

KATALOG CNC WERKZEUGE & AUSRÜSTUNG
CATALOGO UTENSILI & ATTREZZATURA CNC
CNC TOOLS & EQUIPMENT CATALOGUE



INHALT - INDICE - INDEX

SCHAFTFRÄSER VHM - FRESE CILINDRICHE IN METALLO DURO - SOLID CARBIDE END MILLS		
ST-MILL	STAHLBEARBEITUNG BEI HOHEN SCHNITTGESCHWINDIGKEITEN ACCIAIO - TAGLIO ALTA VELOCITÀ STEEL - HIGH SPEED CUTTING	RK-1-1
ALU-MILL	ALUMINIUM ALLUMINIO ALUMINIUM	RK-1-31
GRAF-MILL	GRAPHIT GRAFITE GRAPHITE	RK-1-39
MINI-MILL	HOCHGESCHWINDIGKEIT - STÄHL + ALUMINIUM + GRAPHIT TAGLIO ALTA VELOCITÀ - ACCIAIO + ALLUMINIO + GRAFITE HIGH SPEED CUTTING - STEEL + ALUMINIUM + GRAPHITE	RK-1-42
HEAD-MILL	WECHSELKOPF MODULARE TESTINA	RK-1-54
MD-MILL SAV-MILL	HARTMETALL METALLO DURO INTEGRALE SOLID CARBIDE	RK-1-62
SCHAFTFRÄSER HSSE - FRESE CILINDRICHE IN HSSE - END MILLS IN HSSE		
PM-MILL	PULVERSCHELLARBEITSTAHL ACCIAIO SUPER RAPIDO SINTERIZZATO HIGH SPEED STEEL POWDERED	RK-2-1
CO-MILL	HSSE-CO	RK-2-6
BOHRER VHM - PUNTE IN METALLO DURO - SOLID CARBIDE TWIST DRILLS		
MD-DRILL	HARTMETALL-SPIRALBOHRER PUNTA METALLO DURO CARBIDE TWIST DRILL	RK-3-2
MDMINIDRILL	HARTMETALL-MINISPIRALBOHRER MINI PUNTA METALLO DURO CARBIDE MINI TWIST DRILL	RK-3-19
GEWINDEFÄSER - FRESE A FILETTARE - THREAD MILLING CUTTERS		
THREAD-MILL	VOLLHARTMETALL-GEWINDEFÄSER FRESE A FILETTARE IN METALLO DURO SOLID CARBIDE THREAD MILLING CUTTER	RK-4-2

	MATERIALIEN	MATERIALI	MATERIALS	
	Stähle	Acciai	Steels	
P1	101 Baustähle, Kaltfließpressstähle	Acciai da costruzione, Acciai estrusi a freddo	Construction steels, Cold-extrusion steels	≤ 500 N/mm ²
	102 Baustähle, Einsatzstähle, Stahlguss	Acciai da costruzione, Acciai da cementazione, Acciai fusi	Construction steels, Cementation steels, Cast steels	500 ÷ 800 N/mm ²
	103 Einsatzstähle, Vergütungsstähle, Kaltarbeitsstähle	Acciai da cementazione, Acciai da bonifica, Acciai per lavorazione a freddo	Cementation steels, Heat-treatable steels, Cold works steels	800 ÷ 1.000 N/mm ²
	104 Vergütungsstähle, Kaltarbeitsstähle, Nitrierstähle	Acciai da bonifica, Acciai per lavorazione a freddo, Acciai da nitrurazione	Heat-treatable steels, Cold works steels, Nitriding steels	1.000 ÷ 1.200 N/mm ²
	105 Warmarbeitsstähle, Kaltarbeitsstähle, Hochlegierte Stähle	Acciai per lavorazione a caldo, Acciai per lavorazione a freddo, Acciai ad alta lega	Hot works steels, Cold works steels, High-alloyed steels	1.200 ÷ 1.400 N/mm ²
	Rost- und säurebeständige Stähle	Acciai inossidabili	Stainless steels	
M3	301 Edeltähle, Ferritisch-martensitisch, Austenitisch	Acciai inossidabili, Ferritico-Martensitico, Austenitico	Ferritic-Martensitic, Austenitic stainless steels	≤ 600 N/mm ²
	302 Edeltähle, Ferritisch-martensitisch, Austenitisch	Acciai inossidabili, Ferritico-Martensitico, Austenitico	Ferritic-Martensitic, Austenitic stainless steels	600 ÷ 800 N/mm ²
	303 Edeltähle, Ferritisch-martensitisch, Austenitisch (Cr-Ni)	Acciai inossidabili, Ferritico-Martensitico, Austenitico (Cr-Ni)	Ferritic-Martensitic, Austenitic stainless steels, Nickel alloys (Cr-Ni)	800 ÷ 1.000 N/mm ²
	304 Edeltähle, Ferritisch-martensitisch, Austenitisch (Cr-Ni)	Acciai inossidabili, Ferritico-Martensitico, Austenitico (Cr-Ni)	Ferritic-Martensitic, Austenitic stainless steels, Nickel alloys (Cr-Ni)	1.000 ÷ 1.200 N/mm ²
	305 Nickel-Legierungen (Cr-Ni)	Leghe di nichel (Cr-Ni)	Nickel alloys (Cr-Ni)	1.200 ÷ 1.400 N/mm ²
	306 Nickel-Legierungen (Cr-Ni)	Leghe di nichel (Cr-Ni)	Nickel alloys (Cr-Ni)	1.400 ÷ 1.600 N/mm ²
	Gusseisen	Ghisa	Cast iron	
K5	501 Gusseisen mit Lamellengrafit	Ghisa grigia	Cast iron with lamellar graphite	< 150 HB
	502 Gusseisen mit Lamellengrafit	Ghisa grigia	Cast iron with lamellar graphite	150 ÷ 220 HB
	503 Gusseisen mit Lamellengrafit	Ghisa grigia	Cast iron with lamellar graphite	220 ÷ 320 HB
	504 Gusseisen mit Kugelgrafit	Ghisa a grafite nodulare	Cast iron with nodular graphite	< 150 HB
	505 Gusseisen mit Kugelgrafit	Ghisa a grafite nodulare	Cast iron with nodular graphite	150 ÷ 220 HB
	506 Gusseisen mit Kugelgrafit	Ghisa a grafite nodulare	Cast iron with nodular graphite	220 ÷ 320 HB
	507 Hartguss	Ghisa in conchiglia	Hard cast iron	330 ÷ 400 HB
	Nichteisenwerkstoffe	Materiali non ferrosi	Non ferrous materials	
	Alu- und Mg-Legierungen	Leghe di Alu e Mg	Alu and Mg alloys	
N7	701 Aluminium und Magnesium	Alluminio e Magnesio	Aluminium and Magnesium	100 ÷ 350 N/mm ²
	702 Aluminium-Legierungen < 0,5 Si	Leghe di alluminio < 0,5 Si	Aluminium alloys < 0,5 Si	300 ÷ 600 N/mm ²
	703 Aluminium-Legierungen 0,5% ÷ 10% Si	Leghe di alluminio 0,5% ÷ 10% Si	Aluminium alloys 0,5% ÷ 10% Si	300 ÷ 600 N/mm ²
	704 Aluminium-Legierungen > 10% Si	Leghe di alluminio > 10% Si	Aluminium alloys > 10% Si	300 ÷ 600 N/mm ²
	705 Magnesium-Legierungen	Leghe di magnesio	Magnesium alloys	150 ÷ 300 N/mm ²
	706 Magnesium-Legierungen	Leghe di magnesio	Magnesium alloys	300 ÷ 500 N/mm ²
	707 Magnesium-Legierungen	Leghe di magnesio	Magnesium alloys	500 ÷ 700 N/mm ²
	708 Hitzebeständig Magnesium-Legierungen	Leghe di magnesio resistenti al calore	Heat resistant magnesium alloys	150 ÷ 300 N/mm ²
	Kupfer-Legierungen	Leghe di rame	Copper alloys	
N6	601 Kupfer	Rame	Copper	< 300 N/mm ²
	602 Bronze, Messing	Bronzo, Ottone	Bronze, Brass	< 600 N/mm ²
	603 Kupfer-Legierungen - (Ni-Al)	Leghe di rame - (Ni-Al)	Copper alloys - (Ni-Al)	< 500 N/mm ²
	604 Kupfer-Legierungen - (Ni-Al)	Leghe di rame - (Ni-Al)	Copper alloys - (Ni-Al)	> 500 N/mm ²
	605 Sonder-Legierungen	Leghe speciali	Special alloys	< 120 HB
	606 Sonder-Legierungen	Leghe speciali	Special alloys	120 ÷ 180 HB
	607 Sonder-Legierungen	Leghe speciali	Special alloys	180 ÷ 250 HB
	608 Sonder-Legierungen	Leghe speciali	Special alloys	250 ÷ 320 HB
	609 Sonder-Legierungen	Leghe speciali	Special alloys	320 ÷ 400 HB
	610 Sonder-Legierungen	Leghe speciali	Special alloys	400 ÷ 480 HB
	Kunststoffe	Materiali sintetici	Synthetic materials	
N8	801 Thermoplaste	Resine termoplastiche	Thermoplastics	50 N/mm ²
	802 Duroplaste	Materie plastiche termoindurente	Duroplastics	80 ÷ 100 N/mm ²
	803 Faserverstärkte Kunststoffe	Resine epossidiche	Fibre-reinforced synthetics - GFK,CFK,AFK	800 ÷ 1000 N/mm ²
	804 Faserverstärkte Kunststoffe	Resine epossidiche	Fibre-reinforced synthetics - GFK,CFK,AFK	1000 ÷ 1500 N/mm ²
	Graphit	Grafite	Graphite	
N9	901 Graphit	Grafite	Graphite	< 400 HB
	902 Graphit	Grafite	Graphite	> 400 HB
	Besondere Werkstoffe	Materiali speciali	Special materials	
	Titan-Legierungen	Leghe di titanio	Titanium alloys	
S2	201 Titan-Legierungen	Leghe di titanio	Titanium alloys	< 900 N/mm ²
	202 Titan-Legierungen	Leghe di titanio	Titanium alloys	900 ÷ 1300 N/mm ²
	203 Reintitan	Titanio puro	Pure titanium	
	Ni-Co-Legierungen	Leghe di Ni, Co	Ni, Co alloys	
S4	401 Nickel/Kobalt-Basis-Legierungen	Leghe di nichel/cobalto	Nickel and cobalt base alloys	< 900 N/mm ²
	402 Nickel/Kobalt-Basis-Legierungen	Leghe di nichel/cobalto	Nickel and cobalt base alloys	900 ÷ 1250 N/mm ²
	403 Nickel/Kobalt-Basis-Legierungen	Leghe di nichel/cobalto	Nickel and cobalt base alloys	> 1250 N/mm ²
	Harte Werkstoffe	Materiali duri	Hard materials	
H1	206 Gehärtete Stähle	Acciai temprati	Hardened steels - Hard casting	45 ÷ 50 HRC
	207 Gehärtete Stähle	Acciai temprati	Hardened steels - Hard casting	50 ÷ 55 HRC
	208 Gehärtete Stähle	Acciai temprati	Hardened steels - Hard casting	55 ÷ 60 HRC
	209 Gehärtete Stähle	Acciai temprati	Hardened steels - Hard casting	60 ÷ 65 HRC
	210 Gehärtete Stähle	Acciai temprati	Hardened steels - Hard casting	65 ÷ 70 HRC




























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ARTIKEL-NR. CODICE ITEM	RK- Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK- Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK- Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK- Familie Famiglia Family
AADB.IA	2-3 PM-MILL	AIOA.FO	1-80 MD-MILL	BIOO.BF	1-40 GRAF-MILL	CDB.HA	2-13 CO-MILL
AAOB.IA	2-3 PM-MILL	AIOB.FG	1-80 MD-MILL	BMOA.FA	4-5 THREAD-MILL	CDB.HO	2-13 CO-MILL
ABDB.HA	2-17 CO-MILL	AIOB.FO	1-80 MD-MILL	BMOO.FA	4-5 THREAD-MILL	CDBI.FB	1-60 HEAD-MILL
ABDB.HO	2-17 CO-MILL	AOO.FG	1-69 MD-MILL	BOA.FG	1-71 MD-MILL	CDBI.FG	1-60 HEAD-MILL
ABDC.HA	2-16 CO-MILL	AOO.FO	1-69 MD-MILL	BOA.FO	1-71 MD-MILL	CDC.HA	2-14 CO-MILL
ABDF.HA	2-20 CO-MILL	BAOD.FO	3-12 MD-DRILL	BOA.HA	2-9 CO-MILL	CDC.HO	2-14 CO-MILL
ABDF.HO	2-20 CO-MILL	BAOF.FO	3-12 MD-DRILL	BOA.HO	2-9 CO-MILL	CDDF.FG	1-84 MD-MILL
ABDG.HA	2-21 CO-MILL	BBDN.CG	1-72 SAV-MILL	BOD.FG	1-71 MD-MILL	CDDI.FG	1-84 MD-MILL
ABDG.HO	2-21 CO-MILL	BBOA.BF	1-41 GRAF-MILL	BOD.FO	1-71 MD-MILL	CDOA.DB	1-51 MINI-MILL
ABDH.HA	2-19 CO-MILL	BBOA.DF	1-48 MINI-MILL	BOD.HA	2-10 CO-MILL	CDOA.EB	1-16 ST-MILL
ABOB.FB	1-77 MD-MILL	BBOB.BF	1-41 GRAF-MILL	BOD.HO	2-10 CO-MILL	CDOA.EG	1-16 ST-MILL
ABOB.FO	1-77 MD-MILL	BBOC.BF	1-41 GRAF-MILL	BOF.HA	2-19 CO-MILL	CDOB.DB	1-17 ST-MILL
ABOB.HA	2-17 CO-MILL	BBOD.ED	3-15 MD-MINIDRILL	BOF.HO	2-19 CO-MILL	CDOB.DE	1-17 ST-MILL
ABOB.HO	2-17 CO-MILL	BBOD.FD	3-4 MD-DRILL	BOO.FB	1-70 MD-MILL	CDOB.EB	1-18 ST-MILL
ABOC.FE	1-78 MD-MILL	BBOF.FD	3-5 MD-DRILL	BOO.FO	1-70 MD-MILL	CDOB.EG	1-18 ST-MILL
ABOC.FG	1-78 MD-MILL	BBOG.ED	3-15 MD-MINIDRILL	BOO.HA	2-8 CO-MILL	CDOD.DB	1-52 MINI-MILL
ABOC.FO	1-78 MD-MILL	BBON.CG	1-72 SAV-MILL	BOO.HO	2-8 CO-MILL	CDOD.EB	1-18 ST-MILL
ABOC.HO	2-16 CO-MILL	BBOO.BF	1-41 GRAF-MILL	BOO.IA	2-2 PM-MILL	CDOD.EG	1-18 ST-MILL
ABOD.FG	1-79 MD-MILL	BBOO.DF	1-47 MINI-MILL	BTOD.FD	3-11 MD-DRILL	CDOD.DB	1-15 ST-MILL
ABOD.FO	1-79 MD-MILL	BCAB.FD	3-14 MD-DRILL	BTOF.FD	3-11 MD-DRILL	CDOD.DB	1-50 MINI-MILL
ABOF.HA	2-20 CO-MILL	BCAB.FO	3-14 MD-DRILL	CAO.HO	2-11 CO-MILL	CDOD.DE	1-15 ST-MILL
ABOF.HO	2-20 CO-MILL	BCOI.FD	3-14 MD-DRILL	CAOB.DB	1-26 ST-MILL	CDOD.EB	1-16 ST-MILL
ABOG.HA	2-21 CO-MILL	BCOI.FO	3-14 MD-DRILL	CAOB.DE	1-26 ST-MILL	CDOD.EG	1-16 ST-MILL
ABOG.HO	2-21 CO-MILL	BDA.HA	2-9 CO-MILL	CAOC.DB	1-27 ST-MILL	CEBB.FB	1-57 HEAD-MILL
ABOH.FG	1-85 MD-MILL	BDA.HO	2-9 CO-MILL	CAOC.DE	1-27 ST-MILL	CEBB.FG	1-57 HEAD-MILL
ABOO.FO	1-68 MD-MILL	BDD.HA	2-10 CO-MILL	CAOE.DB	1-27 ST-MILL	CEDA.FB	1-25 ST-MILL
ACOO.FO	1-68 MD-MILL	BDD.HO	2-10 CO-MILL	CAOF.FO	1-84 MD-MILL	CEDA.FG	1-25 ST-MILL
ADDB.HA	2-18 CO-MILL	BDDN.CG	1-81 SAV-MILL	CBBC.FB	1-57 HEAD-MILL	CEOA.FB	1-25 ST-MILL
ADDB.IA	2-2 PM-MILL	BDF.HA	2-19 CO-MILL	CBBC.FG	1-57 HEAD-MILL	CEOA.FG	1-25 ST-MILL
ADDC.HA	2-18 CO-MILL	BDF.HO	2-19 CO-MILL	CBBF.FG	1-58 HEAD-MILL	CEOB.EB	1-8 ST-MILL
ADOB.FG	1-84 MD-MILL	BDO.HA	2-8 CO-MILL	CBOA.DB	1-48 MINI-MILL	CEOB.EG	1-8 ST-MILL
ADOB.IA	2-2 PM-MILL	BDO.HO	2-8 CO-MILL	CBOA.FB	1-15 ST-MILL	CEOC.FB	1-26 ST-MILL
ADOD.FE	1-78 MD-MILL	BDO.IA	2-2 PM-MILL	CBOA.FG	1-15 ST-MILL	CEOC.FG	1-26 ST-MILL
AEDF.HA	2-21 CO-MILL	BDOA.DF	1-51 MINI-MILL	CBOB.EB	1-23 ST-MILL	CEOD.EB	1-8 ST-MILL
AEDF.IA	2-3 PM-MILL	BDON.CG	1-81 SAV-MILL	CBOC.FB	1-24 ST-MILL	CEOD.EG	1-8 ST-MILL
AEOF.HA	2-21 CO-MILL	BDOO.DF	1-50 MINI-MILL	CBOC.FE	1-24 ST-MILL	CFOB.EB	1-9 ST-MILL
AEOF.IA	2-3 PM-MILL	BFOF.FF	3-13 MD-DRILL	CBOC.FG	1-24 ST-MILL	CFOD.EB	1-9 ST-MILL
AFDB.GA	2-4 PM-MILL	BHOD.ED	3-13 MD-DRILL	CBOD.DB	1-49 MINI-MILL	CHOO.DC	1-53 MINI-MILL
AFDB.GA..RI	2-4 PM-MILL	BIOA.BF	1-40 GRAF-MILL	CBOF.FG	1-29 ST-MILL	CIAO.FE	1-73 MD-MILL
AFDB.GO	2-4 PM-MILL	BIOB.BF	1-40 GRAF-MILL	CBOO.DB	1-47 MINI-MILL	CIBB.FB	1-56 HEAD-MILL
AFDC.GA	2-5 PM-MILL	BIOB.DF	1-44 MINI-MILL	CBOO.EB	1-19 ST-MILL	CIBB.FG	1-56 HEAD-MILL
AFDC.GA..RI	2-5 PM-MILL	BIOC.BF	1-40 GRAF-MILL	CBOO.EG	1-19 ST-MILL	CIOA.DB	1-10 ST-MILL
AFDC.GO	2-5 PM-MILL	BIOC.DF	1-46 MINI-MILL	CBOR.FE	1-23 ST-MILL	CIOA.DB..TE	1-11 ST-MILL
AIOA.FB	1-80 MD-MILL	BIOD.DF	1-45 MINI-MILL	CDA.HO	2-11 CO-MILL	CIOA.DE	1-10 ST-MILL

ARTIKEL-NR. CODICE ITEM	RK-	Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK-	Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK-	Familie Famiglia Family	ARTIKEL-NR. CODICE ITEM	RK-	Familie Famiglia Family
CIOA.EB	1-12	ST-MILL	DCOC.FO	1-36	ALU-MILL	EGOD.FB	1-22	ST-MILL	MOB.FO	4-3	THREAD-MILL
CIOA.EG	1-12	ST-MILL	DCOF.FH	1-38	ALU-MILL	EGOD.FG	1-22	ST-MILL	MOO.FA	4-3	THREAD-MILL
CIOA.FG	1-72	MD-MILL	DCOF.FO	1-38	ALU-MILL	EGOF.FB	1-21	ST-MILL	MOO.FO	4-3	THREAD-MILL
CIOA.FO	1-72	MD-MILL	DDB.HA	2-15	CO-MILL	FBDH.FG	1-30	ST-MILL	NBDN.CG	1-70	SAV-MILL
CIOB.DB	1-11	ST-MILL	DDB.HO	2-15	CO-MILL	FBOH.FG	1-30	ST-MILL	NBON.CG	1-70	SAV-MILL
CIOB.DB	1-44	MINI-MILL	DDC.HA	2-16	CO-MILL	FCDC.FG	1-20	ST-MILL	NCDN.CG	1-75	SAV-MILL
CIOB.DB..TE	1-11	ST-MILL	DDC.HO	2-16	CO-MILL	FCOB.FB	1-19	ST-MILL	NCON.CG	1-75	SAV-MILL
CIOB.DE	1-11	ST-MILL	DDOA.DO	1-51	MINI-MILL	FCOB.FG	1-19	ST-MILL	NDDN.CG	1-77	SAV-MILL
CIOB.EB	1-12	ST-MILL	DDOA.FO	1-33	ALU-MILL	FCOC.FB	1-20	ST-MILL	NDON.CG	1-77	SAV-MILL
CIOB.EG	1-12	ST-MILL	DDOI.FG	1-85	MD-MILL	FCOC.FG	1-20	ST-MILL	PROA.AO	1-60	HEAD-MILL
CIOC.DB	1-46	MINI-MILL	DDOO.DO	1-50	MINI-MILL	FCOD.FB	1-20	ST-MILL	PROA.SO	1-61	HEAD-MILL
CIOC.EB	1-13	ST-MILL	DDOO.FO	1-32	ALU-MILL	FCOD.FG	1-20	ST-MILL	PROB.SO	1-61	HEAD-MILL
CIOC.FE	1-74	MD-MILL	DEDA.FO	1-37	ALU-MILL	FOA.FA	4-4	THREAD-MILL	PROO.AO	1-60	HEAD-MILL
CIOD.DB	1-45	MINI-MILL	DEDC.FO	1-37	ALU-MILL	FOA.FO	4-4	THREAD-MILL	RBAB.FD	3-8	MD-DRILL
CIOH.EB	1-14	ST-MILL	DEOA.FO	1-37	ALU-MILL	FOB.FA	4-4	THREAD-MILL	RBAE.ED	3-16	MD-MINIDRILL
CIOH.EG	1-14	ST-MILL	DEOC.FO	1-37	ALU-MILL	FOB.FO	4-4	THREAD-MILL	RBBE.FD	3-9	MD-DRILL
CIOI.EB	1-14	ST-MILL	DIOB.DO	1-44	MINI-MILL	FOO.FA	4-4	THREAD-MILL	RBBO.FD	3-9	MD-DRILL
CIOI.EG	1-14	ST-MILL	DIOB.FO	1-32	ALU-MILL	FOO.FO	4-4	THREAD-MILL	RBCO.FD	3-10	MD-DRILL
CIOO.FB	1-10	ST-MILL	DIOC.DO	1-46	MINI-MILL	IAO.HO	2-11	CO-MILL	RBDO.FD	3-10	MD-DRILL
CIOO.FG	1-10	ST-MILL	DIOD.DO	1-45	MINI-MILL	IDA.HA	2-11	CO-MILL	RBOD.FD	3-6	MD-DRILL
COB.FG	1-75	MD-MILL	DOB.FB	1-76	MD-MILL	IDB.HA	2-12	CO-MILL	RBOF.FD	3-7	MD-DRILL
COB.FO	1-75	MD-MILL	DOB.FO	1-76	MD-MILL	IDC.HA	2-12	CO-MILL	RBOH.ED	3-16	MD-MINIDRILL
COB.HA	2-13	CO-MILL	DOB.HA	2-15	CO-MILL	IOA.FB	1-72	MD-MILL	RBOH.FD	3-8	MD-DRILL
COB.HO	2-13	CO-MILL	DOB.HO	2-15	CO-MILL	IOA.FO	1-72	MD-MILL	RCDN.CG	1-84	SAV-MILL
COC.FB	1-76	MD-MILL	DOC.FG	1-76	MD-MILL	IOB.FG	1-73	MD-MILL	RCOA.FG	1-85	MD-MILL
COC.FO	1-76	MD-MILL	DOC.FO	1-76	MD-MILL	IOB.FO	1-73	MD-MILL	RCON.CG	1-84	SAV-MILL
COC.HA	2-14	CO-MILL	DOC.HA	2-16	CO-MILL	IOB.HO	2-12	CO-MILL	RDDN.CG	1-84	SAV-MILL
COC.HO	2-14	CO-MILL	DOC.HO	2-16	CO-MILL	IOC.FG	1-74	MD-MILL	RDON.CG	1-84	SAV-MILL
CVBB.FB	1-56	HEAD-MILL	DOD.FG	1-77	MD-MILL	IOC.FO	1-74	MD-MILL	RMOA.FA	4-5	THREAD-MILL
CVBB.FG	1-56	HEAD-MILL	DOD.FO	1-77	MD-MILL	IOC.HO	2-12	CO-MILL	RMOB.FA	4-5	THREAD-MILL
CVOB.EB	1-13	ST-MILL	EABE.FB	1-58	HEAD-MILL	KFDL.CG	1-82	SAV-MILL	VDDL.FB	1-80	SAV-MILL
CVOB.EG	1-13	ST-MILL	EABE.FG	1-58	HEAD-MILL	KFDN.CG	1-82	SAV-MILL	VDDL.FG	1-80	SAV-MILL
DAOO.FO	1-33	ALU-MILL	EAOB.FB	1-28	ST-MILL	KFOL.CG	1-82	SAV-MILL	VDDN.FB	1-79	SAV-MILL
DBOA.DO	1-48	MINI-MILL	EAOB.FE	1-28	ST-MILL	KFON.CG	1-82	SAV-MILL	VDDN.FG	1-79	SAV-MILL
DBOA.FH	1-34	ALU-MILL	EAOB.FG	1-28	ST-MILL	KFON.EB	1-83	SAV-MILL	VDOL.FB	1-80	SAV-MILL
DBOO.DO	1-47	MINI-MILL	EAOD.FB	1-28	ST-MILL	KHDL.CG	1-82	SAV-MILL	VDOL.FG	1-80	SAV-MILL
DBOO.FH	1-34	ALU-MILL	EAOD.FG	1-28	ST-MILL	KHDN.CG	1-82	SAV-MILL	VDON.FB	1-79	SAV-MILL
DCBA.FH	1-59	HEAD-MILL	EAOE.FB	1-29	ST-MILL	KHOL.CG	1-82	SAV-MILL	VDON.FG	1-79	SAV-MILL
DCBA.FO	1-59	HEAD-MILL	EAOE.FG	1-29	ST-MILL	KHON.CG	1-82	SAV-MILL	WCDN.CG	1-76	SAV-MILL
DCBB.FO	1-59	HEAD-MILL	EDOH.FE	1-30	ST-MILL	LLOO.AE	1-61	HEAD-MILL	WCON.CG	1-76	SAV-MILL
DCOA.FH	1-9	ST-MILL	EGDC.FG	1-21	ST-MILL	MFON.EB	1-83	SAV-MILL			
DCOA.FO	1-9	ST-MILL	EGOB.FG	1-21	ST-MILL	MOA.FA	4-3	THREAD-MILL			
DCOB.FH	1-35	ALU-MILL	EGOC.FB	1-21	ST-MILL	MOA.FO	4-3	THREAD-MILL			
DCOB.FO	1-35	ALU-MILL	EGOC.FG	1-21	ST-MILL	MOB.FA	4-3	THREAD-MILL			

MC	Konventionelle Bearbeitung Lavorazione Convenzionale Conventional speed cutting
HPC	Hochleistungsbearbeitung Lavorazione ad alto rendimento High performance cutting
HSC	Bearbeitung bei hoher Geschwindigkeit Lavorazione ad Alta Velocità High speed cutting
HFC	Bearbeitung bei Schnellem Vorlauf Lavorazione ad Alto avanzamento High feed cutting
MD MG 6	Mikrokorn Hartmetall 6% Co Metallo duro micrograna 6% Co Micrograin solid carbide 6% Co
MD MG 10	Mikrokorn Hartmetall 10% Co Metallo duro micrograna 10% Co Micrograin solid carbide 10% Co
MD SM	Sub Mikrokorn Hartmetall 12% Co Metallo duro sub micrograna 12% Co Sub micrograin solid carbide 12% Co
MD ESM	Extra Sub Mikrokorn Hartmetall 12% Co Metallo duro extra sub micrograna 12% Co Extra submicrograin solid carbide 12% Co
MD ESM6	Extra Sub Mikrokorn Hartmetall 6% Co Metallo duro extra sub micrograna 6% Co Extras submicrograin solid carbide 6% Co
HSSE PM	Pulverschnellarbeitstähle 8,5% Co Acciaio rapido sinterizzato 8,5% Co Powdered high speed steel 8,5% Co
HSSE Co 8	Schnellarbeitstähle 8% Co Acciaio super rapido 8% Co High speed steel 8% Co
N TYP	Drallwinkel 20°-30° Elica 20°-30° Helix 20°-30°
W TYP	Drallwinkel 35°-45° Z<3 Elica 35°-45° Z<3 Helix 35°-45° Z<3
WK TYP	Drallwinkel 40° Z=3 Elica 40° Z=3 Helix 40° Z=3
R TYP	Drallwinkel 0°-15° Elica 0°-15° Helix 0°-15°
NK TYP	Drallwinkel 35°-45° Z>3 Elica 35°-45° Z>3 Helix 35°-45° Z>3
NKE TYP	Drallwinkel 20° Z=2 Elica 20° Z=2 Helix 20° Z=2
NKM TYP	Drallwinkel 55° Mehrschneiden Elica 55° multitaglienti Helix 55° multi flute
NR TYP	Drallwinkel 20°-30° Schrupp Elica 20°-30° Sgrossatura Helix 20°-30° Roughing
NRF TYP	Drallwinkel 20°-30° Schrupp Feinprofil Elica 20°-30° Sgrossatura passo fine Helix 20°-30° Roughing fine profile
NRFF TYP	Drallwinkel 20°-30° Schrupp Extrafeinprofil Elica 20°-30° Sgrossatura passo extra fine Helix 20°-30° Roughing extra fine profile
HRF TYP	Drallwinkel 35°-45° Schrupp Feinprofil Elica 35°-45° Sgrossatura profilo fine Helix 35°-45° Roughing fine profile
NF TYP	Drallwinkel 20°-30° Semi Schrupp Elica 20°-30° Semi sgrossatura Helix 20°-30° Semi roughing
RK TYP	RK Typ Tipo RK RK type

	Kopierfräsen Fresatura a copiare Copy milling
	Schlitten-Kontur, Torusfräser Fresatura laterale, torica Side milling, corner radius
	Kopierfräsen, Torusfräser Fresatura a copiare, torica Copy milling, corner radius
	Kopierfräsen, sphärisch Fresatura a copiare, elicoidale Copy milling, spherical
	Nutenfräsen, stark Fresatura per cava da pieno Slotting, strong
	Nutenfräsen, Veredelung Fresatura per cava a finire Slotting, finishing
	Nutenfräsen, konisch Fresatura per cava conica Slotting, conical
	Schlitten-Kontur, sehr stark Fresatura laterale da pieno Side milling, very strong
	Schlitten-Kontur, stark Fresatura laterale da pieno Side milling, strong
	Schlitten-Kontur, Veredelung Fresatura laterale a finire Side milling, finishing
	Gravierung Incisione Engraving
	Rundung A raggio Rounding
	Anfasen Smussatura Chamfering
	Doppelt Anfasen Doppia smussatura Double chamfering
	Schruppen-Nut, extra fein Fresatura per cava, a sgrossare extra fine Slotting, roughing extra fine
	Schruppen-Nut, fein Fresatura per cava a sgrossare fine Slotting, roughing fine
	Schruppen-Nut, grob Fresatura per cava a sgrossare Slotting, roughing gross
	Schruppen-Kontur, extra fein Fresatura laterale, sgrossatura extra fine Side milling, roughing extra fine
	Schruppen-Kontur, fein Fresatura laterale, sgrossatura fine Side milling, roughing fine
	Schruppen-Kontur, extra grob Fresatura laterale, sgrossatura Side milling, roughing extra gross
	Schruppen-Kontur, extra fein Fresatura laterale, sgrossatura extra fine Side milling, roughing extra fine
	Schruppen-Kontur, sehr grob Fresatura laterale, sgrossatura Side milling, roughing strong gross
	Nutenfräsen, Hochvorschub Fresatura per cava, alto avanzamento Slotting, high feed
	Schlitten-Kontur, Hochvorschub Fresatura laterale, alto avanzamento Side milling, high feed
	Tauchfräsen Penetrazione assiale Plungee milling

Beschichtung - Rivestimento - Coating

NO	Unbeschichtete Non rivestito Uncoated
TiSiN	TiSiN
TiAlN-2	TiAlN
AlTiN-1	AlTiN
AlTiN-3	AlTiN (2 µm)
MAX	DLC = Diamond light carbon
DIAMOND	Diamond
TiAlN-1	TiAlN
AlCrN	AlCrN

	Veredelung Finitura Finishing
	Schruppen extra fein Sgrossatura extra fine Roughing extra fine
	Schruppen fein Sgrossatura fine Roughing fine
	Schruppen grob Sgrossatura Roughing gross
	Semi Schruppen Semi finitura Semi-roughing

	Zylinderschaft nach DIN 6535-HA, HM Gambo cilindrico DIN 6335-HA. metallo duro Cylindrical shank DIN 6535-HA, solid carbide
	Weldonschaft nach DIN 6535-HB, HM Gambo weldon DIN 6335-HB. metallo duro Weldon shank DIN 6535-HB, solid carbide
	Zylinderschaft DIN 1835-A, HSSE Gambo cilindrico DIN 1835-A. HSSE Cylindrical shank DIN 1835-A, HSSE
	Weldonschaft DIN 1835-B, HSSE Gambo weldon DIN 1835-B. HSSE Weldon shank DIN 1835-B, HSSE
	Zylinderschaft mit Innenkühlung Gambo cilindrico con refrigerazione interna Cylindrical shank with internal cooling




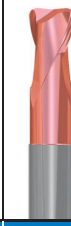

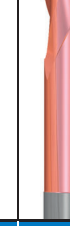




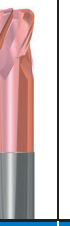











ST-MILL



INHALT INDICE INDEX														
ITEM	CEOB.EG	CEOB.EB	CEOD.EG	CEOD.EB	CFOB.EB	CFOD.EB	DCOA.FO	DCOA.FH	CIOO.FG	CIOO.FB	CIOA.DE	CIOA.DB	CIOA.DB.TE	
Z	2 - 4				2 - 4		3		2		2			
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10				MD SM		MD MG 10		MD MG 10		MD ESM			
BESCHICHTUNG RIVESTIMENTO COATING	AiCrN	TiSiN	AiCrN	TiSiN	TiSiN		NO	MAX	AiCrN	TiSiN	AlTiN-1	TiSiN		
NORM NORMA STANDARD	RK NORM				RK NORM		RK NORM		RK NORM		RK NORM			
SERIEN SERIE SERIE	SERIE N		SERIE L		SERIE N	SERIE L	SERIE N		SERIE L		SERIE N			
TYP TIPO TYPE	RK TYP				RK TYP		RK TYP		N TYP		N TYP			
FRONTANSICHT VISTA FRONTALE FRONT VIEW														
GEOMETRIE GEOMETRIA GEOMETRY														R ±0.003
TECNOLOGIE TECNOLOGIA TECNOLOGY	HFC				HFC		HFC		HSC		HSC			
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	20° HELIX				12° HELIX		20° HELIX		30° HELIX		30° HELIX			
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING														
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING														
Ø	2 ÷ 16				2 ÷ 16		12 ÷ 20		2 ÷ 20		4 ÷ 20		4 ÷ 12	
□	1-8				1-9		1-9		1-10		1-10		1-11	
P1	Stahl / Acciaio / Steel	P1		P1					P1					
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3		M3					M3				
K5	Gusseisen / Ghisa / Cast iron	K5		K5					K5					
N7	Legierungen / Alloys / Leghe: Al + Mg						N7	N7						
N6	Legierungen / Alloys / Leghe: Cu	N6		N6					N6					
N8	Sintetische Materialien / Materiali sintetici / Synthetic materials								N8					
N9	Graphit / Grafite / Graphite													
S2	Legierungen / Alloys / Leghe: Ti		S2		S2					S2				
S4	Legierungen / Alloys / Leghe: Ni		S4		S4					S4				
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC	H1		H1		H1	H2		H1		H1	H1	H1	
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC					H1	H2				H2	H2	H2	

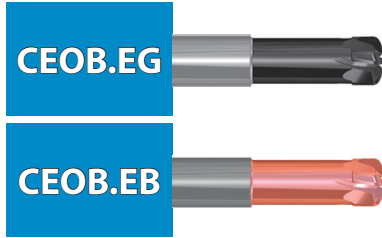
CIOB.DE	CIOB.DB	CIOB.DB.TE	CIOA.EG	CIOA.EB	CIOB.EG	CIOB.EB	CIOC.EB	CVOB.EG	CVOB.EB	CIOH.EG	CIOH.EB	CIOI.EG	CIOI.EB	CBOA.FG	CBOA.FB
2		2		2		2		4		2		4		3	
MD ESM		MD SM		MD SM		MD SM		MD SM		MD SM				MD MG 10	
AlTiN-1		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN	
RK NORM		RK NORM		RK NORM		RK NORM		RK NORM		RK NORM				DIN 6527L NORM	
SERIE L		SERIE N		SERIE L		SERIE L		SERIE L		SERIE L				SERIE N	
N TYP		N TYP		N TYP		RK TYP		RK TYP		RK TYP				W TYP	
R ±0.003															
HSC		HSC		HSC		HSC		HPC		HSC				HPC	
30° HELIX		30° HELIX		30° HELIX		15° HELIX		30° HELIX		30° HELIX				45° HELIX	
4 ÷ 20		4 ÷ 12		4 ÷ 20		4 ÷ 20		4 ÷ 12		4 ÷ 20		3 ÷ 16		4 ÷ 16	
1-11		1-12		1-12		1-13		1-13		1-14		1-14		1-15	
		P1		P1				P1		P1		P1		P1	
				M3		M3		M3		M3		M3		M3	
		K5		K5				K5		K5		K5		K5	
		N6		N6				N6		N6		N6		N6	
		N8		N8						N9		N9			
				S2		S2		S2		S2		S2		S2	
				S4		S4		S4		S4		S4		S4	
H1		H1		H1				H1		H1		H1		H1	
H2		H2		H2				H2		H2		H2		H2	

INHALT INDICE INDEX												
ITEM	CDOO.DB	CDOO.DE	CDOO.EG	CDOO.EB	CDOA.EG	CDOA.EB	CDOB.DB	CDOB.DE	CDOB.EG	CDOB.EB	CDOD.EG	CDOD.EB
Z	2		2		2		4		4		4	
ROHATERIAL MATERIALE RAW MATERIAL	MD ESM		MD SM				MD ESM		MD SM			
BESCHICHTUNG RIVESTIMENTO COATING	TiSiN	AlTiN-1	AlCrN	TiSiN	AlCrN	TiSiN	TiSiN	AlTiN-1	AlCrN	TiSiN	AlCrN	TiSiN
NORM NORMA STANDARD	RK NORM						RK NORM					
SERIEN SERIE SERIE	SERIE N			SERIE L			SERIE N			SERIE L		
TYP TIPO TYPE	RK TYP						RK TYP					
FRONTANSICHT VISTA FRONTALE FRONT VIEW												
GEOMETRIE GEOMETRIA GEOMETRY												
TECNOLOGIE TECNOLOGIA TECNOLOGY	HSC						HSC					
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX						30° HELIX					
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING												
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING												
Ø	4 ÷ 12				4 ÷ 12		4 ÷ 20		4 ÷ 20		4 ÷ 12	
□	1-15		1-16		1-16		1-17		1-18		1-18	
P1	Stahl / Acciaio / Steel		P1		P1				P1		P1	
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel			M3		M3				M3		M3
K5	Gusseisen / Ghisa / Cast iron		K5		K5				K5		K5	
N7	Legierungen / Alloys / Leghe: Al + Mg											
N6	Legierungen / Alloys / Leghe: Cu		N6		N6				N6		N6	
N8	Sintetische Materialien / Materiali sintetici / Sintetic materials		N8		N8				N8		N8	
N9	Graphit / Grafite / Graphite						N-9	N-9			N9	
S2	Legierungen / Alloys / Leghe: Ti			S2		S2				S2		S2
S4	Legierungen / Alloys / Leghe: Ni			S4		S4				S4		S4
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC		H1	H1	H1		H1	H1	H1		H1	
H2	Stahl / Acciaio / Steel 50 ÷ 70 HRC		H2	H2			H2	H2	H2			H2

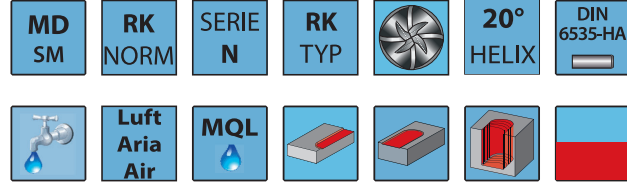
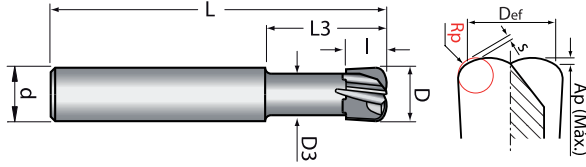
CBOO.EG		CBOO.EB		FCOB.FG		FCOB.FB		FCOC.FG FCDC.FG		FCOC.FB		FCOD.FG		FCOD.FB		EJOB.FG		EJOB.FB		EGOC.FG EGDC.FG		EGOC.FB		EGOD.FG		EGOD.FB		CBOB.EB	
2		3			3			3			4				4				4				4						
MD SM		MD MG 10						MD MG 10				MD MG 10						MD SM											
AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		AlCrN		TiSiN		TiSiN	
RK NORM		DIN 6527K NORM			DIN 6527L NORM			RK NORM			DIN 6527K NORM			DIN 6527L NORM			RK NORM			RK NORM									
SERIE N		SERIE S			SERIE N			SERIE L			SERIE S			SERIE N			SERIE L			SERIE N									
RK TYP		RK TYP						RK TYP				RK TYP						RK TYP											
HSC		HPC						HPC				HPC						HPC											
30° HELIX		42°÷47° HELIX						42°÷47° HELIX				36°÷39° HELIX						55° HELIX											
4 ÷ 20 1-19		4 ÷ 20 1-19			2 ÷ 20 1-20			6 ÷ 20 1-20			4 ÷ 20 1-21			4 ÷ 20 1-21			6 ÷ 20 1-22			4 ÷ 20 1-23									
P1		P1		P1		P1		P1		P1		P1		P1		P1		P1		P1		P1		P1		P1			
				M3		M3		M3		M3		M3		M3		M3		M3		M3		M3		M3		M3			
K5		K5		K5		K5		K5		K5		K5		K5		K5		K5		K5		K5		K5		K5			
N8		N8		N8		N8		N8		N8		N8		N8		N8		N8		N8		N8		N8		N8			
				S2		S2		S2		S2		S2		S2		S2		S2		S2		S2		S2		S2			
				S4		S4		S4		S4		S4		S4		S4		S4		S4		S4		S4		S4			
H1		H1		H1		H1		H1		H1		H1		H1		H1		H1		H1		H1		H1		H1			
H2		H2		H2		H2		H2		H2		H2		H2		H2		H2		H2		H2		H2		H2			

INHALT INDICE INDEX													
ITEM	CB0C.FG	CB0C.FB	CB0C.FE	CB0R.FE	CEOA.FG CEDA.FG	CEOA.FB CEDA.FB	CEOC.FG	CEOC.FB	CAOB.DB	CAOB.DE	CAOC.DB	CAOC.DE	CAOE.DB
Z	4		4		5				4 ÷ 8		6 ÷ 8		6
ROHMATERIAL MATERIALE RAW MATERIAL	MD MG 10		MD MG 10		MD MG 10				MD ESM				
BESCHICHTUNG RIVESTIMENTO COATING	AlCrN	TiSiN	AlTiN-1	AlTiN-1	AlCrN	TiSiN	AlCrN	TiSiN	TiSiN	AlTiN-1	TiSiN	AlTiN-1	TiSiN
NORM NORMA STANDARD	DIN 6527L NORM		DIN 6527L NORM		RK NORM				RK NORM				
SERIEN SERIE SERIE	SERIE N		SERIE N		SERIE N		SERIE L		SERIE N		SERIE L		SERIE N
TYP TIPO TYPE	RK TYP		RK TYP		RK TYP				RK TYP				
FRONTANSICHT VISTA FRONTALE FRONT VIEW													
GEOMETRIE GEOMETRIA GEOMETRY													
TECNOLOGIE TECNOLOGIA TECNOLOGY	TPC HPC		TPC HPC		TPC HPC				HSC				
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	42°÷45° HELIX		42°÷45° HELIX		42°÷45° HELIX				55° HELIX				
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING													
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING													
Ø	3 ÷ 25		6 ÷ 20		8 ÷ 25		12 ÷ 20		3 ÷ 25		6 ÷ 25		6 ÷ 16
□	1-24		1-23		1-25		1-26		1-26		1-27		1-27
P1	P1				P1		P1						
M3		M3	M3	M3		M3		M3					
K5	K5				K5		K5						
N7													
N6													
N8	N8				N8		N8						
N9													
S2		S2	S2	S2		S2		S2					
S4		S4	S4	S4		S4		S4					
H1	H1				H1		H1		H-1	H-1	H-1	H-1	H-1
H2									H-2	H-2	H-2	H-2	H-2

EA0B.FG	EA0B.FB	EA0B.FE	EA0D.FG	EA0D.FB	EA0E.FG	EA0E.FB	CBO.FG	EDOH.FE	FBOH.FG	FBDH.FG
6			6			6		4 ÷ 6	4	4 ÷ 6
MD MG 10							MD MG 10			
AlCrN	TiSiN	AlTiN-1	AlCrN	TiSiN	AlCrN	TiSiN	AlCrN	AlTiN-1	AlCrN	
DIN 6527L NORM			RK NORM			DIN 6527L NORM		DIN 6527L NORM		
SERIE N			SERIE L			SERIE N		SERIE N		
RK TYP							HRF TYP	RK TYP		
HPC							HPC			
44°÷46° HELIX							45° HELIX	35°÷38° HELIX	28°÷31° HELIX	
6 ÷ 25			10 ÷ 25			6 ÷ 20		6 ÷ 20	6 ÷ 20	
1-28			1-28			1-29		1-29	1-30	1-30
P1			P1		P1		P1			
	M3	M3		M3		M3				M3
K5			K5		K5		K5			
N8			N8		N8					
	S2	S2		S2		S2		S2		
	S4	S4		S4		S4		S4	S4	
H1			H1		H1		H1			

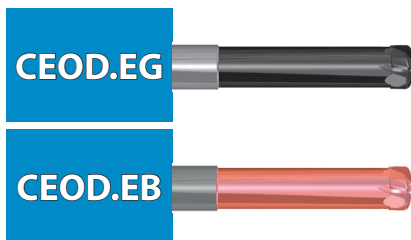


HFC

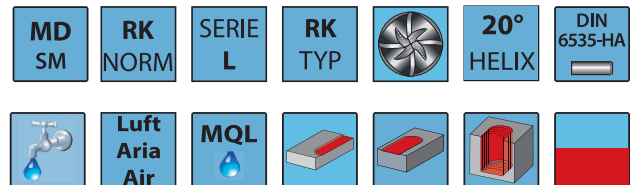
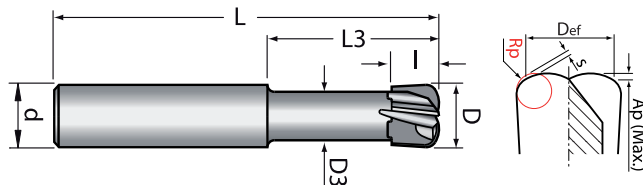


CEOB.EG.	CEOB.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
00200	00200	2	6	1,5	50	2	1,7	10	0,3	0,15	0,05
00200.0022	00200.0022	2	6	1,5	50	2	1,7	22	0,3	0,15	0,05
00300	00300	3	6	1,5	50	2	2,7	10	0,3	0,19	0,06
00300.0022	00300.0022	3	6	1,5	50	2	2,7	22	0,3	0,19	0,06
00400	00400	4	6	2	60	2	3,6	12	0,5	0,25	0,13
00400.0022	00400.0022	4	6	2	60	2	3,6	22	0,5	0,25	0,13
00500	00500	5	6	3	60	4	4,4	13	0,5	0,3	0,14
00500.0024	00500.0024	5	6	3	60	4	4,4	24	0,5	0,3	0,14
00600	00600	6	6	3	60	4	5,2	13	1	0,4	0,17

CEOB.EG.	CEOB.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
00600.0024	00600.0024	6	6	3	60	4	5,2	24	1	0,4	0,17
00800	00800	8	8	4	63	4	7	19	1,5	0,5	0,26
00800.0027	00800.0027	8	8	4	63	4	7	27	1,5	0,5	0,26
01000	01000	10	10	5	72	4	9	22	2	0,7	0,27
01000.0032	01000.0032	10	10	5	72	4	9	32	2	0,7	0,27
01200	01200	12	12	6	83	4	11	26	2	0,8	0,33
01200.0038	01200.0038	12	12	6	83	4	11	38	2	0,8	0,33
01600	01600	16	16	8	92	4	14,5	32	2,5	1	0,51
01600.0044	01600.0044	16	16	8	92	4	14,5	44	2,5	1	0,51



HFC

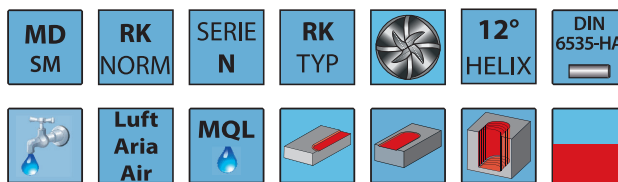
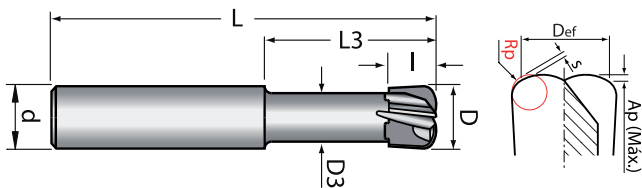


CEOD.EG.	CEOD.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
00200	00200	2	6	1,5	70	2	1,7	15	0,3	0,15	0,05
00300	00300	3	6	1,5	70	2	2,7	15	0,3	0,15	0,06
00400	00400	4	6	2	80	2	3,6	20	0,5	0,25	0,13
00500	00500	5	6	3	100	4	4,4	24	0,5	0,25	0,14
00600	00600	6	6	3	100	4	5,5	24	1	0,4	0,17

CEOD.EG.	CEOD.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
00800	00800	8	8	4	100	4	7,5	38	1,5	0,5	0,26
01000	01000	10	10	5	100	4	9,5	45	2	0,7	0,27
01200	01200	12	12	6	120	4	11	53	2	0,8	0,33
01600	01600	16	16	8	140	4	15	64	2,5	1	0,51



HFC

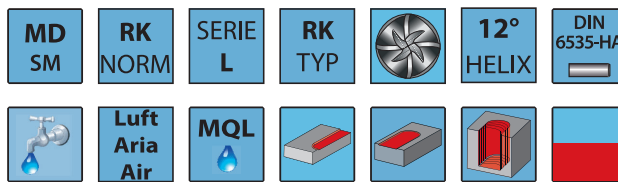
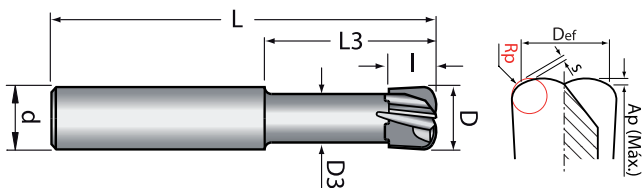


CFOB.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
	h9	h6							Max	
00200	2	6	1,5	50	2	1,7	10	0,3	0,15	0,05
00300	3	6	1,5	50	2	2,7	10	0,3	0,15	0,06
00400	4	6	2	60	2	3,6	12	0,5	0,25	0,13
00500	5	6	3	60	4	4,4	13	0,5	0,25	0,08
00600	6	6	3	60	4	5,5	13	1	0,2	0,12

CFOB.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
	h9	h6							Max	
00800	8	8	4	63	4	7,5	19	1,5	0,25	0,16
01000	10	10	5	72	4	9,5	22	2	0,3	0,23
01200	12	12	6	83	4	11	26	2	0,4	0,27
01600	16	16	8	92	4	15	32	2,5	0,5	0,4

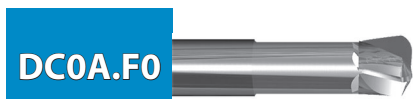


HFC

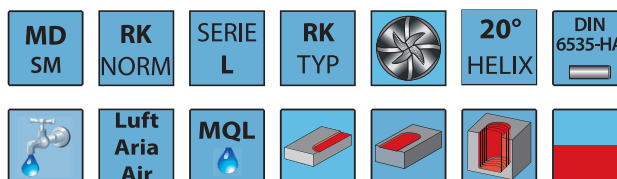
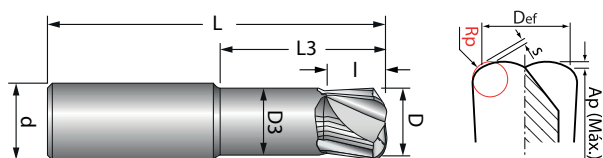


CFOD.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
	h9	h6							Max	
00200	2	6	1,5	70	2	1,7	15	0,3	0,15	0,05
00300	3	6	1,5	70	2	2,7	15	0,3	0,15	0,06
00400	4	6	2	80	2	3,6	20	0,5	0,25	0,13
00500	5	6	3	100	4	4,4	24	0,5	0,25	0,08
00600	6	6	3	100	4	5,5	24	1	0,2	0,12

CFOD.EB.	D	d	l	L	Z	D3	L3	Rp	Ap	s
	h9	h6							Max	
00800	8	8	4	100	4	7,5	38	1,5	0,25	0,16
01000	10	10	5	100	4	9,5	45	2	0,3	0,23
01200	12	12	6	120	4	11	53	2	0,4	0,27
01600	16	16	8	140	4	15	64	2,5	0,5	0,4

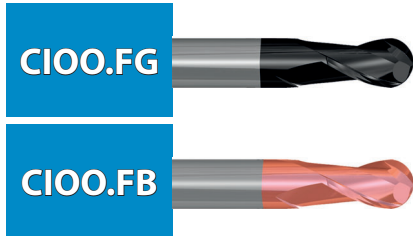


HFC

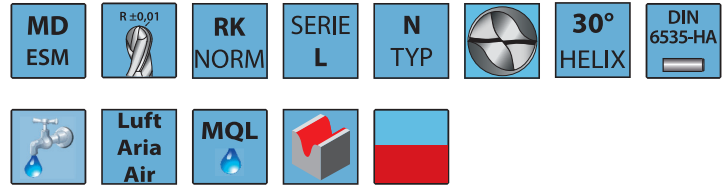
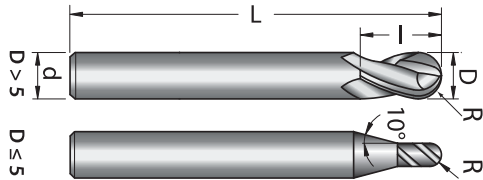


DCOA.FO.	DCOA.FH.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
01200	01200	12	12	10	90	3	10,5	35	2	1,3	0,33
01600	01600	16	16	12	92	3	14	36	2,5	1,8	0,45

DCOA.FO.	DCOA.FH.	D	d	l	L	Z	D3	L3	Rp	Ap	s
		h9	h6							Max	
02000	02000	20	20	15	104	3	18	40	3	2,2	0,55

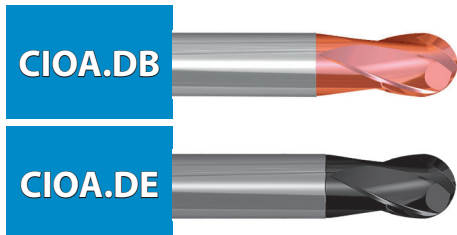


HSC

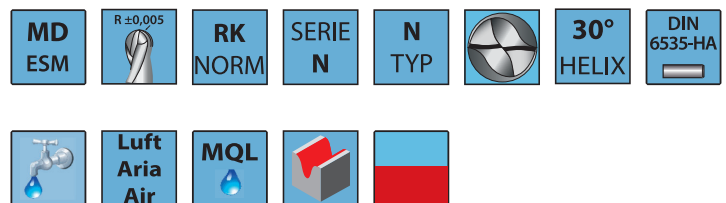
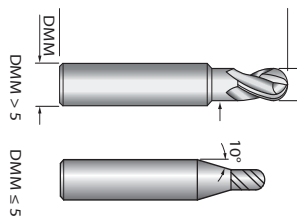


CIOO.FG.	CIOO.FB.	D	d	l	L	Z	R
		h9	h6				±0,01
00200	00200	2	6	5	50	2	1
00300	00300	3	6	8	57	2	1,5
00400	00400	4	6	8	65	2	2
00500	00500	5	6	8	100	2	2,5
00600	00600	6	6	12	100	2	3
00800	00800	8	8	14	100	2	4

CIOO.FG.	CIOO.FB.	D	d	l	L	Z	R
		h9	h6				±0,01
01000	01000	10	10	18	100	2	5
01200	01200	12	12	22	100	2	6
01400	01400	14	14	26	100	2	7
01600	01600	16	16	30	150	2	8
01800	01800	18	18	34	150	2	9
02000.20	02000.20	20	20	38	150	2	10



HSC

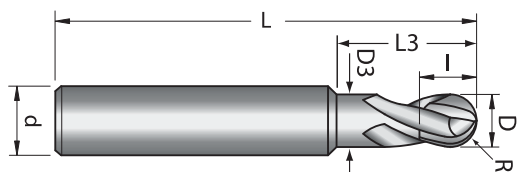


CIOA.DB.	CIOA.DE.	D	d	l	L	Z	D3	L3	R
		-0,005 -0,015	h6						±0,003
00400	00400	4	6	4	50	2	3,9	8	2
004000010	004000010	4	6	4	50	2	3,9	10	2
004000012	004000012	4	6	4	50	2	3,9	12	2
00500	00500	5	6	5	60	2	4,9	10	2,5
005000020	005000020	5	6	5	60	2	4,9	20	2,5
00600	00600	6	6	6	60	2	5,9	12	3

CIOA.DB.	CIOA.DE.	D	d	l	L	Z	D3	L3	R
		-0,005 -0,015	h6						±0,003
006000020	006000020	6	6	6	60	2	5,9	20	3
00800	00800	8	8	8	63	2	7,9	16	4
01000	01000	10	10	10	72	2	9,9	20	5
01200	01200	12	12	12	83	2	11,9	24	6
01600	01600	16	16	16	105	2	15,5	32	8
02000	02000	20	20	20	110	2	19,5	38	10



HSC

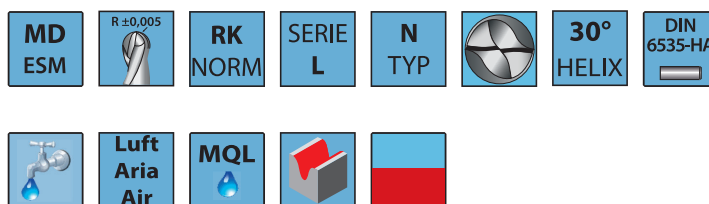
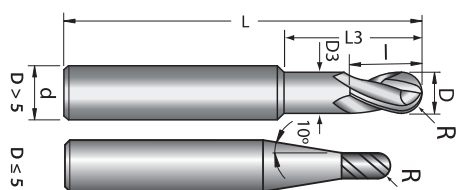


CIOA.DB.	D	d	l	L	Z	D3	L3	R
	-0,005 -0,015	h6						±0,003
00400TE	4	6	4	50	2	3,9	8	3,9
00600TE	6	6	6	60	2	5,9	12	5,9
00800TE	8	8	8	63	2	7,9	16	7,9

CIOA.DB.	D	d	l	L	Z	D3	L3	R
	-0,005 -0,015	h6						±0,003
01000TE	10	10	10	72	2	9,9	20	9,9
01200TE	12	12	12	83	2	11,9	24	11,9



HSC

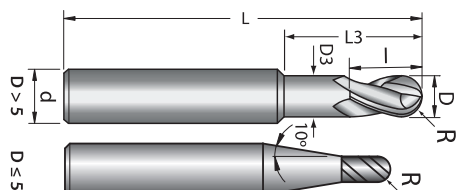


CIOB.DB.	CIOB.DE.	D	d	l	L	Z	D3	L3	R
		-0,005 -0,015	h6						±0,003
00400	00400	4	6	6	70	2	3,9	8	2
004000015	004000015	4	6	6	70	2	3,9	15	2
004000020	004000020	4	6	6	70	2	3,9	20	2
004000025	004000025	4	6	6	70	2	3,9	25	2
004000030	004000030	4	6	6	70	2	3,9	30	2
004000035	004000035	4	6	6	70	2	3,9	35	2
00500	00500	5	6	8	80	2	4,9	10	2,5
005000025	005000025	5	6	8	80	2	4,9	25	2,5

CIOB.DB.	CIOB.DE.	D	d	l	L	Z	D3	L3	R
		-0,005 -0,015	h6						±0,003
005000030	005000030	5	6	8	80	2	4,9	30	2,5
00600	00600	6	6	9	90	2	5,9	12	3
006000030	006000030	6	6	9	110	2	5,9	30	3
00800	00800	8	8	12	100	2	7,9	16	4
01000	01000	10	10	15	100	2	9,9	20	5
01200	01200	12	12	18	110	2	11,9	24	6
01600	01600	16	16	24	140	2	15,5	32	8
02000	02000	20	20	30	160	2	19,5	38	10

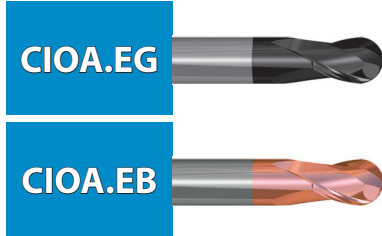


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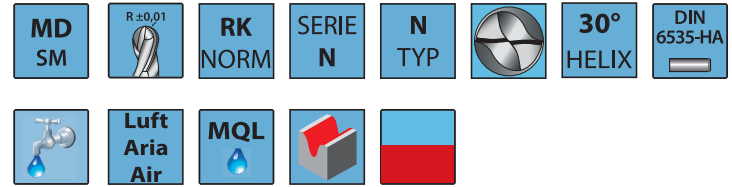
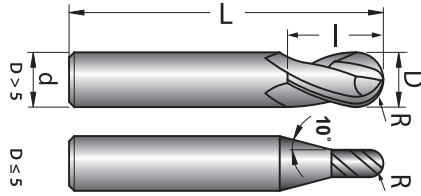


CIOB.DB.	D	d	l	L	Z	D3	L3	R
	-0,005 -0,015	h6						±0,003
00400TE	4	6	4	70	2	3,9	8	3,9
00600TE	6	6	6	90	2	5,9	12	5,9
00800TE	8	8	8	100	2	7,9	16	7,9

CIOB.DB.	D	d	l	L	Z	D3	L3	R
	-0,005 -0,015	h6						±0,003
01000TE	10	10	10	100	2	9,9	20	9,9
01200TE	12	12	12	110	2	11,9	24	11,9

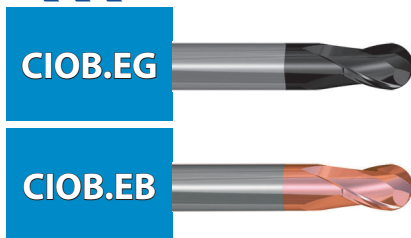


HSC

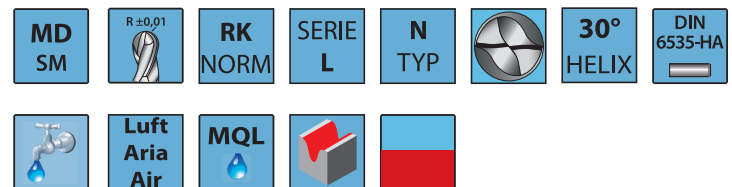
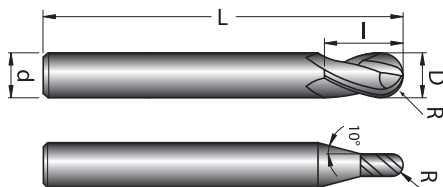


CIOA.EG.	CIOA.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
00400	00400	4	6	6	50	2	2
00500	00500	5	6	8	60	2	2,5
00600	00600	6	6	9	60	2	3
00800	00800	8	8	12	63	2	4

CIOA.EG.	CIOA.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
01000	01000	10	10	15	72	2	5
01200	01200	12	12	18	83	2	6
01600	01600	16	16	24	105	2	8
02000.20	02000.20	20	20	30	110	2	10

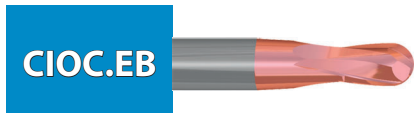


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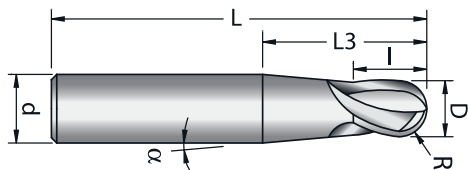


CIOB.EG.	CIOB.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
00400	00400	4	6	4	70	2	2
00500	00500	5	6	5	80	2	2,5
00600	00600	6	6	6	90	2	3
00700	00700	7	8	7	100	2	3,5
00800	00800	8	8	8	100	2	4

CIOB.EG.	CIOB.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
01000	01000	10	10	10	100	2	5
01200	01200	12	12	12	110	2	6
01600	01600	16	16	16	140	2	8
02000.20	02000.20	20	20	20	160	2	10



HSC

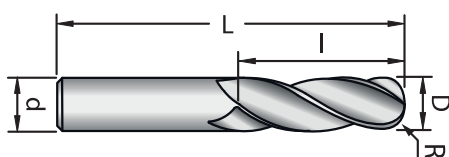


CIOC.EB.	D	d	l	L	Z	R	L3	α
	h9	h6				±0,01		
00400.030A	4	6	6	70	2	2	25,1	3°
00400.015A	4	6	6	100	2	2	44,2	1,5°
00500.030A	5	8	8	100	2	2,5	36,6	3°
00600.030A	6	8	9	100	2	3	28,1	3°
00600.010A	6	8	9	150	2	3	66,3	1°
00700.030A	7	10	10	100	2	3,5	38,6	3°

CIOC.EB.	D	d	l	L	Z	R	L3	α
	h9	h6				±0,01		
00800.030A	8	10	12	100	2	4	31,1	3°
00800.010A	8	10	12	150	2	4	69,3	1°
01000.030A	10	12	15	110	2	5	34,1	3°
01000.010A	10	12	15	150	2	5	72,3	1°
01200.030A	12	16	18	140	2	6	56,2	3°

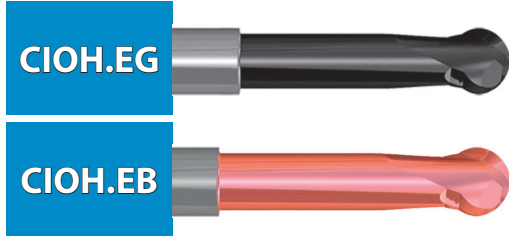


HPC



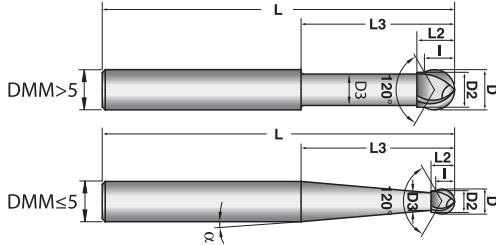
CVOB.EG.	CVOB.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
00400	00400	4	6	6	70	4	2
00500	00500	5	6	8	80	4	2,5
00600	00600	6	6	9	90	4	3
00800	00800	8	8	12	100	4	4

CVOB.EG.	CVOB.EB.	D	d	l	L	Z	R
		h9	h6				±0,01
01000	01000	10	10	15	100	4	5
01200	01200	12	12	18	110	4	6
01600	01600	16	16	24	140	4	8
02000	02000	20	20	30	160	4	10



TiAlN-2 P1 K5 N6 N9 H1
TiSiN M3 S2 S4 H2

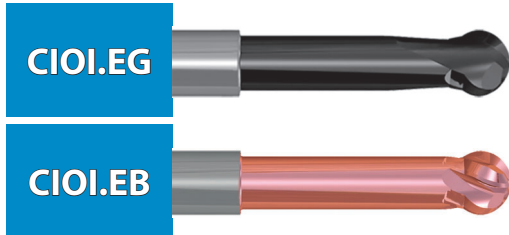
HSC



MD SM R ±0,02 RK NORM SERIE L RK TYP 30° HELIX DIN 6535-HA
Luft Aria Air MQL

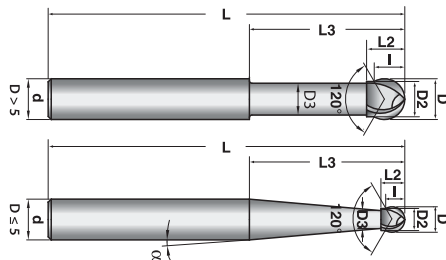
CIOH.EG.	CIOH.EB.	D	d	l	L	Z	D3	L3	R	D2	L2	α
		h9	h6						±0,02			
00300	00300	3	6	2,25	70	2	2,5	30	1,5	2,6	4	3,9°
00400	00400	4	6	3	70	2	3,3	30	2	3,5	4,5	3°
00500	00500	5	6	3,75	80	2	4,1	43	2,5	4,3	6	1,5°
00600	00600	6	6	4,5	90	2	4,9	30	3	5,2	6,5	

CIOH.EG.	CIOH.EB.	D	d	l	L	Z	D3	L3	R	D2	L2	α
		h9	h6						±0,02			
00800	00800	8	8	6	100	2	6,6	36	4	6,9	9	
01000	01000	10	10	7,5	100	2	8,3	43	5	8,7	10,5	
01200	01200	12	12	9	110	2	10	52	6	10,4	12	
01600	01600	16	16	12	140	2	13,4	61	8	13,9	15	



TiAlN-2 P1 K5 N6 N9 H1
TiSiN M3 S2 S4 H2

HSC



MD SM RK NORM RK NORM SERIE L RK TYP 30° HELIX DIN 6535-HA
Luft Aria Air MQL

CIOI.EG.	CIOI.EB.	D	d	l	L	Z	D3	L3	R	D2	L2	α
		h9	h6						±0,02			
00400	00400	4	6	3	70	4	3,3	30	2	3,5	4,5	3°
00500	00500	5	6	3,75	80	4	4,1	43	2,5	4,3	6	1,5°
00600	00600	6	6	4,5	90	4	4,9	30	3	5,2	6,5	
00800	00800	8	8	6	100	4	6,6	36	4	6,9	9	

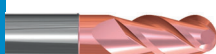
CIOI.EG.	CIOI.EB.	D	d	l	L	Z	D3	L3	R	D2	L2	α
		h9	h6						±0,02			
01000	01000	10	10	7,5	100	4	8,3	43	5	8,7	10,5	
01200	01200	12	12	9	110	4	10	52	6	10,4	12	
01600	01600	16	16	12	140	4	13,4	61	8	13,9	15	

CBOA.FG



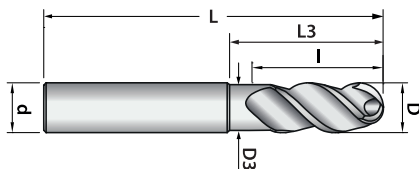
TiAlN-2 P1 K5 N6 H1

CBOA.FB



TiSiN M3 S2 S4

HPC



MD MG 10 R ±0,01 DIN 6527L NORM SERIE N W TYP 45° HELIX DIN 6535-HA

MQL

CBOA.FG.	CBOA.FB.	D	d	I	L	Z	D3	L3	R
		h9	h6						±0,01
00600	00600	6	6	13	57	3	5,7	20	3
00800	00800	8	8	19	63	3	7,7	25	4
01000	01000	10	10	22	72	3	9,7	30	5

CBOA.FG.	CBOA.FB.	D	d	I	L	Z	D3	L3	R
		h9	h6						±0,01
01200	01200	12	12	26	83	3	11,5	38	6
01600	01600	16	16	32	92	3	15	44	8
02000	02000	20	20	38	104	3	19	54	10

CDOO.DB



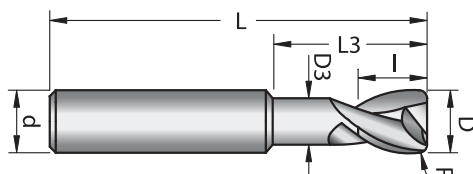
TiSiN H1 H2

CDOO.DE



AlTiN-1 H1 H2

HSC

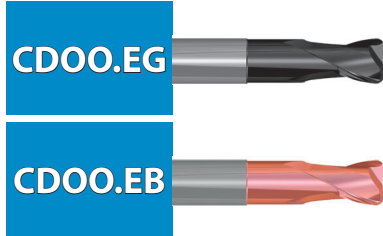


MD ESM RK NORM SERIE N RK TYP 30° HELIX DIN 6535-HA

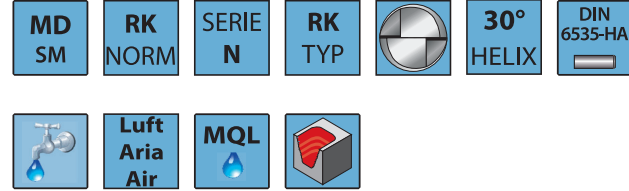
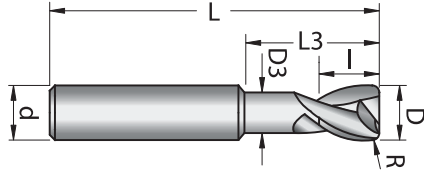
Luft Aria Air MQL

CDOO.DB.	CDOO.DE.	D	d	I	L	Z	D3	L3	R
		-0,02 -0,04	h6						±0,01
00400.1202	00400.1202	4	6	4	60	2	3,9	12	0,2
00400.1602	00400.1602	4	6	4	60	2	3,9	16	0,2
00400.2002	00400.2002	4	6	4	60	2	3,9	20	0,2
00400.1203	00400.1203	4	6	4	60	2	3,9	12	0,3
00400.1603	00400.1603	4	6	4	60	2	3,9	16	0,3
00400.2003	00400.2003	4	6	4	60	2	3,9	20	0,3
00400.1205	00400.1205	4	6	4	60	2	3,9	12	0,5
00400.1605	00400.1605	4	6	4	60	2	3,9	16	0,5
00400.2005	00400.2005	4	6	4	60	2	3,9	20	0,5
00500.0003	00500.0003	5	6	5	60	2	4,9	15	0,3
00500.0005	00500.0005	5	6	5	60	2	4,9	15	0,5
00600.0003	00600.0003	6	6	6	60	2	5,8	24	0,3
00600.0005	00600.0005	6	6	6	60	2	5,8	24	0,5
00600.0010	00600.0010	6	6	6	60	2	5,8	24	1

CDOO.DB.	CDOO.DE.	D	d	I	L	Z	D3	L3	R
		-0,02 -0,04	h6						±0,01
00800.0003	00800.0003	8	8	8	75	2	7,8	29	0,3
00800.0005	00800.0005	8	8	8	75	2	7,8	29	0,5
00800.0010	00800.0010	8	8	8	75	2	7,8	29	1
00800.0015	00800.0015	8	8	8	75	2	7,8	29	1,5
00800.0020	00800.0020	8	8	8	75	2	7,8	29	2
01000.0003	01000.0003	10	10	10	80	2	9,7	35	0,3
01000.0005	01000.0005	10	10	10	80	2	9,7	35	0,5
01000.0010	01000.0010	10	10	10	80	2	9,7	35	1
01000.0015	01000.0015	10	10	10	80	2	9,7	35	1,5
01000.0020	01000.0020	10	10	10	80	2	9,7	35	2
01200.0005	01200.0005	12	12	12	100	2	11,7	37	0,5
01200.0010	01200.0010	12	12	12	100	2	11,7	37	1
01200.0015	01200.0015	12	12	12	100	2	11,7	37	1,5
01200.0020	01200.0020	12	12	12	100	2	11,7	37	2

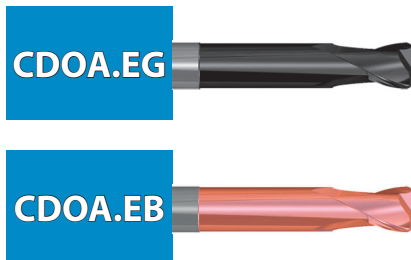


HSC

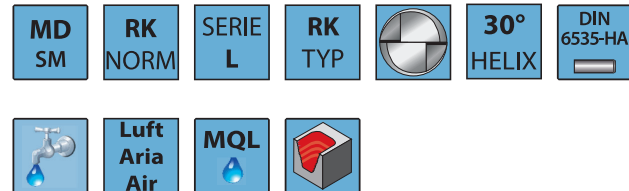
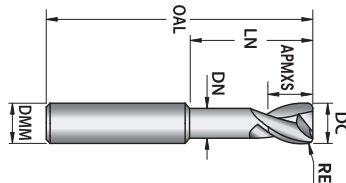


CD00.EG.	CD00.EB.	D f8	d h6	l	L	Z	D3	L3	R ±0,01
00400.1202	00400.1202	4	6	4	60	2	3,9	12	0,2
00400.1602	00400.1602	4	6	4	60	2	3,9	16	0,2
00400.2002	00400.2002	4	6	4	60	2	3,9	20	0,2
00400.1203	00400.1203	4	6	4	60	2	3,9	12	0,3
00400.1603	00400.1603	4	6	4	60	2	3,9	16	0,3
00400.2003	00400.2003	4	6	4	60	2	3,9	20	0,3
00400.1205	00400.1205	4	6	4	60	2	3,9	12	0,5
00400.1605	00400.1605	4	6	4	60	2	3,9	16	0,5
00400.2005	00400.2005	4	6	4	60	2	3,9	20	0,5
00500.0003	00500.0003	5	6	5	60	2	4,9	15	0,3
00500.0005	00500.0005	5	6	5	60	2	4,9	15	0,5
00600.0003	00600.0003	6	6	6	60	2	5,8	24	0,3
00600.0005	00600.0005	6	6	6	60	2	5,8	24	0,5
00600.0010	00600.0010	6	6	6	60	2	5,8	24	1

CD00.EG.	CD00.EB.	D f8	d h6	l	L	Z	D3	L3	R ±0,01
00800.0003	00800.0003	8	8	8	75	2	7,8	29	0,3
00800.0005	00800.0005	8	8	8	75	2	7,8	29	0,5
00800.0010	00800.0010	8	8	8	75	2	7,8	29	1
00800.0015	00800.0015	8	8	8	75	2	7,8	29	1,5
00800.0020	00800.0020	8	8	8	75	2	7,8	29	2
01000.0003	01000.0003	10	10	10	80	2	9,7	35	0,3
01000.0005	01000.0005	10	10	10	80	2	9,7	35	0,5
01000.0010	01000.0010	10	10	10	80	2	9,7	35	1
01000.0015	01000.0015	10	10	10	80	2	9,7	35	1,5
01000.0020	01000.0020	10	10	10	80	2	9,7	35	2
01200.0005	01200.0005	12	12	12	100	2	11,7	37	0,5
01200.0010	01200.0010	12	12	12	100	2	11,7	37	1
01200.0015	01200.0015	12	12	12	100	2	11,7	37	1,5
01200.0020	01200.0020	12	12	12	100	2	11,7	37	2

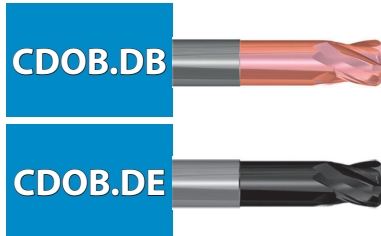


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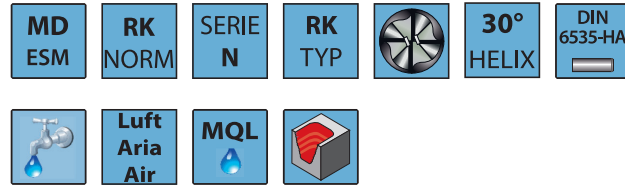
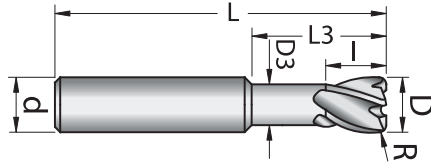


CDOA.EG.	CDOA.EB.	D f8	d h6	l	L	Z	D3	L3	R ±0,01
00400.2502	00400.2502	4	6	4	70	2	3,9	25	0,2
00400.3002	00400.3002	4	6	4	70	2	3,9	30	0,2
00400.2503	00400.2503	4	6	4	70	2	3,9	25	0,3
00400.3003	00400.3003	4	6	4	70	2	3,9	30	0,3
00400.2505	00400.2505	4	6	4	70	2	3,9	25	0,5
00400.3005	00400.3005	4	6	4	70	2	3,9	30	0,5
00600.0003	00600.0003	6	6	6	90	2	5,8	45	0,3
00600.0005	00600.0005	6	6	6	90	2	5,8	45	0,5
00600.0010	00600.0010	6	6	6	90	2	5,8	45	1

CDOA.EG.	CDOA.EB.	D f8	d h6	l	L	Z	D3	L3	R ±0,01
00800.0005	00800.0005	8	8	8	100	2	7,8	55	0,5
00800.0010	00800.0010	8	8	8	100	2	7,8	55	1
00800.0015	00800.0015	8	8	8	100	2	7,8	55	1,5
01000.0005	01000.0005	10	10	10	100	2	9,7	55	0,5
01000.0010	01000.0010	10	10	10	100	2	9,7	55	1
01000.0015	01000.0015	10	10	10	100	2	9,7	55	1,5
01200.0005	01200.0005	12	12	12	120	2	11,7	75	0,5
01200.0010	01200.0010	12	12	12	120	2	11,7	75	1

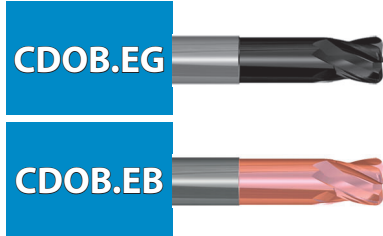


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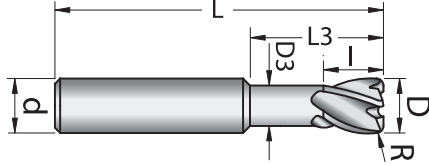


CDOB.DB.	CDOB.DE.	D -0,02 -0,04	d h6	l	L	Z	D3	L3	R ±0,01
00400.13	00400.13	4	6	4	60	4	3,9	13	-
00400.16	00400.16	4	6	4	60	4	3,9	16	-
00400.20	00400.20	4	6	4	60	4	3,9	20	-
00400.1302	00400.1302	4	6	4	60	4	3,9	13	0,2
00400.1602	00400.1602	4	6	4	60	4	3,9	16	0,2
00400.2002	00400.2002	4	6	4	60	4	3,9	20	0,2
00400.2003	00400.2003	4	6	4	60	4	3,9	20	0,3
00400.1305	00400.1305	4	6	4	60	4	3,9	13	0,5
00400.1605	00400.1605	4	6	4	60	4	3,9	16	0,5
00400.2005	00400.2005	4	6	4	60	4	3,9	20	0,5
00400.1310	00400.1310	4	6	4	60	4	3,9	13	1
00400.1610	00400.1610	4	6	4	60	4	3,9	16	1
00400.2010	00400.2010	4	6	4	60	4	3,9	20	1
00600.20	00600.20	6	6	6	60	4	5,8	20	-
00600.2003	00600.2003	6	6	6	60	4	5,8	20	0,3
00600.0003	00600.0003	6	6	6	60	4	5,8	24	0,3
00600.3003	00600.3003	6	6	6	60	4	5,8	30	0,3
00600.2005	00600.2005	6	6	6	60	4	5,8	20	0,5
00600.0005	00600.0005	6	6	6	60	4	5,8	24	0,5
00600.3005	00600.3005	6	6	6	60	4	5,8	30	0,5
00600.2010	00600.2010	6	6	6	60	4	5,8	20	1
00600.0010	00600.0010	6	6	6	60	4	5,8	24	1
00600.3010	00600.3010	6	6	6	60	4	5,8	30	1
00800.0003	00800.0003	8	8	8	75	4	7,8	29	0,3
00800.0005	00800.0005	8	8	8	75	4	7,8	29	0,5

CDOB.DB.	CDOB.DE.	D -0,02 -0,04	d h6	l	L	Z	D3	L3	R ±0,01
00800.0010	00800.0010	8	8	8	75	4	7,8	29	1
00800.0015	00800.0015	8	8	8	75	4	7,8	29	1,5
00800.0020	00800.0020	8	8	8	75	4	7,8	29	2
01000.0003	01000.0003	10	10	10	80	4	9,7	35	0,3
01000.0005	01000.0005	10	10	10	80	4	9,7	35	0,5
01000.0010	01000.0010	10	10	10	80	4	9,7	35	1
01000.0015	01000.0015	10	10	10	80	4	9,7	35	1,5
01000.0020	01000.0020	10	10	10	80	4	9,7	35	2
01000.0025	01000.0025	10	10	10	80	4	9,7	35	2,5
01200.0005	01200.0005	12	12	12	100	4	11,7	37	0,5
01200.0010	01200.0010	12	12	12	100	4	11,7	37	1
01200.0015	01200.0015	12	12	12	100	4	11,7	37	1,5
01200.0020	01200.0020	12	12	12	100	4	11,7	37	2
01200.0025	01200.0025	12	12	12	100	4	11,7	37	2,5
01200.0030	01200.0030	12	12	12	100	4	11,7	37	3
01600.0005	01600.0005	16	16	16	105	4	15,5	42	0,5
01600.0010	01600.0010	16	16	16	105	4	15,5	42	1
01600.0015	01600.0015	16	16	16	105	4	15,5	42	1,5
01600.0020	01600.0020	16	16	16	105	4	15,5	42	2
02000.2005	02000.2005	20	20	20	110	4	19,5	48	0,5
02000.2010	02000.2010	20	20	20	110	4	19,5	48	1
02000.2015	02000.2015	20	20	20	110	4	19,5	48	1,5
02000.2020	02000.2020	20	20	20	110	4	19,5	48	2
02000.2025	02000.2025	20	20	20	110	4	19,5	48	2,5

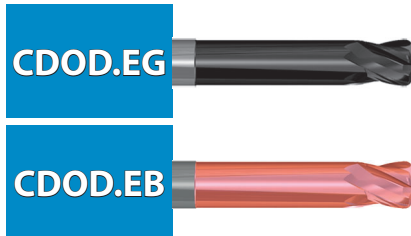


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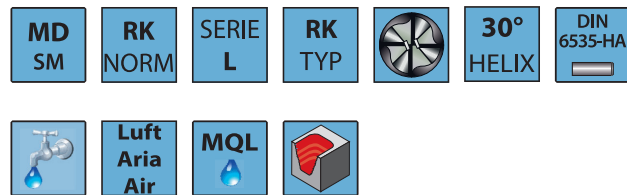
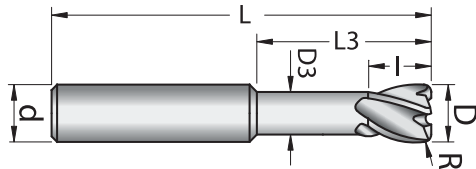


CDOB.EG.	CDOB.EB.	D	d	l	L	Z	D3	L3	R
		$\begin{matrix} -0,02 \\ -0,04 \end{matrix}$	h_6						$\pm 0,01$
00600.0003	00600.0003	6	6	6	60	4	5,8	24	0,3
00600.0005	00600.0005	6	6	6	60	4	5,8	24	0,5
00600.0010	00600.0010	6	6	6	60	4	5,8	24	1
00800.0003	00800.0003	8	8	8	75	4	7,8	29	0,3
00800.0005	00800.0005	8	8	8	75	4	7,8	29	0,5
00800.0010	00800.0010	8	8	8	75	4	7,8	29	1
00800.0015	00800.0015	8	8	8	75	4	7,8	29	1,5
00800.0020	00800.0020	8	8	8	75	4	7,8	29	2
01000.0003	01000.0003	10	10	10	80	4	9,7	35	0,3
01000.0005	01000.0005	10	10	10	80	4	9,7	35	0,5
01000.0010	01000.0010	10	10	10	80	4	9,7	35	1
01000.0015	01000.0015	10	10	10	80	4	9,7	35	1,5
01000.0020	01000.0020	10	10	10	80	4	9,7	35	2

CDOB.EG.	CDOB.EB.	D	d	l	L	Z	D3	L3	R
		$\begin{matrix} -0,02 \\ -0,04 \end{matrix}$	h_6						$\pm 0,01$
01200.0005	01200.0005	12	12	12	100	4	11,7	37	0,5
01200.0010	01200.0010	12	12	12	100	4	11,7	37	1
01200.0015	01200.0015	12	12	12	100	4	11,7	37	1,5
01200.0020	01200.0020	12	12	12	100	4	11,7	37	2
01600.0005	01600.0005	16	16	16	105	4	15,5	42	0,5
01600.0010	01600.0010	16	16	16	105	4	15,5	42	1
01600.0015	01600.0015	16	16	16	105	4	15,5	42	1,5
01600.0020	01600.0020	16	16	16	105	4	15,5	42	2
02000.2005	02000.2005	20	20	20	110	4	19,5	48	0,5
02000.2010	02000.2010	20	20	20	110	4	19,5	48	1
02000.2015	02000.2015	20	20	20	110	4	19,5	48	1,5
02000.2020	02000.2020	20	20	20	110	4	19,5	48	2
02000.2025	02000.2025	20	20	20	110	4	19,5	48	2,5

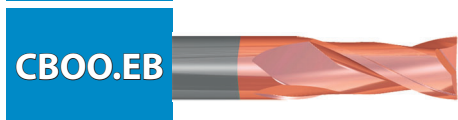


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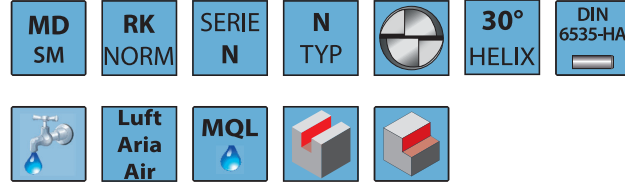
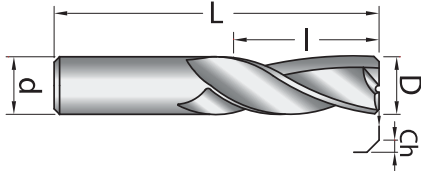


CDOD.EG.	CDOD.EB.	D	d	l	L	Z	D3	L3	R
		f_8	h_6						$\pm 0,01$
00400.30	00400.30	4	6	4	70	4	3,9	30	-
00400.2502	00400.2502	4	6	4	70	4	3,9	25	0,2
00400.3002	00400.3002	4	6	4	70	4	3,9	30	0,2
00400.3502	00400.3502	4	6	4	70	4	3,9	35	0,2
00400.3003	00400.3003	4	6	4	70	4	3,9	30	0,3
00400.4003	00400.4003	4	6	4	80	4	3,9	40	0,3
00400.2505	00400.2505	4	6	4	70	4	3,9	25	0,5
00400.3005	00400.3005	4	6	4	70	4	3,9	30	0,5
00400.3505	00400.3505	4	6	4	70	4	3,9	35	0,5
00400.2510	00400.2510	4	6	4	70	4	3,9	25	1
00400.3010	00400.3010	4	6	4	70	4	3,9	30	1
00400.3510	00400.3510	4	6	4	70	4	3,9	35	1
00600.50	00600.50	6	6	6	90	4	5,8	50	-

CDOD.EG.	CDOD.EB.	D	d	l	L	Z	D3	L3	R
		f_8	h_6						$\pm 0,01$
00600.4005	00600.4005	6	6	6	90	4	5,8	40	0,5
00600.0005	00600.0005	6	6	6	90	4	5,8	45	0,5
00600.4010	00600.4010	6	6	6	90	4	5,8	40	1
00600.0010	00600.0010	6	6	6	90	4	5,8	45	1
00800.0005	00800.0005	8	8	8	100	4	7,8	55	0,5
00800.0010	00800.0010	8	8	8	100	4	7,8	55	1
01000.0005	01000.0005	10	10	10	100	4	9,7	55	0,5
01000.0010	01000.0010	10	10	10	100	4	9,7	55	1
01000.0015	01000.0015	10	10	10	100	4	9,7	55	1,5
01200.0005	01200.0005	12	12	12	120	4	11,7	75	0,5
01200.0010	01200.0010	12	12	12	120	4	11,7	75	1
01200.0015	01200.0015	12	12	12	120	4	11,7	75	1,5



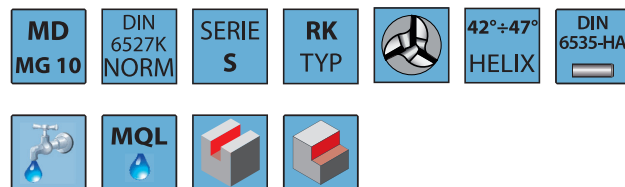
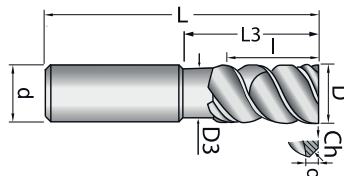
HSC



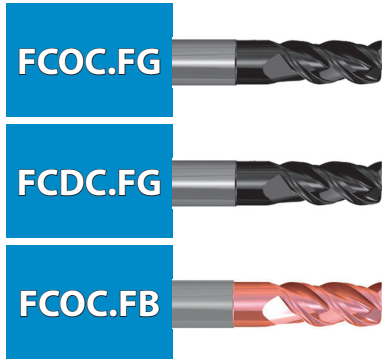
CBOO.EG.	CBOO.EB.	D	d	l	L	Z	Ch
		e8	h6				45°
00400	00400	4	6	11	50	2	0,05
00500	00500	5	6	13	60	2	0,05
00600	00600	6	6	13	60	2	0,05
00800	00800	8	8	19	63	2	0,07
01000	01000	10	10	22	72	2	0,07
01200	01200	12	12	26	83	2	0,1
01600	01600	16	16	32	92	2	0,1
02000.20	02000.20	20	20	38	104	2	0,1



HPC

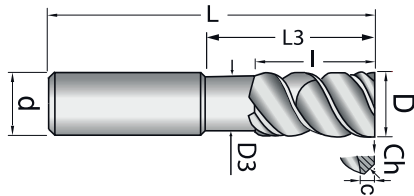


FCOB.FG.	FCOB.FB.	D	d	l	L	Z	D3	L3	c	Ch
		f8	h6							45°
00400	00400	4	6	8	54	3	3,7	17	0,2	0,1
00500	00500	5	6	9	54	3	4,7	17	0,2	0,1
00600	00600	6	6	10	54	3	5,7	17	0,25	0,15
00800	00800	8	8	12	58	3	7,5	21	0,25	0,15
01000	01000	10	10	14	66	3	9,5	25	0,25	0,15
01200	01200	12	12	16	73	3	11,5	27	0,3	0,2
01400	01400	14	14	16	73	3	13	29	0,3	0,2
01600	01600	16	16	22	82	3	15	33	0,4	0,25
01800	01800	18	18	22	82	3	17	35	0,4	0,25
02000	02000	20	20	26	92	3	19	41	0,45	0,3



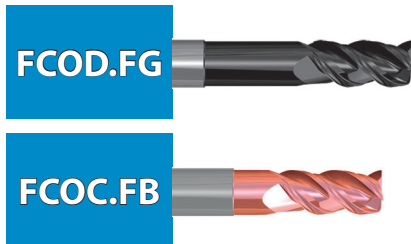
TiAlN-2	DIN 6535-HA	P1	K5	N6	H1
TiAlN-2	DIN 6535-HB	P1	K5	N6	H1
TiSiN	DIN 6535-HA	M3	S2	S4	

HPC



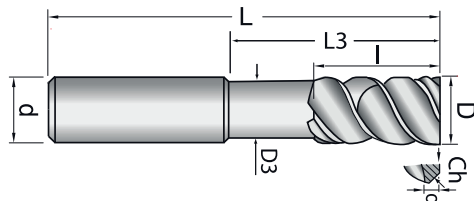
MD MG 10	DIN 6527L NORM	SERIE N	RK TYP		42°÷47° HELIX
	MQL				

FCOC.FG.	FCDC.FG.	FCOC.FB.	D	d	l	L	Z	D3	L3	c	Ch
			f8	h6							45°
		00200.04	2	4	5	50	3			0,20	0,10
		00300.04	3	4	8	50	3			0,20	0,10
00300		00300	3	6	7	57	3			0,20	0,10
00400		00400	4	6	11	57	3			0,20	0,10
00500		00500	5	6	13	57	3			0,20	0,10
00600		00600	6	6	13	57	3	5,7	20	0,25	0,15
00800		00800	8	8	19	63	3	7,7	25	0,25	0,15
01000		01000	10	10	22	72	3	9,7	30	0,25	0,15
01200		01200	12	12	26	83	3	11,5	38	0,30	0,20
01400		01400	14	14	26	83	3	13,5	38	0,30	0,20
01600	01600	01600	16	16	32	92	3	15	44	0,40	0,25
01800		01800	18	18	32	92	3	17	44	0,40	0,25
02000	02000	02000	20	20	38	104	3	19	54	0,45	0,30



TiAlN-2	P1	K5	N6	H1
TiSiN	M3	S2	S4	

HPC



MD MG 10	RK NORM	SERIE L	RK TYP		42°÷47° HELIX	DIN 6535-HA
	MQL					

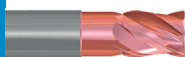
FCOD.FG.	FCOD.FB.	D	d	l	L	Z	D3	L3	c	Ch
		f8	h6							45°
00600	00600	6	6	13	65	3	5,7	29	0,25	0,15
00800	00800	8	8	19	81	3	7,5	45	0,25	0,15
01000	01000	10	10	22	100	3	9,5	50	0,25	0,15
01200	01200	12	12	26	100	3	11,5	55	0,3	0,2
01600	01600	16	16	32	110	3	15	62	0,4	0,25
02000	02000	20	20	38	125	3	19	75	0,45	0,3

EGOB.FG



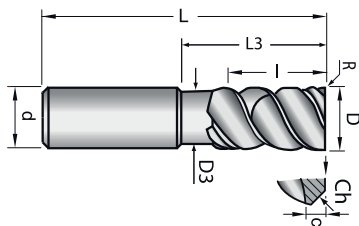
TiAlN-2 P1 K5 N8 H1

EGOB.FB



TiSiN M3 S2 S4

HPC



MD MG 10 RK NORM SERIE S RK TYP 36°+39° HELIX DIN 6535-HA

MQL

EGOB.FG.	EGOB.FB.	D	d	l	L	Z	D3	L3	R	c	Ch
		f8	h6						±0,015		45°
00400	00400	4	6	8	54	4	3,7	17		0,2	0,1
00500	00500	5	6	9	54	4	4,7	17		0,2	0,1
00600	00600	6	6	10	54	4	5,7	17		0,25	0,15
00800	00800	8	8	12	58	4	7,5	21		0,25	0,15
01000	01000	10	10	14	66	4	9,5	25		0,25	0,15
01000.1500	01000.1500	10	10	14	66	4	9,5	25	1,5		
01200	01200	12	12	16	73	4	11,5	27		0,3	0,2
01400	01400	14	14	18	75	4	13	29		0,3	0,2
01600	01600	16	16	22	82	4	15	33		0,4	0,25
01800	01800	18	18	24	84	4	17	35		0,4	0,25
02000	02000	20	20	26	92	4	19	41		0,45	0,3

EGOC.FG



TiAlN-2 DIN 6535-HA P1 K5 N8 H1

EGDC.FG



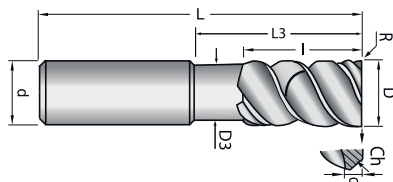
TiAlN-2 DIN 6535-HB P1 K5 N8 H1

EGOC.FB



TiSiN DIN 6535-HA M3 S2 S4

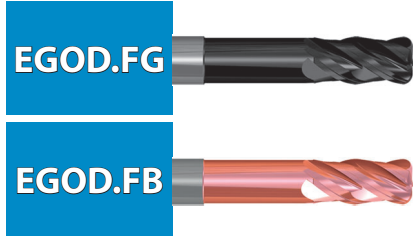
HPC



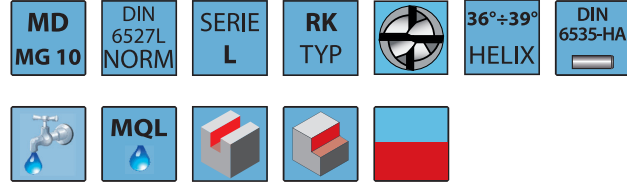
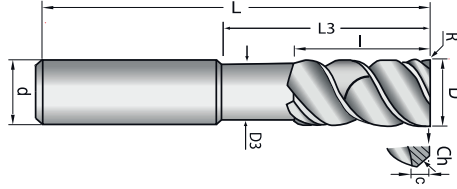
MD MG 10 DIN 6527K NORM SERIE N RK TYP 36°+39° HELIX

MQL

EGOC.FG.	EGDC.FG.	EGOC.FB.	D	d	l	L	Z	D3	L3	R	c	Ch
			f8	h6						±0,015		45°
00400		00400	4	6	11	57	4				0,20	0,10
00500		00500	5	6	13	57	4				0,20	0,10
00600		00600	6	6	13	57	4	5,7	20		0,25	0,15
00800		00800	8	8	19	63	4	7,7	25		0,25	0,15
01000		01000	10	10	22	72	4	9,7	30		0,25	0,15
01200		01200	12	12	26	83	4	11,5	38		0,30	0,20
012002500		012002500	12	12	26	83	4	11,5	38	2,5		
01400		01400	14	14	26	83	4	13,5	38		0,30	0,20
01600	01600	01600	16	16	32	92	4	15	44		0,40	0,25
016002500		016002500	16	16	32	92	4	15	44	2,5		
016004000		016004000	16	16	32	92	4	15	44	4		
01800		01800	18	18	32	92	4	17	44		0,40	0,25
02000	02000	02000	20	20	38	104	4	19	54		0,45	0,30
020002500		020002500	20	20	38	104	4	19	54	2,5		
020004000		020004000	20	20	38	104	4	19	54	4		



HPC



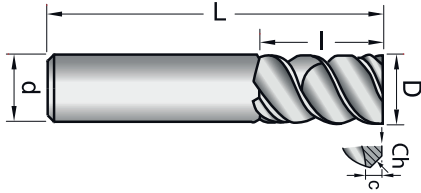
EGOD.FG.	EGOD.FB.	D	d	l	L	Z	D3	L3	R	c	Ch
		h8	h6						±0,015		45°
00600	00600	6	6	13	65	4	5,7	29		0,25	0,15
00800	00800	8	8	19	81	4	7,5	45		0,25	0,15
01000	01000	10	10	22	100	4	9,5	50		0,25	0,15
01200	01200	12	12	26	100	4	11,5	55		0,3	0,2
01200.2500	01200.2500	12	12	26	100	4	11,5	55	2,5		
	01500.2500	15	16	32	110	4	14	62	2,5		
	01500.4000	15	16	32	110	4	14	62	4		
01600	01600	16	16	32	110	4	15	62		0,4	0,25
01600.2500	01600.2500	16	16	32	110	4	15	62	2,5		
01600.4000	01600.4000	16	16	32	110	4	15	62	4		
02000	02000	20	20	38	125	4	19	75		0,45	0,3
02000.2500	02000.2500	20	20	38	125	4	19	75	2,5		
02000.4000	02000.4000	20	20	38	125	4	19	75	4		

CBOB.EB



TiSiN H1 H2

HPC



MD SM RK NORM SERIE N RK TYP 55° HELIX DIN 6535-HA

MQL

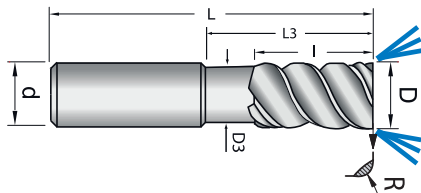
CBOB.EB.	D	d	l	L	Z	c	Ch
	h9	h6					45°
00400	4	6	12	60	4	0,25	0,15
00600	6	6	15	60	4	0,25	0,15
00800	8	8	20	75	4	0,25	0,15
01000	10	10	25	80	4	0,25	0,15
01200	12	12	30	100	4	0,25	0,15
01600	16	16	40	105	4	0,35	0,2
02000.20	20	20	45	110	4	0,35	0,2

CBOR.FE



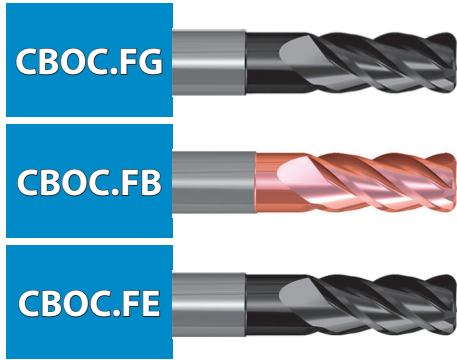
AlTiN-1 P1 M3 K5 S2 S4 H1

HPC

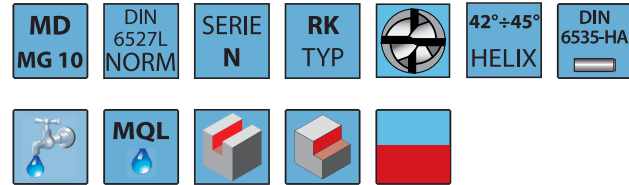
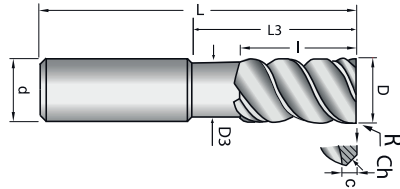


MD MG 10 DIN 6527L NORM SERIE N RK TYP 42°±45° HELIX DIN 6535-HA

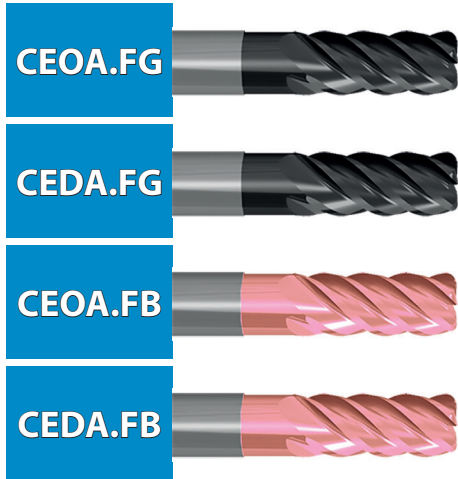
CBOR.FE.	D	d	l	L	Z	D3	L3	R
	h9	h6						±0,01
006000001	6	6	13	57	4	5,7	20	0,15
008000001	8	8	19	63	4	7,7	25	0,15
010000002	10	10	22	72	4	9,7	30	0,25
012000002	12	12	26	83	4	11,5	38	0,25
016000002	16	16	32	92	4	15	44	0,25
020000004	20	20	38	104	4	19	54	0,4



HPC

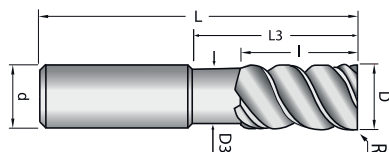


CBOC.FG.	CBOC.FB.	CBOC.FE.	D	d	l	L	Z	D3	L3	R	c	Ch
			fb	h6						±0,01		45°
00300	00300	00300	3	6	8	57	4				0,1	0,05
00300.0014	00300.0014		3	6	8	57	4	2,7	14		0,1	0,1
00400	00400	00400	4	6	11	57	4				0,15	0,1
00400.0018	00400.0018		4	6	11	57	4	3,7	18		0,15	0,1
00500	00500	00500	5	6	13	57	4				0,15	0,1
00500.0019	00500.0019		5	6	13	57	4	4,7	19		0,15	0,1
00600	00600	00600	6	6	13	57	4	5,7	20		0,2	0,15
00600.0001	00600.0001	00600.0001	6	6	13	57	4	5,7	20	0,15		
00600.0005	00600.0005	00600.0005	6	6	13	57	4	5,7	20	0,5		
00600.0010	00600.0010	00600.0010	6	6	13	57	4	5,7	20	1		
00800	00800	00800	8	8	19	63	4	7,7	25		0,2	0,15
00800.0001	00800.0001	00800.0001	8	8	19	63	4	7,7	25	0,15		
00800.0005	00800.0005	00800.0005	8	8	19	63	4	7,7	25	0,5		
00800.0010	00800.0010	00800.0010	8	8	19	63	4	7,7	25	1		
00800.0020	00800.0020	00800.0020	8	8	19	63	4	7,7	25	2		
01000	01000	01000	10	10	22	72	4	9,7	30		0,2	0,15
01000.0002	01000.0002	01000.0002	10	10	22	72	4	9,7	30	0,25		
01000.0005	01000.0005	01000.0005	10	10	22	72	4	9,7	30	0,5		
01000.0010	01000.0010	01000.0010	10	10	22	72	4	9,7	30	1		
01000.0020	01000.0020	01000.0020	10	10	22	72	4	9,7	30	2		
01200*	01200*	01200*	*12	12	26	83	4	11,5	38		0,25	0,2
01200.0002*	01200.0002*	01200.0002*	*12	12	26	83	4	11,5	38	0,25		
01200.0005*	01200.0005*	01200.0005*	*12	12	26	83	4	11,5	38	0,5		
01200.0010*	01200.0010*	01200.0010*	*12	12	26	83	4	11,5	38	1		
01200.0020*	01200.0020*	01200.0020*	*12	12	26	83	4	11,5	38	2		
01600*	01600*	01600*	*16	16	32	92	4	15	44		0,3	0,25
01600.0002*	01600.0002*	01600.0002*	*16	16	32	92	4	15	44	0,25		
01600.0005*	01600.0005*	01600.0005*	*16	16	32	92	4	15	44	0,5		
01600.0010*	01600.0010*	01600.0010*	*16	16	32	92	4	15	44	1		
01600.0020*	01600.0020*	01600.0020*	*16	16	32	92	4	15	44	2		
01600.0025*	01600.0025*	01600.0025*	*16	16	32	92	4	15	44	2,5		
01600.0030*	01600.0030*	01600.0030*	*16	16	32	92	4	15	44	3		
01600.0040*	01600.0040*	01600.0040*	*16	16	32	92	4	15	44	4		
02000*	02000*	02000*	*20	20	38	104	4	19	54		0,35	0,3
02000.0004*	02000.0004*	02000.0004*	*20	20	38	104	4	19	54	0,4		
02000.0010*	02000.0010*	02000.0010*	*20	20	38	104	4	19	54	1		
02000.0020*	02000.0020*	02000.0020*	*20	20	38	104	4	19	54	2		
02000.0025*	02000.0025*	02000.0025*	*20	20	38	104	4	19	54	2,5		
02000.0030*	02000.0030*	02000.0030*	*20	20	38	104	4	19	54	3		
02000.0040*	02000.0040*	02000.0040*	*20	20	38	104	4	19	54	4		
02500.0004*	02500.0004*	02500.0004*	*25	25	45	121	4	24	60	0,4		
02500.0010*	02500.0010*	02500.0010*	*25	25	45	121	4	24	60	1		
02500.0020*	02500.0020*	02500.0020*	*25	25	45	121	4	24	60	2		
02500.0025*	02500.0025*	02500.0025*	*25	25	45	121	4	24	60	2,5		
02500.0040*	02500.0040*	02500.0040*	*25	25	45	121	4	24	60	4		



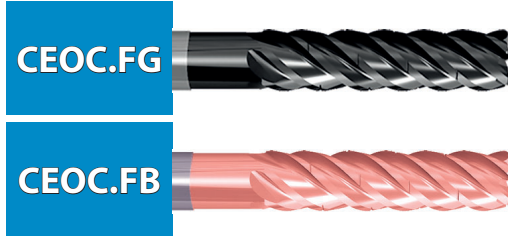
TiAlN-2	DIN 6535-HA	P1	K5	N8	H1
TiAlN-2	DIN 6535-HB	P1	K5	N8	H1
TiSiN	DIN 6535-HA	M3	S2	S4	
TiSiN	DIN 6535-HB	M3	S2	S4	

HPC



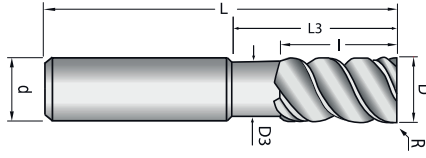
MD MG 10	RK NORM	SERIE N	RK TYP		42°±45° HELIX
	MQL				

CEOA.FG.	CEDA.FG.	CEOA.FB.	CEDA.FB.	D	d	l	L	Z	D3	L3	R
				φ8	h6						±0,01
00800.0124		00800.0124		8	8	19	63	5	7,7	24	0,15
00800.0524		00800.0524		8	8	19	63	5	7,7	24	0,5
00800.1024		00800.1024		8	8	19	63	5	7,7	24	1
01000.0230		01000.0230		10	10	22	72	5	9,7	30	0,25
01000.0530		01000.0530		10	10	22	72	5	9,7	30	0,5
01000.1030		01000.1030		10	10	22	72	5	9,7	30	1
01000.2030		01000.2030		10	10	22	72	5	9,7	30	2
01200.0238	01200.0238	01200.0238	01200.0238	12	12	26	83	5	11,5	38	0,25
01200.0538	01200.0538	01200.0538	01200.0538	12	12	26	83	5	11,5	38	0,5
01200.1038	01200.1038	01200.1038	01200.1038	12	12	26	83	5	11,5	38	1
01200.2038	01200.2038	01200.2038	01200.2038	12	12	26	83	5	11,5	38	2
01600.0550	01600.0550	01600.0550	01600.0550	16	16	36	100	5	15	50	0,5
01600.1050	01600.1050	01600.1050	01600.1050	16	16	36	100	5	15	50	1
01600.2050	01600.2050	01600.2050	01600.2050	16	16	36	100	5	15	50	2
01600.2550	01600.2550	01600.2550	01600.2550	16	16	36	100	5	15	50	2,5
01600.3050	01600.3050	01600.3050	01600.3050	16	16	36	100	5	15	50	3
01600.4050	01600.4050	01600.4050	01600.4050	16	16	36	100	5	15	50	4
01600.5050	01600.5050	01600.5050	01600.5050	16	16	36	100	5	15	50	5
02000.0560	02000.0560	02000.0560	02000.0560	20	20	44	110	5	19	60	0,5
02000.1060	02000.1060	02000.1060	02000.1060	20	20	44	110	5	19	60	1
02000.2060	02000.2060	02000.2060	02000.2060	20	20	44	110	5	19	60	2
02000.2560	02000.2560	02000.2560	02000.2560	20	20	44	110	5	19	60	2,5
02000.3060	02000.3060	02000.3060	02000.3060	20	20	44	110	5	19	60	3
02000.4060	02000.4060	02000.4060	02000.4060	20	20	44	110	5	19	60	4
02000.5060	02000.5060	02000.5060	02000.5060	20	20	44	110	5	19	60	5
02000.6060	02000.6060	02000.6060	02000.6060	20	20	44	110	5	19	60	6
02500.0565	02500.0565	02500.0565	02500.0565	25	25	55	121	5	24	65	0,5
02500.1065	02500.1065	02500.1065	02500.1065	25	25	55	121	5	24	65	1
02500.2065	02500.2065	02500.2065	02500.2065	25	25	55	121	5	24	65	2
02500.2565	02500.2565	02500.2565	02500.2565	25	25	55	121	5	24	65	2,5
02500.4065	02500.4065	02500.4065	02500.4065	25	25	55	121	5	24	65	4



TiAlN-2 P1 K5 N8 H1
TiSiN M3 S2 S4

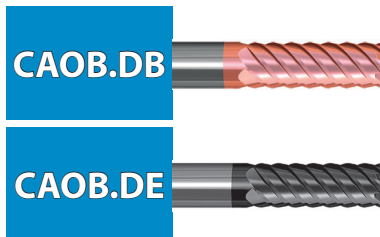
HSC



MD ESM RK NORM SERIE N RK TYP 55° HELIX DIN 6535-HA
MQL

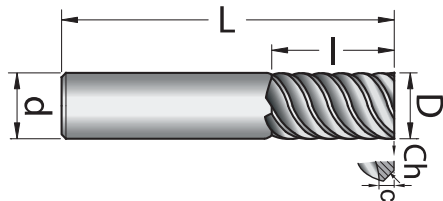
CEOC.FG.	CEOC.FB.	D	d	l	L	Z	c	Ch
		h6	h6					45°
01200.0255	01200.0255	12	12	48	100	5	11,5	0,25
01200.0555	01200.0555	12	12	48	100	5	11,5	0,5
01200.1055	01200.1055	12	12	48	100	5	11,5	1
01200.2055	01200.2055	12	12	48	100	5	11,5	2
01600.0575	01600.0575	16	16	64	125	5	15	0,5
01600.1075	01600.1075	16	16	64	125	5	15	1
01600.2075	01600.2075	16	16	64	125	5	15	2
01600.2575	01600.2575	16	16	64	125	5	15	2,5

CEOC.FG.	CEOC.FB.	D	d	l	L	Z	c	Ch
		-0,02 -0,04	h6					45°
01600.3075	01600.3075	16	16	64	125	5	15	3
01600.4075	01600.4075	16	16	64	125	5	15	4
02000.0595	02000.0595	20	20	80	150	5	19	0,5
02000.1095	02000.1095	20	20	80	150	5	19	1
02000.2095	02000.2095	20	20	80	150	5	19	2
02000.2595	02000.2595	20	20	80	150	5	19	2,5
02000.3095	02000.3095	20	20	80	150	5	19	3
02000.4095	02000.4095	20	20	80	150	5	19	4



TiSiN H1 H2
AlTiN-1 H1 H2

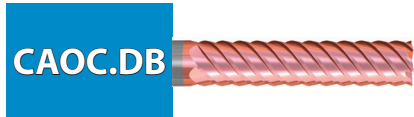
HSC



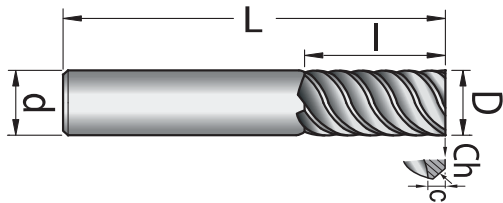
MD ESM RK NORM SERIE N RK TYP 55° HELIX DIN 6535-HA
MQL

CAOB.DB.	CAOB.DE.	D	d	l	L	Z	c	Ch
		-0,02 -0,04	h6					45°
00300	00300	3	6	10	60	4	0,25	0,15
00400	00400	4	6	10	60	4	0,25	0,15
00500	00500	5	6	10	60	4	0,25	0,15
00600	00600	6	6	12	60	6	0,25	0,15
00800	00800	8	8	16	75	6	0,25	0,15

CAOB.DB.	CAOB.DE.	D	d	l	L	Z	c	Ch
		-0,02 -0,04	h6					45°
01000	01000	10	10	20	80	6	0,25	0,15
01200	01200	12	12	25	100	6	0,25	0,15
01600	01600	16	16	32	105	6	0,35	0,2
02000.20	02000.20	20	20	40	110	8	0,35	0,2
02500	02500	25	25	45	121	8	0,35	0,2



HSC

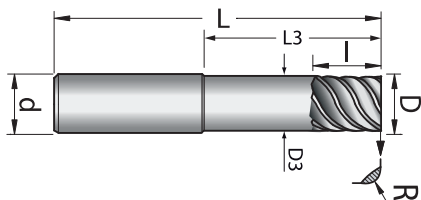


CAOC.DB.	CAOC.DE.	D	d	l	L	Z	c	Ch
		-0,02 -0,04	h6					45°
00600	00600	6	6	25	70	6	0,25	0,15
00800	00800	8	8	40	100	6	0,25	0,15
01000	01000	10	10	45	100	6	0,25	0,15
01200	01200	12	12	55	110	6	0,25	0,15

CAOC.DB.	CAOC.DE.	D	d	l	L	Z	c	Ch
		-0,02 -0,04	h6					45°
01600	01600	16	16	70	140	6	0,35	0,2
02000.20	02000.20	20	20	80	160	8	0,35	0,2
02500	02500	25	25	90	164	8	0,35	0,2

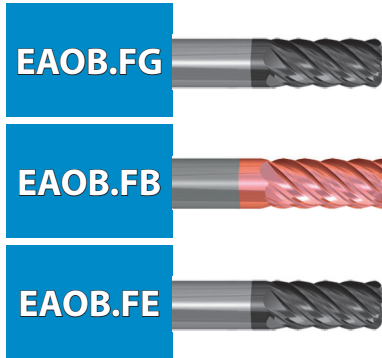


HSC



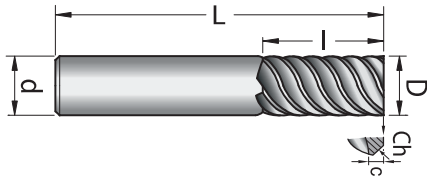
CAOE.DB.	D	d	l	L	Z	D3	L3	R
	e8	h6						±0,007
006002105	6	6	6	60	6	5,5	21	5,5
006002110	6	6	6	60	6	5,5	21	5,5
008002705	8	8	8	63	6	7,5	27	7,5
008002710	8	8	8	63	6	7,5	27	7,5
008002715	8	8	8	63	6	7,5	27	7,5
010003205	10	10	10	72	6	9,5	32	9,5
010003210	10	10	10	72	6	9,5	32	9,5
010003215	10	10	10	72	6	9,3	32	9,3

CAOE.DB.	D	d	l	L	Z	D3	L3	R
	e8	h6						±0,007
012003805	12	12	12	83	6	11	38	11
012003810	12	12	12	83	6	11	38	11
012003815	12	12	12	83	6	11	38	11
012003820	12	12	12	83	6	11	38	11
016004410	16	16	16	92	6	15	44	15
016004415	16	16	16	92	6	15	44	15
016004420	16	16	16	92	6	15	44	15
016004425	16	16	16	92	6	15	44	15



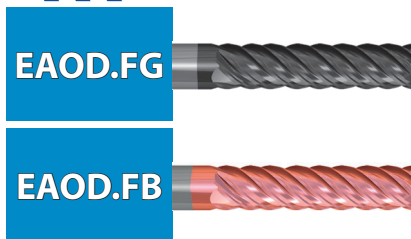
TiAlN-2	P1	K5	N8	H1
TiSiN	M3	S2	S4	
AlTiN-1	M3	S2	S4	

HPC



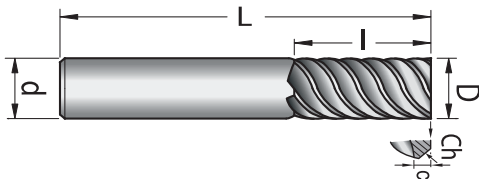
MD MG 10	DIN 6527L NORM	SERIE N	RK TYP		44°÷46° HELIX	DIN 6535-HA
	MQL					

EAOB.FG.	EAOB.FB.	EAOB.FE.	D	d	l	L	Z	c	Ch
			h9	h6					45°
00600	00600	00600	6	6	13	57	6	0,15	0,15
00800	00800	00800	8	8	19	63	6	0,15	0,15
01000	01000	01000	10	10	22	72	6	0,15	0,15
01200	01200	01200	12	12	26	83	6	0,15	0,15
01400	01400	01400	14	14	26	83	6	0,2	0,2
01600	01600	01600	16	16	32	92	6	0,2	0,2
01800	01800	01800	18	18	32	92	6	0,2	0,2
02000.20	02000.20	02000.20	20	20	38	104	6	0,2	0,2
02500	02500	02500	25	25	45	121	6	0,2	0,2



TiAlN-2	P1	K5	N8	H1
TiSiN	M3	S2	S4	

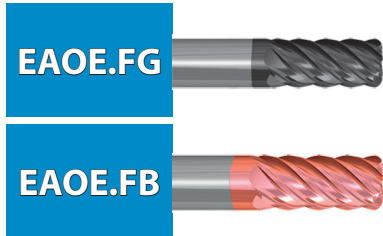
HPC



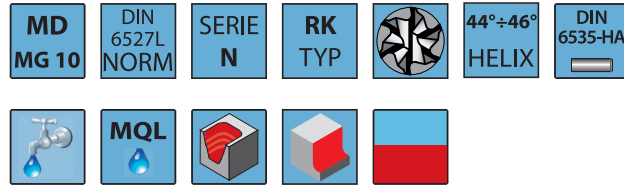
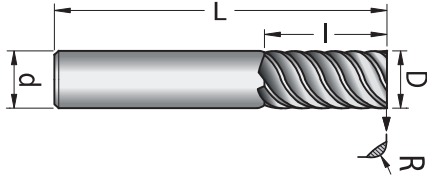
MD MG 10	RK NORM	SERIE L	RK TYP		44°÷46° HELIX	DIN 6535-HA
	MQL					

EAOD.FG.	EAOD.FB.	D	d	l	L	Z	c	Ch
		h9	h6					45°
01000	01000	10	10	40	80	6	0,15	0,15
01200	01200	12	12	50	100	6	0,15	0,15
01400	01400	14	14	50	100	6	0,2	0,2
01600	01600	16	16	60	110	6	0,2	0,2

EAOD.FG.	EAOD.FB.	D	d	l	L	Z	c	Ch
		h9	h6					45°
01800	01800	18	18	60	110	6	0,2	0,2
02000.20	02000.20	20	20	70	125	6	0,2	0,2
02500	02500	25	25	80	150	6	0,2	0,2

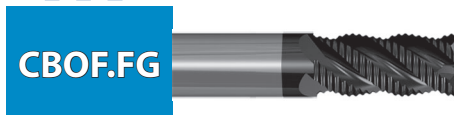


HPC

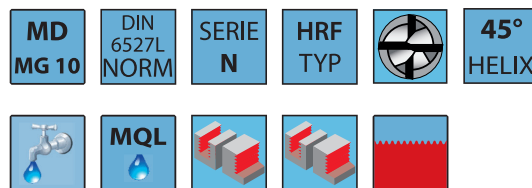
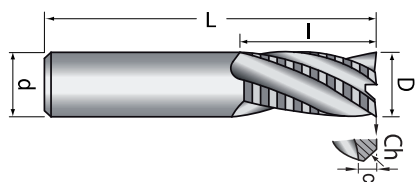


EAOE.FG.	EAOE.FB.	D	d	l	L	Z	R
		h9	h6				±0,01
006000005	006000005	6	6	13	57	6	0,5
006000010	006000010	6	6	13	57	6	1
008000005	008000005	8	8	19	63	6	0,5
008000010	008000010	8	8	19	63	6	1
008000015	008000015	8	8	19	63	6	1,5
010000005	010000005	10	10	22	72	6	0,5
010000010	010000010	10	10	22	72	6	1
010000015	010000015	10	10	22	72	6	1,5
012000005	012000005	12	12	26	83	6	0,5
012000010	012000010	12	12	26	83	6	1
012000015	012000015	12	12	26	83	6	1,5

EAOE.FG.	EAOE.FB.	D	d	l	L	Z	R
		h9	h6				±0,01
012000020	012000020	12	12	26	83	6	2
016000005	016000005	16	16	32	92	6	0,5
016000010	016000010	16	16	32	92	6	1
016000015	016000015	16	16	32	92	6	1,5
016000020	016000020	16	16	32	92	6	2
016000025	016000025	16	16	32	92	6	2,5
020000005	020000005	20	20	38	104	6	0,5
020000010	020000010	20	20	38	104	6	1
020000020	020000020	20	20	38	104	6	2
020000025	020000025	20	20	38	104	6	2,5
020000030	020000030	20	20	38	104	6	3



HPC



CBOF.FG.	D	d	l	L	Z	c	Ch
	h10	h6					45°
00600	6	6	13	57	4	0,2	0,2
00800	8	8	19	63	4	0,25	0,25
01000	10	10	22	72	4	0,3	0,25
01200	12	12	26	83	4	0,35	0,3

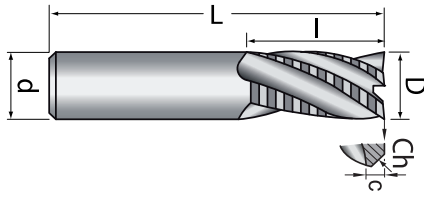
CBOF.FG.	D	d	l	L	Z	c	Ch
	h10	h6					45°
01400	14	14	26	83	4	0,4	0,3
01600	16	16	32	92	5	0,5	0,4
01800	18	18	32	92	5	0,55	0,45
02000	20	20	38	104	6	0,6	0,5

EDOH.FE



AlTiN-1
S2
S4

HPC



MD MG 10
DIN 6527L NORM
SERIE N
RK TYP
28°÷31°
HELIX

MQL

EDOH.FE.	D	d	l	L	Z	c	Ch
	h10	h6					45°
00600	6	6	13	57	4	0,25	0,15
00800	8	8	19	63	4	0,25	0,15
01000	10	10	22	72	4	0,25	0,15

EDOH.FE.	D	d	l	L	Z	c	Ch
	h10	h6					45°
01200	12	12	26	83	4	0,3	0,2
01600	16	16	32	92	4	0,4	0,25
02000	20	20	38	104	4	0,45	0,3

FBOH.FG



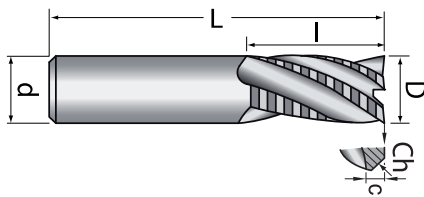
TiAlN-2
DIN 6535-HA
M3
S4

FBDH.FG



TiAlN-2
DIN 6535-HB
M3
S4

HPC



MD MG 10
DIN 6527L NORM
SERIE N
RK TYP
28°÷31°
HELIX

MQL

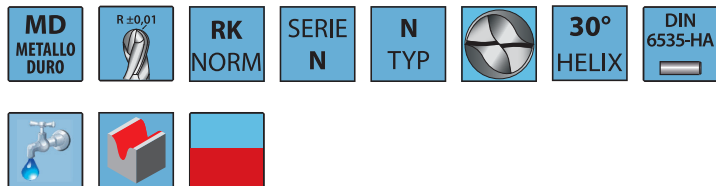
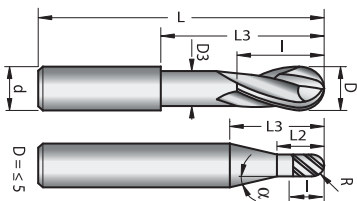
FBOH.FG.	FBDH.FG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
00600		6	6	13	57	4	0,25	0,15
00800		8	8	19	63	4	0,25	0,15
01000		10	10	22	72	4	0,25	0,15
01200		12	12	26	83	4	0,3	0,2

FBOH.FG.	FBDH.FG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
01400		14	14	26	83	4	0,3	0,2
01600	01600	16	16	32	92	6	0,4	0,25
01800		18	18	32	92	6	0,4	0,25
02000	02000	20	20	38	104	6	0,45	0,3

INHALT INDICE INDEX													
ITEM	DI0B.FO	DD00.FO	DD0A.FO	DA00.FO	DB00.FH	D00A.FH	DC0B.FO	DC0B.FH	DC0C.FO	DE0A.FO DEDA.FO	DE0C.FO DEDC.FO	DC0F.FO	DC0F.FH
Z	2	2	2	1	2	2	3		3	5		3	
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO	MD METALLO DURO
BESCHICHTUNG RIVESTIMENTO COATING	NO	NO	NO	MAX	MAX	NO	MAX	NO	NO	NO	NO	NO	MAX
NORM NORMA STANDARD	RK NORM	RK NORM	RK NORM	RK NORM	RK NORM	DIN 6527L NORM	RK NORM	RK NORM	RK NORM	RK NORM	RK NORM	RK NORM	RK NORM
SERIEN SERIE SERIE	SERIE N	SERIE N	SERIE L	SERIE N	SERIE S	SERIE N	SERIE N-XL	SERIE N-XL	SERIE N-L	SERIE XL	SERIE N	SERIE N	SERIE N
TYP TIPO TYPE	N TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP	RK TYP
FRONTANSICHT VISTA FRONTALE FRONT VIEW													
GEOMETRIE GEOMETRIA GEOMETRY													
TECNOLOGIE TECNOLOGIA TECNOLOGY	HSC	HSC	HSC	HSC	HSC	HSC	HPC	HPC	HPC	TPC HPC	HPC	HPC	HPC
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX	30° HELIX	23° HELIX	25° HELIX	45° HELIX	44°÷49° HELIX	56°÷59° HELIX	42°÷45° HELIX	38°÷40° HELIX				
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING													
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING													
Ø	2 ÷ 20	3 ÷ 25	8 ÷ 25	1,5 ÷ 12	2 ÷ 20	2 ÷ 20	4 ÷ 25	8 ÷ 20	12 ÷ 20	12 ÷ 25	6 ÷ 20		
□	1-32	1-32	1-33	1-33	1-34	1-34	1-35	1-36	1-37	1-37	1-38		
P1	Stahl / Acciaio / Steel												
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel												
K5	Gusseisen / Ghisa / Cast iron												
N7	Legierungen / Alloys / Leghe: Al + Mg	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7
N6	Legierungen / Alloys / Leghe: Cu												
N8	Sintetische Materialien / Mate- riali sintetici / Sintetic materials	N8			N8	N8	N8		N8				
N9	Graphit / Grafite / Graphite												
S2	Legierungen / Alloys / Leghe: Ti												
S4	Legierungen / Alloys / Leghe: Ni												
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC												
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC												



HSC

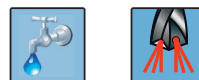
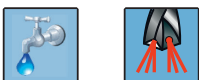
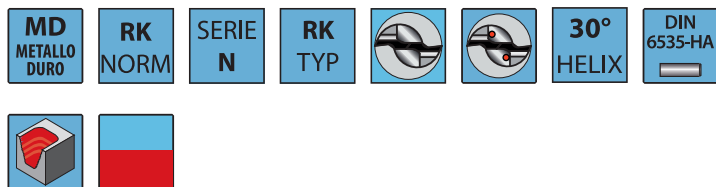
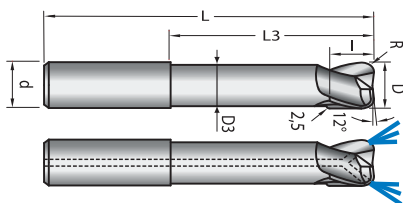


DIOB.FO.	D	d	l	L	Z	D3	L3	R	L2	α
	h9	h6						±0,01		
00200	2	6	3	57	2		21	1	5	7,1°
00300	3	6	4	57	2		21	1,5	6,5	5,9°
00400	4	6	5	57	2		21	2	8	4,4°
00500	5	6	6	57	2		21	2,5	10	2,6°
00600	6	6	7	57	2	5,7	21	3		

DIOB.FO.	D	d	l	L	Z	D3	L3	R	L2	α
	h9	h6						±0,01		
00800	8	8	9	63	2	7,7	27	4		
01000	10	10	11	72	2	9,7	32	5		
01200	12	12	12	83	2	11,5	38	6		
01600	16	16	16	92	2	15,5	47	8		
02000.20	20	20	20	104	2	19,5	54	10		

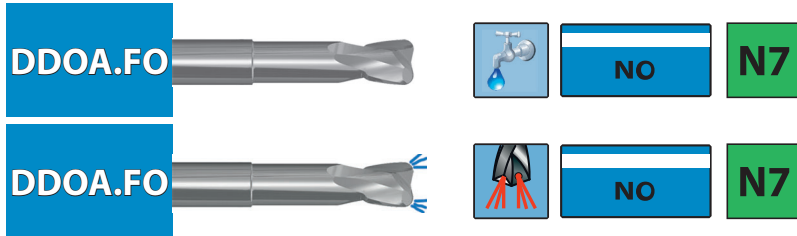


HSC

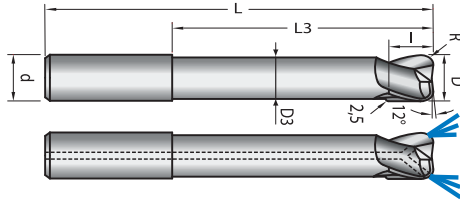


DDOO.FO.	DDOO.FO.	D	d	l	L	Z	D3	L3	R
		-0,01 -0,04	h6						±0,05
003000500		3	3	4	38	2	2,9	10	0,5
004000500		4	6	5	57	2	3,7	14	0,5
006001000		6	6	7	57	2	5,5	20	1
008002500	008002501	8	8	8	69	2	7,4	34	2,5
010002500	010002501	10	10	10	72	2	9	32	2,5
012002500	012002501	12	12	12	72	2	11,1	35	2,5
012004000	012004001	12	12	12	72	2	11,1	35	4

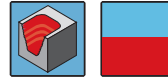
DDOO.FO.	DDOO.FO.	D	d	l	L	Z	D3	L3	R
		-0,01 -0,04	h6						±0,05
016002500	016002501	16	16	16	92	2	14,8	52	2,5
016004000	016004001	16	16	16	92	2	14,8	52	4
020002500	020002501	20	20	20	101	2	18,5	58	2,5
020004000	020004001	20	20	20	101	2	18,5	58	4
020006000	020006001	20	20	20	101	2	18,5	58	6
025004000	025004001	25	25	20	103	2	22,8	58	4



HSC



MD METALLO DURO | RK NORM | SERIE L | RK TYP | 30° HELIX | DIN 6535-HA

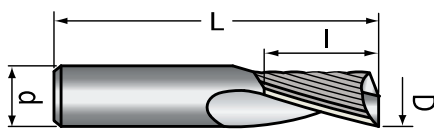


DDOA.FO.	DDOA.FO.	D -0,01 -0,04	d h6	l	L	Z	D3	L3	R ±0,05
008002500	008002501	8	8	8	81	2	7,4	46	2,5
012002500	012002501	12	12	12	81	2	11,1	44	2,5
012004000	012004001	12	12	12	81	2	11,1	44	4
016002510	016002511	16	16	16	104	2	14,8	64	2,5
016004010	016004011	16	16	16	104	2	14,8	64	4
016006010	016006011	16	16	16	104	2	14,8	64	6
016002500	016002501	16	16	16	116	2	14,8	76	2,5
016004000	016004001	16	16	16	116	2	14,8	76	4

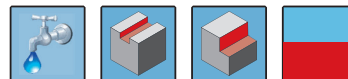
DDOA.FO.	DDOA.FO.	D -0,01 -0,04	d h6	l	L	Z	D3	L3	R ±0,05
016006000	016006001	16	16	16	116	2	14,8	76	6
020002500	020002501	20	20	20	116	2	18,5	73	2,5
020004000	020004001	20	20	20	116	2	18,5	73	4
020006000	020006001	20	20	20	116	2	18,5	73	6
020004010	020004011	20	20	20	131	2	18,5	88	4
020006010	020006011	20	20	20	131	2	18,5	88	6
025000800	025000801	25	25	20	165	2	22,8	120	0,8
025004000	025004001	25	25	20	165	2	22,8	120	4



HSC



MD METALLO DURO | RK NORM | SERIE N | RK TYP | 23° HELIX | DIN 6535-HA



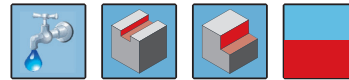
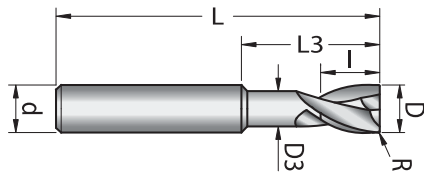
DAOO.FO.	D h10	d h6	l	L	Z
00150	1,5	3	6	50	1
00200	2	3	8	50	1
00300	3	3	12	50	1

DAOO.FO.	D h10	d h6	l	L	Z
00400	4	4	15	60	1
00500	5	5	17	60	1
00600	6	6	20	65	1

DAOO.FO.	D h10	d h6	l	L	Z
00800	8	8	22	63	1
01000	10	10	25	75	1
01200	12	12	30	80	1



HSC

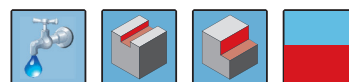
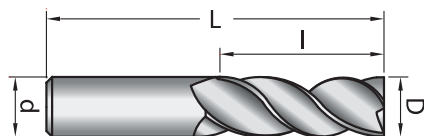


DBOO.FH.	D	d	l	L	Z	D3	L3	R
	h10	h6						±0,02
00200	2	3	3	38	2	1,9	9	0,1
00300	3	3	4	38	2	2,9	10	0,1
00400	4	6	5	54	2	3,8	14	0,1
00500	5	6	6	54	2	4,8	17	0,1
00600	6	6	7	54	2	5,7	18	0,1

DBOO.FH.	D	d	l	L	Z	D3	L3	R
	h10	h6						±0,02
00800	8	8	9	58	2	7,7	20	0,1
01000	10	10	11	66	2	9,7	24	0,1
01200	12	12	12	73	2	11,5	28	0,15
01600	16	16	16	82	2	15,5	34	0,15
02000.20	20	20	20	92	2	19,5	42	0,15



HSC



DBOA.FH.	D	d	l	L	Z
	h8	h6			
00200	2	3	7	38	2
00300	3	3	8	38	2
00400	4	6	11	57	2
00500	5	6	13	57	2
00600	6	6	13	57	2

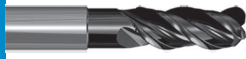
DBOA.FH.	D	d	l	L	Z
	h8	h6			
00800	8	8	19	63	2
01000	10	10	22	72	2
01200	12	12	26	83	2
01600	16	16	32	92	2
02000.20	20	20	38	104	2

DCOB.FO



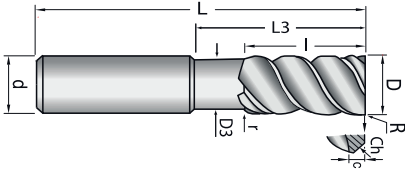
NO N7 N8

DCOB.FH



MAX N7

HPC



MD METALLO DURO RK NORM SERIE N-XL RK TYP 44°±49° HELIX DIN 6535-HA

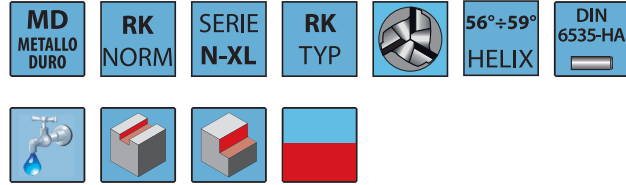
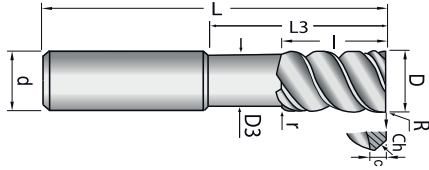
DCOB.FO.	DCOB.FH.	D h10	d h6	I	L	Z	R ±0,003	D3	L3	r	c	Ch 45°
00400.0021	00400.0021	4	6	11	57	3		3,8	21		0,2	0,08
00500.0021	00500.0021	5	6	13	57	3		4,8	21		0,2	0,1
00600.0021	00600.0021	6	6	13	57	3		5,7	21		0,2	0,15
00800.0027	00800.0027	8	8	19	63	3		7,4	27	3	0,25	0,15
00800.2527	00800.2527	8	8	19	63	3	2,5	7,4	27	3		
00800.0038	00800.0038	8	8	19	63	3		7,4	38	3	0,25	0,15
00800.2538	00800.2538	8	8	19	63	3	2,5	7,4	38	3		
01000.0032	01000.0032	10	10	22	72	3		9	32	3	0,25	0,15
01000.1032	01000.1032	10	10	22	72	3	1	9	32	3		
01000.2532	01000.2532	10	10	22	72	3	2,5	9	32	3		
01000.3032	01000.3032	10	10	22	72	3	3	9	32	3		
01000.4032	01000.4032	10	10	22	72	3	4	9	32	3		
01000.0045	01000.0045	10	10	22	80	3		9	45	3	0,25	0,15
01000.2545	01000.2545	10	10	22	80	3	2,5	9	45	3		
01200.0038	01200.0038	12	12	26	83	3		11,1	40	3	0,3	0,2
01200.1038	01200.1038	12	12	26	83	3	1	11,1	40	3		
01200.2538	01200.2538	12	12	26	83	3	2,5	11,1	40	3		
01200.3038	01200.3038	12	12	26	83	3	3	11,1	40	3		
01200.4038	01200.4038	12	12	26	83	3	4	11,1	40	3		
01200.0055	01200.0055	12	12	26	100	3		11,1	55	3	0,3	0,2
01200.1055	01200.1055	12	12	26	100	3	1	11,1	55	3		
01200.2555	01200.2555	12	12	26	100	3	2,5	11,1	55	3		
01200.3055	01200.3055	12	12	26	100	3	3	11,1	55	3		
01200.4055	01200.4055	12	12	26	100	3	4	11,1	55	3		
01600.0047	01600.0047	16	16	32	92	3		14,8	50	3	0,4	0,25
01600.1047	01600.1047	16	16	32	92	3	1	14,8	50	3		
01600.2047	01600.2047	16	16	32	92	3	2	14,8	50	3		
01600.2547	01600.2547	16	16	32	92	3	2,5	14,8	50	3		
01600.3047	01600.3047	16	16	32	92	3	3	14,8	50	3		
01600.4047	01600.4047	16	16	32	92	3	4	14,8	50	3		
01600.6047	01600.6047	16	16	32	92	3	6	14,8	50	3		
01600.0064	01600.0064	16	16	32	110	3		14,8	64	3	0,4	0,25

DCOB.FO.	DCOB.FH.	D h10	d h6	I	L	Z	R ±0,003	D3	L3	r	c	Ch 45°
01600.1064	01600.1064	16	16	32	110	3	1	14,8	64	3		
01600.2564	01600.2564	16	16	32	110	3	2,5	14,8	64	3		
01600.4064	01600.4064	16	16	32	110	3	4	14,8	64	3		
01600.6064	01600.6064	16	16	32	110	3	6	14,8	64	3		
01600.0072	01600.0072	16	16	32	116	3		14,8	72	3	0,4	0,25
01600.1072	01600.1072	16	16	32	116	3	1	14,8	72	3		
01600.2572	01600.2572	16	16	32	116	3	2,5	14,8	72	3		
01600.4072	01600.4072	16	16	32	116	3	4	14,8	72	3		
01600.5072	01600.5072	16	16	32	116	3	5	14,8	72	3		
01600.6072	01600.6072	16	16	32	116	3	6	14,8	72	3		
01600.0092	01600.0092	16	16	32	135	3		14,8	92	3	0,4	0,25
02000.0060	02000.0060	20	20	38	104	3		18,5	60	3	0,6	0,3
02000.1060	02000.1060	20	20	38	104	3	1	18,5	60	3		
02000.2560	02000.2560	20	20	38	104	3	2,5	18,5	60	3		
02000.3060	02000.3060	20	20	38	104	3	3	18,5	60	3		
02000.4060	02000.4060	20	20	38	104	3	4	18,5	60	3		
02000.6060	02000.6060	20	20	38	104	3	6	18,5	60	3		
02000.8060	02000.8060	20	20	38	104	3	8	18,5	60	3		
02000.0075	02000.0075	20	20	38	125	3		18,5	75	3	0,6	0,3
02000.2575	02000.2575	20	20	38	125	3	2,5	18,5	75	3		
02000.4075	02000.4075	20	20	38	125	3	4	18,5	75	3		
02000.6075	02000.6075	20	20	38	125	3	6	18,5	75	3		
02000.8075	02000.8075	20	20	38	125	3	8	18,5	75	3		
02000.0092	02000.0092	20	20	38	150	3		18,5	100	3	0,6	0,3
02000.2592	02000.2592	20	20	38	150	3	2,5	18,5	100	3		
02000.4092	02000.4092	20	20	38	150	3	4	18,5	100	3		
02000.6092	02000.6092	20	20	38	150	3	6	18,5	100	3		
02000.0015	02000.0015	20	20	38	165	3		18,5	115	3	0,6	0,3
02500.0065	02500.0065	25	25	45	121	3		22,5	65	3	0,6	0,35
02500.2565	02500.2565	25	25	45	121	3	2,5	22,5	65	3		
02500.4065	02500.4065	25	25	45	121	3	4	22,5	65	3		
02500.6065	02500.6065	25	25	45	121	3	6	22,5	65	3		

DCOC.FO



HPC



DCOC.FO.	D	d	l	L	Z	R	D	L3	r	c	Ch
	h10	h6									45°
00800.0037	8	8	12	70	3		7,4	37	3	0,25	0,15
00800.2537	8	8	12	70	3	2,5	7,4	37	3		
01000.0045	10	10	15	80	3		9	45	3	0,25	0,15
01000.2545	10	10	15	80	3	2,5	9	45	3		
01200.0038	12	12	26	83	3		11,1	38	3	0,3	0,2
01200.2538	12	12	26	83	3	2,5	11,1	38	3		
01200.4038	12	12	26	83	3	4	11,1	38	3		
01200.0055	12	12	18	100	3		11,1	55	3	0,3	0,2
01200.2555	12	12	18	100	3	2,5	11,1	55	3		
01200.4055	12	12	18	100	3	4	11,1	55	3		
01600.0047	16	16	24	92	3		14,8	47	3	0,4	0,25
01600.2547	16	16	24	92	3	2,5	14,8	47	3		
01600.4047	16	16	24	92	3	4	14,8	47	3		
01600.0064	16	16	24	110	3		14,8	64	3	0,4	0,25
01600.2564	16	16	24	110	3	2,5	14,8	64	3		
01600.4064	16	16	24	110	3	4	14,8	64	3		
01600.0072	16	16	13	116	3		14,8	72	3	0,4	0,25
01600.2572	16	16	13	116	3	2,5	14,8	72	3		
01600.4072	16	16	13	116	3	4	14,8	72	3		
02000.0060	20	20	28	104	3		18,5	60	3	0,6	0,3
02000.2560	20	20	28	104	3	2,5	18,5	60	3		
02000.4060	20	20	28	104	3	4	18,5	60	3		
02000.0075	20	20	28	125	3		18,5	75	3	0,6	0,3
02000.2575	20	20	28	125	3	2,5	18,5	75	3		
02000.4075	20	20	28	125	3	4	18,5	75	3		
02000.0092	20	20	15	150	3		18,5	92	3	0,6	0,3
02000.2592	20	20	15	150	3	2,5	18,5	92	3		
02000.4092	20	20	15	150	3	4	18,5	92	3		

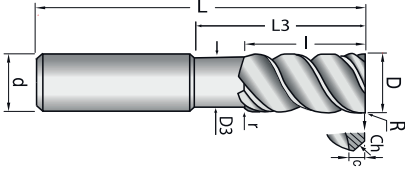
DEOA.FO



DEDA.FO



HPC



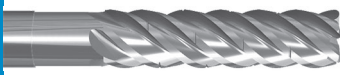
DEOA.FO.	DEDA.FO.	D	d	I	L	Z	D3	L3	R
		h10	h6						±0,003
01200.0538	01200.0538	12	12	26	83	5	11,1	38	0,5
01200.1038	01200.1038	12	12	26	83	5	11,1	38	1
01200.2038	01200.2038	12	12	26	83	5	11,1	38	2
01200.2538	01200.2538	12	12	26	83	5	11,1	38	2,5
01200.0555	01200.0555	12	12	26	100	5	11,1	55	0,5
01200.1055	01200.1055	12	12	26	100	5	11,1	55	1
01200.2055	01200.2055	12	12	26	100	5	11,1	55	2
01200.2555	01200.2555	12	12	26	100	5	11,1	55	2,5
01600.0547	01600.0547	16	16	32	92	5	14,8	47	0,5
01600.1047	01600.1047	16	16	32	92	5	14,8	47	1
01600.2047	01600.2047	16	16	32	92	5	14,8	47	2
01600.2547	01600.2547	16	16	32	92	5	14,8	47	2,5
01600.3047	01600.3047	16	16	32	92	5	14,8	47	3
01600.4047	01600.4047	16	16	32	92	5	14,8	47	4
01600.0564	01600.0564	16	16	32	110	5	14,8	64	0,5
01600.1064	01600.1064	16	16	32	110	5	14,8	64	1

DEOA.FO.	DEDA.FO.	D	d	I	L	Z	D3	L3	R
		h10	h6						±0,003
01600.2064	01600.2064	16	16	32	110	5	14,8	64	2
01600.2564	01600.2564	16	16	32	110	5	14,8	64	2,5
01600.3064	01600.3064	16	16	32	110	5	14,8	64	3
01600.4064	01600.4064	16	16	32	110	5	14,8	64	4
02000.1060	02000.1060	20	20	38	104	5	18,5	60	1
02000.2060	02000.2060	20	20	38	104	5	18,5	60	2
02000.2560	02000.2560	20	20	38	104	5	18,5	60	2,5
02000.3060	02000.3060	20	20	38	104	5	18,5	60	3
02000.4060	02000.4060	20	20	38	104	5	18,5	60	4
02000.6060	02000.6060	20	20	38	104	5	18,5	60	6
02000.1075	02000.1075	20	20	38	125	5	18,5	75	1
02000.2075	02000.2075	20	20	38	125	5	18,5	75	2
02000.2575	02000.2575	20	20	38	125	5	18,5	75	2,5
02000.3075	02000.3075	20	20	38	125	5	18,5	75	3
02000.4075	02000.4075	20	20	38	125	5	18,5	75	4
02000.6075	02000.6075	20	20	38	125	5	18,5	75	6

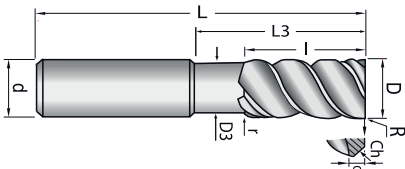
DEOC.FO



DEDC.FO

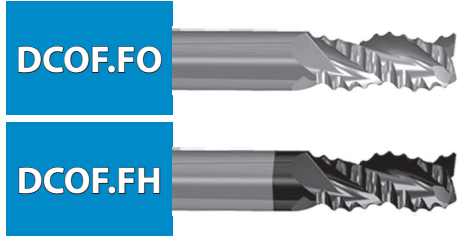


HPC

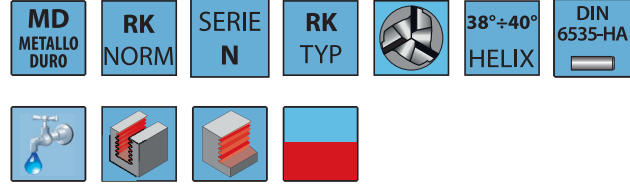
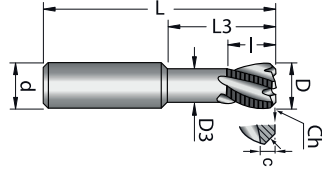


DEOC.FO.	DEDC.FH.	D	d	I	L	Z	D3	L3	R
		h10	h6						±0,003
01200.0555	01200.0555	12	12	48	100	5	11,5	55	0,5
01200.1055	01200.1055	12	12	48	100	5	11,5	55	1
01200.2055	01200.2055	12	12	48	100	5	11,5	55	2
01600.1075	01600.1075	16	16	64	125	5	15	75	1
01600.2075	01600.2075	16	16	64	125	5	15	75	2
01600.2575	01600.2575	16	16	64	125	5	15	75	2,5
01600.3075	01600.3075	16	16	64	125	5	15	75	3
01600.4075	01600.4075	16	16	64	125	5	15	75	4
02000.1099	02000.1099	20	20	80	150	5	19	100	1

DEOA.FO.	DEDA.FH.	D	d	I	L	Z	D3	L3	R
		h10	h6						±0,003
02000.2099	02000.2099	20	20	80	150	5	19	100	2
02000.2599	02000.2599	20	20	80	150	5	19	100	2,5
02000.3099	02000.3099	20	20	80	150	5	19	100	3
02000.4099	02000.4099	20	20	80	150	5	19	100	4
02000.6099	02000.6099	20	20	80	150	5	19	100	6
02500.2504	02500.2504	25	25	100	160	5	22,5	104	2,5
02500.4004	02500.4004	25	25	100	160	5	22,5	104	4
02500.6004	02500.6004	25	25	100	160	5	22,5	104	6



HPC

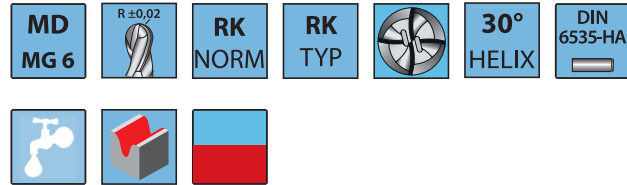
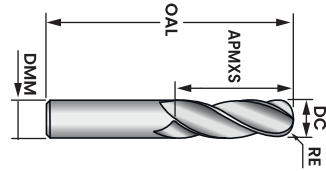


DEOA.FO.	DEDA.FO.	D	d	I	L	Z	D3	L3	R
		h10	h6						±0,003
00600	00600	6	6	10	57	3	5,7	21	0,3
00800	00800	8	8	16	63	3	7,7	27	0,4
01000	01000	10	10	19	72	3	9,7	32	0,4
01200	01200	12	12	22	83	3	11,5	38	0,5
01600	01600	16	16	29	92	3	15,5	47	0,5
02000	02000	20	20	32	104	3	19,5	54	0,6

INHALT INDICE INDEX								
ITEM	B100.BF	B10A.BF	B10B.BF	B10C.BF	B800.BF	B80A.BF	B80B.BF	B80C.BF
Z	4	4	4	4	4	4	4	4
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 6		MD MG 6		MD MG 6		MD MG 6	
BESCHICHTUNG RIVESTIMENTO COATING	DIAMOND		DIAMOND		DIAMOND		DIAMOND	
NORM NORMA STANDARD	RK NORM		RK NORM		RK NORM		RK NORM	
SERIEN SERIE SERIE	SERIE N	SERIE L	SERIE L	SERIE XL	SERIE N	SERIE L	SERIE L	SERIE XL
TYP TIPO TYPE	RK TYP		RK TYP		RK TYP		RK TYP	
FRONTANSICHT VISTA FRONTALE FRONT VIEW								
GEOMETRIE GEOMETRIA GEOMETRY								
TECNOLOGIE TECNOLOGIA TECNOLOGY	HSC		HSC		HSC		HSC	
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX		30° HELIX		30° HELIX		30° HELIX	
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING								
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING								
Ø	4 ÷ 12	4 ÷ 12	4 ÷ 12	6 ÷ 12	4 ÷ 12	4 ÷ 12	4 ÷ 8	6 ÷ 12
□	1-40	1-40	1-40	1-40	1-41	1-41	1-41	1-41
P1	Stahl / Acciaio / Steel							
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel							
K5	Gusseisen / Ghisa / Cast iron							
N7	Legierungen / Alloys / Leghe: Al + Mg							
N6	Legierungen / Alloys / Leghe: Cu							
N8	Sintetische Materialien / Materiali sintetici / Synthetic materials							
N9	N-9	N-9	N-9	N-9	N-9	N-9	N-9	N-9
S2	Legierungen / Alloys / Leghe: Ti							
S4	Legierungen / Alloys / Leghe: Ni							
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC							
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC							



HSC

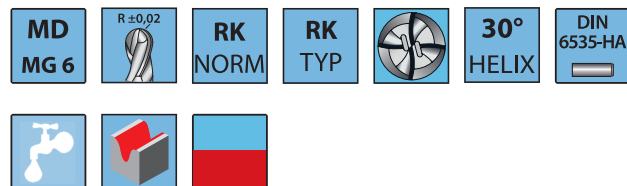
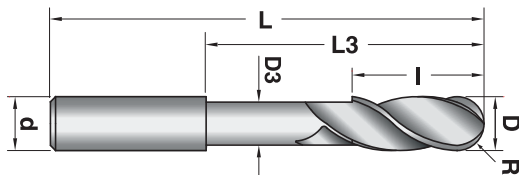


BIOO.BF.	D	d	l	L	Z	R
	h9	h6				±0,02
00400	4	4	12	40	4	2
00500	5	5	14	50	4	2,5
00600	6	6	16	50	4	3
00800	8	8	20	60	4	4
01000	10	10	22	70	4	5
01200	12	12	25	75	4	6

BIOA.BF.	D	d	l	L	Z	R
	h9	h6				±0,02
00400	4	4	30	100	4	2
00500	5	5	35	100	4	2,5
00600	6	6	40	100	4	3
00800	8	8	45	100	4	4
01000	10	10	45	100	4	5
01200	12	12	45	100	4	6



HSC



BIOB.BF.	D	d	l	L	Z	D3	L3	R
	h9	h6						±0,02
00400	4	4	15	100	4	3,9	30	2
00500	5	5	15	100	4	4,9	40	2,5
00600	6	6	20	100	4	5,8	50	3
00800	8	8	20	100	4	7,7	60	4
01000	10	10	20	150	4	9,7	70	5
01200	12	12	22	150	4	11,7	75	6

BIOC.BF.	D	d	l	L	Z	D3	L3	R
	h9	h6						±0,02
00600	6	6	50	150	4	5,8	100	3
00800	8	8	50	150	4	7,7	100	4
01000	10	10	60	150	4	9,7	100	5
01200	12	12	60	150	4	11,7	100	6

BBOO.BF



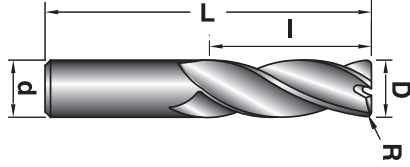
SERIE **N** DIAMOND **N9**

BBOA.BF



SERIE **L** DIAMOND **N9**

HSC



MD MG 6 RK NORM RK TYP 30° HELIX DIN 6535-HA

BBOO.BF.	D	d	l	L	Z	R
	h10	h6				±0,02
00400	4	4	12	40	4	0,2
00500	5	5	14	50	4	0,3
00600	6	6	16	50	4	0,3
00800	8	8	20	60	4	0,5
01000	10	10	22	70	4	0,5
01200	12	12	25	75	4	0,5

BBOA.BF.	D	d	l	L	Z	R
	h10	h6				±0,02
00400	4	4	30	100	4	0,2
00500	5	5	35	100	4	0,3
00600	6	6	40	100	4	0,3
00800	8	8	45	100	4	0,5
01000	10	10	45	100	4	0,5
01200	12	12	45	100	4	0,5

BBOB.BF



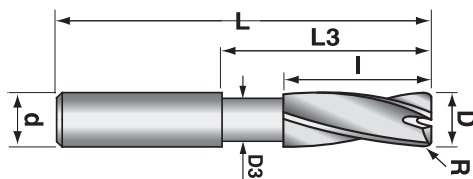
SERIE **L** DIAMOND **N9**

BBOC.BF



SERIE **XL** DIAMOND **N9**

HSC



MD MG 6 RK NORM RK TYP 30° HELIX DIN 6535-HA

BBOB.BF.	D	d	l	L	Z	D3	L3	R
	h10	h6						±0,02
004003003	4	4	10	100	4	3,8	30	0,3
004003005	4	4	10	100	4	3,8	30	0,5
006005003	6	6	15	100	4	5,8	50	0,3
006005005	6	6	15	100	4	5,8	50	0,5
008006003	8	8	15	100	4	7,7	60	0,3
008006005	8	8	15	100	4	7,7	60	0,5

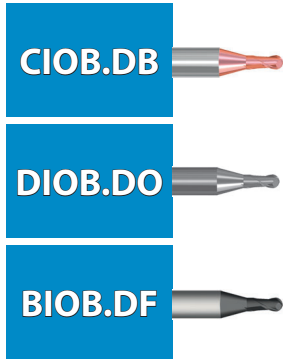
BBOC.BF.	D	d	l	L	Z	D3	L3	R
	h10	h6						±0,02
00600	6	6	50	150	4	5,8	100	0,3
00800	8	8	50	150	4	7,7	100	0,5
008006003	8	8	15	150	4	7,7	60	0,3
01000	10	10	60	150	4	9,7	100	0,5
01200	12	12	60	150	4	11,7	100	0,5

INHALT INDICE INDEX										
ITEM	C10B.DB	C10D.DB	C10C.DB	C100.DB	C10A.DB	C100.DB	C10A.DB	C10D.DB	C10D.DB	CH00.DC
Z	2	2	2	2	2	2	2	4	4	2
ROHATERIAL MATERIALE RAW MATERIAL	MD ESM									
BESCHICHTUNG RIVESTIMENTO COATING	TiSiN								AlTiN-3	
NORM NORMA STANDARD	RK NORM									
SERIEN SERIE SERIE	SERIE N	SERIE XL	SERIE XL	SERIE N	SERIE XL	SERIE N	SERIE XL	SERIE XL	SERIE XL	SERIE N
TYP TIPO TYPE	RK TYP									
FRONTANSICHT VISTA FRONTALE FRONT VIEW										
GEOMETRIE GEOMETRIA GEOMETRY										
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX								10° HELIX	
SCHAFT GAMBO SHANK	DIN 6535-HA 									
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING										
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING										
Ø	0,2 ÷ 3	0,2 ÷ 3	1 ÷ 3	0,1 ÷ 3	0,2 ÷ 3	0,5 ÷ 3	0,5 ÷ 3	1 ÷ 3	1 ÷ 3	0,6 ÷ 3
□	1-44	1-45	1-46	1-47	1-48	1-50	1-51	1-49	1-52	1-53
P1	Stahl / Acciaio / Steel	P1	P1	P1	P1	P1	P1	P1	P1	P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel	M3	M3	M3	M3	M3	M3	M3	M3	M3
K5	Gusseisen / Ghisa / Cast iron	K5	K5	K5	K5	K5	K5	K5	K5	K5
N7	Legierungen / Alloys / Leghe: Al + Mg									
N6	Legierungen / Alloys / Leghe: Cu	N6	N6	N6	N6	N6	N6	N6	N6	N6
N8	Sintetische Materialien / Materiali sintetici / Synthetic materials	N8	N8	N8	N8	N8	N8	N8	N8	N8
N9	Graphit / Grafite / Graphite									
S2	Legierungen / Alloys / Leghe: Ti	S2	S2	S2	S2	S2	S2	S2	S2	S2
S4	Legierungen / Alloys / Leghe: Ni	S4	S4	S4	S4	S4	S4	S4	S4	S4
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC	H1	H1	H1	H1	H1	H1	H1	H1	H1
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC	H2	H2	H2	H2	H2	H2	H2	H2	H2

MINI-MILL

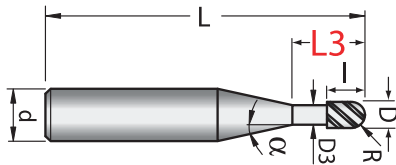
DIOB.DO	DIOD.DO	DIOC.DO	DB00.DO	DB0A.DO	DD00.DO	DD0A.DO
2	2	2	2	2	2	2
			MD ESM			
			NO			
			RK NORM			
SERIE N	SERIE XL	SERIE XL	SERIE N	SERIE XL	SERIE N	SERIE XL
			RK TYP			
			30° HELIX			
			DIN 6535-HA			
0,2 ÷ 3	0,2 ÷ 3	1 ÷ 3	0,1 ÷ 3	0,2 ÷ 3	0,5 ÷ 3	0,5 ÷ 3
1-44	1-45	1-46	1-47	1-48	1-50	1-51
N7						
N8						

BIOB.DF	BIOD.DF	BIOC.DF	BBO0.DF	BBOA.DF	BDO0.DF	BDOA.DF
2	2	2	2	2	2	2
			MD ESM			
			DIAMOND			
			RK NORM			
SERIE N	SERIE XL	SERIE XL	SERIE N	SERIE XL	SERIE N	SERIE XL
			RK TYP			
			30° HELIX			
			DIN 6535-HA			
0,2 ÷ 3	0,2 ÷ 3	1 ÷ 3	0,1 ÷ 3	0,2 ÷ 3	0,5 ÷ 3	0,5 ÷ 3
1-44	1-45	1-46	1-47	1-48	1-50	1-51
N9						



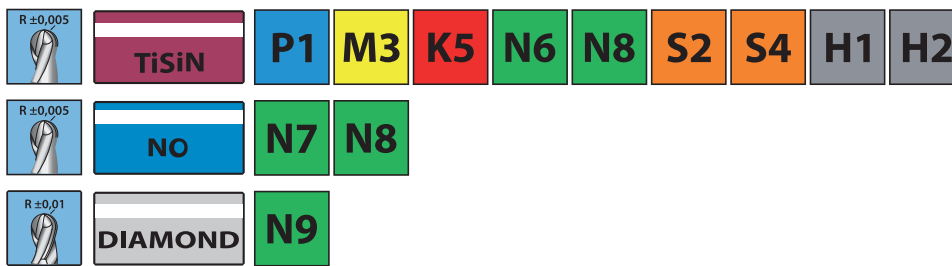
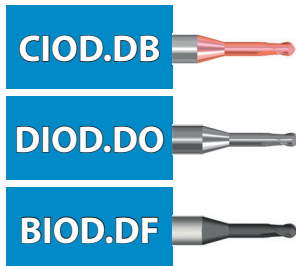
R±0,005	TiSiN	P1	M3	K5	N6	N8	S2	S4	H1	H2	
R±0,005	NO	N7	N8								
R±0,01	DIAMOND	N9									

HSC

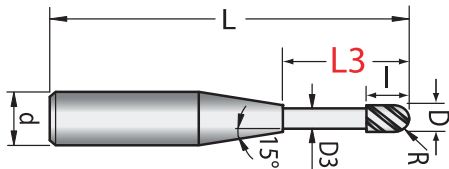


MD ESM	RK NORM	SERIE N	RK TYP		30° HELIX	DIN 6535-HA
	Luft Aria Air	MQL				

CIOB.DB.	DIOB.DO.	BIOB.DF.	D	d	l	L	Z	D3	L3	R	α
			+0,005 -0,015	h6							
00020.012C	00020.012C		0,2	3	0,4	38	2			0,1	15°
00030.014C	00030.014C		0,3	3	0,4	38	2			0,15	15°
00040.0106	00040.0106		0,4	6	0,4	60	2	0,35	1	0,2	25°
00040.015C	00040.015C	00040.015C	0,4	4	0,5	50	2	0,35	1,5	0,2	15°
00050.015C	00050.015C	00050.015C	0,5	4	0,6	50	2	0,45	1,5	0,25	15°
00060.0156	00060.0156		0,6	6	0,6	60	2	0,55	1,5	0,3	25°
00060.020C	00060.020C	00060.020C	0,6	4	0,9	50	2	0,55	2	0,3	15°
00060.040C	00060.040C	00060.040C	0,6	4	0,9	50	2	0,55	4	0,3	15°
00070.020C	00070.020C	00070.020C	0,7	4	1	50	2	0,65	2	0,35	15°
00080.0206	00080.0206		0,8	6	0,8	60	2	0,75	2	0,4	25°
00080.020C	00080.020C	00080.020C	0,8	4	1,2	50	2	0,75	2	0,4	15°
100	100	100	1	4	2,5	50	2			0,5	15°
00100.0256	00100.0256		1	6	1	60	2	0,95	2,5	0,5	25°
00100.025C	00100.025C	00100.025C	1	4	1,3	50	2	0,95	2,5	0,5	15°
00120.025C	00120.025C	00120.025C	1,2	4	1,5	50	2	1,15	2,5	0,6	15°
00140.030C	00140.030C	00140.030C	1,4	4	1,7	50	2	1,35	3	0,7	15°
150	150	150	1,5	4	2,5	50	2			0,75	15°
00150.0406	00150.0406		1,5	6	1,5	60	2	1,45	4	0,75	25°
00150.040C	00150.040C	00150.040C	1,5	4	1,8	50	2	1,45	4	0,75	15°
00150.06	00150.06	00150.06	1,5	6	4	50	2			0,75	15°
00160.040C	00160.040C	00160.040C	1,6	4	1,9	50	2	1,55	4	0,8	15°
00180.050C	00180.050C	00180.050C	1,8	4	2	50	2	1,75	5	0,9	15°
200	200	200	2	6	3	50	2			1	15°
00200.0604	00200.0604	00200.0604	2	4	2,5	50	2	1,95	6	1	15°
00200.060C	00200.060C	00200.060C	2	6	2,5	50	2	1,95	6	1	15°
00200.0804	00200.0804	00200.0804	2	4	2,5	50	2	1,95	8	1	15°
00200.1004	00200.1004	00200.1004	2	4	2,5	50	2	1,95	10	1	15°
00200.1204	00200.1204	00200.1204	2	4	2,5	50	2	1,95	12	1	15°
00200.1404	00200.1404	00200.1404	2	4	2,5	50	2	1,95	14	1	15°
00200.1604	00200.1604	00200.1604	2	4	2,5	50	2	1,95	16	1	15°
00200.2004	00200.2004	00200.2004	2	4	2,5	50	2	1,95	20	1	15°
00250.060C	00250.060C	00250.060C	2,5	6	3	60	2	2,45	6	1,25	15°
300	300	300	3	6	5	60	2			1,5	15°
00300.080C	00300.080C	00300.080C	3	6	4	60	2	2,95	8	1,5	15°



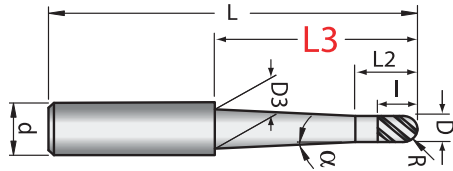
HSC



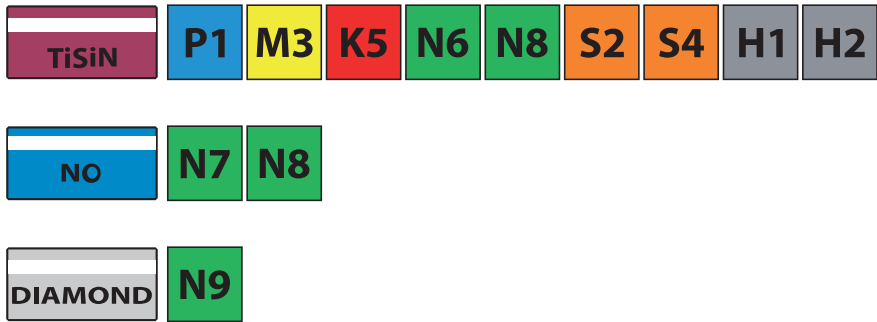
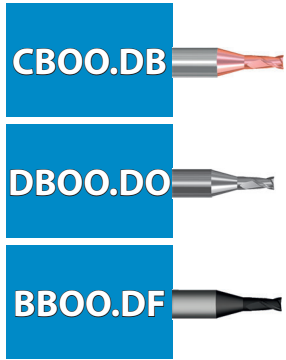
CIOD.DB.	DIOD.DO.	BIOD.DF.	D	d	l	L	Z	D3	L3	R
			+0,005 -0,015	h6						
00020022C	00020022C		0,2	3	0,4	38	2	0,15	1,2	0,1
00030024C	00030024C		0,3	3	0,4	38	2	0,25	1,4	0,15
00040025C	00040025C	00040025C	0,4	4	0,5	60	2	0,35	2,5	0,2
00050025C	00050025C	00050025C	0,5	4	0,6	60	2	0,45	2,5	0,25
00050050C	00050050C	00050050C	0,5	4	0,6	60	2	0,45	5	0,25
00050100C	00050100C	00050100C	0,5	4	0,6	60	2	0,45	10	0,25
00060060C	00060060C	00060060C	0,6	4	0,9	60	2	0,55	6	0,3
00060080C	00060080C	00060080C	0,6	4	0,9	60	2	0,55	8	0,3
00080040C	00080040C	00080040C	0,8	4	1,2	60	2	0,75	4	0,4
00080080C	00080080C	00080080C	0,8	4	1,2	60	2	0,75	8	0,4
00100040C	00100040C	00100040C	1	4	1,3	60	2	0,95	4	0,5
00100060C	00100060C	00100060C	1	4	1,3	60	2	0,95	6	0,5
00100080C	00100080C	00100080C	1	4	1,3	60	2	0,95	8	0,5
00100100C	00100100C	00100100C	1	4	1,3	60	2	0,95	10	0,5
00100120C	00100120C	00100120C	1	4	1,3	60	2	0,95	12	0,5
00100150C	00100150C	00100150C	1	4	1,3	60	2	0,95	15	0,5
00100200C	00100200C	00100200C	1	4	1,3	60	2	0,95	20	0,5
00120060C	00120060C	00120060C	1,2	4	1,5	60	2	1,15	6	0,6
00120120C	00120120C	00120120C	1,2	4	1,5	60	2	1,15	12	0,6
00120150C	00120150C	00120150C	1,2	4	1,5	60	2	1,15	15	0,6
00120200C	00120200C	00120200C	1,2	4	1,5	60	2	1,15	20	0,6
00120250C	00120250C	00120250C	1,2	4	1,5	60	2	1,15	25	0,6
00140060C	00140060C	00140060C	1,4	4	1,7	60	2	1,35	6	0,7
00140120C	00140120C	00140120C	1,4	4	1,7	60	2	1,35	12	0,7
00150060C	00150060C	00150060C	1,5	4	1,8	60	2	1,45	6	0,75
00150080C	00150080C	00150080C	1,5	4	1,8	60	2	1,45	8	0,75
00150100C	00150100C	00150100C	1,5	4	1,8	60	2	1,45	10	0,75
00150120C	00150120C	00150120C	1,5	4	1,8	60	2	1,45	12	0,75
00150150C	00150150C	00150150C	1,5	4	1,8	60	2	1,45	15	0,75
00150200C	00150200C	00150200C	1,5	4	1,8	60	2	1,45	20	0,75
00150250C	00150250C	00150250C	1,5	4	1,8	60	2	1,45	25	0,75
00160080C	00160080C	00160080C	1,6	4	1,9	60	2	1,55	8	0,8
00160150C	00160150C	00160150C	1,6	4	1,9	60	2	1,55	15	0,8
00180100C	00180100C	00180100C	1,8	4	2	60	2	1,75	10	0,9
00180160C	00180160C	00180160C	1,8	4	2	60	2	1,75	16	0,9
002003004	002003004	002003004	2	4	2,5	70	2	1,95	30	1
002004004	002004004	002004004	2	4	2,5	70	2	1,95	40	1
00200080C	00200080C	00200080C	2	6	2,5	60	2	1,95	8	1
00200100C	00200100C	00200100C	2	6	2,5	60	2	1,95	10	1
00200120C	00200120C	00200120C	2	6	2,5	60	2	1,95	12	1
00200160C	00200160C	00200160C	2	6	2,5	60	2	1,95	16	1
00200200C	00200200C	00200200C	2	6	2,5	60	2	1,95	20	1
00200250C	00200250C	00200250C	2	6	2,5	60	2	1,95	25	1
00200300C	00200300C	00200300C	2	6	2,5	60	2	1,95	30	1
00250120C	00250120C	00250120C	2,5	6	3	60	2	2,45	12	1,25
00250200C	00250200C	00250200C	2,5	6	3	60	2	2,45	20	1,25
00300100C	00300100C	00300100C	3	6	4	60	2	2,95	10	1,5
00300120C	00300120C	00300120C	3	6	4	60	2	2,95	12	1,5
00300150C	00300150C	00300150C	3	6	4	60	2	2,95	15	1,5
00300200C	00300200C	00300200C	3	6	4	60	2	2,95	20	1,5
00300250C	00300250C	00300250C	3	6	4	60	2	2,95	25	1,5
00300300C	00300300C	00300300C	3	6	4	70	2	2,95	30	1,5
00300350C	00300350C	00300350C	3	6	4	70	2	2,95	35	1,5

CIOC.DB												
DIOC.DO												
BIOC.DF												

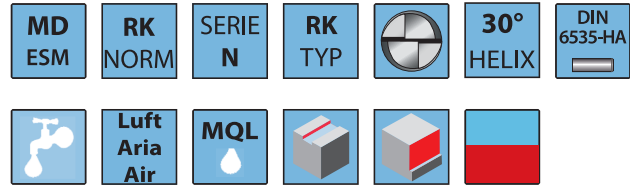
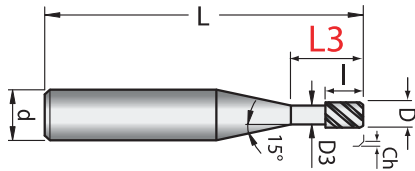
HSC



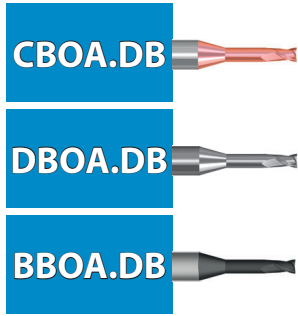
CIOC.DB.	DIOC.DO.	BIOC.DF.	D	d	l	L	Z	R	D3	L3	L2	α
			+0,005 -0,015	h6				±0,01				
00100.015A	00100.015A	00100.015A	1	4	2,5	60	2	0,5	1,8	20	4	1,5°
00100.030A	00100.030A	00100.030A	1	4	2,5	60	2	0,5	4	32,6	4	3°
00100.050A	00100.050A	00100.050A	1	4	2,5	60	2	0,5	4	21,1	4	5°
00150.030A	00150.030A	00150.030A	1,5	4	2,5	60	2	0,75	4	27,9	4	3°
00200.015A	00200.015A	00200.015A	2	6	3	70	2	1	2,8	20	5	1,5°
00200.030A	00200.030A	00200.030A	2	6	3	70	2	1	6	43,2	5	3°
00200.050A	00200.050A	00200.050A	2	6	3	70	2	1	6	27,9	5	5°
00300.015A	00300.015A	00300.015A	3	6	5	70	2	1,5	4,2	30	7	1,5°
00300.030A	00300.030A	00300.030A	3	6	5	70	2	1,5	6	35,6	7	3°



HSC



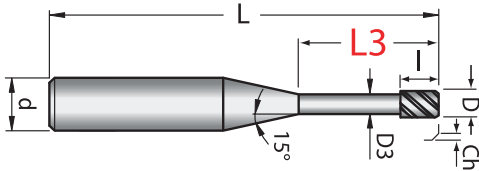
CBOO.DB.	DBOO.DO.	BBOO.DF.	D	d	l	L	Z	D3	L3	Ch
			+0,005 -0,015	h6						45°
00010.010C	00010.010C		0,1	3	0,3	38	2			0,005
00020.012C	00020.012C		0,2	3	0,4	38	2			0,005
00030.014C	00030.014C		0,3	3	0,4	38	2			0,005
00040.015C	00040.015C	00040.015C	0,4	4	0,5	50	2	0,35	1,5	0,020
00050.015C	00050.015C	00050.015C	0,5	4	0,6	50	2	0,45	1,5	0,020
00060.020C	00060.020C	00060.020C	0,6	4	0,9	50	2	0,55	2	0,020
00070.020C	00070.020C	00070.020C	0,7	4	1	50	2	0,65	2	0,020
00080.020C	00080.020C	00080.020C	0,8	4	1,2	50	2	0,75	2	0,020
00090.025C	00090.025C	00090.025C	0,9	4	1,3	50	2	0,85	2,5	0,020
100	100	100	1	4	2,5	50	2			0,030
00100.025C	00100.025C	00100.025C	1	4	1,3	50	2	0,95	2,5	0,030
00100.06	00100.06	00100.06	1	6	2,5	50	2			0,030
00120.025C	00120.025C	00120.025C	1,2	4	1,5	50	2	1,15	2,5	0,030
00140.030C	00140.030C	00140.030C	1,4	4	1,7	50	2	1,35	3	0,030
150	150	150	1,5	4	2,5	50	2			0,030
00150.040C	00150.040C	00150.040C	1,5	4	1,8	50	2	1,45	4	0,030
00150.06	00150.06	00150.06	1,5	6	4	50	2			0,030
00160.040C	00160.040C	00160.040C	1,6	4	1,9	50	2	1,55	4	0,030
00180.050C	00180.050C	00180.050C	1,8	4	2	50	2	1,75	5	0,030
200	200	200	2	4	6	50	2			0,030
00200.06	00200.06	00200.06	2	6	6	50	2			0,030
00200.0604	00200.0604	00200.0604	2	4	2,5	50	2	1,95	6	0,030
00200.060C	00200.060C	00200.060C	2	6	2,5	50	2	1,95	6	0,030
00200.0804	00200.0804	00200.0804	2	4	2,5	50	2	1,95	8	0,030
00200.1004	00200.1004	00200.1004	2	4	2,5	50	2	1,95		0,030
00200.1204	00200.1204	00200.1204	2	4	2,5	50	2	1,95	12	0,030
00200.1604	00200.1604	00200.1604	2	4	2,5	50	2	1,95	16	0,030
00200.2004	00200.2004	00200.2004	2	4	2,5	50	2	1,95		0,030
00250.070C	00250.070C	00250.070C	2,5	6	3	50	2	2,45	7	0,040
300	300	300	3	6	8	50	2			0,050
00300.080C	00300.080C	00300.080C	3	6	4	50	2	2,95	8	0,050



Material compatibility chart:

- TiSiN (Purple)
- P1 (Blue)
- M3 (Yellow)
- K5 (Red)
- N6 (Green)
- N8 (Light Green)
- S2 (Orange)
- S4 (Light Orange)
- H1 (Grey)
- H2 (Light Grey)
- NO (Blue)
- N7 (Green)
- N8 (Light Green)
- DIAMOND (Grey)
- N9 (Green)

HSC



Product features and standards:

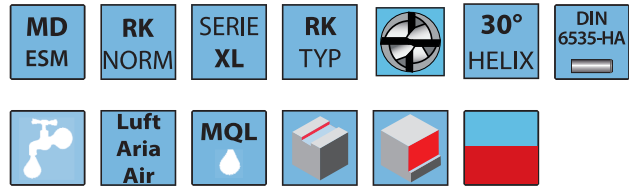
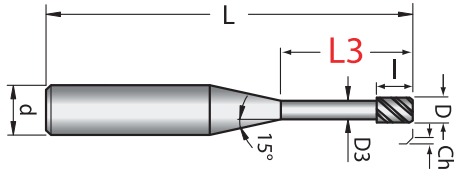
- MD (ESM)
- RK (NORM)
- SERIE (XL)
- RK (TYP)
- 30° (HELIX)
- DIN 6535-HA
- Luft (Aria) (Air)
- MQL
- Red and Blue color coding

CBOA.DB.	DBOA.DO.	BBOA.DF.	D	d	l	L	Z	D3	L3	Ch
			+0,005 -0,015	h6						45°
00020.022C	00020.022C		0,2	3	0,4	38	2	0,15	1,2	0,005
00030.024C	00030.024C		0,3	3	0,4	38	2	0,25	1,4	0,005
00040.025C	00040.025C	00040.025C	0,4	4	0,5	60	2	0,35	2,5	0,020
00050.025C	00050.025C	00050.025C	0,5	4	0,6	60	2	0,45	2,5	0,020
00050.050C	00050.050C	00050.050C	0,5	4	0,6	60	2	0,45	5	0,020
00050.100C	00050.100C	00050.100C	0,5	4	0,6	60	2	0,45	10	0,020
00060.030C	00060.030C	00060.030C	0,6	4	0,9	60	2	0,55	3	0,020
00060.060C	00060.060C	00060.060C	0,6	4	0,9	60	2	0,55	6	0,020
00080.040C	00080.040C	00080.040C	0,8	4	1,2	60	2	0,75	4	0,020
00080.080C	00080.080C	00080.080C	0,8	4	1,2	60	2	0,75	8	0,020
00100.040C	00100.040C	00100.040C	1	4	1,3	60	2	0,95	4	0,030
00100.060C	00100.060C	00100.060C	1	4	1,3	60	2	0,95	6	0,030
00100.080C	00100.080C	00100.080C	1	4	1,3	60	2	0,95	8	0,030
00100.100C	00100.100C	00100.100C	1	4	1,3	60	2	0,95	10	0,030
00100.120C	00100.120C	00100.120C	1	4	1,3	60	2	0,95	12	0,030
00100.150C	00100.150C	00100.150C	1	4	1,3	60	2	0,95	15	0,030
00100.200C	00100.200C	00100.200C	1	4	1,3	60	2	0,95	20	0,030
00120.060C	00120.060C	00120.060C	1,2	4	1,5	60	2	1,15	6	0,030
00120.120C	00120.120C	00120.120C	1,2	4	1,5	60	2	1,15	12	0,030
00120.150C	00120.150C	00120.150C	1,2	4	1,5	60	2	1,15	15	0,030
00120.200C	00120.200C	00120.200C	1,2	4	1,5	60	2	1,15	20	0,030
00120.250C	00120.250C	00120.250C	1,2	4	1,5	60	2	1,15	25	0,030
00140.060C	00140.060C	00140.060C	1,4	4	1,7	60	2	1,35	6	0,030
00140.120C	00140.120C	00140.120C	1,4	4	1,7	60	2	1,35	12	0,030
00150.060C	00150.060C	00150.060C	1,5	4	1,8	60	2	1,45	6	0,030
00150.080C	00150.080C	00150.080C	1,5	4	1,8	60	2	1,45	8	0,030
00150.100C	00150.100C	00150.100C	1,5	4	1,8	60	2	1,45	10	0,030
00150.120C	00150.120C	00150.120C	1,5	4	1,8	60	2	1,45	12	0,030
00150.150C	00150.150C	00150.150C	1,5	4	1,8	60	2	1,45	15	0,030
00150.200C	00150.200C	00150.200C	1,5	4	1,8	60	2	1,45	20	0,030
00150.250C	00150.250C	00150.250C	1,5	4	1,8	60	2	1,45	25	0,030
00160.080C	00160.080C	00160.080C	1,6	4	1,9	60	2	1,55	8	0,030
00160.150C	00160.150C	00160.150C	1,6	4	1,9	60	2	1,55	15	0,030
00180.100C	00180.100C	00180.100C	1,8	4	2	60	2	1,75	10	0,030
00180.160C	00180.160C	00180.160C	1,8	4	2	60	2	1,75	16	0,030
00200.080C	00200.080C	00200.080C	2	6	2,5	60	2	1,95	8	0,030
00200.100C	00200.100C	00200.100C	2	6	2,5	60	2	1,95	10	0,030
00200.120C	00200.120C	00200.120C	2	6	2,5	60	2	1,95	12	0,030
00200.160C	00200.160C	00200.160C	2	6	2,5	60	2	1,95	16	0,030
00200.200C	00200.200C	00200.200C	2	6	2,5	60	2	1,95	20	0,030
00200.250C	00200.250C	00200.250C	2	6	2,5	60	2	1,95	25	0,030
00250.120C	00250.120C	00250.120C	2,5	6	3	60	2	2,45	12	0,040
00250.200C	00250.200C	00250.200C	2,5	6	3	60	2	2,45	20	0,040
00300.100C	00300.100C	00300.100C	3	6	4	60	2	2,95	10	0,050
00300.120C	00300.120C	00300.120C	3	6	4	60	2	2,95	12	0,050
00300.150C	00300.150C	00300.150C	3	6	4	60	2	2,95	15	0,050
00300.200C	00300.200C	00300.200C	3	6	4	60	2	2,95	20	0,050
00300.250C	00300.250C	00300.250C	3	6	4	60	2	2,95	25	0,050
00300.300C	00300.300C	00300.300C	3	6	4	60	2	2,95	30	0,050

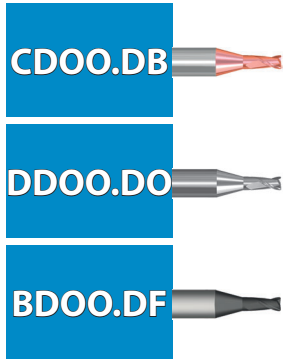
CBOD.DB 



HSC



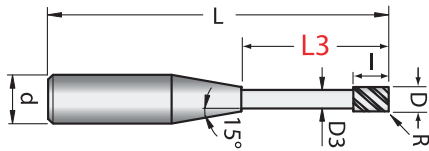
CBOD.DB.	D <small>+0,005 -0,015</small>	d <small>h6</small>	l	L	Z	D3	L3	Ch <small>45°</small>
001000404	1	4	1	50	4	0,95	4	0,03
001000604	1	4	1	50	4	0,95	6	0,03
001000804	1	4	1	50	4	0,95	8	0,03
001001004	1	4	1	50	4	0,95	10	0,03
001001204	1	4	1	50	4	0,95	12	0,03
001001604	1	4	1	50	4	0,95	16	0,03
001200604	1,2	4	1,2	50	4	1,15	6	0,03
001200804	1,2	4	1,2	50	4	1,15	8	0,03
001201004	1,2	4	1,2	50	4	1,15	10	0,03
001201204	1,2	4	1,2	50	4	1,15	12	0,03
001500604	1,5	4	1,5	50	4	1,45	6	0,03
001500804	1,5	4	1,5	50	4	1,45	8	0,03
001501004	1,5	4	1,5	50	4	1,45	10	0,03
001501204	1,5	4	1,5	50	4	1,45	12	0,03
001501604	1,5	4	1,5	50	4	1,45	16	0,03
002000604	2	4	2	50	4	1,95	6	0,03
002000804	2	4	2	50	4	1,95	8	0,03
002001004	2	4	2	50	4	1,95	10	0,03
002001204	2	4	2	50	4	1,95	12	0,03
002001604	2	4	2	50	4	1,95	16	0,03
002002004	2	4	2	50	4	1,95	20	0,03
002501004	2,5	4	2,5	50	4	2,45	10	0,04
002501204	2,5	4	2,5	50	4	2,45	12	0,04
002501604	2,5	4	2,5	50	4	2,45	16	0,04
002502004	2,5	4	2,5	50	4	2,45	20	0,04
003001006	3	6	3	60	4	2,95	10	0,05
003001206	3	6	3	60	4	2,95	12	0,05
003001606	3	6	3	60	4	2,95	16	0,05
003002006	3	6	3	60	4	2,95	20	0,05
003002506	3	6	3	70	4	2,95	25	0,05
003003006	3	6	3	70	4	2,95	30	0,05



Material compatibility chart:

- TiSiN** (Purple): P1, M3, K5, N6, N8, S2, S4, H1, H2
- NO** (Blue): N7, N8
- DIAMOND** (Grey): N9

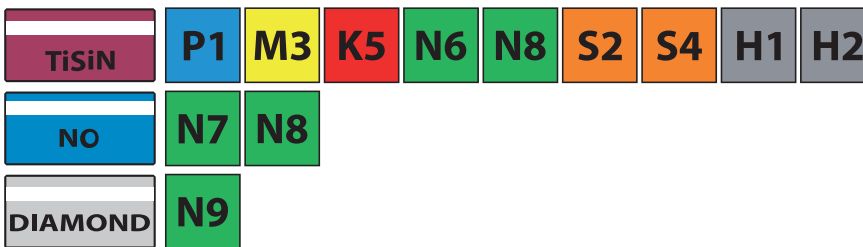
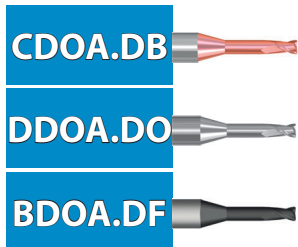
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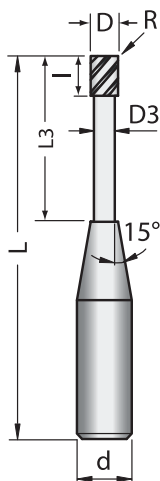
Product features and specifications:

- MD ESM, RK NORM, SERIE N, RK TYP, 30° HELIX, DIN 6535-HA
- Luft Aria Air, MQL, and a red flag icon.

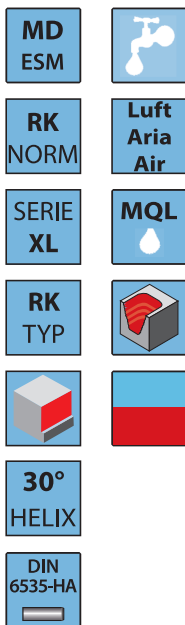
CDOO.DB.	DDOO.DO.	BDOO.DF.	D	d	l	L	Z	D3	L3	Ch
			+0,005 -0,015	h6						45°
000500151	000500151	000500151	0,5	4	0,6	50	2	0,45	1,5	0,1
001000251	001000251	001000251	1	4	1,3	50	2	0,95	2,5	0,1
001500401	001500401	001500401	1,5	4	1,8	50	2	1,45	4	0,1
002000661	002000661	002000661	2	6	2,5	50	2	1,95	6	0,1
002000602	002000602	002000602	2	4	2,5	50	2	1,95	6	0,2
002000802	002000802	002000802	2	4	2,5	50	2	1,95	8	0,2
002001002	002001002	002001002	2	4	2,5	50	2	1,95	10	0,2
002001202	002001202	002001202	2	4	2,5	50	2	1,95	12	0,2
002001602	002001602	002001602	2	4	2,5	50	2	1,95	16	0,2
002002002	002002002	002002002	2	4	2,5	50	2	1,95	20	0,2
002000663	002000663	002000663	2	6	2,5	50	2	1,95	6	0,3
002000605	002000605	002000605	2	4	2,5	50	2	1,95	6	0,5
002000805	002000805	002000805	2	4	2,5	50	2	1,95	8	0,5
002001005	002001005	002001005	2	4	2,5	50	2	1,95	10	0,5
002001205	002001205	002001205	2	4	2,5	50	2	1,95	12	0,5
002001605	002001605	002001605	2	4	2,5	50	2	1,95	16	0,5
002002005	002002005	002002005	2	4	2,5	50	2	1,95	20	0,5
002500701	002500701	002500701	2,5	6	3	50	2	2,45	7	0,1
002500703	002500703	002500703	2,5	6	3	50	2	2,45	7	0,3
003000801	003000801	003000801	3	6	4	50	2	2,95	8	0,1
003000803	003000803	003000803	3	6	4	50	2	2,95	8	0,3

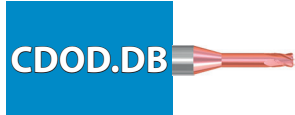


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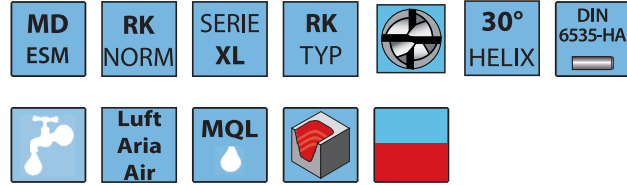
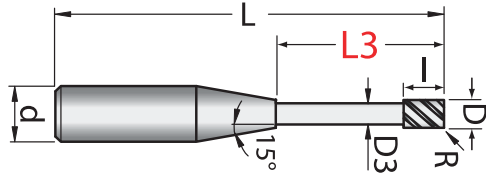


CDOA.DB.	DDOA.DO.	BDOA.DF.	D +0,005 -0,015	d h6	l	L	Z	D3	L3	R
000500401	000500401	000500401	0,5	4	0,6	60	2	0,45	4	0,1
000500701	000500701	000500701	0,5	4	0,6	60	2	0,45	7	0,1
000501001	000501001	000501001	0,5	4	0,6	60	2	0,45	10	0,1
000600701	000600701	000600701	0,6	4	0,9	60	2	0,55	7	0,1
000601001	000601001	000601001	0,6	4	0,9	60	2	0,55	10	0,1
000801001	000801001	000801001	0,8	4	1,2	60	2	0,75	10	0,1
000801501	000801501	000801501	0,8	4	1,2	60	2	0,75	15	0,1
001000401	001000401	001000401	1	4	1,3	60	2	0,95	4	0,1
001000601	001000601	001000601	1	4	1,3	60	2	0,95	6	0,1
001000801	001000801	001000801	1	4	1,3	60	2	0,95	8	0,1
001001001	001001001	001001001	1	4	1,3	60	2	0,95	10	0,1
001001201	001001201	001001201	1	4	1,3	60	2	0,95	12	0,1
001001501	001001501	001001501	1	4	1,3	60	2	0,95	15	0,1
001002001	001002001	001002001	1	4	1,3	60	2	0,95	20	0,1
001000402	001000402	001000402	1	4	1,3	50	2	0,95	4	0,2
001000602	001000602	001000602	1	4	1,3	50	2	0,95	6	0,2
001000802	001000802	001000802	1	4	1,3	50	2	0,95	8	0,2
001001002	001001002	001001002	1	4	1,3	50	2	0,95	10	0,2
001001202	001001202	001001202	1	4	1,3	50	2	0,95	12	0,2
001001602	001001602	001001602	1	4	1,3	50	2	0,95	16	0,2
001002002	001002002	001002002	1	4	1,3	50	2	0,95	20	0,2
001500601	001500601	001500601	1,5	4	1,8	60	2	1,45	6	0,1
001500801	001500801	001500801	1,5	4	1,8	60	2	1,45	8	0,1
001501001	001501001	001501001	1,5	4	1,8	60	2	1,45	10	0,1
001501201	001501201	001501201	1,5	4	1,8	60	2	1,45	12	0,1
001501501	001501501	001501501	1,5	4	1,8	60	2	1,45	15	0,1
001502001	001502001	001502001	1,5	4	1,8	60	2	1,45	20	0,1
001502501	001502501	001502501	1,5	4	1,8	60	2	1,45	25	0,1
001500602	001500602	001500602	1,5	4	1,8	50	2	1,45	6	0,2
001500802	001500802	001500802	1,5	4	1,8	50	2	1,45	8	0,2
001501002	001501002	001501002	1,5	4	1,8	50	2	1,45	10	0,2
001501202	001501202	001501202	1,5	4	1,8	50	2	1,45	12	0,2
001501602	001501602	001501602	1,5	4	1,8	50	2	1,45	16	0,2
001502002	001502002	001502002	1,5	4	1,8	50	2	1,45	20	0,2
002001001	002001001	002001001	2	6	2,5	60	2	1,95	10	0,1
002001601	002001601	002001601	2	6	2,5	60	2	1,95	16	0,1
002002001	002002001	002002001	2	6	2,5	60	2	1,95	20	0,1
002002501	002002501	002002501	2	6	2,5	60	2	1,95	25	0,1
002001003	002001003	002001003	2	6	2,5	60	2	1,95	10	0,3
002001603	002001603	002001603	2	6	2,5	60	2	1,95	16	0,3
002002003	002002003	002002003	2	6	2,5	60	2	1,95	20	0,3
002002503	002002503	002002503	2	6	2,5	60	2	1,95	25	0,3
002003003	002003003	002003003	2	6	2,5	60	2	1,95	30	0,3
002501001	002501001	002501001	2,5	6	3	60	2	2,45	10	0,1
002501201	002501201	002501201	2,5	6	3	60	2	2,45	12	0,1
002501601	002501601	002501601	2,5	6	3	60	2	2,45	16	0,1
002502001	002502001	002502001	2,5	6	3	60	2	2,45	20	0,1
002502501	002502501	002502501	2,5	6	3	60	2	2,45	25	0,1
002501003	002501003	002501003	2,5	6	3	60	2	2,45	10	0,3
002501203	002501203	002501203	2,5	6	3	60	2	2,45	12	0,3
002501603	002501603	002501603	2,5	6	3	60	2	2,45	16	0,3
002502003	002502003	002502003	2,5	6	3	60	2	2,45	20	0,3
002502503	002502503	002502503	2,5	6	3	60	2	2,45	25	0,3
003001001	003001001	003001001	3	6	4	60	2	2,95	10	0,1
003001201	003001201	003001201	3	6	4	60	2	2,95	12	0,1
003001501	003001501	003001501	3	6	4	60	2	2,95	15	0,1
003002001	003002001	003002001	3	6	4	60	2	2,95	20	0,1
003002501	003002501	003002501	3	6	4	60	2	2,95	25	0,1
003003001	003003001	003003001	3	6	4	60	2	2,95	30	0,1
003001002	003001002	003001002	3	6	4	60	2	2,95	10	0,2
003001202	003001202	003001202	3	6	4	60	2	2,95	12	0,2
003001602	003001602	003001602	3	6	4	60	2	2,95	16	0,2
003002002	003002002	003002002	3	6	4	60	2	2,95	20	0,2
003001003	003001003	003001003	3	6	4	60	2	2,95	10	0,3
003001203	003001203	003001203	3	6	4	60	2	2,95	12	0,3
003001503	003001503	003001503	3	6	4	60	2	2,95	15	0,3
003002003	003002003	003002003	3	6	4	60	2	2,95	20	0,3
003002503	003002503	003002503	3	6	4	60	2	2,95	25	0,3
003003003	003003003	003003003	3	6	4	60	2	2,95	30	0,3
003004003	003004003	003004003	3	6	4	70	2	2,95	40	0,3
003001005	003001005	003001005	3	6	4	60	2	2,95	10	0,5
003001205	003001205	003001205	3	6	4	60	2	2,95	12	0,5
003001605	003001605	003001605	3	6	4	60	2	2,95	16	0,5
003002005	003002005	003002005	3	6	4	60	2	2,95	20	0,5





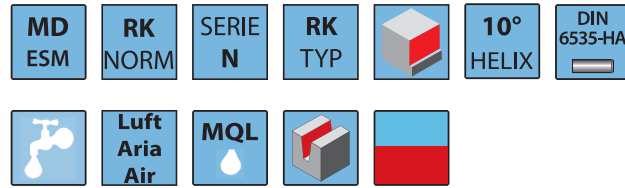
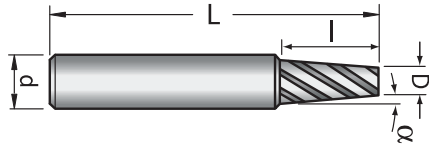
HSC



CDOD.DB.	D +0,005 -0,015	d h6	l	L	Z	D3	L3	R ±0,01
001000402	1	4	1	50	4	0,95	4	0,2
001000602	1	4	1	50	4	0,95	6	0,2
001000802	1	4	1	50	4	0,95	8	0,2
001001002	1	4	1	50	4	0,95	10	0,2
001001202	1	4	1	50	4	0,95	12	0,2
001001602	1	4	1	50	4	0,95	16	0,2
001002002	1	4	1	50	4	0,95	20	0,2
001200602	1,2	4	1,2	50	4	1,15	6	0,2
001200802	1,2	4	1,2	50	4	1,15	8	0,2
001201002	1,2	4	1,2	50	4	1,15	10	0,2
001201202	1,2	4	1,2	50	4	1,15	12	0,2
001201602	1,2	4	1,2	50	4	1,15	16	0,2
001202002	1,2	4	1,2	50	4	1,15	20	0,2
001500602	1,5	4	1,5	50	4	1,45	6	0,2
001500802	1,5	4	1,5	50	4	1,45	8	0,2
001501002	1,5	4	1,5	50	4	1,45	10	0,2
001501202	1,5	4	1,5	50	4	1,45	12	0,2
001501602	1,5	4	1,5	50	4	1,45	16	0,2
001502002	1,5	4	1,5	50	4	1,45	20	0,2
002000602	2	4	2	50	4	1,95	6	0,2
002000802	2	4	2	50	4	1,95	8	0,2
002001002	2	4	2	50	4	1,95	10	0,2
002001202	2	4	2	50	4	1,95	12	0,2
002001602	2	4	2	50	4	1,95	16	0,2
002002002	2	4	2	50	4	1,95	20	0,2
002000605	2	4	2	50	4	1,95	6	0,5
002000805	2	4	2	50	4	1,95	8	0,5
002001005	2	4	2	50	4	1,95	10	0,5
002001205	2	4	2	50	4	1,95	12	0,5
002001605	2	4	2	50	4	1,95	16	0,5
002002005	2	4	2	50	4	1,95	20	0,5
002501002	2,5	4	2,5	50	4	2,45	10	0,2
002501202	2,5	4	2,5	50	4	2,45	12	0,2
002501602	2,5	4	2,5	50	4	2,45	16	0,2
002502002	2,5	4	2,5	50	4	2,45	20	0,2
002501005	2,5	4	2,5	50	4	2,45	10	0,5
002501205	2,5	4	2,5	50	4	2,45	12	0,5
002501605	2,5	4	2,5	50	4	2,45	16	0,5
002502005	2,5	4	2,5	50	4	2,45	20	0,5
003001002	3	6	3	60	4	2,95	10	0,2
003001202	3	6	3	60	4	2,95	12	0,2
003001602	3	6	3	60	4	2,95	16	0,2
003002002	3	6	3	60	4	2,95	20	0,2
003001005	3	6	3	60	4	2,95	10	0,5
003001205	3	6	3	60	4	2,95	12	0,5
003001605	3	6	3	60	4	2,95	16	0,5
003002005	3	6	3	60	4	2,95	20	0,5
003001010	3	6	3	60	4	2,95	10	1
003001210	3	6	3	60	4	2,95	12	1
003001610	3	6	3	60	4	2,95	16	1
003002010	3	6	3	60	4	2,95	20	1










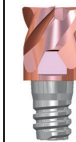

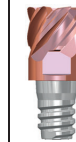


























HSC




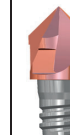








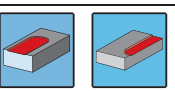





CHOO.DC.	D <small>+0 -0.02</small>	d <small>h6</small>	l	L	Z	α
00060.005A	0,6	4	4,0	50	2	30°
00060.010A	0,6	4	4,0	50	2	1°
00060.015A	0,6	4	4,0	50	2	1°30'
00060.020A	0,6	4	4,0	50	2	2°
00080.005A	0,8	4	6,0	50	2	30°
00080.010A	0,8	4	6,0	50	2	1°
00080.015A	0,8	4	6,0	50	2	1°30'
00080.020A	0,8	4	6,0	50	2	2°
00100.005A	1	4	8,0	50	2	30°
00100.010A	1	4	8,0	50	2	1°
00100.015A	1	4	8,0	50	2	1°30'
00100.020A	1	4	8,0	50	2	2°
00120.005A	1,2	4	10,0	50	2	30°
00120.010A	1,2	4	10,0	50	2	1°
00120.015A	1,2	4	10,0	50	2	1°30'
00120.020A	1,2	4	10,0	50	2	2°
00150.005A	1,5	4	12,0	50	2	30°
00150.010A	1,5	4	12,0	50	2	1°
00150.015A	1,5	4	12,0	50	2	1°30'
00150.020A	1,5	4	12,0	50	2	2°
00200.005A	2	4	16,0	50	2	30°
00200.010A	2	4	16,0	50	2	1°
00200.015A	2	4	16,0	50	2	1°30'
00200.020A	2	4	16,0	50	2	2°
00250.005A	2,5	6	20,0	60	2	30°
00250.010A	2,5	6	20,0	60	2	1°
00250.015A	2,5	6	20,0	60	2	1°30'
00250.020A	2,5	6	20,0	60	2	2°
00300.005A	3	6	25,0	60	2	30°
00300.010A	3	6	25,0	60	2	1°
00300.015A	3	6	25,0	60	2	1°30'
00300.020A	3	6	25,0	60	2	2°

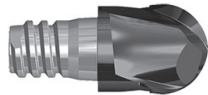


HEAD-MILL

INHALT INDICE INDEX												
ITEM	CIBB.FG	CIBB.FB	CVBB.FG	CVBB.FB	CEBB.FG	CEBB.FB	CBBC.FG	CBBC.FB	EABE.FG	EABE.FB	CBBF.FG	DCBB.FO
Z	2		4		4 - 6		4		6		4 - 6	
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10		MD MG 10		MD MG 10		MD MG 10		MD MG 10		MD MG 10	MD MG 10
BESCHICHTUNG RIVESTIMENTO COATING	AlCrN	TiSiN	AlCrN	TiSiN	AlCrN	TiSiN	AlCrN	TiSiN	AlCrN	TiSiN	AlCrN	NO
NORM NORMA STANDARD	RK NORM		RK NORM		RK NORM		RK NORM		RK NORM		RK NORM	RK NORM
SERIEN SERIE SERIE	SERIE N-XL		SERIE N-XL		SERIE N-XL		SERIE N-XL		SERIE N-XL		SERIE N-XL	SERIE N-XL
TYP TIPO TYPE	N TYP		N TYP		N TYP		NK TYP		NK TYP		HRF TYP	W TYP
FRONTANSICHT VISTA FRONTALE FRONT VIEW												
GEOMETRIE GEOMETRIA GEOMETRY												
TECNOLOGIE TECNOLOGIA TECNOLOGY	HPC		HPC		HFC		HPC		HPC		HPC	HPC
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX		30° HELIX		20° HELIX		42°÷45° HELIX		44°÷46° HELIX		45° HELIX	44°÷49° HELIX
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING												
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING												
Ø	12 ÷ 25		12 ÷ 25		12 ÷ 25		12 ÷ 25		12 ÷ 25		12 ÷ 25	12 ÷ 25
□	1-56		1-56		1-57		1-57		1-58		1-58	1-59
P1 Stahl / Acciaio / Steel	P1		P1		P1		P1		P1		P1	
M3 Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3		M3		M3		M3		M3		
K5 Gusseisen / Ghisa / Cast iron	K5		K5		K5		K5		K5		K5	
N7 Legierungen / Alloys / Leghe: Al + Mg												N7
N6 Legierungen / Alloys / Leghe: Cu	N6		N6		N6							
N8 Sintetische Materialien / Materiali sintetici / Synthetic materials	N8		N8				N8					N8
N9 Graphit / Grafite / Graphite												
S2 Legierungen / Alloys / Leghe: Ti		S2		S2		S2		S2		S2		
S4 Legierungen / Alloys / Leghe: Ni		S4		S4		S4		S4		S4		
H1 Stahl / Acciaio / Steel 45 ÷ 50 HRC	H1		H1		H1		H1		H1		H1	
H2 Stahl / Acciaio / Steel : 50 ÷ 70 HRC				H2								

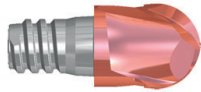
							
DCBA.FO	DCBA.FH	CDBI.FG	CDBI.FB	PROO.AO	PROA.AO	PROA.SO	PROB.SO
MD MG 10		MD MG 10		STEEL		MD STEEL	
NO	MAX	AlCrN	TiSiN	-		-	
RK NORM		RK NORM		RK NORM		RK NORM	
SERIE N-XL		SERIE N-XL		SERIE N	SERIE L	SERIE XL	SERIE XXL
RK TYP		R TYP		-	-	-	-
				-	-	-	-
				-	-	-	-
HFC		CSC		-	-	-	-
10° HELIX		0° HELIX		-	-	-	-
				-	-	-	-
				-	-	-	-
16 ÷ 25		12 ÷ 20		12 ÷ 25	12 ÷ 25	12 ÷ 25	12 ÷ 25
1-59		1-60		1-60	1-60	1-61	1-61
		P1					
			M3				
		K5					
N7	N7	N7					
		N6					
		N8					
		N9					
			S2				
			S4				
		H1					

CIBB.FG



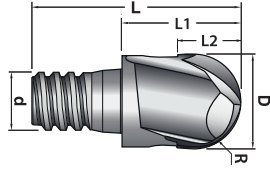
TiAlN-2 P1 K5 N6 N8 H1

CIBB.FB



TiSiN M3 S2 S4

HPC

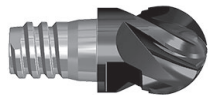


MD MG 10 R±0.005 RK NORM SERIE N-XL N TYP 30° HELIX

Luft Aria Air MQL

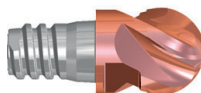
CIBB.FG.	CIBB.FB.	D	d	L2	L1	L	Z	R
01200	01200	12	8	7	14	26	2	6
01600	01600	16	10	9	16	32	2	8
02000	02000	20	12	11	20	40	2	10
02500	02500	25	16	16	28	53	2	12,5

CVBB.FG



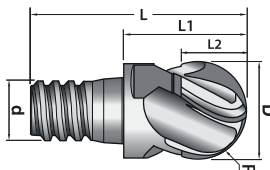
TiAlN-2 P1 K5 N6 N8 H1

CVBB.FB



TiSiN M3 S2 S4

HPC

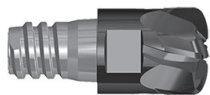


MD MG 10 R±0.01 RK NORM SERIE N-XL N TYP 30° HELIX

Luft Aria Air MQL

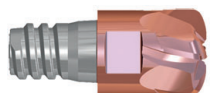
CVBB.FG.	CVBB.FB.	D	d	L2	L1	L	Z	R
01200	01200	12	8	7	14	26	4	6
01600	01600	16	10	9	16	32	4	8
02000	02000	20	12	11	20	40	4	10
02500	02500	25	16	16	28	53	4	12,5

CEBB.FG



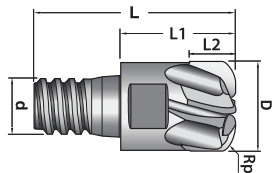
TiAlN-2 P1 K5 N6 H1

CEBB.FB



TiSiN M3 S2 S4

HPC

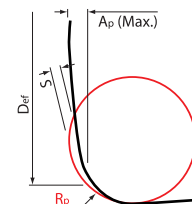


MD MG 10 RK NORM SERIE N-XL N TYP 20° HELIX

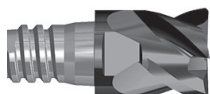
Icons for tool holder, chip formation, and material compatibility.

CIBB.FG.	CIBB.FB.	D	d	L2	L1	L	Z	Rp	Ap	s
		h9							Máx.	
01200	01200	12	8	6	14	26	4	2	0,8	0,33
01600	01600	16	10	8	16	32	4	2,5	1	0,51
02000	02000	20	12	10	20	40	6	3	1,2	0,53
02500	02500	25	16	12	28	53	6	4	1,6	0,53

Rp
 Programierungs Radius
 Raggio di programazione
 Programming radius

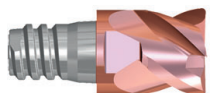


CBBC.FG



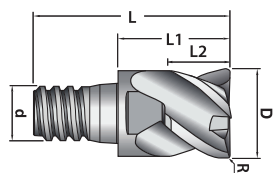
TiAlN-2 P1 K5 N6 H1

CBBC.FB



TiSiN M3 S2 S4

HPC

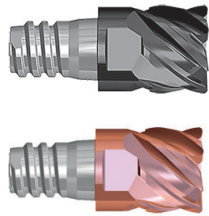


MD MG 10 R±0,01 RK NORM SERIE N-XL NK TYP 42°÷45° HELIX

Icons for tool holder, chip formation, and material compatibility.

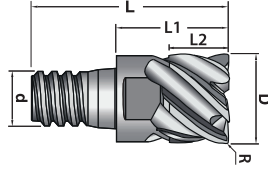
CBBC.FG.	CBBC.FB.	D	d	L2	L1	l	z	R
								±0,001
01200.0002	01200.0002	12	8	7	14	26	4	0,25
01200.0005	01200.0005	12	8	7	14	26	4	0,5
01200.0010	01200.0010	12	8	7	14	26	4	1
01200.0015	01200.0015	12	8	7	14	26	4	1,5
01200.0020	01200.0020	12	8	7	14	26	4	2
01600.0002	01600.0002	16	10	9	16	32	4	0,25
01600.0005	01600.0005	16	10	9	16	32	4	0,5
01600.0010	01600.0010	16	10	9	16	32	4	1
01600.0015	01600.0015	16	10	9	16	32	4	1,5
01600.0020	01600.0020	16	10	9	16	32	4	2
02000.0004	02000.0004	20	12	11	20	40	4	0,4
02000.0010	02000.0010	20	12	11	20	40	4	1
02000.0015	02000.0015	20	12	11	20	40	4	1,5
02000.0020	02000.0020	20	12	11	20	40	4	2
02000.0025	02000.0025	20	12	11	20	40	4	2,5
02500.0004	02500.0004	25	16	16	28	53	4	0,4
02500.0010	02500.0010	25	16	16	28	53	4	1
02500.0020	02500.0020	25	16	16	28	53	4	2
02500.0025	02500.0025	25	16	16	28	53	4	2,5

EABE.FG
 EABE.FB



TiAlN-2 P1 K5 H1
 TiSiN M3 S2 S4

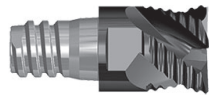
HPC



MD MG 10 R ±0,01 RK NORM SERIE N-XL NK TYP 44°±46° HELIX

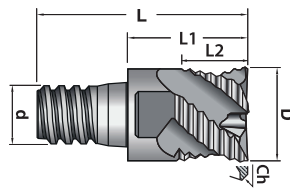
EABE.FG.	EABE.FB.	D	d	L2	L1	l	z	R
01200.0002	01200.0002	12	8	7	14	26	6	±0,001 0,2
01200.0005	01200.0005	12	8	7	14	26	6	0,5
01200.0010	01200.0010	12	8	7	14	26	6	1
01200.0015	01200.0015	12	8	7	14	26	6	1,5
01200.0020	01200.0020	12	8	7	14	26	6	2
01600.0003	01600.0003	16	10	9	16	32	6	0,3
01600.0010	01600.0010	16	10	9	16	32	6	1
01600.0015	01600.0015	16	10	9	16	32	6	1,5
01600.0020	01600.0020	16	10	9	16	32	6	2
02000.0003	02000.0003	20	12	11	20	40	6	0,3
02000.0010	02000.0010	20	12	11	20	40	6	1
02000.0015	02000.0015	20	12	11	20	40	6	1,5
02000.0020	02000.0020	20	12	11	20	40	6	2
02500.0003	02500.0003	25	16	16	28	53	6	0,3
02500.0010	02500.0010	25	16	16	28	53	6	1
02500.0015	02500.0015	25	16	16	28	53	6	1,5
02500.0020	02500.0020	25	16	16	28	53	6	2

CBBF.FG



TiAlN-2 P1 K5 H1

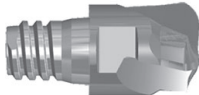
HPC



MD MG 10 RK NORM SERIE N-XL HRF TYP 45° HELIX

CBBF.FG.	D	d	L2	L1	L	Z	Ch
	h10						45°
01200	12	8	7	14	26	4	0,3
01600	16	10	9	16	32	5	0,4
02000	20	12	11	20	40	6	0,5
02500	25	16	16	28	53	6	0,5

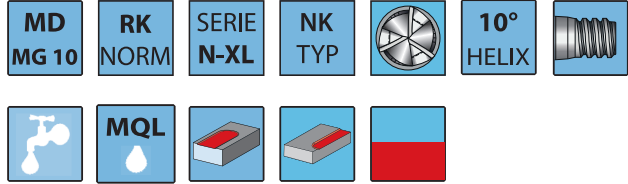
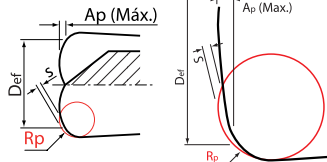
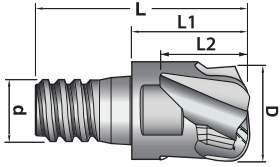
DCBA.FO



DCBA.FH

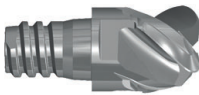


HFC

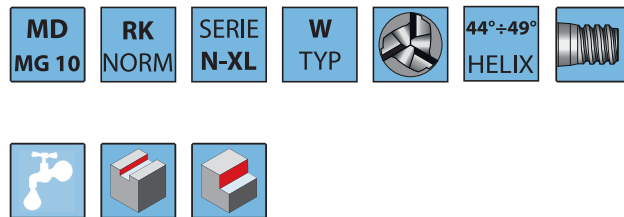
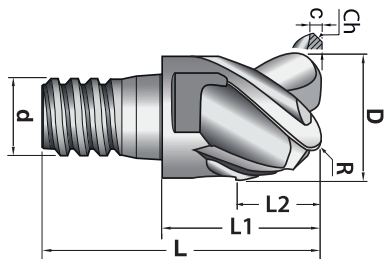


DCBA.FO.	CBA.FH.	D	d	L2	L1	L	z	Rp	Ap	s
									Max.	
01600	01600	16	10	6	16	32	3	2,5	1,8	0,45
02000	02000	20	12	7,5	20	40	3	3	2,2	0,55
02500	02500	25	16	9	28	53	3	3,7	2,8	0,7

DCBB.FO



HPC

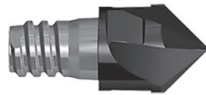


DCBB.FO.	D	d	L2	L1	L	Z	R	c	Ch
	h9						±0,02		45°
01200	12	8	7	14	26	3		0,3	0,2
01200.2500	12	8	7	14	26	3	2,5		
01200.4000	12	8	7	14	26	3	4		
01600	16	10	9	16	32	3		0,4	0,25
01600.2500	16	10	9	16	32	3	2,5		
01600.4000	16	10	9	16	32	3	4		
02000	20	12	11	20	40	3		0,6	0,3
02000.2500	20	12	11	20	40	3	2,5		
02000.4000	20	12	11	20	40	3	4		
02500	25	16	16	28	53	3		0,6	0,35
02500.2500	25	16	16	28	53	3	2,5		
02500.4000	25	16	16	28	53	3	4		

HEAD-MILL

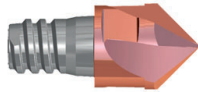
Wechselkopf-Fasfräser und Senker
 Testina di fresatura intercambiabile a svasare
 Countersinker indexable milling head

CDBI.FG



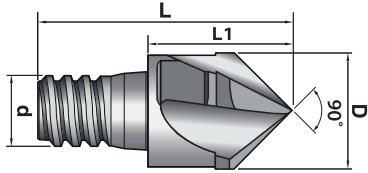
TiAlN-2 P1 K5 N7 N6 N8 N9 H1

CDBI.FB



TiSiN M3 S2 S4

MC



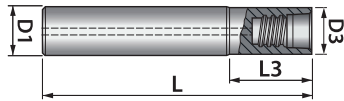
MD MG 10 RK NORM SERIE N-XL R TYP 0° HELIX

CDBI.FG.	CDBI.FB.	D	d	l	L	Z	α
01200	01200	12	8	14	26	4	90°
01600	01600	16	10	16	32	4	90°
02000	02000	20	12	20	40	4	90°

HEAD-MILL

Stahlschaft für Wechselköpfe
 Gambo in acciaio per testine
 Steel shank for indexable milling head

PROO.AO



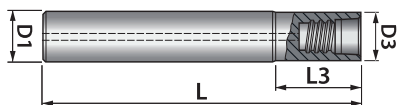
STEEL SERIE N

PROO.AO.	INSERT	D1	D3	L3	L
		h6			
01200	12	12	11,5	22	70
01600	16	16	15,4	32	80
02000	20	20	19,2	34	90
02500	25	25	24	34	90

HEAD-MILL

Stahlschaft für Einsätze, lang
 Gambo in acciaio serie lunga, per testine
 Steel shank for indexable milling head, long

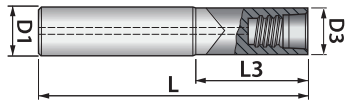
PROA.AO



STEEL SERIE L

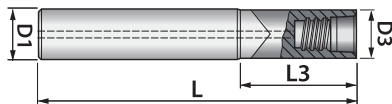
PROA.AO.	INSERT	D1	D3	L3	L
		h6			
01200	12	12	11,5	42	90
01600	16	16	15,4	57	105
02000	20	20	19,2	64	120
02500	25	25	24	64	120

PROA.SO



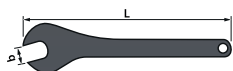
PROA.SO.	INSERT	D1	D3	L3	L
		h6			
01200	12	12	11,5	42	90
01600	16	16	15,4	57	105
02000	20	20	19,2	64	120
02500	25	25	24	64	120

PROB.SO



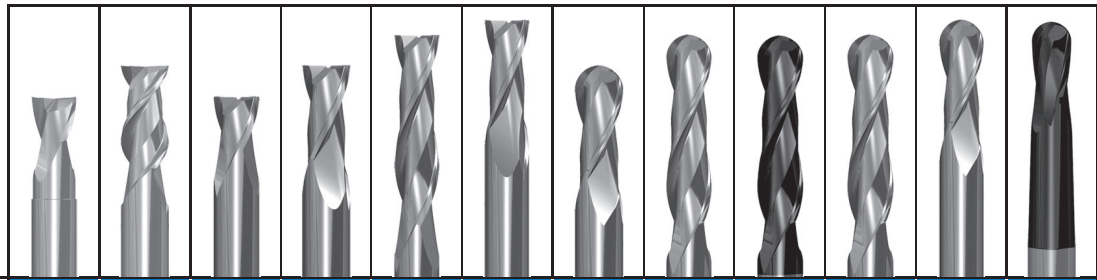
PROB.SO.	INSERT	D1	D3	L3	L
		h6			
01200	12	12	11,5	102	150
01600	16	16	15,4	102	150
02000	20	20	19,2	144	200
02500	25	25	24	144	200

LLOO.AE



LLOO.AE.	INSERT	b	L
01000	12	10	120
01200	16	12	120
01600	20	16	150
02000	25	20	150

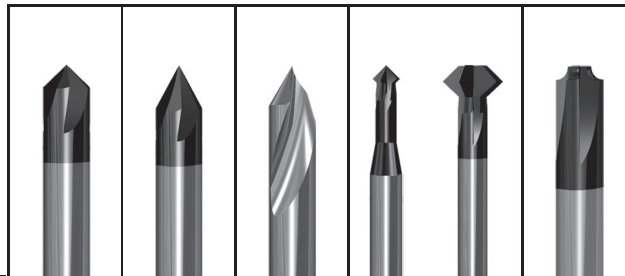
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ITEM	AB00.FO	AC00.FO	A00.FO	B00.FO	BOA.FO	BOD.FO	IOA.FO	CIOA.FO		IOB.FO	IOC.FO	
			A00.FG	B00.FB	BOA.FG	BOD.FG	IOA.FB	CIOA.FG	CIAO.FE	IOB.FG	IOC.FG	CIOC.FE
Z	2	2	2	2	2	2	2	2	2	2	2	2
ROHMATERIAL MATERIALE RAW MATERIAL	MD MG 10	MD MG 10			MD MG 10				MD MG 10			MD MG 10
BESCHICHTUNG RIVESTIMENTO COATING	NO	NO			NO			NO			NO	
			AlCrN	TiSiN		AlCrN	TiSiN	AlCrN	AlTiN-1		AlCrN	AlTiN-1
NORM NORMA STANDARD	RK NORM	DIN 6527L NORM	DIN 6527K NORM	DIN 6527L NORM		RK NORM	DIN 6527L NORM	RK NORM	RK NORM		RK NORM	RK NORM
SERIEN SERIE SERIE	SERIE S	SERIE N	SERIE S	SERIE N	SERIE L	SERIE XL	SERIE N	SERIE N	SERIE N	SERIE L	SERIE XL	SERIE XL
TYP TIPO TYPE	NKE TYP	W TYP			N TYP				N TYP			N TYP
FRONTANSICHT VISTA FRONTALE FRONT VIEW												
GEOMETRIE GEOMETRIA GEOMETRY												
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	45° HELIX	45° HELIX			30° HELIX				30° HELIX			30° HELIX
SCHAFT GAMBO SHANK	DIN 6535-HA 	DIN 6535-HA 			DIN 6535-HA 				DIN 6535-HA 			DIN 6535-HA
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING												
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING												
Ø	2 ÷ 20	2 ÷ 20	3 ÷ 12	1 ÷ 20	3 ÷ 20	3 ÷ 20	2 ÷ 20	6 ÷ 20	3 ÷ 20	3 ÷ 20	3 ÷ 20	3 ÷ 12
□	1-68	1-68	1-69	1-70	1-71	1-71	1-72	1-72	1-73	1-73	1-74	1-74
P1	Stahl / Acciaio / Steel		P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3	M3	M3	M3	M3	M3	M3	M3	M3	M3
K5	Gusseisen / Ghisa / Cast iron		K5	K5	K5	K5	K5	K5	K5	K5	K5	K5
N7	Legierungen / Alloys / Le7ierun7en / Le7he: Al + M7	N7					N7	N7	N7	N7	N7	N7
N6	Legierungen / Alloys / Leghe: Cu		N6	N6	N6	N6	N6	N6	N6	N6	N6	N6
N8	Sintetische Materialien / Materiali sintetici / Sintetic materials	N8	N8	N8	N8	N8	N8	N8	N8	N8	N8	N8
N9	Graphit / Grafite / Graphite		N9	N9	N9	N9	N9	N9	N9	N9	N9	N9
S2	Legierungen / Alloys / Leghe: Ti		S2	S2	S2	S2	S2	S2	S2	S2	S2	S2
S4	Legierungen / Alloys / Leghe: Ni		S4	S4	S4	S4	S4	S4	S4	S4	S4	S4
H1	Stahl / Acciaio / Steel D5 ÷ 50 HRC		H1	H1	H1	H1	H1	H1	H1	H1	H1	H1
H2	Stahl / Acciaio / Steel : 50 ÷ 60 HRC											

COB.FO	COC.FO	DOB.FO	DOC.FO	DOD.FO	ABOB.FO	ABOC.FO			ABOD.FO	AIOA.FO	AIOB.FO		
COB.FG	COC.FB	DOB.FB	DOC.FG	DOD.FG	ABOB.FB	ABOC.FG	ABOC.FE	ADOD.FE	ABOD.FG	AIOA.FB	AIOB.FG	ABOH.FG	ADOB.FG
3	3	3	3	3	4	4	4	4	4	4	4	4	4
MD MG 10			MD MG 10				MD MG 10			MD MG 10		MD MG 10	MD MG 10
NO			NO		NO				NO	NO			
AlCrN	TiSiN	TiSiN		AlCrN	TiSiN		AlTiN-1		AlCrN	TiSiN	AlCrN	AlCrN	AlCrN
DIN 6527K NORM	DIN 6527L NORM	DIN 6527L NORM		RK NORM	DIN 6527L NORM		RK NORM			RK NORM		DIN 6527L NORM	DIN 6527L NORM
SERIE S	SERIE N	SERIE N	SERIE L	SERIE XL	SERIE N		SERIE L		SERIE XL	SERIE N	SERIE L	SERIE N	SERIE N
N TYP			W TYP				N TYP			N TYP		NF TYP	NK TYP
30° HELIX			45° HELIX				30° HELIX			30° HELIX		30° HELIX	45° HELIX
DIN 6535-HA			DIN 6535-HA				DIN 6535-HA			DIN 6535-HA		DIN 6535-HA	DIN 6535-HA
2 ÷ 20	2 ÷ 20	3 ÷ 20			2 ÷ 20	3 ÷ 20			D ÷ 20	6 ÷ 20		2 ÷ 20	
1-75	1-76	1-76	1-76	1-77	1-77	1-78		1-79	1-80		1-85	1-84	
P1	P1				P1	P1	P1	P1	P1	P1	P1	P1	P1
M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3
K5	K5				K5	K5	K5	K5	K5	K5	K5	K5	K5
		N7	N7	N7									
N6	N6				N6	N6	N6	N6	N6	N6	N6	N6	N6
N8	N8	N8	N8	N8	N8	N8		N8	N8	N8	N8		N8
N9	N9				N9	N9		N9	N9	N9	N9		
S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2
S4	S4				S4	S4	S4	S4	S4	S4	S4	S4	S4
H1	H1				H1	H1	H1	H1	H1	H1	H1	H1	H1

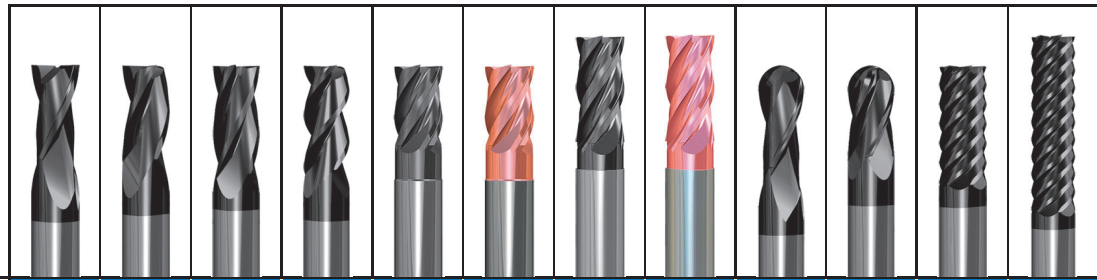
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








ITEM	CDDI.FG		CDDF.FG	CAOF.FO	DDOI.FG		RCOA.FG
	4	4		1	4	4	
Z	4		4	1	4		4
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10		MD MG 10	MD MG 10	MD MG 10		MD MG 10
BESCHICHTUNG RIVESTIMENTO COATING	AlCrN		NO	NO	AlCrN		AlCrN
NORM NORMA STANDARD	RK NORM		RK NORM	RK NORM	RK NORM		RK NORM
SERIEN SERIE SERIE	SERIE N		SERIE N	SERIE N	SERIE L		SERIE N
TYP TIPO TYPE							
FRONTANSICHT VISTA FRONTALE FRONT VIEW							
GEOMETRIE GEOMETRIA GEOMETRY							
HELIX WINKEL ELICA ANGOLO HELIX ANGLE							
CHAFT GAMBO SHANK	0° HELIX		0° HELIX	0° HELIX	0° HELIX		0° HELIX
	DIN 6535-HB		DIN 6535-HA	DIN 6535-HA	DIN 6535-HA		DIN 6535-HA
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING							
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING							
Ø	4 ÷ 12		3 ÷ 6	3 ÷ 6	3 ÷ 12		5,4 ÷ 10
□	1-84		1-84	1-84	1-85		1-85
P1	Stahl / Acciaio / Steel		P1	P1	P1		P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3	M3	M3		M3
K5	Gusseisen / Ghisa / Cast iron		K5	K5	K5		K5
N7	Legierungen / Alloys / Leghe: Al + Mg		N7	N7	N7		N7
N6	Legierungen / Alloys / Leghe: Cu		N6	N6	N6		N6
N8	Sintektische Materialien / Materiali sintetici / Sintetic materials		N8	N8	N8		N8
N9	Graphit / Grafite / Graphite		N9	N9	N9		N9
S2	Legierungen / Alloys / Leghe: Ti		S2	S2	S2		S2
S4	Legierungen / Alloys / Leghe: Ni		S4	S4	S4		S4
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC		H1	H1	H1		H1
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC						



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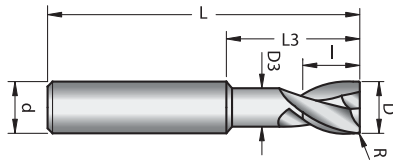
ITEM	DIN 6535-HA	NBON.CG	NCON.CG	NDON.CG	WCON.CG	VDON.FG	VDON.FB	VDOL.FG	VDOL.FB	BBON.CG	BDON.CG	KFON.CG KHON.CG	KFOL.CG KHOL.CG
	DIN 6535-HB	NBDN.CG	NCDN.CG	NDDN.CG	WCDN.CG	VDDN.FG	VDDN.FB	VDDL.FG	VDDL.FB	BBDN.CG	BDDN.CG	KFDN.CG KHDN.CG	KFDL.CG KHDL.CG
Z		2	3	4	3	4		4		2	4	4-8	6-8
ROHMATERIAL MATERIALE RAW MATERIAL			MD MG 10		MD MG 10			MD MG 10			MD MG 10		MD MG 10
BESCHICHTUNG RIVESTIMENTO COATING			AlCrN		AlCrN	AlCrN	TiSiN	AlCrN	TiSiN		AlCrN		AlCrN
NORM NORMA STANDARD			DIN 6527L NORM		DIN 6527L NORM	DIN 6527L NORM		RK NORM		DIN 6527L NORM	RK NORM	DIN 6527L NORM	RK NORM
SERIEN SERIE SERIE			SERIE N		SERIE N	SERIE N		SERIE L		SERIE N		SERIE N	SERIE L
TYP TIPO TYPE			N TYP		N TYP			RK TYP		N TYP		NKM TYP	NKM TYP
FRONTANSICHT VISTA FRONTALE FRONT VIEW													
GEOMETRIE GEOMETRIA GEOMETRY													
HELIX WINKEL ELICA ANGOLO HELIX ANGLE			30° HELIX		45° HELIX			36°÷39° HELIX		30° HELIX		55° HELIX	55° HELIX
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING													
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING													
Ø		1 ÷ 20	2 ÷ 20	2 ÷ 20	3 ÷ 20	6 ÷ 20		6 ÷ 20		2 ÷ 20	4 ÷ 20	6 ÷ 16	6 ÷ 16
□		1-70	1-75	1-77	1-76	1-79		1-80		1-72	1-81	1-82	
P1	Stahl / Acciaio / Steel	P1	P1	P1		P1		P1		P1	P1	P1	P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel	M3	M3	M3	M3		M3		M3	M3	M3	M3	M3
K5	Gusseisen / Ghisa / Cast iron	K5	K5	K5		K5		K5		K5	K5	K5	K5
N7	Legierungen / Alloys / Leghe: Al + Mg				N7					N7	N7		
N6	Legierungen / Alloys / Leghe: Cu	N6	N6	N6						N6	N6	N6	N6
N8	Sintetische Materialien / Materiali sintetici / Synthetic materials	N8	N8	N8	N8					N8	N8	N8	N8
N9	Graphit / Grafite / Graphite	N9	N9	N9						N9	N9	N9	N9
S2	Legierungen / Alloys / Leghe: Ti	S2	S2	S2	S2		S2		S2	S2	S2	S2	S2
S4	Legierungen / Alloys / Leghe: Ni	S4	S4	S4			S4		S4	S4	S4	S4	S4
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC	H1	H1	H1		H1		H1		H1	H1	H1	H1
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC												

			
RCON.CG	RDON.CG	KFON.EB	MFON.EB
RCDN.CG	RDDN.CG		
3	4	4-8	6
MD MG 10	MD SM	MD SM	MD SM
AlCrN	TiSiN	TiSiN	
DIN 6527L NORM	RK NORM	RK NORM	
SERIE N	SERIE N	SERIE N	
HRF TYP	NKM TYP	NK TYP	
			
			
20° HELIX	55° HELIX	45° HELIX	
			
			
6 ÷ 8	9 ÷ 20	3 ÷ 25	6 ÷ 12
1-84		1-83	1-83
P1	P1		
M3	M3		
K5	K5		
N6	N6		
S2	S2		
S4	S4		
H1	H1	H1	H1
		H2	H2

ABOO.FO



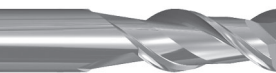
MC



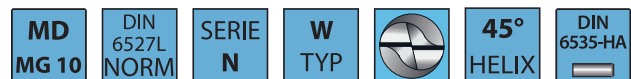
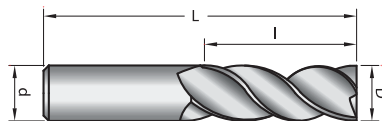
ABOO.FO.	D h10	d h6	I	L	Z	D3	L3	R ±0,003
00200	2	3	7	38	2	1,9	9	0,1
00300	3	3	8	38	2	2,9	10	0,1
00400	4	6	11	57	2	3,8	14	0,1
00500	5	6	13	57	2	4,8	17	0,1
00600	6	6	13	57	2	5,7	18	0,1

ABOO.FO.	D h10	d h6	I	L	Z	D3	L3	R ±0,003
00800	8	8	19	63	2	7,7	20	0,1
01000	10	10	22	72	2	9,7	24	0,1
01200	12	12	26	83	2	11,5	28	0,15
01600	16	16	32	92	2	15,5	34	0,15
02000.20	20	20	38	104	2	19,5	42	0,15

ACOO.FO



MC

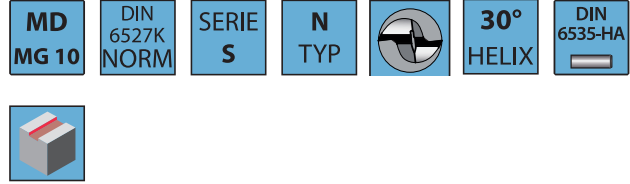
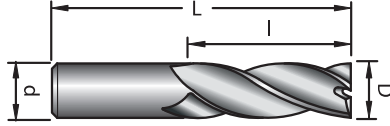


ACOO.FO.	D h9	d h6	I	L	Z
00200	2	3	7	38	2
00300	3	3	8	38	2
00400	4	6	11	57	2
00500	5	6	13	57	2
00600	6	6	13	57	2

ACOO.FO.	D h9	d h6	I	L	Z
00800	8	8	19	63	2
01000	10	10	22	72	2
01200	12	12	26	83	2
01600	16	16	32	92	2
02000.20	20	20	38	104	2



MC



AOO.FO.	AOO.FG.	D e8	d h6	l	L	Z
00300	00300	3	6	4	50	2
00380	00380	3,8	6	5	54	2
00400	00400	4	6	5	54	2
00480	00480	4,8	6	6	54	2
00500	00500	5	6	6	54	2
00575	00575	5,75	6	7	54	2
00600	00600	6	6	7	54	2

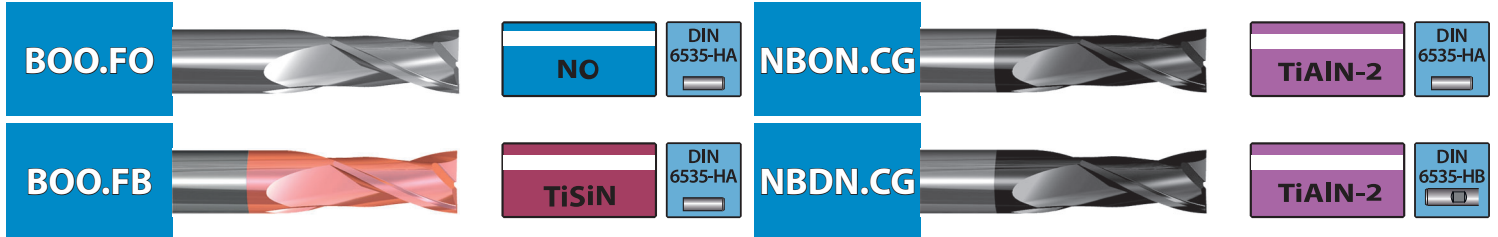
AOO.FO.	AOO.FG.	D e8	d h6	l	L	Z
00700	00700	7	8	8	58	2
00775	00775	7,75	8	9	58	2
00800	00800	8	8	9	58	2
00970	00970	9,7	10	11	66	2
01000	01000	10	10	11	66	2
01200	01200	12	12	12	73	2



MD-MILL

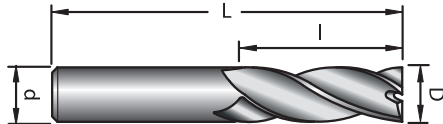
Langlochfräser, Z=2 - Zentrumschnitt
Fresa cilíndrica, Z=2 - Taglio al centro
Z=2, slot drill - Center cut

SAV-MILL



P1 M3 K5 N6 N8 N9 S2 S4 H1

MC



MD **DIN 6527L** **SERIE N** **N TYP** **30° HELIX**
MG 10 **NORM**

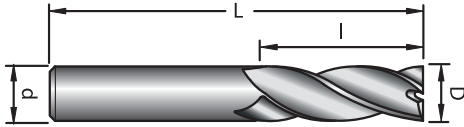
BOO.FO.	BOO.FB.	D	d	l	L	Z
		e8	h6			
00100	00100	1	3	2,5	38	2
00150	00150	1,5	3	4	38	2
00200	00200	2	3	6	38	2
00250	00250	2,5	3	8	38	2
00300	00300	3	3	7	38	2
00300.06	00300.06	3	6	7	57	2
00350	00350	3,5	4	12	40	2
00400	00400	4	4	8	50	2
00400.06	00400.06	4	6	8	57	2
00450	00450	4,5	5	14	50	2
00500	00500	5	5	10	50	2
00500.06	00500.06	5	6	10	57	2
00600	00600	6	6	10	57	2
00700	00700	7	7	20	60	2
00800	00800	8	8	16	63	2
00900	00900	9	9	20	60	2
01000	01000	10	10	19	72	2
01200	01200	12	12	22	83	2
01400	01400	14	14	22	83	2
01600	01600	16	16	26	92	2
01800	01800	18	18	26	92	2
02000.20	02000.20	20	20	32	104	2

NBON.CG.	NBDN.CG.	D	d	l	L	Z
		e8	h6			
00100		1	3	2,5	38	2
00200		2	3	6	38	2
00300		3	3	7	38	2
0030006	0030006	3	6	7	57	2
00400		4	4	8	50	2
0040006	0040006	4	6	8	57	2
00500		5	5	10	50	2
0050006	0050006	5	6	10	57	2
00600	00600	6	6	10	57	2
00800	00800	8	8	16	63	2
01000	01000	10	10	19	72	2
01200	01200	12	12	22	83	2
01400		14	14	22	83	2
01600	01600	16	16	26	92	2
01800		18	18	26	92	2
02000	02000	20	20	32	104	2



- P1
- M3
- K5
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD MG 10 RK NORM SERIE L N TYP 30° HELIX DIN 6535-HA

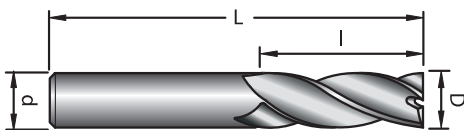
BOA.FO.	BOA.FG.	D h10	d h6	l	L	Z
00300	00300	3	3	30	60	2
00400	00400	4	4	30	60	2
00500	00500	5	5	35	70	2
00600	00600	6	6	40	100	2
00800	00800	8	8	40	100	2
01000	01000	10	10	50	100	2

BOA.FO.	BOA.FG.	D h10	d h6	l	L	Z
01200	01200	12	12	50	100	2
01400	01400	14	14	50	100	2
01600	01600	16	16	50	100	2
01800	01800	18	18	50	100	2
02000.20	02000.20	20	20	50	100	2



- P1
- M3
- K5
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD MG 10 RK NORM SERIE XL N TYP 30° HELIX DIN 6535-HA

BOD.FO.	BOD.FG.	D h10	d h6	l	L	Z
00300	00300	3	3	10	75	2
00400	00400	4	4	11	100	2
00500	00500	5	5	13	100	2
00600	00600	6	6	13	150	2
00800	00800	8	8	19	150	2

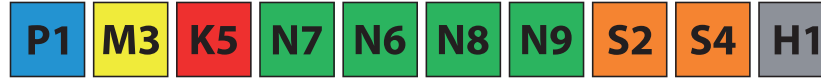
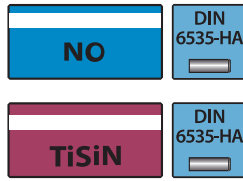
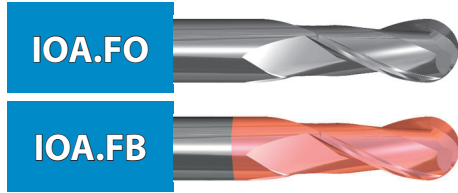
BOD.FO.	BOD.FG.	D h10	d h6	l	L	Z
01000	01000	10	10	22	150	2
01200	01200	12	12	26	150	2
01400	01400	14	14	26	150	2
01600	01600	16	16	32	150	2
02000.20	02000.20	20	20	38	150	2



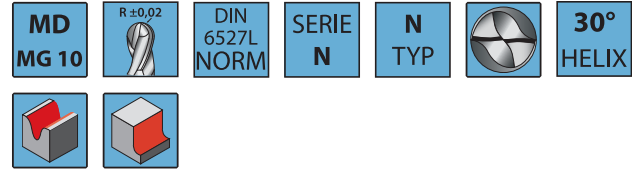
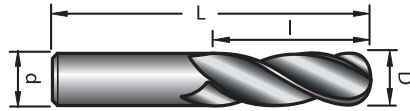
MD-MILL

Kugelfräser, Z=2
Fresa cilíndrica sferica, Z=2
Z=2 ball nose slot drill

SAV-MILL



MC

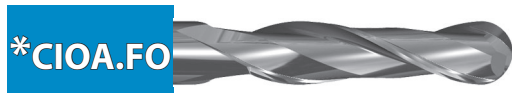


IOA.FO.	IOA.FB.	D	d	l	L	Z	R
		h9	h6				±0,02
00200	00200	2	3	7	38	2	1
00250	00250	2,5	3	8	38	2	1,25
00300	00300	3	3	8	38	2	1,5
00300.06	00300.06	3	6	8	57	2	1,5
00350	00350	3,5	4	12	40	2	1,75
00400	00400	4	4	11	50	2	2
00400.06	00400.06	4	6	11	57	2	2
00450	00450	4,5	5	14	50	2	2,25
00500	00500	5	5	13	50	2	2,5
00500.06	00500.06	5	6	13	57	2	2,5
00600	00600	6	6	13	57	2	3
00700	00700	7	7	20	60	2	3,5
00800	00800	8	8	19	63	2	4
00900	00900	9	9	20	60	2	4,5
01000	01000	10	10	22	72	2	5
01200	01200	12	12	26	83	2	6
01400	01400	14	14	26	83	2	7
01600	01600	16	16	32	92	2	8
01800	01800	18	18	32	92	2	9
02000.20	02000.20	20	20	38	104	2	10

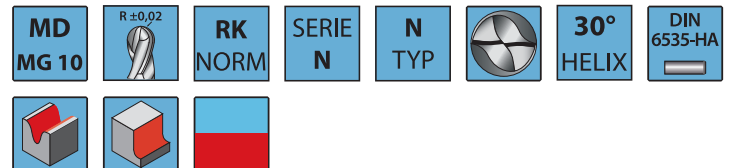
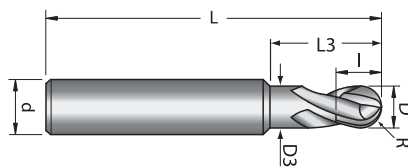
BBON.CG.	BBDN.CG.	D	d	l	L	Z	R
		h9	h6				±0,02
200		2	3	7	38	2	1
300		3	3	8	38	2	1,5
30006	30006	3	6	8	57	2	1,5
400		4	4	11	50	2	2
40006	40006	4	6	11	57	2	2
500		5	5	13	50	2	2,5
50006	50006	5	6	13	57	2	2,5
600	600	6	6	13	57	2	3
800	800	8	8	19	63	2	4
1000	1000	10	10	22	72	2	5
1200	1200	12	12	26	83	2	6
1600	1600	16	16	32	92	2	8
2000	2000	20	20	38	104	2	10

MD-MILL

Kugelfräser, Z=2
Fresa cilíndrica sferica, Z=2
Z=2 ball nose slot drill



MC



CIOA.FO.	CIOA.FG.	D	d	l	L	Z	D3	L3	R
		h9	h6						±0,02
00600	00600	6	6	6	60	2	5,9	12	3
00800	00800	8	8	8	63	2	7,9	16	4
01000	01000	10	10	10	72	2	9,9	20	5
01200	01200	12	12	12	83	2	11,9	24	6
01600	01600	16	16	16	105	2	15,5	32	8
02000	02000	20	20	20	110	2	19,5	38	10

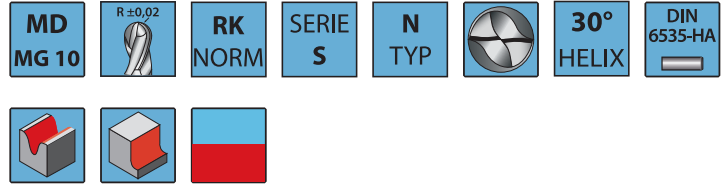
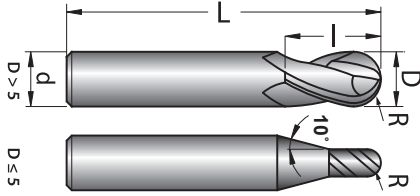
*CIOA.FE



AlTiN-1

P1 M3 K5 N7 N6 N8 N9 S2 S4 H1

MC



CIOA.FE.	D	d	l	L	Z	R
	h9	h6				±0,02
00300	3	6	4	50	2	1,5
00400	4	6	5	54	2	2
00500	5	6	6	54	2	2,5
00600	6	6	7	54	2	3
00800	8	8	9	58	2	4

CIOA.FE.	D	d	l	L	Z	R
	h9	h6				±0,02
01000	10	10	11	66	2	5
01200	12	12	12	73	2	6
01600	16	16	16	82	2	8
02000	20	20	20	92	2	10

IOB.FO



NO

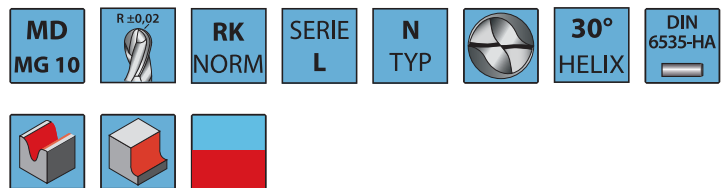
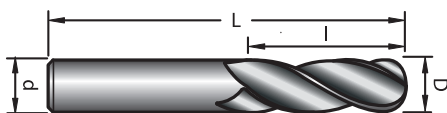
IOB.FG



TiAlN-2

P1 M3 K5 N7 N6 N8 N9 S2 S4 H1

MC



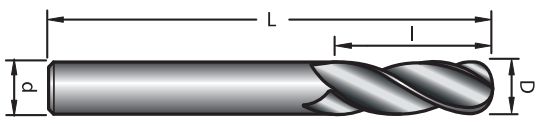
IOB.FO.	IOB.FG.	D	d	l	L	Z	R
		h9	h6				±0,02
00300	00300	3	3	30	60	2	1,5
00400	00400	4	4	30	60	2	2
00500	00500	5	5	35	70	2	2,5
00600	00600	6	6	40	100	2	3
00800	00800	8	8	40	100	2	4
01000	01000	10	10	50	100	2	5

IOB.FO.	IOB.FG.	D	d	l	L	Z	R
		h9	h6				±0,02
01200	01200	12	12	50	100	2	6
01400	01400	14	14	50	100	2	7
01600	01600	16	16	50	100	2	8
01800	01800	18	18	50	100	2	9
02000.20	02000.20	20	20	50	100	2	10



- P1
- M3
- K5
- N7
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD
MG 10

$R \pm 0,02$

RK
NORM

SERIE
XL

N
TYP

30°
HELIX

DIN
6535-HA

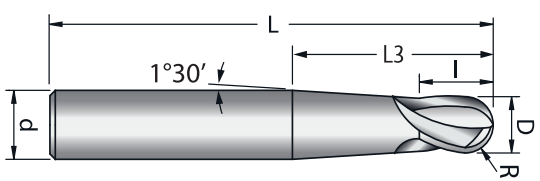
IOC.FO.	IOC.FG.	D	d	l	L	Z	R
		h9	h6				
00300	00300	3	3	10	75	2	1,5
00400	00400	4	4	11	100	2	2
00500	00500	5	5	13	100	2	2,5
00600	00600	6	6	13	150	2	3
00800	00800	8	8	19	150	2	4

IOC.FO.	IOC.FG.	D	d	l	L	Z	R
		h9	h6				
01000	01000	10	10	22	150	2	5
01200	01200	12	12	26	150	2	6
01400	01400	14	14	26	150	2	7
01600	01600	16	16	32	150	2	8
02000.20	02000.20	20	20	38	150	2	10



- P1
- M3
- K5
- N7
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD
MG 10

$R \pm 0,01$

RK
NORM

SERIE
XL

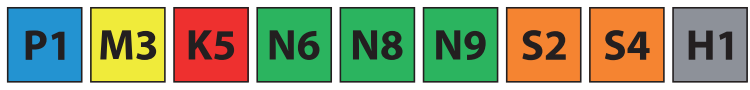
N
TYP

30°
HELIX

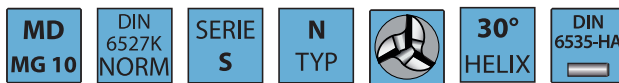
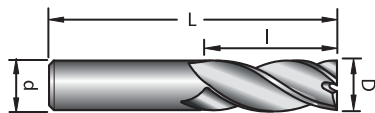
DIN
6535-HA

CIOC.FE.	D	d	l	L	Z	R	L3
	h9	h6					
00300.3215	3	6	6	90	2	1,5	52
00400.4915	4	6	8	90	2	2	49
00600.5315	6	8	12	110	2	3	53

CIOC.FE.	D	d	l	L	Z	R	L3
	h9	h6					
00800	8	10	14	120	2	4	55
01000	10	12	18	130	2	5	59
01200	12	16	22	150	2	6	83

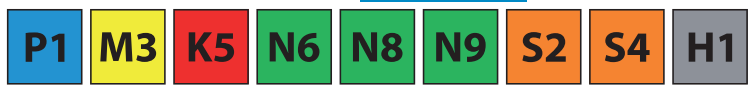
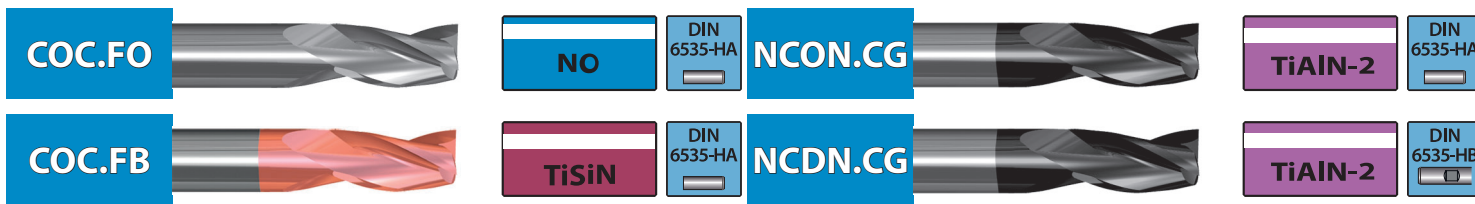


MC

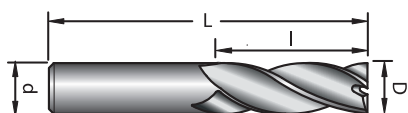


COB.FO.	COB.FG.	D e8	d h6	l	L	Z
00200	00200	2	3	3	38	3
00300	00300	3	3	4	38	3
00400	00400	4	6	5	54	3
00500	00500	5	6	6	54	3
00600	00600	6	6	7	54	3
00700	00700	7	8	8	58	3
00800	00800	8	8	9	58	3

COB.FO.	COB.FG.	D e8	d h6	l	L	Z
00900	00900	9	10	10	66	3
01000	01000	10	10	11	66	3
01200	01200	12	12	12	73	3
01400	01400	14	14	14	75	3
01600	01600	16	16	16	82	3
01800	01800	18	18	18	84	3
02000.20	02000.20	20	20	20	92	3



MC



COC.FO.	COC.FB.	D h10	d h6	l	L	Z
00200	00200	2	3	6	38	3
00250	00250	2,5	3	8	38	3
00300	00300	3	3	7	38	3
00300.06	00300.06	3	6	7	57	3
00350	00350	3,5	4	12	40	3
00400	00400	4	4	8	50	3
00400.06	00400.06	4	6	8	57	3
00450	00450	4,5	5	14	50	3
00500	00500	5	5	10	50	3
00500.06	00500.06	5	6	10	57	3
00600	00600	6	6	10	57	3
00700	00700	7	7	20	60	3
00800	00800	8	8	16	63	3
00900	00900	9	9	20	60	3
01000	01000	10	10	19	72	3
01200	01200	12	12	22	83	3
01400	01400	14	14	22	83	3
01600	01600	16	16	26	92	3
01800	01800	18	18	26	92	3
02000.20	02000.20	20	20	32	104	3

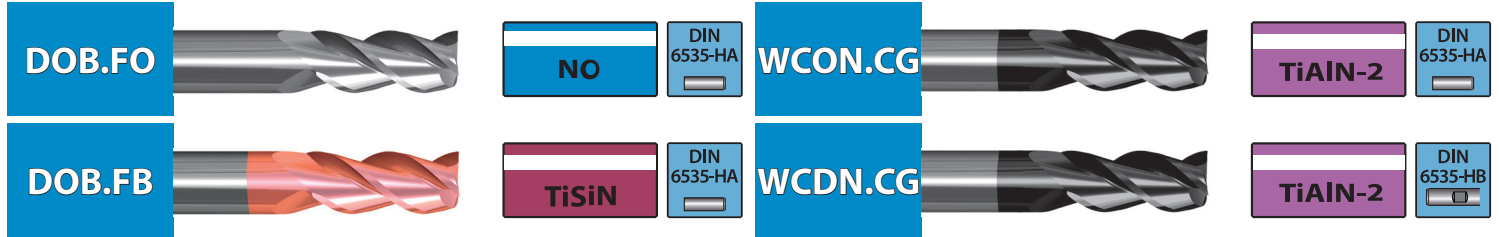
NCON.CG.	NCDN.CG.	D h10	d h6	l	L	Z
00200		2	3	6	38	3
00300		3	3	7	38	3
0030006	0030006	3	6	7	57	3
00400		4	4	8	50	3
0040006	0040006	4	6	8	57	3
00500		5	5	10	50	3
0050006	0050006	5	6	10	57	3
00600	00600	6	6	10	57	3
00800	00800	8	8	16	63	3
01000	01000	10	10	19	72	3
01200	01200	12	12	22	83	3
01400		14	14	22	83	3
01600	01600	16	16	26	92	3
01800		18	18	26	92	3
02000	02000	20	20	32	104	3



MD-MILL

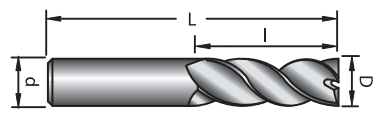
Langlochfräser, Z=3, 45° - Zentrumschnitt
Fresa cilíndrica, Z=3, 45° - Taglio al centro
Z=3, slot drill, 45° - Center cut

SAV-MILL



M3 N7 N8 S2

MC



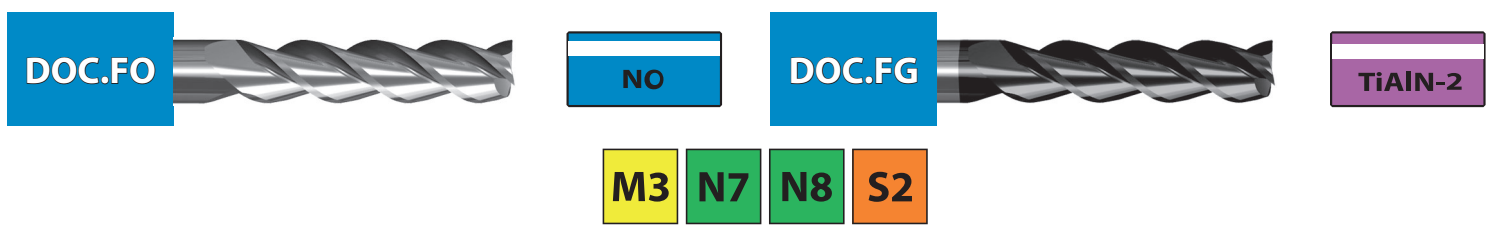
MD MG 10 DIN 6527L NORM SERIE N W TYP 45° HELIX

DOB.FO.	DOB.FB.	D h10	d h6	l	L	Z
00300	00300	3	3	8	38	3
00300.06	00300.06	3	6	8	57	3
00400	00400	4	4	11	50	3
00400.06	00400.06	4	6	11	57	3
00500	00500	5	5	13	50	3
00500.06	00500.06	5	6	13	57	3
00600	00600	6	6	13	57	3
00700	00700	7	7	20	60	3
00800	00800	8	8	19	63	3
00900	00900	9	9	20	60	3
01000	01000	10	10	22	72	3
01200	01200	12	12	26	83	3
01400	01400	14	14	26	83	3
01600	01600	16	16	32	92	3
01800	01800	18	18	32	92	3
02000.20	02000.20	20	20	38	104	3

WCON.CG.	WCDN.CG.	D h10	d h6	l	L	Z
00300		3	3	8	38	3
0030006	0030006	3	6	8	57	3
00400		4	4	11	50	3
0040006	0040006	4	6	11	57	3
00500		5	5	13	50	3
0050006	0050006	5	6	13	57	3
00600	00600	6	6	13	57	3
00800	00800	8	8	19	63	3
01000	01000	10	10	22	72	3
01200	01200	12	12	26	83	3
01400		14	14	26	83	3
01600	01600	16	16	32	92	3
01800		18	18	32	92	3
02000	02000	20	20	38	104	3

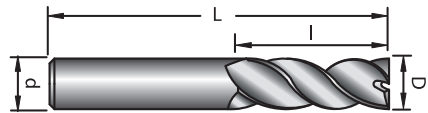
MD-MILL

Langlochfräser, Z=3, 45°, lang - Zentrumschnitt
Fresa cilíndrica, Z=3, 45°, lunga - Taglio al centro
Z=3, slot drill, 45°, long - Center cut



M3 N7 N8 S2

MC



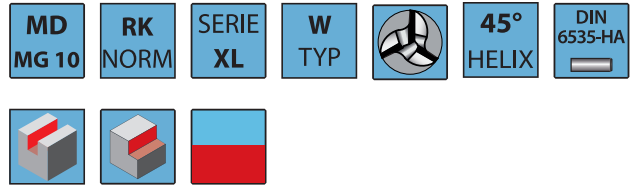
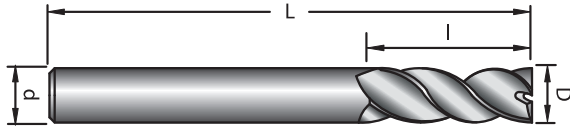
MD MG 10 RK NORM SERIE L W TYP 45° HELIX DIN 6535-HA

DOC.FO.	DOC.FG.	D h10	d h6	l	L	Z
00300	00300	3	3	30	60	3
00400	00400	4	4	30	60	3
00500	00500	5	5	35	70	3
00600	00600	6	6	40	100	3
00800	00800	8	8	40	100	3
01000	01000	10	10	50	100	3

DOC.FO.	DOC.FG.	D h10	d h6	l	L	Z
01200	01200	12	12	50	100	3
01400	01400	14	14	50	100	3
01600	01600	16	16	50	100	3
01800	01800	18	18	50	100	3
02000.20	02000.20	20	20	50	100	3

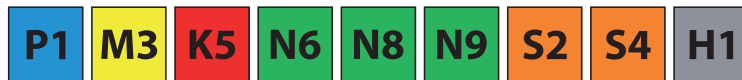
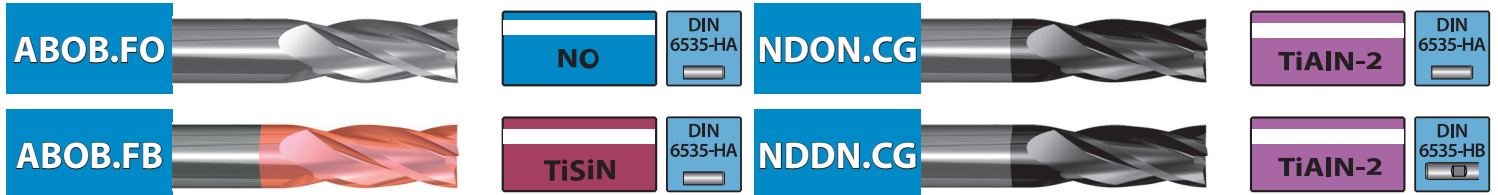


MC

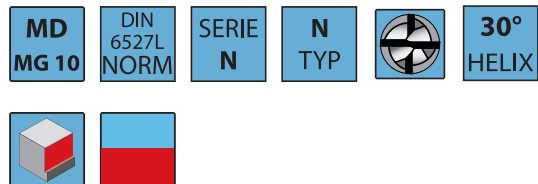
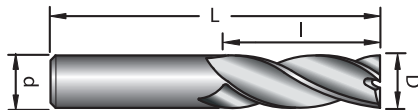


DOD.FO.	DOD.FG.	D	d	l	L	Z
		h10	h6			
00300	00300	3	3	10	75	3
00400	00400	4	4	11	100	3
00500	00500	5	5	13	100	3
00600	00600	6	6	13	150	3
00800	00800	8	8	19	150	3

DOD.FO.	DOD.FG.	D	d	l	L	Z
		h10	h6			
01000	01000	10	10	22	150	3
01200	01200	12	12	26	150	3
01400	01400	14	14	26	150	3
01600	01600	16	16	32	150	3
02000.20	02000.20	20	20	38	150	3



MC



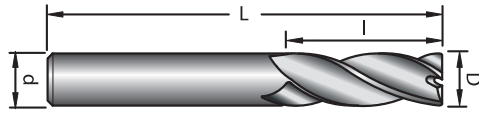
ABOB.FO.	ABOB.FB.	D	d	l	L	Z
		h10	h6			
00200	00200	2	3	7	38	4
00250	00250	2,5	3	8	38	4
00300	00300	3	3	8	38	4
00300.06	00300.06	3	6	8	57	4
00350	00350	3,5	4	12	40	4
00400	00400	4	4	11	50	4
00400.06	00400.06	4	6	11	57	4
00450	00450	4,5	5	14	50	4
00500	00500	5	5	13	50	4
00500.06	00500.06	5	6	13	57	4
00600	00600	6	6	13	57	4
00700	00700	7	7	20	60	4
00800	00800	8	8	19	63	4
00900	00900	9	9	20	60	4
01000	01000	10	10	22	72	4
01200	01200	12	12	26	83	4
01400	01400	14	14	26	83	4
01600	01600	16	16	32	92	4
01800	01800	18	18	32	92	4
02000.20	02000.20	20	20	38	104	4

NDN.CG.	NDDN.CG.	D	d	l	L	Z
		h10	h6			
00200		2	3	7	38	4
00300		3	3	8	38	4
0030006	0030006	3	6	8	57	4
00400		4	4	11	50	4
0040006	0040006	4	6	11	57	4
00500		5	5	13	50	4
0050006	0050006	5	6	13	57	4
00600	00600	6	6	13	57	4
00800	00800	8	8	19	63	4
01000	01000	10	10	22	72	4
01200	01200	12	12	26	83	4
01400		14	14	26	83	4
01600	01600	16	16	32	92	4
01800		18	18	32	92	4
02000	02000	20	20	38	104	4



- P1
- M3
- K5
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD
MG 10

RK
NORM

SERIE
L

N
TYP

30°
HELIX

DIN
6535-HA

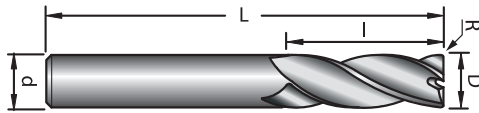
ABOC.FO.	ABOC.FG.	D h10	d h6	l	L	Z
00300	00300	3	3	30	60	4
00400	00400	4	4	30	60	4
00500	00500	5	5	35	70	4
00600	00600	6	6	40	100	4
00800	00800	8	8	40	100	4
01000	01000	10	10	50	100	4

ABOC.FO.	ABOC.FG.	D h10	d h6	l	L	Z
01200	01200	12	12	50	100	4
01400	01400	14	14	50	100	4
01600	01600	16	16	50	100	4
01800	01800	18	18	50	100	4
02000.20	02000.20	20	20	50	100	4



- P1
- M3
- K5
- N6
- S2
- S4
- H1

MC



MD
MG 10

RK
NORM

SERIE
L

N
TYP

30°
HELIX

DIN
6535-HA

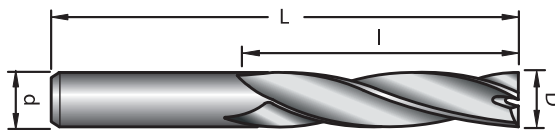
ABOC.FE.	D h10	d h6	l	L	R	Z
00600.0005	6	6	12	75	0,5	4
00600.0010	6	6	12	75	1	4
00800.0010	8	8	16	100	1	4
00800.0015	8	8	16	100	1,5	4

ABOC.FE.	D h10	d h6	l	L	R	Z
01000.0010	10	10	20	100	1	4
01000.0015	10	10	20	100	1,5	4
01200.0010	12	12	24	100	1	4
01200.0015	12	12	24	100	1,5	4



- P1
- M3
- K5
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD
MG 10

RK
NORM

SERIE
XL

N
TYP

30°
HELIX

DIN
6535-HA

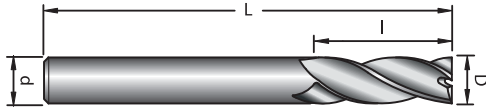
ADOD.FE.	D h10	d h6	l	L	Z
01000	10	10	45	100	4
01200	12	12	75	160	4
01400	14	14	75	160	4

ADOD.FE.	D h10	d h6	l	L	Z
01600	16	16	75	160	4
02000	20	20	75	160	4



- P1
- M3
- K5
- N6
- N8
- N9
- S2
- S4
- H1

MC



MD
MG 10

RK
NORM

SERIE
XL

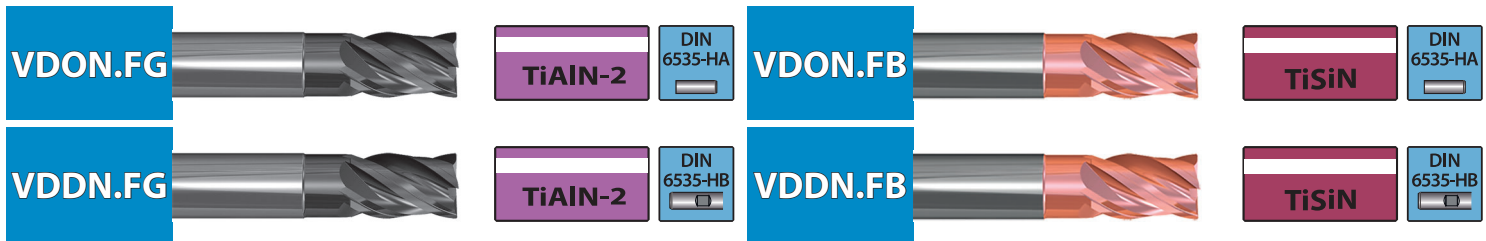
N
TYP

30°
HELIX

DIN
6535-HA

ABOD.FO.	ABOD.FG.	D	d	l	L	Z
		h10	h6			
00300	00300	3	3	10	75	4
00400	00400	4	4	11	100	4
00500	00500	5	5	13	100	4
00600	00600	6	6	13	150	4
00800	00800	8	8	19	150	4

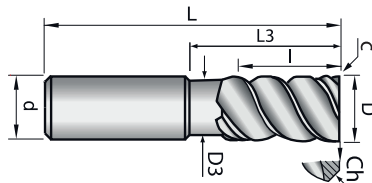
ABOD.FO.	ABOD.FG.	D	d	l	L	Z
		h10	h6			
01000	01000	10	10	22	150	4
01200	01200	12	12	26	150	4
01400	01400	14	14	26	150	4
01600	01600	16	16	32	150	4
02000.20	02000.20	20	20	38	150	4



- P1
- K5
- H1

- M3
- S2
- S4

HPC



MD
MG 10

DIN
6527L
NORM

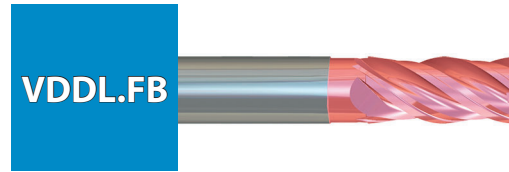
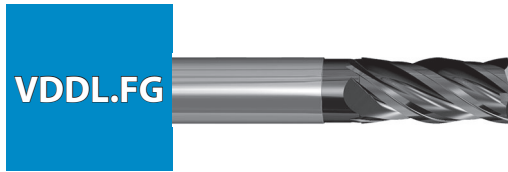
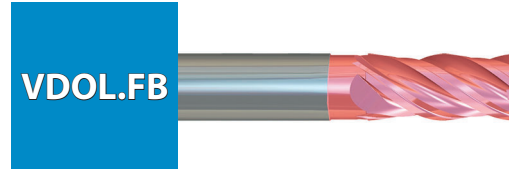
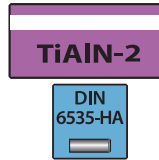
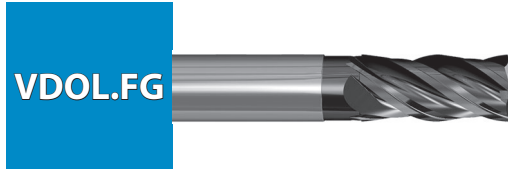
SERIE
N

RK
TYP

36°±39°
HELIX

VDON.FG.	VDDN.FG.	D	d	l	L	Z	D3	L3	Ch	c
		h10	h6						45°	
00600	00600	6	6	13	57	4	5,7	21	0,1	0,2
00800	00800	8	8	19	63	4	7,5	27	0,2	0,3
01000	01000	10	10	22	72	4	9,5	32	0,2	0,3
01200	01200	12	12	26	83	4	11,5	38	0,3	0,4
01400		14	14	26	83	4	13,5	38	0,3	0,4
01600	01600	16	16	32	92	4	15,5	44	0,3	0,4
02000	02000	20	20	38	104	4	19,5	54	0,3	0,4

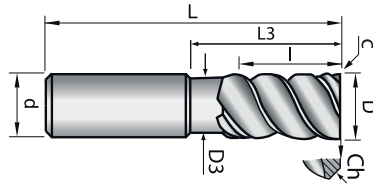
VDON.FB.	VDDN.FB.	D	d	l	L	Z	D3	L3	Ch	c
		h10	h6						45°	
00600	00600	6	6	13	57	4	5,7	21	0,1	0,2
00800	00800	8	8	19	63	4	7,5	27	0,2	0,3
01000	01000	10	10	22	72	4	9,5	32	0,2	0,3
01200	01200	12	12	26	83	4	11,5	38	0,3	0,4
01400		14	14	26	83	4	13,5	38	0,3	0,4
01600	01600	16	16	32	92	4	15,5	44	0,3	0,4
02000	02000	20	20	38	104	4	19,5	54	0,3	0,4



P1 K5 H1

M3 S2 S4

HPC



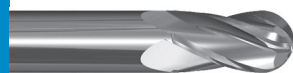
MD MG 10 **RK NORM** **SERIE L** **RK TYP** **36°±39° HELIX**



VDOL.FG.	VDDL.FG.	D h10	d h6	I	L	Z	D3	L3	Ch 45°	c
00600	00600	6	6	18	66	4	5,7	25	0,1	0,2
00800	00800	8	8	24	80	4	7,5	30	0,2	0,3
01000	01000	10	10	30	90	4	9,5	35	0,2	0,3
01200	01200	12	12	36	102	4	11,5	45	0,3	0,4
01600	01600	16	14	48	110	4	13,5	60	0,3	0,4
02000	02000	20	16	60	130	4	15,5	75	0,3	0,4

VDOL.FB.	VDDL.FB.	D h10	d h6	I	L	Z	D3	L3	Ch 45°	c
00600	00600	6	6	18	66	4	5,7	25	0,1	0,2
00800	00800	8	8	24	80	4	7,5	30	0,2	0,3
01000	01000	10	10	30	90	4	9,5	35	0,2	0,3
01200	01200	12	12	36	102	4	11,5	45	0,3	0,4
01600	01600	16	14	48	110	4	13,5	60	0,3	0,4
02000	02000	20	16	60	130	4	15,5	75	0,3	0,4

AIOA.FO



NO



BDON.CG



TiAlN-2



AIOA.FB



TiSiN



BDDN.CG

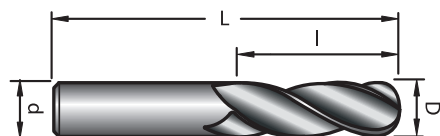


TiAlN-2



P1 M3 K5 N6 N8 N9 S2 S4 H1

MC



AIOA.FO.	AIOA.FB.	D	d	l	L	Z	R
		h9	h6				±0,02
00400	00400	4	4	12	40	4	2
00500	00500	5	5	14	50	4	2,5
00600	00600	6	6	16	50	4	3
00700	00700	7	7	20	60	4	3,5
00800	00800	8	8	20	60	4	4
00900	00900	9	9	20	60	4	4,5
01000	01000	10	10	22	70	4	5
01200	01200	12	12	22	75	4	6
01400	01400	14	14	25	75	4	7
01600	01600	16	16	25	75	4	8
01800	01800	18	18	32	100	4	9
02000.20	02000.20	20	20	32	100	4	10

BDON.CG.	BDDN.CG.	D	d	l	L	Z	R
		h9	h6				±0,02
00400		4	4	12	40	4	2
00500		5	5	14	50	4	2,5
00600	00600	6	6	16	50	4	3
00800	00800	8	8	20	60	4	4
01000	01000	10	10	22	70	4	5
01200	01200	12	12	22	75	4	6
01600	01600	16	16	25	75	4	8
02000	02000	20	20	32	100	4	10

AIOB.FO



NO

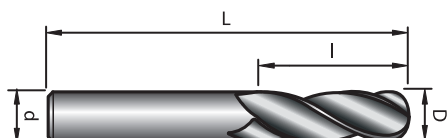
AIOB.FG



TiAlN-2

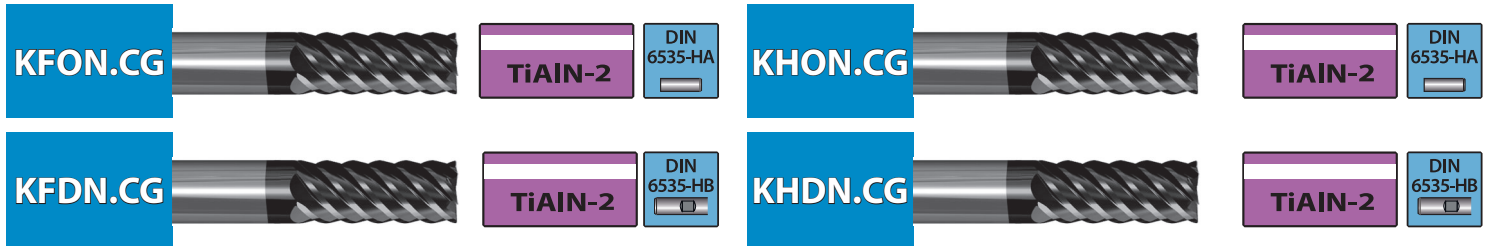
P1 M3 K5 N6 N8 N9 S2 S4 H1

MC

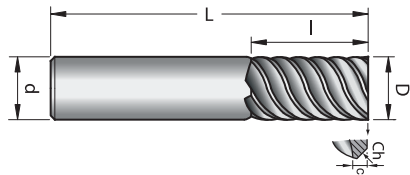


AIOB.FO.	AIOB.FG.	D	d	l	L	Z	R
		h9	h6				±0,02
00400	00400	4	4	30	60	4	2
00500	00500	5	5	35	70	4	2,5
00600	00600	6	6	40	100	4	3
00800	00800	8	8	40	100	4	4
01000	01000	10	10	50	100	4	5

AIOB.FO.	AIOB.FG.	D	d	l	L	Z	R
		h9	h6				±0,02
01200	01200	12	12	50	100	4	6
01400	01400	14	14	50	100	4	7
01600	01600	16	16	50	100	4	8
01800	01800	18	18	50	100	4	9
02000.20	02000.20	20	20	50	100	4	10

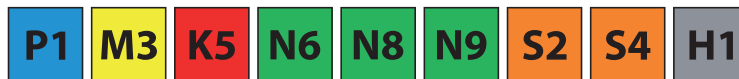
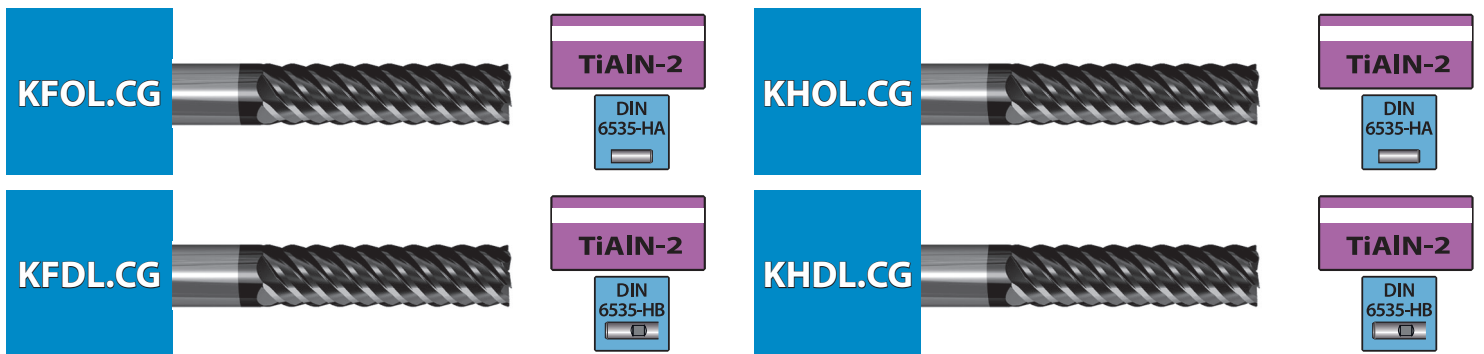


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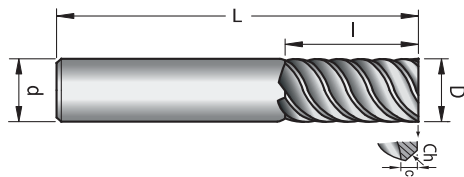


KFON.CG.	KFDN.CG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
00600	00600	6	6	13	57	6	0,25	0,15
00800	00800	8	8	19	63	6	0,25	0,15
01000	01000	10	10	22	72	6	0,25	0,15
01200	01200	12	12	26	83	6	0,25	0,15
01400		14	14	26	83	6	0,35	0,2
01600	01600	16	16	32	92	6	0,35	0,2

KHON.CG.	KHDN.CG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
01800		18	18	50	110	8	0,35	0,2
02000	02000	20	20	60	125	8	0,35	0,2
02500	02500	25	25	70	135	8	0,35	0,2



MC

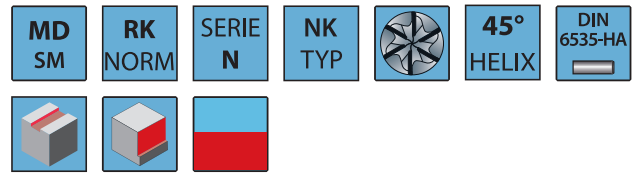
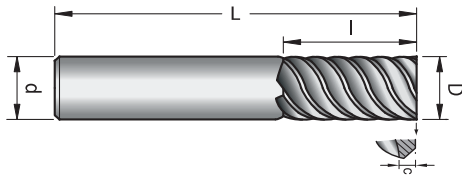


KFOL.CG.	KFDL.CG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
00600	00600	6	6	20	65	6	0,25	0,15
00800	00800	8	8	25	70	6	0,25	0,15
01000	01000	10	10	30	80	6	0,25	0,15
01200	01200	12	12	45	100	6	0,25	0,15
01400		14	14	45	100	6	0,35	0,2
01600	01600	16	16	50	110	6	0,35	0,2

KHOL.CG.	KHDL.CG.	D	d	l	L	Z	c	Ch
		h10	h6					45°
01800		18	18	50	110	8	0,35	0,2
02000	02000	20	20	60	125	8	0,35	0,2
02500	02500	25	25	70	135	8	0,35	0,2



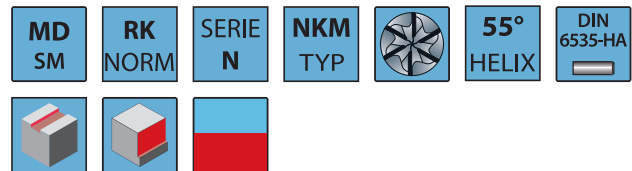
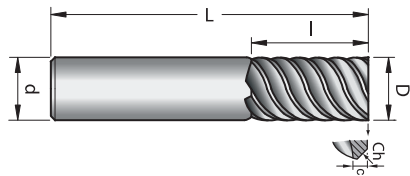
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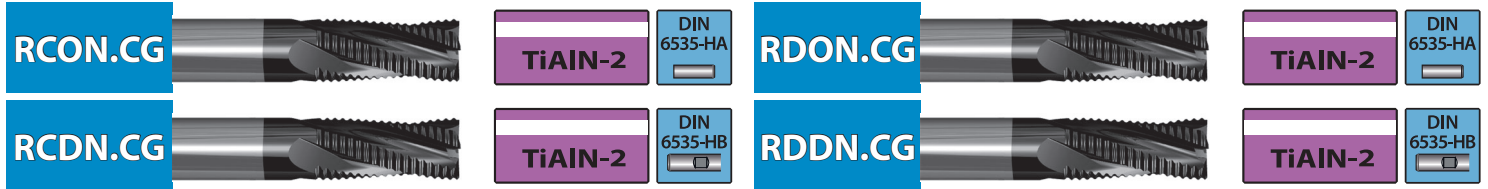
MFON.EB.	D	d	l	L	Z	c
	h10	h6				
00600	6	6	15	58	6	0,10
00800	8	8	20	75	6	0,15
01000	10	10	25	80	6	0,20
01200	12	12	30	100	6	0,25



HPC

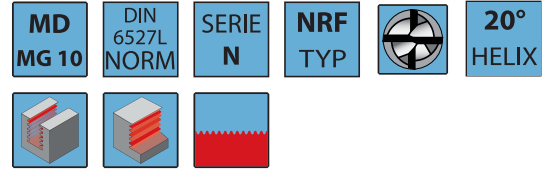
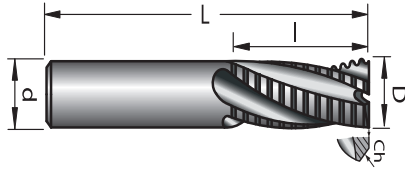


KFON.EB.	D	d	l	L	Z	c	Ch
	h10	h6					45°
00300	3	6	10	58	4	0,25	0,15
00400	4	6	12	58	4	0,25	0,15
00500	5	6	15	58	4	0,25	0,15
00600	6	6	15	58	6	0,25	0,15
00800	8	8	20	75	6	0,25	0,15
01000	10	10	25	80	6	0,25	0,15
01200	12	12	30	100	6	0,25	0,15
01600	16	16	40	104	6	0,35	0,2
02000	20	20	45	104	8	0,35	0,2
02500	25	25	50	120	8	0,35	0,2



P1 M3 K5 N6 S2 S4 H1

MC

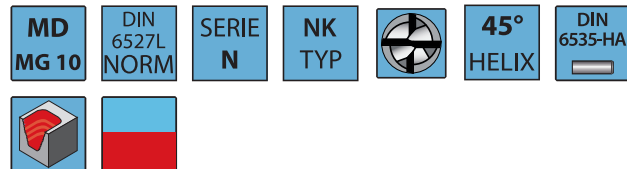
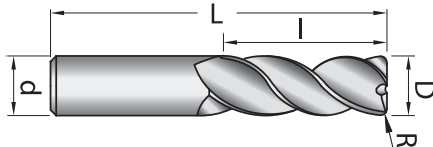


RCON.CG	RCDN.CG	D	d	l	L	Z	Ch
		h10	h6				45°
00600	00600	6	6	13	57	3	0,5
00700		7	8	19	63	3	0,5
00800	00800	8	8	19	63	3	0,5

RDON.CG	RDDN.CG	D	d	l	L	Z	Ch
		h10	h6				45°
00900		9	10	22	72	4	0,5
01000	01000	10	10	22	72	4	0,5
01100		11	12	26	83	4	0,5
01200	01200	12	12	26	83	4	0,5
01300		13	14	26	83	4	0,5
01400		14	14	26	83	4	0,5
01500		15	16	32	92	4	0,5
01600	01600	16	16	32	92	4	0,5
02000	02000	20	20	38	104	4	0,5



MC



ADOB.FG.	D	d	l	L	Z	R
	h10	h6				±0,02
00200	2	3	7	38	4	0,1
00300	3	3	8	38	4	0,1
00300.0002	3	3	8	38	4	0,2
00300.0005	3	3	8	38	4	0,5
00400	4	6	11	57	4	0,1
00400.0002	4	6	11	57	4	0,2
00400.0005	4	6	11	57	4	0,5
00400.0010	4	6	11	57	4	1
00500	5	6	13	57	4	0,1
00500.0002	5	6	13	57	4	0,2
00500.0005	5	6	13	57	4	0,5
00500.0008	5	6	13	57	4	0,8
00600	6	6	13	57	4	0,1
00600.0002	6	6	13	57	4	0,2
00600.0005	6	6	13	57	4	0,5
00600.0008	6	6	13	57	4	0,8
00600.0010	6	6	13	57	4	1
00600.0020	6	6	13	57	4	2
00800	8	8	19	63	4	0,1
00800.0002	8	8	19	63	4	0,2
00800.0005	8	8	19	63	4	0,5
00800.0008	8	8	19	63	4	0,8
00800.0010	8	8	19	63	4	1
00800.0015	8	8	19	63	4	1,5

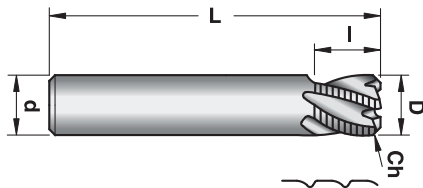
ADOB.FG.	D	d	l	L	Z	R
	h10	h6				±0,02
00800.0020	8	8	19	63	4	2
00800.0025	8	8	19	63	4	2,5
00800.0030	8	8	19	63	4	3
01000	10	10	22	72	4	0,15
01000.0005	10	10	22	72	4	0,5
01000.0008	10	10	22	72	4	0,8
01000.0010	10	10	22	72	4	1
01000.0015	10	10	22	72	4	1,5
01000.0020	10	10	22	72	4	2
01000.0025	10	10	22	72	4	2,5
01000.0030	10	10	22	72	4	3
01000.0040	10	10	22	72	4	4
01200	12	12	26	83	4	0,15
01200.0005	12	12	26	83	4	0,5
01200.0008	12	12	26	83	4	0,8
01200.0010	12	12	26	83	4	1
01200.0015	12	12	26	83	4	1,5
01200.0020	12	12	26	83	4	2
01200.0025	12	12	26	83	4	2,5
01200.0030	12	12	26	83	4	3
01200.0040	12	12	26	83	4	4
01600	16	16	32	92	4	0,15
01600.0005	16	16	32	92	4	0,5
01600.0008	16	16	32	92	4	0,8

ADOB.FG.	D	d	l	L	Z	R
	h10	h6				±0,02
01600.0010	16	16	32	92	4	1
01600.0012	16	16	32	92	4	1,2
01600.0015	16	16	32	92	4	1,5
01600.0018	16	16	32	92	4	1,8
01600.0020	16	16	32	92	4	2
01600.0025	16	16	32	92	4	2,5
01600.0030	16	16	32	92	4	3
01600.0040	16	16	32	92	4	4
01600.0050	16	16	32	92	4	5
02000.20	20	20	38	104	4	0,15
02000.2005	20	20	38	104	4	0,5
02000.2008	20	20	38	104	4	0,8
02000.2010	20	20	38	104	4	1
02000.2012	20	20	38	104	4	1,2
02000.2015	20	20	38	104	4	1,5
02000.2020	20	20	38	104	4	2
02000.2025	20	20	38	104	4	2,5
02000.2030	20	20	38	104	4	3
02000.2040	20	20	38	104	4	4
02000.2045	20	20	38	104	4	4,5
02000.2050	20	20	38	104	4	5
02000.2055	20	20	38	104	4	5,5
02000.2060	20	20	38	104	4	6



TiAlN-2 P1 M3 K5 N6 S2 S4 H1

MC



MD MG 10 DIN 6527L NORM SERIE N NF TYP 30° HELIX DIN 6535-HA

ABOH.FG.	D	d	l	L	Z	Ch
	h10	h6				45°
00600	6	6	13	57	4	0,3
00800	8	8	19	63	4	0,3
01000	10	10	22	72	4	0,3

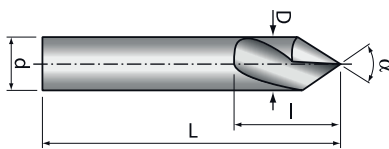
ABOH.FG.	D	d	l	L	Z	Ch
	h10	h6				45°
01200	12	12	26	83	4	0,4
01600	16	16	32	92	4	0,5
02000.20	20	20	38	104	4	0,5

Fräser für graviert
 Frese per incisione
 Engraving end mill



NO P1 M3 K5 N6 N7 N8 N9 S2 S4 H1

MC



MD MG 10 RK NORM SERIE N 0° HELIX DIN 6535-HA

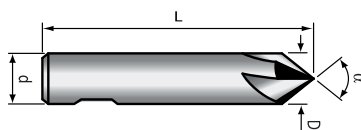
CAOF.FO.	D	d	α	l	L	Z
		h6	$\pm 15'$			
00300	3	3	60°	15	50	1
00400	4	4	60°	18	50	1
00600	6	6	60°	20	54	1

Kegelsenker
 Svasatore
 Countersinker



P1 M3 K5 N6 N7 N8 N9 S2 S4 H1

MC



MD MG 10 RK NORM SERIE N 0° HELIX DIN 6535-HB

CDDI.FG.	D	d	α	L	Z	CDDF.FG.	D	α
		h6	$\pm 15'$					$\pm 15'$
00400	4	4	90°	54	4	00400	4	60°
00600	6	6	90°	57	4	00600	6	60°
00800	8	8	90°	63	4	00800	8	60°
01000	10	10	90°	72	4	01000	10	60°
01200	12	12	90°	83	4	01200	12	60°

* Zylinderschaft - Item CDDI.FG.00400 und CDDF.FG.00400

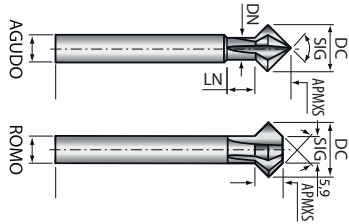
* Gambo cilindrico - Item CDDI.FG.00400 e CDDF.FG.00400

* Straight shank - Item Item CDDI.FG.00400 and CDDF.FG.00400



P1 M3 K5 N6 N7 N8 N9 S2 S4 H1

MC

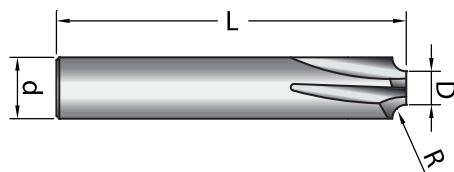


MD MG 10 RK NORM SERIE L 0° HELIX DIN 6535-HA

DDOI.FG.	D	d	α	l	L	Z	D3	L3	TIPO
		h6	$\pm 15'$						
00300	3	4	90°	2	75	4	2,2	10	AGUDO
00400	4	4	90°	2,7	75	4	2,9	13	AGUDO
00500	5	5	90°	3	75	4	3,9	15	AGUDO
00600	6	6	90°	4	100	4	3,9	15	AGUDO
00800	8	6	90°	2	100	4			ROMO
01000	10	6	90°	4	100	4			ROMO
01200	12	6	90°	6	100	4			ROMO



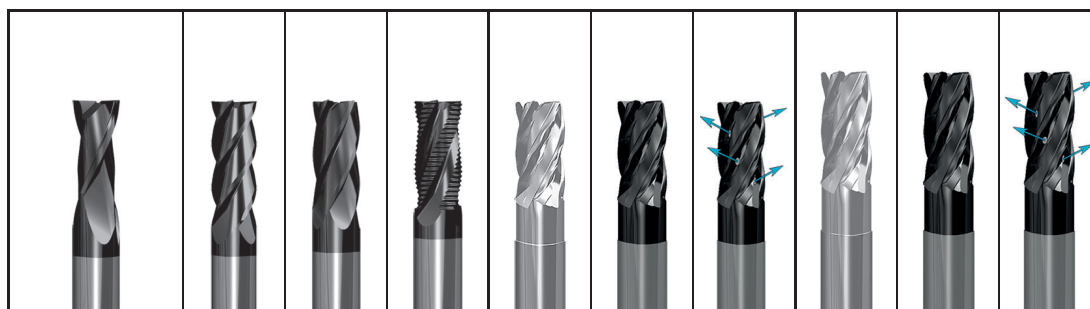
MC



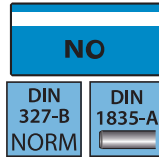
MD MG 10 RK NORM SERIE N 0° HELIX DIN 6535-HA

RCOA.FG.	D	d	L	Z	R
	h10	h6			$\pm 0,01$
00540.0003	5,4	6	57	4	0,3
00520.0004	5,2	6	57	4	0,4
00500.0005	5	6	57	4	0,5
00680.0006	6,8	8	63	4	0,6
00640.0008	6,4	8	63	4	0,8
00600.0010	6	8	63	4	1
00700.0015	7	10	72	4	1,5
00600.0020	6	10	72	4	2
00700.0025	7	12	83	4	2,5
00600.0030	6	12	83	4	3
00900.0035	9	16	92	4	3,5
00800.0040	8	16	92	4	4
01100.0045	11	20	104	4	4,5
01000.0050	10	20	104	4	5

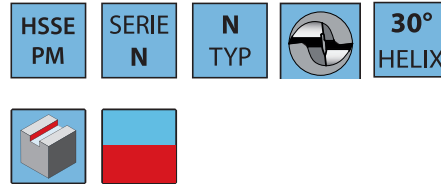
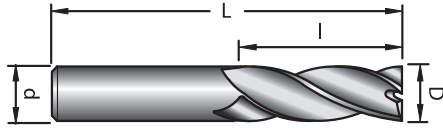
INHALT
INDICE
INDEX



ITEM	DIN 1835-A				DIN 1835-B									
	B00.IA	ADOB.IA	AAOB.IA	AEOF.IA	BDO.IA	ADDB.IA	AADB.IA	AEDF.IA	AFDB.GO	AFDB.GA	AFDB.GA ...RI	AFDC.GO	AFDC.GA	AFDC.GA ...RI
Z	2		4		5		4-6		4-5			4-5		
ROHMATERIAL MATERIALE RAW MATERIAL	HSSE PM				HSSE PM									
BESCHICHTUNG RIVESTIMENTO COATING	TiAIN-1				NO	TiAIN-1		NO	TiAIN-1		NO	TiAIN-1		
NORM NORMA STANDARD	DIN 327-B NORM	DIN 327-D NORM	DIN 844-A NORM	DIN 844-B NORM	DIN 844-B NORM									
SERIEN SERIE SERIE	SERIE N				SERIE N			SERIE L						
TYP TIPO TYPE	SERIE N	NK TYP	SERIE N	NRFF TYP	NWC TYP									
FRONTANSICHT VISTA FRONTALE FRONT VIEW														
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX	45° HELIX	30° HELIX		30° HELIX									
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING														
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING														
Ø	2 ÷ 20		4 ÷ 30		6 ÷ 32		6 ÷ 32		16 ÷ 32		16 ÷ 32		16 ÷ 32	
□	2-2		2-2		2-3		2-3		2-4			2-5		
P1	Stahl / Acciaio / Steel		P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3
K5	Gusseisen / Ghisa / Cast iron		K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5
N7	Legierungen / Alloys / Leghe: Al + Mg													
N6	Legierungen / Alloys / Leghe: Cu													
N8	Sintetische Materialien / Materia- li sintetici / Sintetic materials													
N9	Graphit / Grafite / Graphite													
S2	Legierungen / Alloys / Leghe : Ti		S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2
S4	Legierungen / Alloys / Leghe : Ni		S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC													
H2	Stahl / Acciaio / Steel : 50 ÷ 70 HRC													

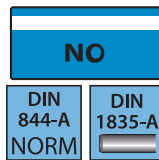


HPC

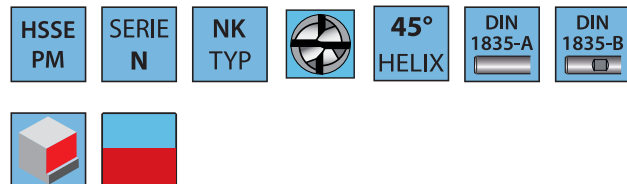
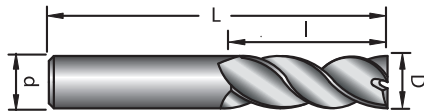


BOO.IA.	BDO.IA.	D	d	l	L	Z
		e8	h6			
00200	00200	2	6	4	48	2
00250	00250	2,5	6	5	49	2
00300	00300	3	6	5	49	2
00350	00350	3,5	6	6	50	2
00400	00400	4	6	7	51	2
00450	00450	4,5	6	7	51	2
00500	00500	5	6	8	52	2
00550	00550	5,5	6	8	52	2
00600	00600	6	6	8	52	2
00650	00650	6,5	10	10	60	2
00700	00700	7	10	10	60	2

BOO.IA.	BDO.IA.	D	d	l	L	Z
		e8	h6			
00750	00750	7,5	10	10	60	2
00800	00800	8	10	11	61	2
00850	00850	8,5	10	11	61	2
00900	00900	9	10	11	61	2
01000	01000	10	10	13	63	2
01200	01200	12	12	16	73	2
01400	01400	14	12	16	73	2
01500	01500	15	12	16	73	2
01600	01600	16	16	19	79	2
01800	01800	18	16	19	79	2
02000.20	02000.20	20	20	22	88	2

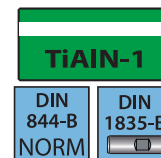
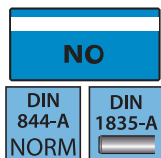


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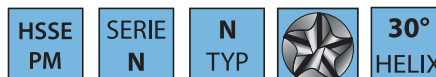
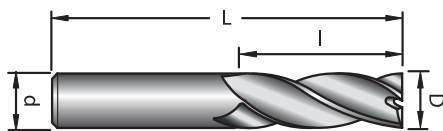


ADOB.IA.	ADDB.IA.	D	d	l	L	Z
		k10	h6			
00400	00400	4	6	11	55	4
00500	00500	5	6	13	57	4
00600	00600	6	6	13	57	4
00700	00700	7	10	16	66	4
00800	00800	8	10	19	69	4
00900	00900	9	10	19	69	4
01000	01000	10	10	22	72	4
01100	01100	11	12	22	79	4
01200	01200	12	12	26	83	4
01300	01300	13	12	26	83	4

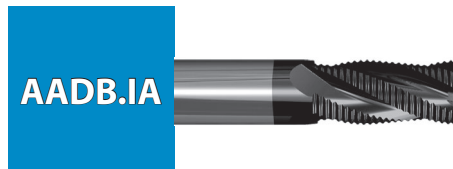
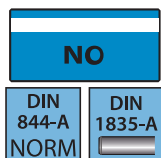
ADOB.IA.	ADDB.IA.	D	d	l	L	Z
		k10	h6			
01400	01400	14	12	26	83	4
01500	01500	15	12	26	83	4
01600	01600	16	16	32	92	4
01800	01800	18	16	32	92	4
02000.20	02000.20	20	20	38	104	4
02200.20	02200.20	22	20	38	104	4
02500	02500	25	25	45	121	4
02800	02800	28	25	45	121	4
03000	03000	30	25	45	121	4



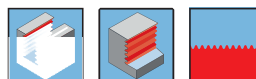
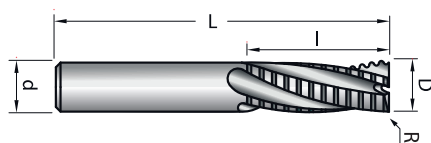
HPC



AAOB.IA.	AADB.IA.	D k10	d h6	l	L	Z
00600	00600	6	6	13	57	5
00800	00800	8	10	19	69	5
01000	01000	10	10	22	72	5
01200	01200	12	12	26	83	5
01600	01600	16	16	32	92	5
02000.20	02000.20	20	20	38	104	5
02500	02500	25	25	45	121	5
03200	03200	32	32	53	133	5

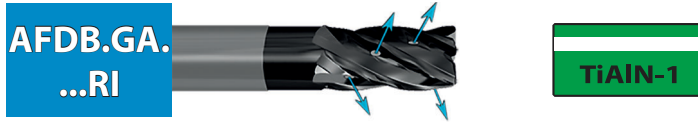


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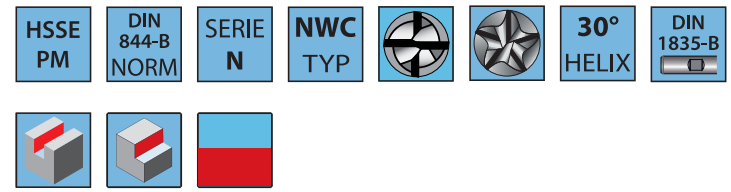
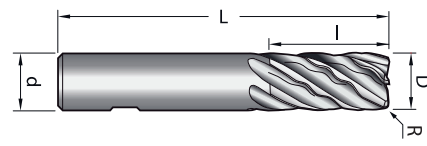


AEOF.IA.	AEDF.IA.	D k12	d h6	l	L	Z	R ±0,02
00600	00600	6	6	13	57	4	
00700	00700	7	10	16	66	4	
00800	00800	8	10	19	69	4	
00900	00900	9	10	19	69	4	
01000	01000	10	10	22	72	4	
01100	01100	11	12	22	79	4	
01200	01200	12	12	26	83	4	
	012000025	12	12	26	83	4	2,5
	012000040	12	12	26	83	4	4
01300	01300	13	12	26	83	4	
01400	01400	14	12	26	83	4	
01500	01500	15	12	26	83	4	
01600	01600	16	16	32	92	4	
	016000025	16	16	32	92	4	2,5

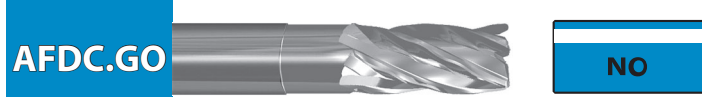
AEOF.IA.	AEDF.IA.	D k12	d h6	l	L	Z	R ±0,02
	016000040	16	16	32	92	4	4
01800	01800	18	16	32	92	4	
0200020	0200020	20	20	38	104	4	
	020002025	20	20	38	104	4	2,5
	020002040	20	20	38	104	4	4
	020002060	20	20	38	104	4	6
0220020	0220020	22	20	38	104	4	
02500	02500	25	25	45	121	4	
	025000025	25	25	45	121	4	2,5
	025000040	25	25	45	121	4	4
	025000060	25	25	45	121	4	6
02800	02800	28	25	45	121	4	
03000	03000	32	32	53	133	6	



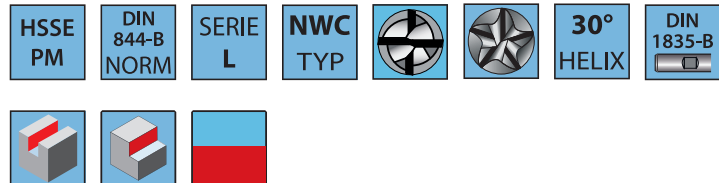
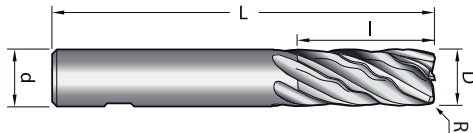
HPC



AFDB.GO.	AFDB.GA.	AFDB.GA. ...RI	D	d	l	L	Z	R
			k10	h6				±0,05
01600.0010	01600.0010	01600.RI10	16	16	32	92	4	1
01600.0025	01600.0025	01600.RI25	16	16	32	92	4	2,5
01600.0040	01600.0040	01600.RI40	16	16	32	92	4	4
02000.0010	02000.0010	02000.RI10	20	20	38	104	4	1
02000.0025	02000.0025	02000.RI25	20	20	38	104	4	2,5
02000.0040	02000.0040	02000.RI40	20	20	38	104	4	4
02500.0010	02500.0010	02500.RI10	25	25	45	121	5	1
02500.0025	02500.0025	02500.RI25	25	25	45	121	5	2,5
02500.0040	02500.0040	02500.RI40	25	25	45	121	5	4
03200.0010	03200.0010	03200.RI10	32	32	53	133	5	1
03200.0025	03200.0025	03200.RI25	32	32	53	133	5	2,5
03200.0040	03200.0040	03200.RI40	32	32	53	133	5	4

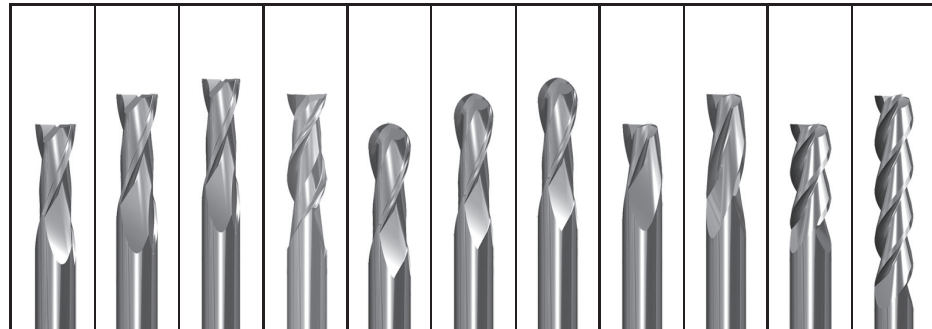


HPC



AFDC.GO.	AFDC.GA.	AFDC.GA. ...RI	D	d	l	L	Z	R
			k10	h6				
01600.0010	01600.0010	01600.RI10	16	16	63	123	4	1
01600.0025	01600.0025	01600.RI25	16	16	63	123	4	2,5
01600.0040	01600.0040	01600.RI40	16	16	63	123	4	4
02000.0010	02000.0010	02000.RI10	20	20	75	141	4	1
02000.0025	02000.0025	02000.RI25	20	20	75	141	4	2,5
02000.0040	02000.0040	02000.RI40	20	20	75	141	4	4
02500.0010	02500.0010	02500.RI10	25	25	90	166	5	1
02500.0025	02500.0025	02500.RI25	25	25	90	166	5	2,5
02500.0040	02500.0040	02500.RI40	25	25	90	166	5	4
03200.0010	03200.0010	03200.RI10	32	32	106	186	5	1
03200.0025	03200.0025	03200.RI25	32	32	106	186	5	2,5
03200.0040	03200.0040	03200.RI40	32	32	106	186	5	4

INHALT
INDICE
INDEX



ITEM	DIN 1835-A												
	NO	BOO.HO	BOA.HO	BOD.HO	COA.HO	IOA.HO	IOB.HO	IOC.HO	COB.HO	COC.HO	DOB.HO	DOC.HO	
	TiAIN-1	BOO.HA	BOA.HA	BDD.HA				COB.HA	COC.HA	DOB.HA	DOC.HA		
	DIN 1835-B												
	NO	BDO.HO	BDA.HO	BOD.HO	CDA.HO				CDB.HO	CDC.HO	DDB.HO	DDC.HO	
	TiAIN-1	BDO.HA	BDA.HA	BDD.HA			IDA.HA	IDB.HA	IDC.HA	CDB.HA	CDC.HA	DDB.HA	DDC.HA
Z		2	2	2	2	2	2	2	3	3	3	3	
ROHATERIAL MATERIALE RAW MATERIAL		HSSE Co 8		HSSE Co 8		HSSE Co 8			HSSE Co 8		HSSE Co 8		
NORM NORMA STANDARD		DIN 327-B NORM	DIN 844-A NORM	RK NORM	RK NORM	DIN 327-B NORM	DIN 844-A NORM	RK NORM	DIN 327-B NORM	DIN 844-A NORM	DIN 844-A NORM		
		DIN 327-D NORM	DIN 844-B NORM			DIN 327-D NORM	DIN 844-B NORM		DIN 327-D NORM	DIN 844-B NORM	DIN 844-B NORM		
SERIEN SERIE SERIE		SERIE S	SERIE N	SERIE L	SERIE L	SERIE S	SERIE N	SERIE L	SERIE S	SERIE N	SERIE N	SERIE L	
TYP TIPO TYPE		N TYP		W TYP		N TYP			N TYP		W TYP		
FRONTANSICHT VISTA FRONTALE FRONT VIEW													
HELIX WINKEL ELICA ANGOLO HELIX ANGLE		30° HELIX		40° HELIX		30° HELIX			30° HELIX		45° HELIX		
ART DER FRÄSBEARBEITUNG TIPO DI FRESATURA TYPE OF MILLING													
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING													
Ø		2 ÷ 40	2 ÷ 30	2 ÷ 30	6 ÷ 25	3 ÷ 30	3 ÷ 30	3 ÷ 25	2 ÷ 30	2 ÷ 30	4 ÷ 30	4 ÷ 20	
		2-8	2-9	2-10	2-11	2-11	2-12	2-12	2-13	2-14	2-15	2-16	

ABOB.HO	ABOC.HO				BOF.HO	ABOF.HO	ABOG.HO	
ABOB.HA					BDF.HO	ABOF.HA	ABOG.HA	AEOF.HA
ABDB.HO					BOF.HA	ABDF.HO	ABDG.HO	
ABDB.HA	ABDC.HA	ADDB.HA	ADDC.HA	ABDH.HA	BDF.HA	ABDF.HA	ABDG.HA	AEDF.HA
4 - 6		4		4	4 - 6			
HSSE Co 8		HSSE Co 8		HSSE Co 8	HSSE Co 8			
DIN 844-A NORM		DIN 844-B NORM		DIN 844-B NORM	DIN 844-A NORM			
DIN 844-B NORM					DIN 844-B NORM			
SERIE N	SERIE L	SERIE N	SERIE L	SERIE N	SERIE N		SERIE L	SERIE N
N TYP		NK TYP		NF TYP	NR TYP	NRF TYP	NRF TYP	NRFF TYP
30° HELIX		45° HELIX		30° HELIX	30° HELIX			
2 ÷ 40	3 ÷ 32	4 ÷ 30	4 ÷ 20	6 ÷ 25	6 ÷ 40	6 ÷ 40	6 ÷ 32	5 ÷ 32
2-17	2-16	2-18	2-18	2-19	2-19	2-20	2-21	2-21



NO

DIN 327-B NORM DIN 1835-A



TiAIN-1

DIN 327-B NORM DIN 1835-A



NO

DIN 327-D NORM DIN 1835-B

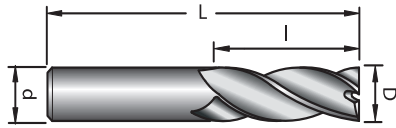


TiAIN-1

DIN 327-D NORM DIN 1835-B

P1 M3 K5 N6 S2 S4

MC



HSSE Co 8 SERIE S N TYP 30° HELIX

BOO.HO.	BDO.HO.	D e8	d h6	l	L	Z
00200	00200	2	6	4	48	2
00250	00250	2,5	6	5	49	2
00300	00300	3	6	5	49	2
00350	00350	3,5	6	6	50	2
00400	00400	4	6	7	51	2
00450	00450	4,5	6	7	51	2
00500	00500	5	6	8	52	2
00550	00550	5,5	6	8	52	2
00600	00600	6	6	8	52	2
00650	00650	6,5	10	10	60	2
00700	00700	7	10	10	60	2
00750	00750	7,5	10	10	60	2
00800	00800	8	10	11	61	2
00850	00850	8,5	10	11	61	2
00900	00900	9	10	11	61	2
00950	00950	9,5	10	11	61	2
01000	01000	10	10	13	63	2
01050	01050	10,5	12	13	70	2
01100	01100	11	12	13	70	2
01200	01200	12	12	16	73	2
01300	01300	13	12	16	73	2
01400	01400	14	12	16	73	2
01500	01500	15	12	16	73	2
01600	01600	16	16	19	79	2
01700	01700	17	16	19	79	2
01800	01800	18	16	19	79	2
01900	01900	19	16	19	79	2
02000.20	02000.20	20	20	22	88	2
02200.20	02200.20	22	20	22	88	2
02400	02400	24	25	26	102	2
02500	02500	25	25	26	102	2
02600	02600	26	25	26	102	2
02800	02800	28	25	26	102	2
03000	03000	30	25	26	102	2
03200	03200	32	32	32	112	2
03600	03600	36	32	32	112	2
04000	04000	40	32	38	118	2

BOO.HA.	BDO.HA.	D e8	d h6	l	L	Z
00200	00200	2	6	4	48	2
00250	00250	2,5	6	5	49	2
00300	00300	3	6	5	49	2
00350	00350	3,5	6	6	50	2
00400	00400	4	6	7	51	2
00450	00450	4,5	6	7	51	2
00500	00500	5	6	8	52	2
00550	00550	5,5	6	8	52	2
00600	00600	6	6	8	52	2
00650	00650	6,5	10	10	60	2
00700	00700	7	10	10	60	2
00750	00750	7,5	10	10	60	2
00800	00800	8	10	11	61	2
00850	00850	8,5	10	11	61	2
00900	00900	9	10	11	61	2
00950	00950	9,5	10	11	61	2
01000	01000	10	10	13	63	2
01050	01050	10,5	12	13	70	2
01100	01100	11	12	13	70	2
01200	01200	12	12	16	73	2
01300	01300	13	12	16	73	2
01400	01400	14	12	16	73	2
01500	01500	15	12	16	73	2
01600	01600	16	16	19	79	2
01700	01700	17	16	19	79	2
01800	01800	18	16	19	79	2
01900	01900	19	16	19	79	2
02000.20	02000.20	20	20	22	88	2
02200.20	02200.20	22	20	22	88	2
02400	02400	24	25	26	102	2
02500	02500	25	25	26	102	2
02600	02600	26	25	26	102	2
02800	02800	28	25	26	102	2
03000	03000	30	25	26	102	2
03200	03200	32	32	32	112	2
03600	03600	36	32	32	112	2
04000	04000	40	32	38	118	2



NO

DIN 844-A
NORM

DIN 1835-A



TiAIN-1

DIN 844-A
NORM

DIN 1835-A



NO

DIN 844-B
NORM

DIN 1835-B



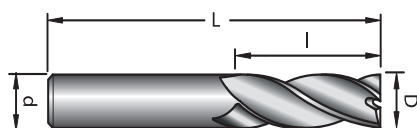
TiAIN-1

DIN 844-B
NORM

DIN 1835-B

- P1 M3 K5 N6 S2 S4**

MC



HSSE Co 8

SERIE N

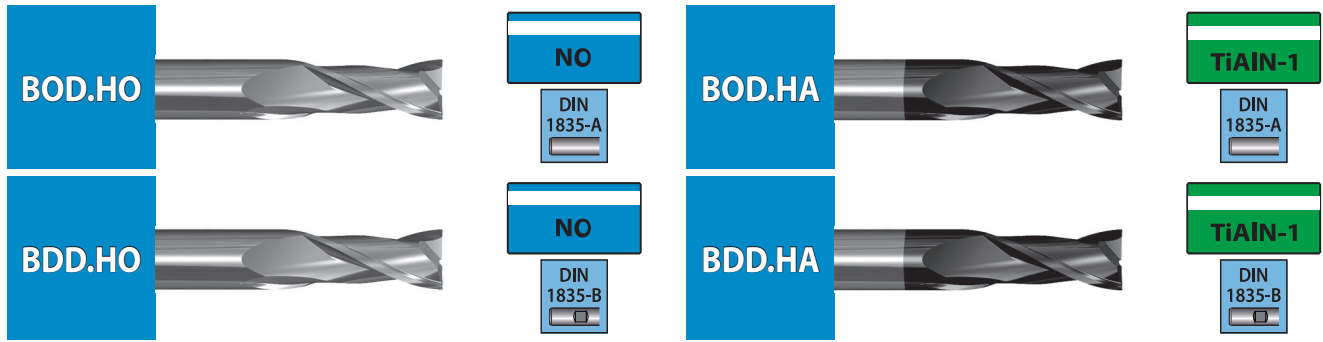
N TYP

30° HELIX

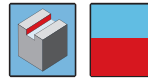
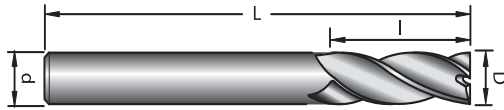


BOA.HO.	BDA.HO.	D e8	d h6	l	L	Z
00200	00200	2	6	7	51	2
00250	00250	2,5	6	8	52	2
00300	00300	3	6	8	52	2
00350	00350	3,5	6	10	54	2
00400	00400	4	6	11	55	2
00450	00450	4,5	6	11	55	2
00500	00500	5	6	13	57	2
00550	00550	5,5	6	13	57	2
00600	00600	6	6	13	57	2
00650	00650	6,5	10	16	66	2
00700	00700	7	10	16	66	2
00750	00750	7,5	10	16	66	2
00800	00800	8	10	19	69	2
00850	00850	8,5	10	19	69	2
00900	00900	9	10	19	69	2
00950	00950	9,5	10	19	69	2
01000	01000	10	10	22	72	2
01050	01050	10,5	12	22	79	2
01100	01100	11	12	22	79	2
01200	01200	12	12	26	83	2
01300	01300	13	12	26	83	2
01400	01400	14	12	26	83	2
01500	01500	15	12	26	83	2
01600	01600	16	16	32	92	2
01700	01700	17	16	32	92	2
01800	01800	18	16	32	92	2
01900	01900	19	16	32	92	2
02000.20	02000.20	20	20	38	104	2
02200.20	02200.20	22	20	38	104	2
02400	02400	24	25	45	121	2
02500	02500	25	25	45	121	2
02600	02600	26	25	45	121	2
02800	02800	28	25	45	121	2
03000	03000	30	25	45	121	2

BOA.HA.	BDA.HA.	D e8	d h6	l	L	Z
00200	00200	2	6	7	51	2
00250	00250	2,5	6	8	52	2
00300	00300	3	6	8	52	2
00350	00350	3,5	6	10	54	2
00400	00400	4	6	11	55	2
00450	00450	4,5	6	11	55	2
00500	00500	5	6	13	57	2
00550	00550	5,5	6	13	57	2
00600	00600	6	6	13	57	2
00650	00650	6,5	10	16	66	2
00700	00700	7	10	16	66	2
00750	00750	7,5	10	16	66	2
00800	00800	8	10	19	69	2
00850	00850	8,5	10	19	69	2
00900	00900	9	10	19	69	2
00950	00950	9,5	10	19	69	2
01000	01000	10	10	22	72	2
01050	01050	10,5	12	22	79	2
01100	01100	11	12	22	79	2
01200	01200	12	12	26	83	2
01300	01300	13	12	26	83	2
01400	01400	14	12	26	83	2
01500	01500	15	12	26	83	2
01600	01600	16	16	32	92	2
01700	01700	17	16	32	92	2
01800	01800	18	16	32	92	2
01900	01900	19	16	32	92	2
02000.20	02000.20	20	20	38	104	2
02200.20	02200.20	22	20	38	104	2
02400	02400	24	25	45	121	2
02500	02500	25	25	45	121	2
02600	02600	26	25	45	121	2
02800	02800	28	25	45	121	2
03000	03000	30	25	45	121	2

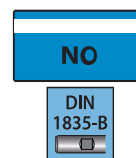
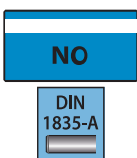


MC



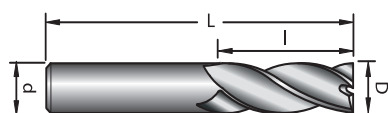
BOD.HO.	BDD.HO.	D	d	l	L	Z
		e8	h6			
00200	00200	2	6	7	54	2
00250	00250	2,5	6	8	56	2
00300	00300	3	6	8	56	2
00350	00350	3,5	6	10	59	2
00400	00400	4	6	11	63	2
00450	00450	4,5	6	11	63	2
00500	00500	5	6	13	68	2
00550	00550	5,5	6	13	68	2
00600	00600	6	6	13	68	2
00650	00650	6,5	10	16	80	2
00700	00700	7	10	16	80	2
00750	00750	7,5	10	16	80	2
00800	00800	8	10	19	88	2
00850	00850	8,5	10	19	88	2
00900	00900	9	10	19	88	2
00950	00950	9,5	10	19	88	2
01000	01000	10	10	22	95	2
01050	01050	10,5	12	22	102	2
01100	01100	11	12	22	102	2
01200	01200	12	12	26	110	2
01300	01300	13	12	26	110	2
01400	01400	14	12	26	110	2
01500	01500	15	12	26	110	2
01600	01600	16	16	32	123	2
01700	01700	17	16	32	123	2
01800	01800	18	16	32	123	2
02000.20	02000.20	20	20	38	141	2
02500	02500	25	25	45	166	2
03000	03000	30	25	45	166	2

BOD.HA.	BDD.HA.	D	d	l	L	Z
		e8	h6			
00200	00200	2	6	7	54	2
00250	00250	2,5	6	8	56	2
00300	00300	3	6	8	56	2
00350	00350	3,5	6	10	59	2
00400	00400	4	6	11	63	2
00450	00450	4,5	6	11	63	2
00500	00500	5	6	13	68	2
00550	00550	5,5	6	13	68	2
00600	00600	6	6	13	68	2
00650	00650	6,5	10	16	80	2
00700	00700	7	10	16	80	2
00750	00750	7,5	10	16	80	2
00800	00800	8	10	19	88	2
00850	00850	8,5	10	19	88	2
00900	00900	9	10	19	88	2
00950	00950	9,5	10	19	88	2
01000	01000	10	10	22	95	2
01050	01050	10,5	12	22	102	2
01100	01100	11	12	22	102	2
01200	01200	12	12	26	110	2
01300	01300	13	12	26	110	2
01400	01400	14	12	26	110	2
01500	01500	15	12	26	110	2
01600	01600	16	16	32	123	2
01700	01700	17	16	32	123	2
01800	01800	18	16	32	123	2
02000.20	02000.20	20	20	38	141	2
02500	02500	25	25	45	166	2
03000	03000	30	25	45	166	2



N7 N8

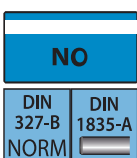
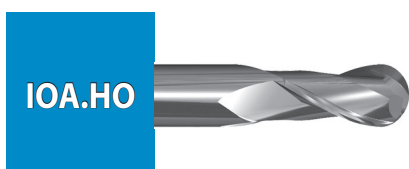
MC



HSSE Co 8 **SERIE L** **W TYP** **40° HELIX** **RK NORM**

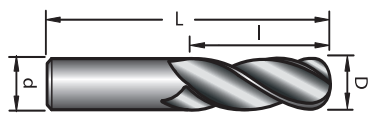
COA.HO.	CDA.HO.	D k10	d h6	l	L	Z
00600	00600	6	6	24	68	2
00800	00800	8	10	38	88	2
01000	01000	10	10	45	95	2
01200	01200	12	12	53	110	2
01400	01400	14	12	53	110	2

COA.HO.	CDA.HO.	D k10	d h6	l	L	Z
01600	01600	16	16	63	123	2
01800	01800	18	16	63	123	2
02000.20	02000.20	20	20	75	141	2
02200.20	02200.20	22	20	75	141	2
02500	02500	25	25	90	166	2



P1 M3 K5 N7 N6 N8 S2 S4

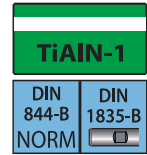
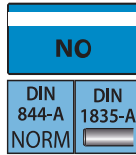
MC



HSSE Co 8 **SERIE S** **N TYP** **30° HELIX**

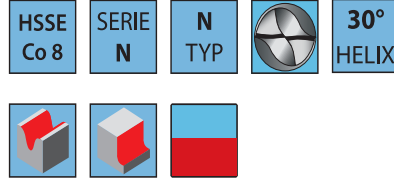
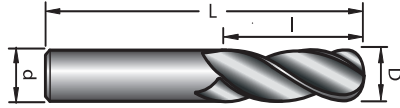
IOA.HO.	IDA.HA.	D e8	d h6	l	L	Z	R ±0,02
00300	00300	3	6	5	49	2	1,5
00400	00400	4	6	7	51	2	2
00500	00500	5	6	8	52	2	2,5
00600	00600	6	6	8	52	2	3
00700	00700	7	10	10	60	2	3,5
00800	00800	8	10	11	61	2	4
00900	00900	9	10	11	61	2	4,5
01000	01000	10	10	13	63	2	5
01100	01100	11	12	13	70	2	5,5
01200	01200	12	12	16	73	2	6

IOA.HO.	IDA.HA.	D e8	d h6	l	L	Z	R ±0,02
01300	01300	13	12	16	73	2	6,5
01400	01400	14	12	16	73	2	7
01500	01500	15	12	16	73	2	7,5
01600	01600	16	16	19	79	2	8
01800	01800	18	16	19	79	2	9
02000.20	02000.20	20	20	22	88	2	10
02200.20	02200.20	22	20	22	88	2	11
02400	02400	24	25	26	102	2	12
02500	02500	25	25	26	102	2	12,5
03000	03000	30	25	26	102	2	15



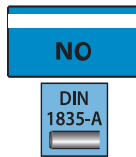
- P1
- M3
- K5
- N7
- N6
- N8
- S2
- S4

MC



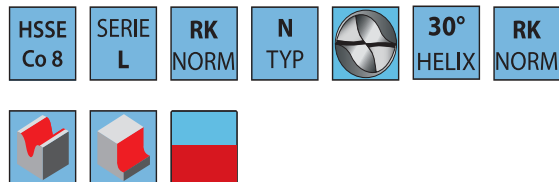
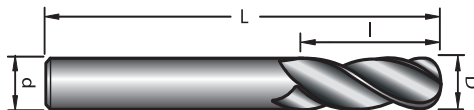
IOB.HO.	IDB.HA.	D e8	d h6	l	L	Z	R ±0,02
00300	00300	3	6	8	52	2	1,5
00400	00400	4	6	11	55	2	2
00500	00500	5	6	13	57	2	2,5
00600	00600	6	6	13	57	2	3
00700	00700	7	10	16	66	2	3,5
00800	00800	8	10	19	69	2	4
00900	00900	9	10	19	69	2	4,5
01000	01000	10	10	22	72	2	5
01100	01100	11	12	22	79	2	5,5

IOB.HO.	IDB.HA.	D e8	d h6	l	L	Z	R ±0,02
01200	01200	12	12	26	83	2	6
01400	01400	14	12	26	83	2	7
01600	01600	16	16	32	92	2	8
01800	01800	18	16	32	92	2	9
02000.20	02000.20	20	20	38	104	2	10
02200.20	02200.20	22	20	38	104	2	11
02500	02500	25	25	45	121	2	12,5
03000	03000	30	25	45	121	2	15



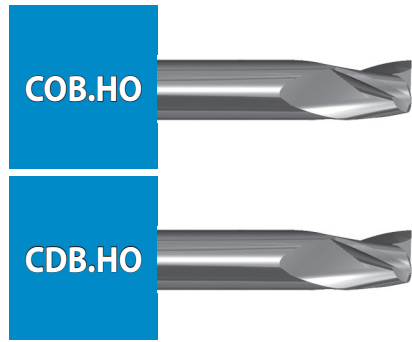
- P1
- M3
- K5
- N7
- N6
- N8
- S2
- S4

MC



IOC.HO.	IDC.HA.	D e8	d h6	l	L	Z	R ±0,02
00300	00300	3	6	8	56	2	1,5
00400	00400	4	6	11	63	2	2
00500	00500	5	6	13	68	2	2,5
00600	00600	6	6	13	68	2	3
00700	00700	7	10	16	80	2	3,5
00800	00800	8	10	19	88	2	4
00900	00900	9	10	19	88	2	4,5
01000	01000	10	10	22	95	2	5

IOC.HO.	IDC.HA.	D e8	d h6	l	L	Z	R ±0,02
01200	01200	12	12	26	110	2	6
01400	01400	14	12	26	110	2	7
01600	01600	16	16	32	123	2	8
01800	01800	18	16	32	123	2	9
02000.20	02000.20	20	20	38	141	2	10
02200.20	02200.20	22	20	38	141	2	11
02500	02500	25	25	45	166	2	12,5



NO

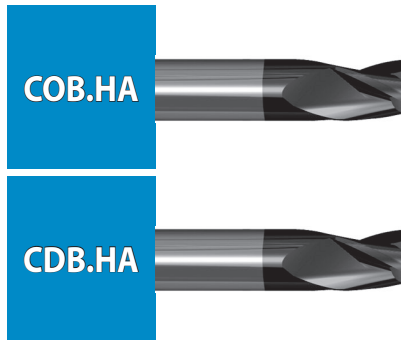
DIN 327-B NORM

DIN 1835-A

NO

DIN 327-D NORM

DIN 1835-B



TiAIN-1

DIN 327-B NORM

DIN 1835-A

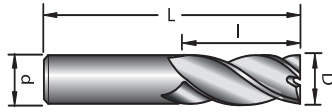
TiAIN-1

DIN 327-D NORM

DIN 1835-B

- P1
- M3
- K5
- N6
- S2
- S4

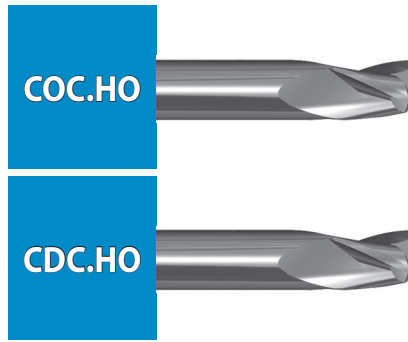
MC



HSSE Co 8 SERIE S N TYP 30° HELIX

COB.HO	CDB.HO	COB.HA	CDB.HA	D	d	l	L	Z
				e8	h6			
00200	00200	00200	00200	2	6	4	48	3
00250	00250	00250	00250	2,5	6	5	49	3
00300	00300	00300	00300	3	6	5	49	3
00350	00350	00350	00350	3,5	6	6	50	3
00400	00400	00400	00400	4	6	7	51	3
00450	00450	00450	00450	4,5	6	7	51	3
00500	00500	00500	00500	5	6	8	52	3
00550	00550	00550	00550	5,5	6	8	52	3
00600	00600	00600	00600	6	6	8	52	3
00650	00650	00650	00650	6,5	10	10	60	3
00700	00700	00700	00700	7	10	10	60	3
00750	00750	00750	00750	7,5	10	10	60	3
00800	00800	00800	00800	8	10	11	61	3
00850	00850	00850	00850	8,5	10	11	61	3
00900	00900	00900	00900	9	10	11	61	3
00950	00950	00950	00950	9,5	10	11	61	3

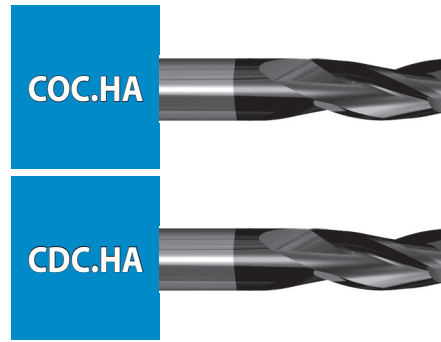
COB.HO	CDB.HO	COB.HA	CDB.HA	D	d	l	L	Z
				e8	h6			
01000	01000	01000	01000	10	10	13	63	3
01050	01050	01050	01050	10,5	12	13	70	3
01100	01100	01100	01100	11	12	13	70	3
01200	01200	01200	01200	12	12	16	73	3
01300	01300	01300	01300	13	12	16	73	3
01400	01400	01400	01400	14	12	16	73	3
01500	01500	01500	01500	15	12	16	73	3
01600	01600	01600	01600	16	16	19	79	3
01800	01800	01800	01800	18	16	19	79	3
02000.20	02000.20	02000.20	02000.20	20	20	22	88	3
02200.20	02200.20	02200.20	02200.20	22	20	22	88	3
02400	02400	02400	02400	24	25	26	102	3
02500	02500	02500	02500	25	25	26	102	3
02600	02600	02600	02600	26	25	26	102	3
02800	02800	02800	02800	28	25	26	102	3
03000	03000	03000	03000	30	25	26	102	3



NO

DIN 327-B
NORM

DIN 1835-A



NO

DIN 327-D
NORM

DIN 1835-B

TiAIN-1

DIN 327-B
NORM

DIN 1835-A

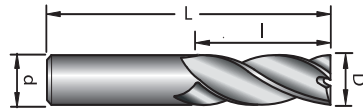
TiAIN-1

DIN 327-D
NORM

DIN 1835-B

P1 M3 K5 N6 S2 S4

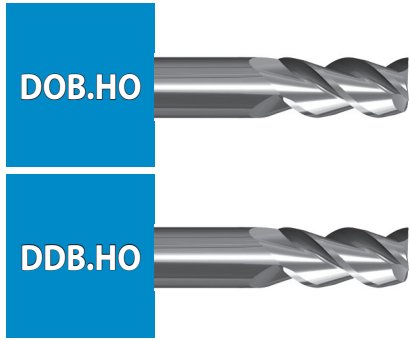
MC



HSSE Co 8 SERIE N N TYP 30° HELIX

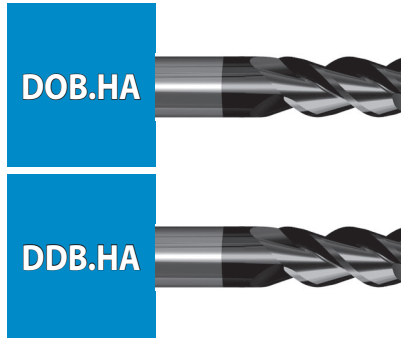
COB.HO	CDB.HO	COB.HA	CDB.HA	D e8	d h6	l	L	Z
00200	00200	00200	00200	2	6	7	51	3
00250	00250	00250	00250	2,5	6	8	52	3
00300	00300	00300	00300	3	6	8	52	3
00350	00350	00350	00350	3,5	6	10	54	3
00400	00400	00400	00400	4	6	11	55	3
00450	00450	00450	00450	4,5	6	11	55	3
00500	00500	00500	00500	5	6	13	57	3
00550	00550	00550	00550	5,5	6	13	57	3
00600	00600	00600	00600	6	6	13	57	3
00650	00650	00650	00650	6,5	10	16	66	3
00700	00700	00700	00700	7	10	16	66	3
00750	00750	00750	00750	7,5	10	16	66	3
00800	00800	00800	00800	8	10	19	69	3
00850	00850	00850	00850	8,5	10	19	69	3
00900	00900	00900	00900	9	10	19	69	3

COB.HO	CDB.HO	COB.HA	CDB.HA	D e8	d h6	l	L	Z
00950	00950	00950	00950	9,5	10	19	69	3
01000	01000	01000	01000	10	10	22	72	3
01050	01050	01050	01050	10,5	12	22	79	3
01100	01100	01100	01100	11	12	22	79	3
01200	01200	01200	01200	12	12	26	83	3
01300	01300	01300	01300	13	12	26	83	3
01400	01400	01400	01400	14	12	26	83	3
01500	01500	01500	01500	15	12	26	83	3
01600	01600	01600	01600	16	16	32	92	3
01800	01800	01800	01800	18	16	32	92	3
02000.20	02000.20	02000.20	02000.20	20	20	38	104	3
02200.20	02200.20	02200.20	02200.20	22	20	38	104	3
02500	02500	02500	02500	25	25	45	121	3
03000	03000	03000	03000	30	25	45	121	3



NO

DIN 844-A	DIN 1835-A
NORM	



NO

DIN 844-B	DIN 1835-B
NORM	

TiAIN-1

DIN 844-A	DIN 1835-A
NORM	

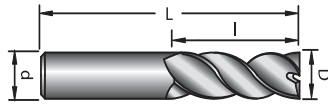
TiAIN-1

DIN 844-B	DIN 1835-B
NORM	



M3 N8 S2

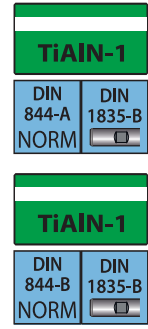
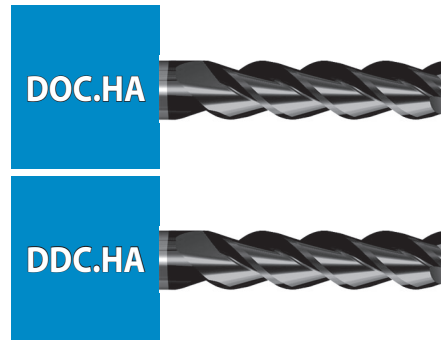
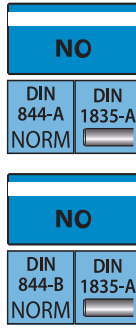
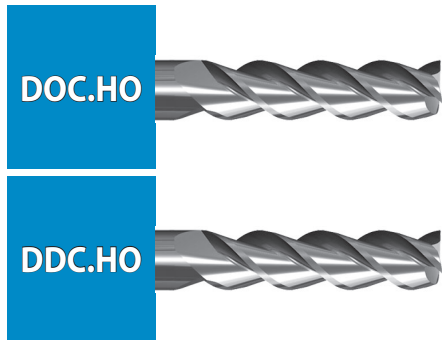
MC



HSSE Co 8 SERIE N W TYP 45° HELIX

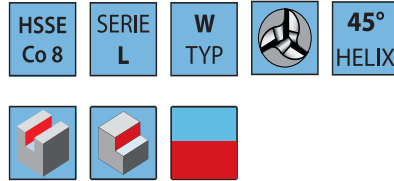
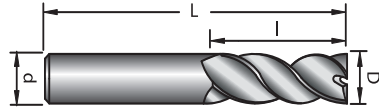
DOB.HO	DDB.HO	DOB.HA	DDB.HA	D	d	l	L	Z
				e8	h6			
00400	00400	00400	00400	4	6	11	55	3
00500	00500	00500	00500	5	6	13	57	3
00600	00600	00600	00600	6	6	13	57	3
00700	00700	00700	00700	7	10	16	66	3
00800	00800	00800	00800	8	10	19	69	3
00900	00900	00900	00900	9	10	19	69	3
01000	01000	01000	01000	10	10	22	72	3
01100	01100	01100	01100	11	12	22	79	3
01200	01200	01200	01200	12	12	26	83	3
01300	01300	01300	01300	13	12	26	83	3

DOB.HO	DDB.HO	DOB.HA	DDB.HA	D	d	l	L	Z
				e8	h6			
01400	01400	01400	01400	14	12	26	83	3
01500	01500	01500	01500	15	12	26	83	3
01600	01600	01600	01600	16	16	32	92	3
01800	01800	01800	01800	18	16	32	92	3
02000.20	02000.20	02000.20	02000.20	20	20	38	104	3
02200.20	02200.20	02200.20	02200.20	22	20	38	104	3
02500	02500	02500	02500	25	25	45	121	3
02800	02800	02800	02800	28	25	45	121	3
03000	03000	03000	03000	30	25	45	121	3



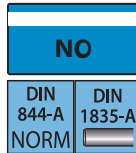
M3 N8 S2

MC



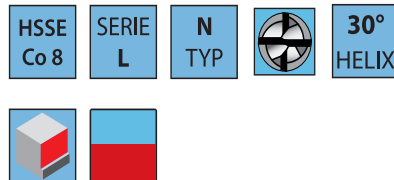
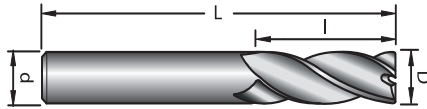
DOC.HO	DDC.HO	DOC.HA	DDC.HA	D	d	l	L	Z
				e8	h6			
00400	00400	00400	00400	4	6	19	63	3
00500	00500	00500	00500	5	6	24	68	3
00600	00600	00600	00600	6	6	24	68	3
00800	00800	00800	00800	8	10	38	88	3
01000	01000	01000	01000	10	10	45	95	3
01200	01200	01200	01200	12	12	53	110	3

DOC.HO	DDC.HO	DOC.HA	DDC.HA	D	d	l	L	Z
				e8	h6			
01400	01400	01400	01400	14	12	53	110	3
01500	01500	01500	01500	15	12	53	110	3
01600	01600	01600	01600	16	16	63	123	3
01800	01800	01800	01800	18	16	63	123	3
02000.20	02000.20	02000.20	02000.20	20	20	75	141	3



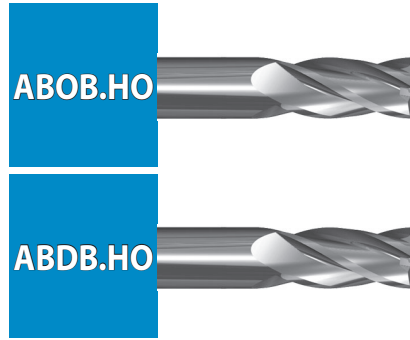
P1 M3 K5 N6 S2 S4

MC



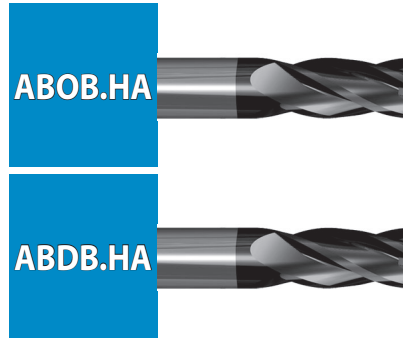
ABOC.HO.	ABDC.HA.	D	d	l	L	Z
		k10	h6			
00300	00300	3	6	12	56	4
00400	00400	4	6	19	63	4
00500	00500	5	6	24	68	4
00600	00600	6	6	24	68	4
00700	00700	7	10	30	80	4
00800	00800	8	10	38	88	4
00900	00900	9	10	38	88	4
01000	01000	10	10	45	95	4
01100	01100	11	12	45	102	4
01200	01200	12	12	53	110	4
01300	01300	13	12	53	110	4
01400	01400	14	12	53	110	4

ABOC.HO.	ABDC.HA.	D	d	l	L	Z
		k10	h6			
01500	01500	15	12	53	110	4
01600	01600	16	16	63	123	4
01800	01800	18	16	63	123	4
02000.20	02000.20	20	20	75	141	4
02200.20	02200.20	22	20	75	141	4
02400	02400	24	25	90	166	4
02500	02500	25	25	90	166	4
02600	02600	26	25	90	166	4
02800	02800	28	25	90	166	4
03000	03000	30	25	90	166	4
03200	03200	32	32	106	186	6



NO

DIN 844-A	DIN 1835-A
NORM	



TiAIN-1

DIN 844-A	DIN 1835-A
NORM	

NO

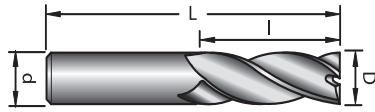
DIN 844-B	DIN 1835-B
NORM	

TiAIN-1

DIN 844-B	DIN 1835-B
NORM	

- P1 M3 K5 N6 S2 S4**

MC



HSSE Co 8 SERIE N N TYP 30° HELIX

ABOB.HO.	ABDB.HO.	ABOB.HA.	ABDB.HA.	D	d	l	L	Z
				e8	h6			
00200	00200	00200	00200	2	6	7	51	4
00300	00300	00300	00300	3	6	8	52	4
00400	00400	00400	00400	4	6	11	55	4
00500	00500	00500	00500	5	6	13	57	4
00600	00600	00600	00600	6	6	13	57	4
00700	00700	00700	00700	7	10	16	66	4
00800	00800	00800	00800	8	10	19	69	4
00900	00900	00900	00900	9	10	19	69	4
01000	01000	01000	01000	10	10	22	72	4
01100	01100	01100	01100	11	12	22	79	4
01200	01200	01200	01200	12	12	26	83	4
01300	01300	01300	01300	13	12	26	83	4
01400	01400	01400	01400	14	12	26	83	4
01500	01500	01500	01500	15	12	26	83	4

ABOB.HO.	ABDB.HO.	ABOB.HA.	ABDB.HA.	D	d	l	L	Z
				e8	h6			
01600	01600	01600	01600	16	16	32	92	4
01700	01700	01700	01700	17	16	32	92	4
01800	01800	01800	01800	18	16	32	92	4
01900	01900	01900	01900	19	16	32	92	4
02000.20	02000.20	02000.20	02000.20	20	20	38	104	4
02200.20	02200.20	02200.20	02200.20	22	20	38	104	4
02400	02400	02400	02400	24	25	45	121	4
02500	02500	02500	02500	25	25	45	121	4
02600	02600	02600	02600	26	25	45	121	4
02800	02800	02800	02800	28	25	45	121	4
03000	03000	03000	03000	30	25	45	121	4
03200	03200	03200	03200	32	32	53	133	6
04000	04000	04000	04000	40	32	63	143	6

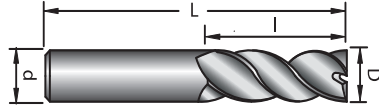


TiAIN-1

DIN 844-B NORM DIN 1835-B

P1 M3 K5 S2

MC



HSSE Co 8 SERIE N NK TYP 45° HELIX



ADDB.HA.	D k10	d h6	l	L	Z
00400	4	6	11	55	4
00500	5	6	13	57	4
00600	6	6	13	57	4
00700	7	10	16	66	4
00800	8	10	19	69	4
00900	9	10	19	69	4
01000	10	10	22	72	4
01100	11	12	22	79	4
01200	12	12	26	83	4
01300	13	12	26	83	4

ADDB.HA.	D k10	d h6	l	L	Z
01400	14	12	26	83	4
01500	15	12	26	83	4
01600	16	16	32	92	4
01800	18	16	32	92	4
02000.20	20	20	38	104	4
02200.20	22	20	38	104	4
02500	25	25	45	121	4
02800	28	25	45	121	4
03000	30	25	45	121	4

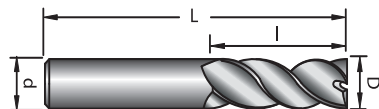


TiAIN-1

DIN 844-B NORM DIN 1835-B

P1 M3 K5 S2

MC



HSSE Co 8 SERIE L NK TYP 45° HELIX



ADDC.HA.	D k10	d h6	l	L	Z
00400	4	6	19	63	4
00500	5	6	24	68	4
00600	6	6	24	68	4
00800	8	10	38	88	4
01000	10	10	45	95	4
01200	12	12	53	110	4

ADDC.HA.	D k10	d h6	l	L	Z
01400	14	12	53	110	4
01500	15	12	53	110	4
01600	16	16	63	123	4
01800	18	16	63	123	4
02000.20	20	20	75	141	4

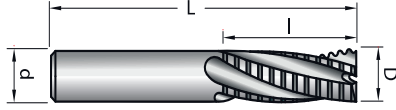


TiAIN-1

DIN 844-B	DIN 1835-B
NORM	

P1 M3 K5 N7 S2 S4

MC



HSSE Co 8 SERIE N NF TYP 30° HELIX



ABDH.HA.	D	d	l	L	Z
	k12	h6			
00600	6	6	13	57	4
00800	8	10	19	69	4
01000	10	10	22	72	4
01200	12	12	26	83	4
01400	14	12	26	83	4

ABDH.HA.	D	d	l	L	Z
	k12	h6			
01600	16	16	32	92	4
01800	18	16	32	92	4
02000.20	20	20	38	104	4
02500	25	25	45	121	4



NO

DIN 844-A	DIN 1835-A
NORM	



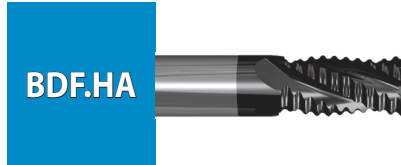
TiAIN-1

DIN 844-A	DIN 1835-A
NORM	



NO

DIN 844-B	DIN 1835-B
NORM	

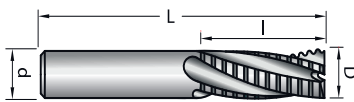


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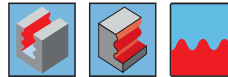
DIN 844-B	DIN 1835-B
NORM	

P1 M3 K5 N7 N8

MC

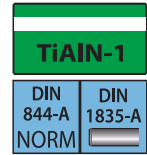
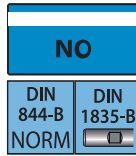
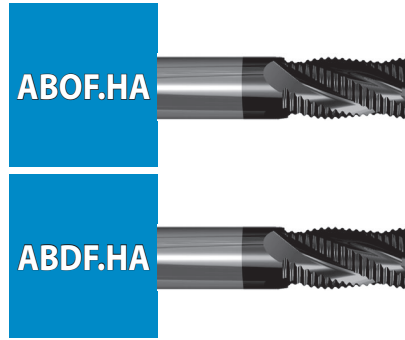
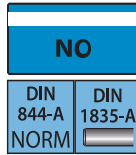
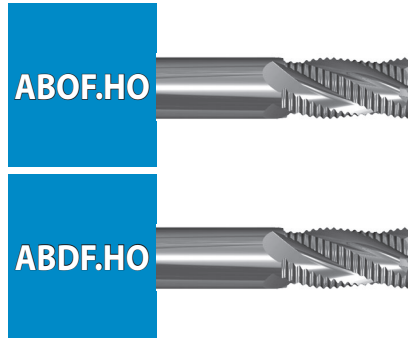


HSSE Co 8 SERIE N NR TYP 30° HELIX

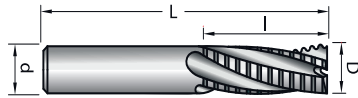


BOF.HO.	BDF.HO.	BOF.HA.	BDF.HA.	D	d	l	L	Z
				k12	h6			
00600	00600	00600	00600	6	6	13	57	4
00700	00700	00700	00700	7	10	16	66	4
00800	00800	00800	00800	8	10	19	69	4
00900	00900	00900	00900	9	10	19	69	4
01000	01000	01000	01000	10	10	22	72	4
01100	01100	01100	01100	11	12	22	79	4
01200	01200	01200	01200	12	12	26	83	4
01300	01300	01300	01300	13	12	26	83	4
01400	01400	01400	01400	14	12	26	83	4
01500	01500	01500	01500	15	12	26	83	4
01600	01600	01600	01600	16	16	32	92	4
01700	01700	01700	01700	17	16	32	92	4

BOF.HO.	BDF.HO.	BOF.HA.	BDF.HA.	D	d	l	L	Z
				k12	h6			
01800	01800	01800	01800	18	16	32	92	4
01900	01900	01900	01900	19	16	32	92	4
02000.20	02000.20	02000.20	02000.20	20	20	38	104	4
02200.20	02200.20	02200.20	02200.20	22	20	38	104	5
02400	02400	02400	02400	24	25	45	121	5
02500	02500	02500	02500	25	25	45	121	5
02600	02600	02600	02600	26	25	45	121	5
02800	02800	02800	02800	28	25	45	121	5
03000	03000	03000	03000	30	25	45	121	5
03200	03200	03200	03200	32	32	53	133	6
04000	04000	04000	04000	40	32	63	143	6



MC



ABOF.HO.	ABDF.HO.	ABOF.HA.	ABDF.HA.	D	d	l	L	Z
				k12	h6			
00600	00600	00600	00600	6	6	13	57	4
00700	00700	00700	00700	7	10	16	66	4
00800	00800	00800	00800	8	10	19	69	4
00900	00900	00900	00900	9	10	19	69	4
01000	01000	01000	01000	10	10	22	72	4
01100	01100	01100	01100	11	12	22	79	4
01200	01200	01200	01200	12	12	26	83	4
01300	01300	01300	01300	13	12	26	83	4
01400	01400	01400	01400	14	12	26	83	4
01500	01500	01500	01500	15	12	26	83	4
01600	01600	01600	01600	16	16	32	92	4
01700	01700	01700	01700	17	16	32	92	4

ABOF.HO.	ABDF.HO.	ABOF.HA.	ABDF.HA.	D	d	l	L	Z
				k12	h6			
01800	01800	01800	01800	18	16	32	92	4
01900	01900	01900	01900	19	16	32	92	4
02000.20	02000.20	02000.20	02000.20	20	20	38	104	4
02200.20	02200.20	02200.20	02200.20	22	20	38	104	4
02400	02400	02400	02400	24	25	45	121	4
02500	02500	02500	02500	25	25	45	121	4
02600	02600	02600	02600	26	25	45	121	4
02800	02800	02800	02800	28	25	45	121	4
03000	03000	03000	03000	30	25	45	121	4
03200	03200	03200	03200	32	32	53	133	6
04000	04000	04000	04000	40	32	63	143	6



NO

DIN 844-A
NORM

DIN 1835-A



TiAIN-1

DIN 844-A
NORM

DIN 1835-A



NO

DIN 844-B
NORM

DIN 1835-B



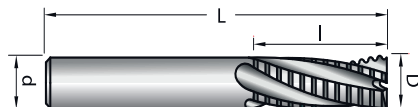
TiAIN-1

DIN 844-B
NORM

DIN 1835-B

- P1 M3 K5 N6 S2 S4**

MC



HSSE Co 8 SERIE L NRF TYP 30° HELIX



ABDG.HO.	ABDG.HO.	ABOG.HA.	ABDG.HA.	D	d	l	L	Z
				k12	h6			
00600	00600	00600	00600	6	6	24	68	4
00700	00700	00700	00700	7	10	30	80	4
00800	00800	00800	00800	8	10	38	88	4
00900	00900	00900	00900	9	10	38	88	4
01000	01000	01000	01000	10	10	45	95	4
01100	01100	01100	01100	11	12	45	102	4
01200	01200	01200	01200	12	12	53	110	4
01300	01300	01300	01300	13	12	53	110	4
01400	01400	01400	01400	14	12	53	110	4
01500	01500	01500	01500	15	12	53	110	4
01600	01600	01600	01600	16	16	63	123	4

ABDG.HO.	ABDG.HO.	ABOG.HA.	ABDG.HA.	D	d	l	L	Z
				k12	h6			
01700	01700	01700	01700	17	16	63	123	4
01800	01800	01800	01800	18	16	63	123	4
01900	01900	01900	01900	19	16	63	123	4
02000.20	02000.20	02000.20	02000.20	20	20	75	141	4
02200.20	02200.20	02200.20	02200.20	22	20	75	141	4
02400	02400	02400	02400	24	25	90	166	4
02500	02500	02500	02500	25	25	90	166	4
02600	02600	02600	02600	26	25	90	166	4
02800	02800	02800	02800	28	25	90	166	4
03000	03000	03000	03000	30	25	90	166	4
03200	03200	03200	03200	32	32	106	186	6



TiAIN-1

DIN 844-A
NORM

DIN 1835-A



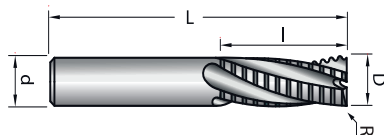
TiAIN-1

DIN 844-B
NORM

DIN 1835-B

- P1 M3 K5 N6 S2 S4**

MC



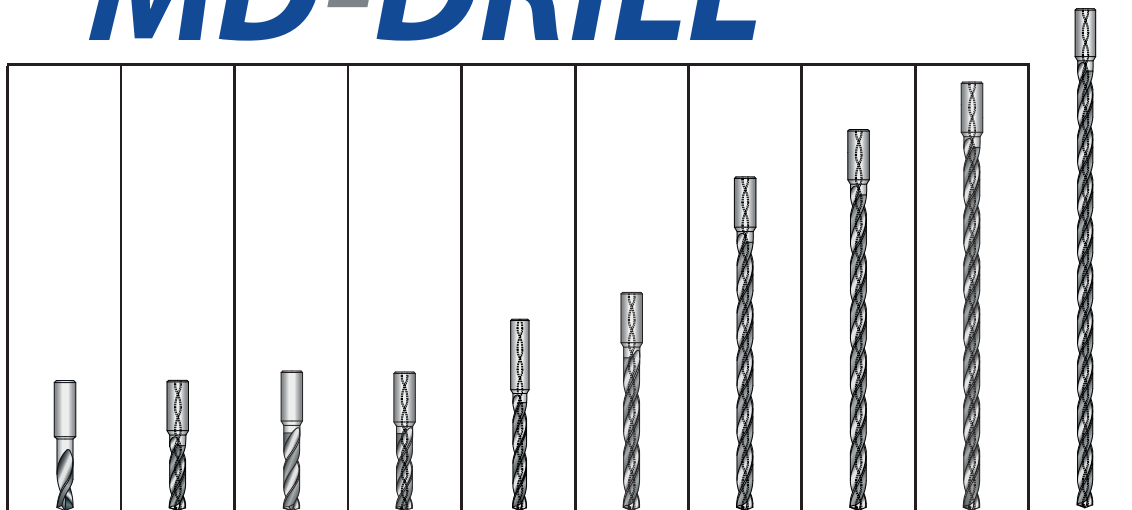
HSSE Co 8 SERIE N NRFF TYP 30° HELIX



AEOF.HA	AEDF.HA	D	d	l	L	Z
		k12	h6			
00500	00500	5	6	13	57	4
00600	00600	6	6	13	57	4
00800	00800	8	10	19	69	4
01000	01000	10	10	22	72	4
01200	01200	12	12	26	83	4
01400	01400	14	12	26	83	4

AEOF.HA	AEDF.HA	D	d	l	L	Z
		k12	h6			
01600	01600	16	16	32	92	4
01800	01800	18	16	32	92	4
02000.20	02000.20	20	20	38	104	4
02500	02500	25	25	45	121	5
02800	02800	28	25	45	121	5
03200	03200	32	32	53	133	6

INHALT
INDICE
INDEX



ITEM	BBOD.FD	RBOD.FD	BBOF.FD	RBOF.FD	RBOH.FD	RBAB.FD	RBBO.FD	RBBE.FD	RBCO.FD	RBDO.FD
LÄNGE LUNGHEZZA LENGTH	4xD		6xD		8xD	12xD	20xD	25xD	30xD	40xD
NORM NORMA STANDARD	DIN 6537K NORM		DIN 6537L NORM		RK NORM			RK NORM		
SCHAFT GAMBO SHANK	DIN 6535-HA 		DIN 6535-HA 		DIN 6535-HA 			DIN 6535-HA 		
TYP TIPO TYPE	N TYP		N TYP		N TYP			N TYP		
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10		MD MG 10		MD MG 10			MD MG 10		
FRONTANSICHT VISTA FRONTALE FRONT VIEW										
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	30° HELIX		30° HELIX		30° HELIX			30° HELIX		
KÜHLMITTEL REFRIGERANTE COOLANT										
BESCHICHTUNG RIVESTIMENTO COATING	AiCrN		AiCrN		AiCrN			AiCrN		
PUNKT-WINKEL ANGOLO DI PUNTO POINT ANGLE	140°		140°		140°			135°		
∅	3 ÷ 16	3 ÷ 16	3 ÷ 16	3 ÷ 16	3 ÷ 12	3 ÷ 12	3 ÷ 12	3 ÷ 12	3 ÷ 10	3 ÷ 8
□	3-4	3-6	3-5	3-7	3-8	3-8	3-9	3-9	3-10	3-10
P1 Stahl / Acciaio / Steel	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
M3 Rostfreier Stahl / acciaio inossidabile / Stainless steel	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3
K5 Gusseisen / Ghisa / Cast iron	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5
N7 Legierungen / Alloys / Leghe: Al + Mg					N7					
N6 Legierungen / Alloys / Leghe: Cu					N6					
N8 Sintetische Materialien / Materiali sintetici / Synthetic materials										
N9 Graphit / Grafite / Graphite										
S2 Legierungen / Alloys / Leghe: Ti	S2	S2	S2	S2	S2					
S4 Legierungen / Alloys / Leghe: Ni	S4	S4	S4	S4	S4					
H1 Stahl / Acciaio / Steel 45 ÷ 50 HRC	H1	H1	H1	H1	H1	H1	H1	H1	H1	H1
H2 Stahl / Acciaio / Steel : 50 ÷ 70 HRC										

MDMINIDRILL

VHM - MD
CARBIDE

BTOD.FD		BTOF.FD		BAOD.FO		BAOF.FO		BFOF.FF		BHOD.ED		BCOI.FO		BCOI.FD		BCAB.FO		BCAB.FD		BBOD.ED		BBOG.ED		RBOH.ED		RBAE.ED	
4xD	6xD	4xD	6xD	6xD	4xD							4xD	7xD	8xD	15xD												
DIN 6537K NORM	DIN 6537L NORM	DIN 6537K NORM	DIN 6537L NORM	DIN 6537L NORM	RK NORM					RK NORM				RK NORM						RK NORM							
DIN 6535-HA		DIN 6535-HA		DIN 6535-HA				DIN 6535-HA		DIN 6535-HA				DIN 6535-HA						DIN 6535-HA							
N TYP		R TYP		W TYP	R TYP			NC TYP		NC TYP				N TYP						N TYP							
MD MG 10		MD MG 10		MD MG 6	MD SM			MD MG 10		MD MG 10				MD SM						MD SM							
AlCrN		NO		K FIBER	AlCrN			NO	AlCrN	NO	AlCrN			AlCrN						AlCrN							
3 ÷ 12	3 ÷ 12	4 ÷ 12	4 ÷ 12	3 ÷ 12	3 ÷ 12			4 ÷ 20		4 ÷ 20				0,5 ÷ 3	0,5 ÷ 3					1,4 ÷ 3	1,4 ÷ 3						
3-11	3-11	3-12	3-12	3-13	3-13			3-14		3-14				3-15	3-15					3-16	3-16						
								P1	P1	P1	P1			P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
M3	M3								M3		M3			M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3	M3
		K5	K5						K5		K5			K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5	K5
		N7	N7						N7	N7	N7	N7		N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7	N7
									N6		N6																
									N8																		
S2	S2									S2				S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2
S4	S4													S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4	S4
									H1																		
									H2																		

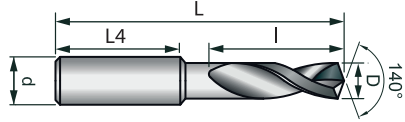
BBOD.FD



AlCrN

P1 M3 K5 S2 S4 H1

MC



MD **MG 10** **DIN 6527K NORM** **N TYP** **30° HELIX** **140°** **DIN 6535-HA**

BBOD.FD.	D m7	d h6	I	L	L4
00300	3	6	20	62	36
00310	3,1	6	20	62	36
00320	3,2	6	20	62	36
00330	3,3	6	20	62	36
00340	3,4	6	20	62	36
00350	3,5	6	20	62	36
00360	3,6	6	20	62	36
00370	3,7	6	20	62	36
00380	3,8	6	24	66	36
00390	3,9	6	24	66	36
00400	4	6	24	66	36
00410	4,1	6	24	66	36
00420	4,2	6	24	66	36
00430	4,3	6	24	66	36
00440	4,4	6	24	66	36
00450	4,5	6	24	66	36
00460	4,6	6	24	66	36
00470	4,7	6	24	66	36
00480	4,8	6	28	66	36
00490	4,9	6	28	66	36
00500	5	6	28	66	36
00510	5,1	6	28	66	36
00520	5,2	6	28	66	36
00530	5,3	6	28	66	36
00540	5,4	6	28	66	36
00550	5,5	6	28	66	36
00560	5,6	6	28	66	36
00570	5,7	6	28	66	36
00580	5,8	6	28	66	36
00590	5,9	6	28	66	36
00600	6	6	28	66	36
00610	6,1	8	34	79	36
00620	6,2	8	34	79	36
00630	6,3	8	34	79	36
00640	6,4	8	34	79	36
00650	6,5	8	34	79	36

BBOD.FD.	D m7	d h6	I	L	L4
00660	6,6	8	34	79	36
00670	6,7	8	34	79	36
00680	6,8	8	34	79	36
00690	6,9	8	34	79	36
00700	7	8	34	79	36
00710	7,1	8	41	79	36
00720	7,2	8	41	79	36
00730	7,3	8	41	79	36
00740	7,4	8	41	79	36
00750	7,5	8	41	79	36
00760	7,6	8	41	79	36
00770	7,7	8	41	79	36
00780	7,8	8	41	79	36
00790	7,9	8	41	79	36
00800	8	8	41	79	36
00810	8,1	10	47	89	40
00820	8,2	10	47	89	40
00830	8,3	10	47	89	40
00840	8,4	10	47	89	40
00850	8,5	10	47	89	40
00860	8,6	10	47	89	40
00870	8,7	10	47	89	40
00880	8,8	10	47	89	40
00890	8,9	10	47	89	40
00900	9	10	47	89	40
00910	9,1	10	47	89	40
00920	9,2	10	47	89	40
00930	9,3	10	47	89	40
00940	9,4	10	47	89	40
00950	9,5	10	47	89	40
00960	9,6	10	47	89	40
00970	9,7	10	47	89	40
00980	9,8	10	47	89	40
00990	9,9	10	47	89	40
01000	10	10	47	89	40
01010	10,1	12	55	102	45

BBOD.FD.	D m7	d h6	I	L	L4
01020	10,2	12	55	102	45
01030	10,3	12	55	102	45
01040	10,4	12	55	102	45
01050	10,5	12	55	102	45
01060	10,6	12	55	102	45
01070	10,7	12	55	102	45
01080	10,8	12	55	102	45
01090	10,9	12	55	102	45
01100	11	12	55	102	45
01110	11,1	12	55	102	45
01120	11,2	12	55	102	45
01130	11,3	12	55	102	45
01140	11,4	12	55	102	45
01150	11,5	12	55	102	45
01160	11,6	12	55	102	45
01170	11,7	12	55	102	45
01180	11,8	12	55	102	45
01190	11,9	12	55	102	45
01200	12	12	55	102	45
01220	12,2	14	60	107	45
01250	12,5	14	60	107	45
01280	12,8	14	60	107	45
01300	13	14	60	107	45
01320	13,2	14	60	107	45
01350	13,5	14	60	107	45
01380	13,8	14	60	107	45
01400	14	14	60	107	45
01420	14,2	16	65	115	48
01450	14,5	16	65	115	48
01480	14,8	16	65	115	48
01500	15	16	65	115	48
01520	15,2	16	65	115	48
01550	15,5	16	65	115	48
01580	15,8	16	65	115	48
01600	16	16	65	115	48

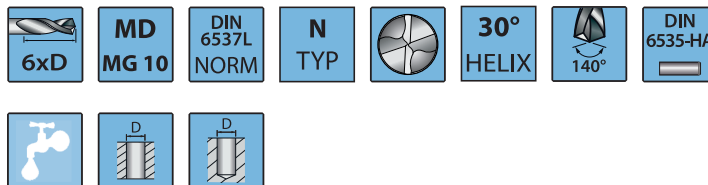
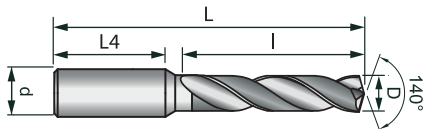
BBOF.FD



AlCrN

P1 M3 K5 S2 S4 H1

MC



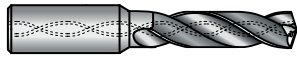
**VHM - MD
CARBIDE**

BBOF.FD.	D	d	l	L	L4
	m7	h6			
00300	3	6	28	66	36
00310	3,1	6	28	66	36
00320	3,2	6	28	66	36
00330	3,3	6	28	66	36
00340	3,4	6	28	66	36
00350	3,5	6	28	66	36
00360	3,6	6	28	66	36
00370	3,7	6	28	66	36
00380	3,8	6	36	74	36
00390	3,9	6	36	74	36
00400	4	6	36	74	36
00410	4,1	6	36	74	36
00420	4,2	6	36	74	36
00430	4,3	6	36	74	36
00440	4,4	6	36	74	36
00450	4,5	6	36	74	36
00460	4,6	6	36	74	36
00470	4,7	6	36	74	36
00480	4,8	6	44	82	36
00490	4,9	6	44	82	36
00500	5	6	44	82	36
00510	5,1	6	44	82	36
00520	5,2	6	44	82	36
00530	5,3	6	44	82	36
00540	5,4	6	44	82	36
00550	5,5	6	44	82	36
00560	5,6	6	44	82	36
00570	5,7	6	44	82	36
00580	5,8	6	44	82	36
00590	5,9	6	44	82	36
00600	6	6	44	82	36
00610	6,1	8	53	91	36
00620	6,2	8	53	91	36
00630	6,3	8	53	91	36
00640	6,4	8	53	91	36
00650	6,5	8	53	91	36

BBOF.FD.	D	d	l	L	L4
	m7	h6			
00660	6,6	8	53	91	36
00670	6,7	8	53	91	36
00680	6,8	8	53	91	36
00690	6,9	8	53	91	36
00700	7	8	53	91	36
00710	7,1	8	53	91	36
00720	7,2	8	53	91	36
00730	7,3	8	53	91	36
00740	7,4	8	53	91	36
00750	7,5	8	53	91	36
00760	7,6	8	53	91	36
00770	7,7	8	53	91	36
00780	7,8	8	53	91	36
00790	7,9	8	53	91	36
00800	8	8	53	91	36
00810	8,1	10	61	103	40
00820	8,2	10	61	103	40
00830	8,3	10	61	103	40
00840	8,4	10	61	103	40
00850	8,5	10	61	103	40
00860	8,6	10	61	103	40
00870	8,7	10	61	103	40
00880	8,8	10	61	103	40
00890	8,9	10	61	103	40
00900	9	10	61	103	40
00910	9,1	10	61	103	40
00920	9,2	10	61	103	40
00930	9,3	10	61	103	40
00940	9,4	10	61	103	40
00950	9,5	10	61	103	40
00960	9,6	10	61	103	40
00970	9,7	10	61	103	40
00980	9,8	10	61	103	40
00990	9,9	10	61	103	40
01000	10	10	61	103	40
01010	10,1	12	71	118	45

BBOF.FD.	D	d	l	L	L4
	m7	h6			
01020	10,2	12	71	118	45
01030	10,3	12	71	118	45
01040	10,4	12	71	118	45
01050	10,5	12	71	118	45
01060	10,6	12	71	118	45
01070	10,7	12	71	118	45
01080	10,8	12	71	118	45
01090	10,9	12	71	118	45
01100	11	12	71	118	45
01110	11,1	12	71	118	45
01120	11,2	12	71	118	45
01130	11,3	12	71	118	45
01140	11,4	12	71	118	45
01150	11,5	12	71	118	45
01160	11,6	12	71	118	45
01170	11,7	12	71	118	45
01180	11,8	12	71	118	45
01190	11,9	12	71	118	45
01200	12	12	71	118	45
01220	12,2	14	77	124	45
01250	12,5	14	77	124	45
01280	12,8	14	77	124	45
01300	13	14	77	124	45
01320	13,2	14	77	124	45
01350	13,5	14	77	124	45
01380	13,8	14	77	124	45
01400	14	14	77	124	45
01420	14,2	16	83	133	48
01450	14,5	16	83	133	48
01480	14,8	16	83	133	48
01500	15	16	83	133	48
01520	15,2	16	83	133	48
01550	15,5	16	83	133	48
01580	15,8	16	83	133	48
01600	16	16	83	133	48

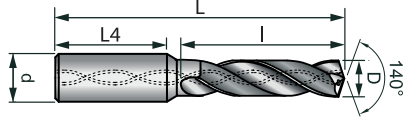
RBOD.FD



AlCrN

P1 M3 K5 S2 S4 H1

MC



RBOD.FD.	D	d	I	L	L4
	m7	h6			
00300	3	6	20	62	36
00310	3,1	6	20	62	36
00320	3,2	6	20	62	36
00330	3,3	6	20	62	36
00340	3,4	6	20	62	36
00350	3,5	6	20	62	36
00360	3,6	6	20	62	36
00370	3,7	6	20	62	36
00380	3,8	6	24	66	36
00390	3,9	6	24	66	36
00400	4	6	24	66	36
00410	4,1	6	24	66	36
00420	4,2	6	24	66	36
00430	4,3	6	24	66	36
00440	4,4	6	24	66	36
00450	4,5	6	24	66	36
00460	4,6	6	24	66	36
00470	4,7	6	24	66	36
00480	4,8	6	28	66	36
00490	4,9	6	28	66	36
00500	5	6	28	66	36
00510	5,1	6	28	66	36
00520	5,2	6	28	66	36
00530	5,3	6	28	66	36
00540	5,4	6	28	66	36
00550	5,5	6	28	66	36
00560	5,6	6	28	66	36
00570	5,7	6	28	66	36
00580	5,8	6	28	66	36
00590	5,9	6	28	66	36
00600	6	6	28	66	36
00610	6,1	8	34	79	36
00620	6,2	8	34	79	36
00630	6,3	8	34	79	36
00640	6,4	8	34	79	36
00650	6,5	8	34	79	36

RBOD.FD.	D	d	I	L	L4
	m7	h6			
00660	6,6	8	34	79	36
00670	6,7	8	34	79	36
00680	6,8	8	34	79	36
00690	6,9	8	34	79	36
00700	7	8	34	79	36
00710	7,1	8	41	79	36
00720	7,2	8	41	79	36
00730	7,3	8	41	79	36
00740	7,4	8	41	79	36
00750	7,5	8	41	79	36
00760	7,6	8	41	79	36
00770	7,7	8	41	79	36
00780	7,8	8	41	79	36
00790	7,9	8	41	79	36
00800	8	8	41	79	36
00810	8,1	10	47	89	40
00820	8,2	10	47	89	40
00830	8,3	10	47	89	40
00840	8,4	10	47	89	40
00850	8,5	10	47	89	40
00860	8,6	10	47	89	40
00870	8,7	10	47	89	40
00880	8,8	10	47	89	40
00890	8,9	10	47	89	40
00900	9	10	47	89	40
00910	9,1	10	47	89	40
00920	9,2	10	47	89	40
00930	9,3	10	47	89	40
00940	9,4	10	47	89	40
00950	9,5	10	47	89	40
00960	9,6	10	47	89	40
00970	9,7	10	47	89	40
00980	9,8	10	47	89	40
00990	9,9	10	47	89	40
01000	10	10	47	89	40
01010	10,1	12	55	102	45

RBOD.FD.	D	d	I	L	L4
	m7	h6			
01020	10,2	12	55	102	45
01030	10,3	12	55	102	45
01040	10,4	12	55	102	45
01050	10,5	12	55	102	45
01060	10,6	12	55	102	45
01070	10,7	12	55	102	45
01080	10,8	12	55	102	45
01090	10,9	12	55	102	45
01100	11	12	55	102	45
01110	11,1	12	55	102	45
01120	11,2	12	55	102	45
01130	11,3	12	55	102	45
01140	11,4	12	55	102	45
01150	11,5	12	55	102	45
01160	11,6	12	55	102	45
01170	11,7	12	55	102	45
01180	11,8	12	55	102	45
01190	11,9	12	55	102	45
01200	12	12	55	102	45
01220	12,2	14	60	107	45
01250	12,5	14	60	107	45
01280	12,8	14	60	107	45
01300	13	14	60	107	45
01320	13,2	14	60	107	45
01350	13,5	14	60	107	45
01380	13,8	14	60	107	45
01400	14	14	60	107	45
01420	14,2	16	65	115	48
01450	14,5	16	65	115	48
01480	14,8	16	65	115	48
01500	15	16	65	115	48
01520	15,2	16	65	115	48
01550	15,5	16	65	115	48
01580	15,8	16	65	115	48
01600	16	16	65	115	48

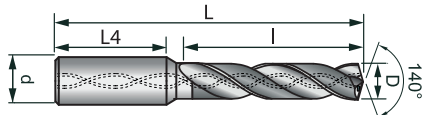
RBOF.FD



AlCrN

P1 M3 K5 S2 S4 H1

MC



MD
MG 10

DIN
6537L
NORM

N
TYP



30°
HELIX



DIN
6535-HA



RBOF.FD.	D m7	d h6	I	L	L4
00300	3	6	28	66	36
00310	3,1	6	28	66	36
00320	3,2	6	28	66	36
00325	3,25	6	28	66	36
00330	3,3	6	28	66	36
00340	3,4	6	28	66	36
00350	3,5	6	28	66	36
00360	3,6	6	28	66	36
00370	3,7	6	28	66	36
00380	3,8	6	36	74	36
00390	3,9	6	36	74	36
00400	4	6	36	74	36
00410	4,1	6	36	74	36
00420	4,2	6	36	74	36
00430	4,3	6	36	74	36
00440	4,4	6	36	74	36
00450	4,5	6	36	74	36
00460	4,6	6	36	74	36
00470	4,7	6	36	74	36
00480	4,8	6	44	82	36
00490	4,9	6	44	82	36
00500	5	6	44	82	36
00510	5,1	6	44	82	36
00520	5,2	6	44	82	36
00530	5,3	6	44	82	36
00540	5,4	6	44	82	36
00550	5,5	6	44	82	36
00560	5,6	6	44	82	36
00570	5,7	6	44	82	36
00580	5,8	6	44	82	36
00590	5,9	6	44	82	36
00600	6	6	44	82	36
00610	6,1	8	53	91	36
00620	6,2	8	53	91	36
00630	6,3	8	53	91	36
00640	6,4	8	53	91	36

RBOF.FD.	D m7	d h6	I	L	L4
00650	6,5	8	53	91	36
00660	6,6	8	53	91	36
00670	6,7	8	53	91	36
00680	6,8	8	53	91	36
00690	6,9	8	53	91	36
00700	7	8	53	91	36
00710	7,1	8	53	91	36
00720	7,2	8	53	91	36
00730	7,3	8	53	91	36
00740	7,4	8	53	91	36
00750	7,5	8	53	91	36
00760	7,6	8	53	91	36
00770	7,7	8	53	91	36
00780	7,8	8	53	91	36
00790	7,9	8	53	91	36
00800	8	8	53	91	40
00810	8,1	10	61	103	40
00820	8,2	10	61	103	40
00830	8,3	10	61	103	40
00840	8,4	10	61	103	40
00850	8,5	10	61	103	40
00860	8,6	10	61	103	40
00870	8,7	10	61	103	40
00880	8,8	10	61	103	40
00890	8,9	10	61	103	40
00900	9	10	61	103	40
00910	9,1	10	61	103	40
00920	9,2	10	61	103	40
00930	9,3	10	61	103	40
00940	9,4	10	61	103	40
00950	9,5	10	61	103	40
00960	9,6	10	61	103	40
00970	9,7	10	61	103	40
00980	9,8	10	61	103	40
00990	9,9	10	61	103	40
01000	10	10	61	103	40

RBOF.FD.	D m7	d h6	I	L	L4
01010	10,1	12	71	118	45
01020	10,2	12	71	118	45
01030	10,3	12	71	118	45
01040	10,4	12	71	118	45
01050	10,5	12	71	118	45
01060	10,6	12	71	118	45
01070	10,7	12	71	118	45
01080	10,8	12	71	118	45
01090	10,9	12	71	118	45
01100	11	12	71	118	45
01110	11,1	12	71	118	45
01120	11,2	12	71	118	45
01130	11,3	12	71	118	45
01140	11,4	12	71	118	45
01150	11,5	12	71	118	45
01160	11,6	12	71	118	45
01170	11,7	12	71	118	45
01180	11,8	12	71	118	45
01190	11,9	12	71	118	45
01200	12	12	71	118	45
01220	12,2	12	71	118	45
01250	12,5	14	77	124	45
01280	12,8	12	71	118	45
01300	13	14	77	124	45
01320	13,2	14	77	124	45
01350	13,5	14	77	124	45
01380	13,8	14	77	124	45
01400	14	14	77	124	45
01420	14,2	16	83	133	48
01450	14,5	16	83	133	48
01480	14,8	16	83	133	48
01500	15	16	83	133	48
01520	15,2	16	83	133	48
01550	15,5	16	83	133	48
01580	15,8	16	83	133	48
01600	16	16	83	133	48

VHM - MD
CARBIDE

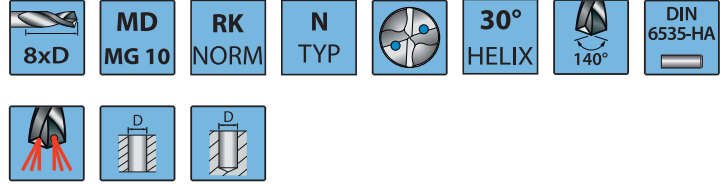
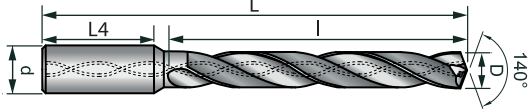
RBOH.FD



AICrN

P1 M3 K5 N7 N6 S2 S4 H1

MC

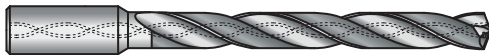


RBOH.FD.	D	d	I	L	L4
	m7	h6			
00300	3	6	30	70	36
00330	3,3	6	30	70	36
00340	3,4	6	30	70	36
00350	3,5	6	30	70	36
00400	4	6	37	75	36
00420	4,2	6	37	75	36
00430	4,3	6	45	85	36
00440	4,4	6	45	85	36
00450	4,5	6	45	85	36
00500	5	6	50	90	36

RBOH.FD.	D	d	I	L	L4
	m7	h6			
00510	5,1	6	50	90	36
00520	5,2	6	50	90	36
00550	5,5	6	57	97	36
00600	6	6	57	97	36
00650	6,5	8	66	106	36
00680	6,8	8	66	106	36
00700	7	8	76	116	36
00750	7,5	8	76	116	36
00800	8	8	76	116	36
00850	8,5	10	87	131	40

RBOH.FD.	D	d	I	L	L4
	m7	h6			
00860	8,6	10	87	131	40
00900	9	10	87	131	40
00950	9,5	10	95	139	40
01000	10	10	95	139	40
01020	10,2	12	106	155	45
01050	10,5	12	106	155	45
01080	10,8	12	106	155	45
01100	11	12	106	155	45
01150	11,5	12	114	163	45
01200	12	12	114	163	45

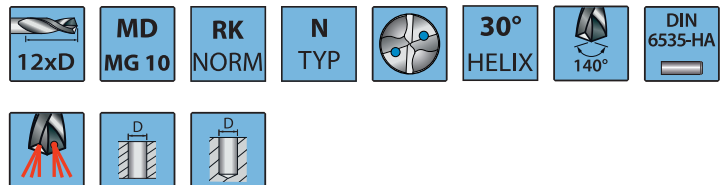
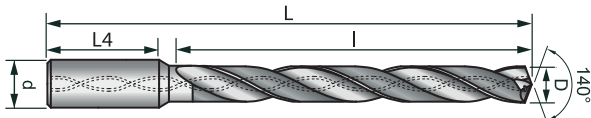
RBAB.FD



AICrN

P1 M3 K5 H1

MC



RBAB.FD.	D	d	I	L	L4
	m7	h6			
00300	3	6	50	90	36
00330	3,3	6	50	90	36
00350	3,5	6	50	90	36
00400	4	6	64	102	36
00420	4,2	6	64	102	36
00450	4,5	6	64	102	36
00500	5	6	78	116	36
00550	5,5	6	78	116	36

RBAB.FD.	D	d	I	L	L4
	m7	h6			
00600	6	6	78	116	36
00650	6,5	8	108	146	36
00680	6,8	8	108	146	36
00700	7	8	108	146	36
00750	7,5	8	108	146	36
00800	8	8	108	146	36
00850	8,5	10	120	162	40
00900	9	10	120	162	40

RBAB.FD.	D	d	I	L	L4
	m7	h6			
00950	9,5	10	120	162	40
01000	10	10	120	162	40
01050	10,5	12	156	204	45
01100	11	12	156	204	45
01150	11,5	12	156	204	45
01200	12	12	156	204	45

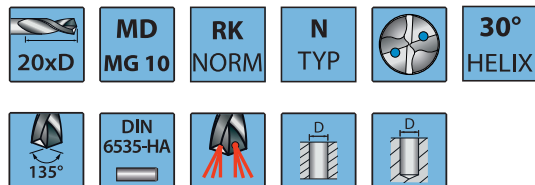
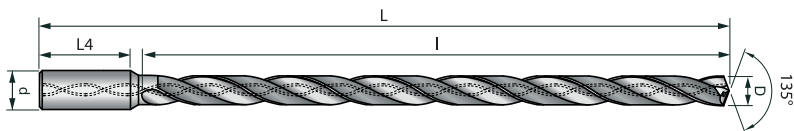
RBBO.FD



AlCrN

P1 M3 K5 H1

MC



RBBO.FD.	D h7	d h6	I	L	L4
00300	3	6	70	110	36
00350	3,5	6	96	136	36
00400	4	6	96	136	36
00450	4,5	6	118	158	36
00500	5	6	118	158	36

RBBO.FD.	D h7	d h6	I	L	L4
00550	5,5	6	140	180	36
00600	6	6	140	180	36
00650	6,5	8	162	202	36
00700	7	8	162	202	36
00750	7,5	8	183	223	36

RBBO.FD.	D h7	d h6	I	L	L4
00800	8	8	183	223	36
00850	8,5	10	205	249	40
00900	9	10	207	265	40
01000	10	10	227	271	40
01200	12	12	274	323	45

VHM - MD
CARBIDE

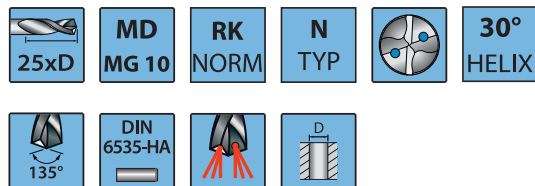
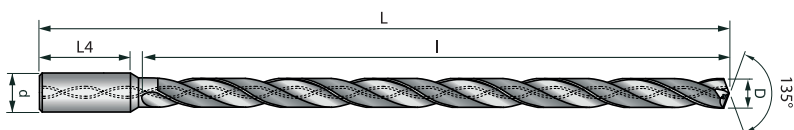
RBBE.FD



AlCrN

P1 M3 K5 H1

MC

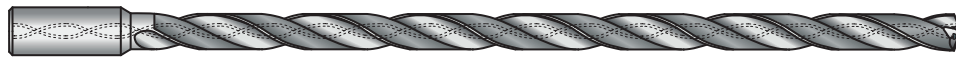


RBBO.FD.	D h7	d h6	I	L	L4
00300	3	6	85	125	36
00350	3,5	6	116	156	36
00400	4	6	116	156	36
00450	4,5	6	143	183	36
00500	5	6	143	183	36

RBBO.FD.	D h7	d h6	I	L	L4
00550	5,5	6	170	210	36
00600	6	6	170	210	36
00650	6,5	8	197	237	36
00700	7	8	197	237	36
00750	7,5	8	223	237	36

RBBO.FD.	D h7	d h6	I	L	L4
00800	8	8	223	263	36
00850	8,5	10	250	294	40
00900	9	10	250	294	40
01000	10	10	277	321	40
01200	12	12	337	386	45

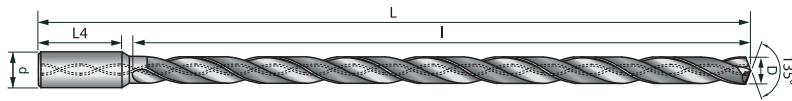
RBCO.FD



AlCrN

P1 M3 K5 H1

MC



30xD MD MG 10 RK NORM N TYP 30° HELIX
 135° DIN 6535-HA

RBCO.FD.	D	d	I	L	L4
	h7	h6			
00300	3	6	100	140	36
00350	3,5	6	136	176	36
00400	4	6	136	176	36
00450	4,5	6	168	208	36

RBCO.FD.	D	d	I	L	L4
	h7	h6			
00500	5	6	168	208	36
00550	5,5	6	200	240	36
00600	6	6	200	240	36
00700	7	8	232	272	36

RBCO.FD.	D	d	I	L	L4
	h7	h6			
00800	8	8	263	303	36
00900	9	10	295	339	40
01000	10	10	327	371	40

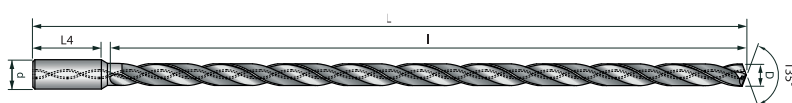
RBDO.FD



AlCrN

P1 M3 K5 H1

MC



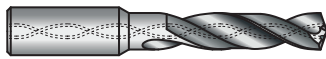
40xD MD MG 10 RK NORM N TYP 30° HELIX
 135° DIN 6535-HA

RBDO.FD.	D	d	I	L	L4
	h7	h6			
00300	3	6	130	170	36
00350	3,5	6	153	193	36
00400	4	6	176	216	36

RBDO.FD.	D	d	I	L	L4
	h7	h6			
00450	4,5	6	198	238	36
00500	5	6	218	258	36
00550	5,5	6	240	280	36

RBDO.FD.	D	d	I	L	L4
	h7	h6			
00600	6	6	260	300	36
00700	7	8	302	342	36
00800	8	8	343	383	36

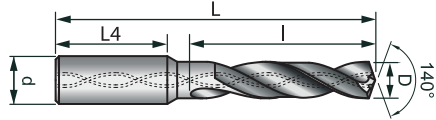
BTOD.FD



AlCrN

M3 S2 S4

MC



BTOD.FD.	D	d	l	L	L4
	m7	h6			
00300	3	6	20	62	36
00330	3,3	6	20	62	36
00340	3,4	6	20	62	36
00350	3,5	6	20	62	36
00400	4	6	24	66	36
00420	4,2	6	24	66	36
00430	4,3	6	24	66	36
00450	4,5	6	24	66	36
00500	5	6	28	66	36
00520	5,2	6	28	66	36

BTOD.FD.	D	d	l	L	L4
	m7	h6			
00550	5,5	6	28	66	36
00600	6	6	28	66	36
00650	6,5	8	34	79	36
00680	6,8	8	34	79	36
00700	7	8	34	79	36
00750	7,5	8	41	79	36
00800	8	8	41	79	36
00850	8,5	10	47	89	40
00860	8,6	10	47	89	40
00880	8,8	10	47	89	40

BTOD.FD.	D	d	l	L	L4
	m7	h6			
00900	9	10	47	89	40
00950	9,5	10	47	89	40
01000	10	10	47	89	40
01020	10,2	12	55	102	45
01050	10,5	12	55	102	45
01080	10,8	12	55	102	45
01100	11	12	55	102	45
01200	12	12	55	102	45

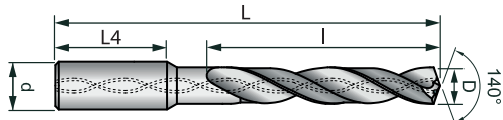
BTOF.FD



AlCrN

M3 S2 S4

MC

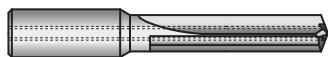


BTOF.FD.	D	d	l	L	L4
	m7	h6			
00300	3	6	28	66	36
00330	3,3	6	28	66	36
00340	3,4	6	28	66	36
00350	3,5	6	28	66	36
00400	4	6	36	74	36
00420	4,2	6	36	74	36
00430	4,3	6	36	74	36
00450	4,5	6	36	74	36
00500	5	6	44	82	36
00520	5,2	6	44	82	36

BTOF.FD.	D	d	l	L	L4
	m7	h6			
00550	5,5	6	44	82	36
00600	6	6	44	82	36
00650	6,5	8	53	91	36
00680	6,8	8	53	91	36
00700	7	8	53	91	36
00750	7,5	8	53	91	36
00800	8	8	53	91	36
00850	8,5	10	61	103	40
00860	8,6	10	61	103	40
00880	8,8	10	61	103	40

BTOF.FD.	D	d	l	L	L4
	m7	h6			
00900	9	10	61	103	40
00950	9,5	10	61	103	40
01000	10	10	61	103	40
01020	10,2	12	71	118	45
01050	10,5	12	71	118	45
01080	10,8	12	71	118	45
01100	11	12	71	118	45
01200	12	12	71	118	45

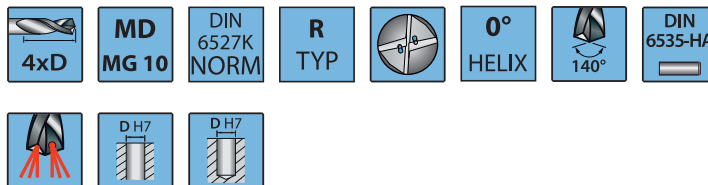
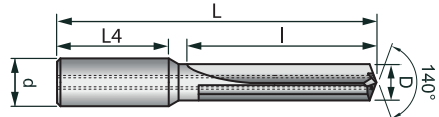
BAOD.FO



NO

K5 N7

MC



BAOD.FO.	D	d	I	L	L4
	k6	h6			
00400	4	6	24	66	36
00420	4,2	6	24	66	36
00450	4,5	6	24	66	36
00500	5	6	28	66	36
00520	5,2	6	28	66	36
00550	5,5	6	28	66	36
00600	6	6	28	66	36
00650	6,5	8	34	79	36

BAOD.FO.	D	d	I	L	L4
	k6	h6			
00690	6,8	8	34	79	36
00700	7	8	34	79	36
00750	7,5	8	41	79	36
00800	8	8	41	79	36
00850	8,5	10	47	89	40
00860	8,6	10	47	89	40
00900	9	10	47	89	40
00950	9,5	10	47	89	40

BAOD.FO.	D	d	I	L	L4
	k6	h6			
01000	10	10	47	89	40
01030	10,2	12	55	102	45
01050	10,5	12	55	102	45
01080	10,8	12	55	102	45
01100	11	12	55	102	45
01200	12	12	55	102	45

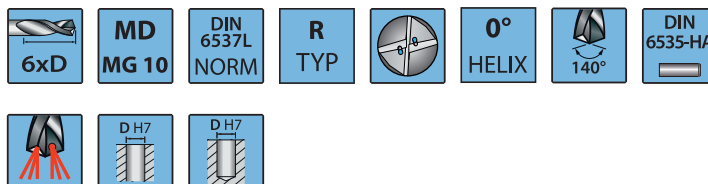
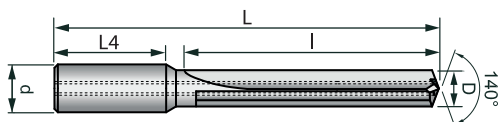
BAOF.FO



NO

K5 N7

MC



BAOF.FO.	D	d	I	L	L4
	k6	h6			
00400	4	6	36	74	36
00420	4,2	6	36	74	36
00450	4,5	6	36	74	36
00500	5	6	44	82	36
00520	5,2	6	44	82	36
00550	5,5	6	44	82	36
00600	6	6	44	82	36
00650	6,5	8	53	91	36

BAOF.FO.	D	d	I	L	L4
	k6	h6			
00690	6,8	8	53	91	36
00700	7	8	53	91	36
00750	7,5	8	53	91	36
00800	8	8	53	91	36
00850	8,5	10	61	103	40
00860	8,6	10	61	103	40
00900	9	10	61	103	40
00950	9,5	10	61	103	40

BAOF.FO.	D	d	I	L	L4
	k6	h6			
01000	10	10	61	103	40
01030	10,2	12	71	118	45
01050	10,5	12	71	118	45
01080	10,8	12	71	118	45
01100	11	12	71	118	45
01200	12	12	71	118	45

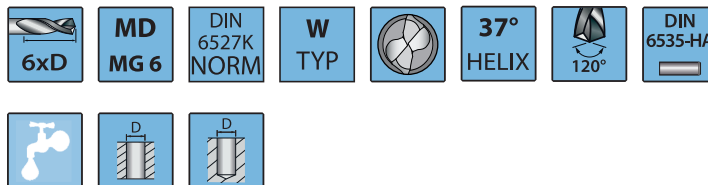
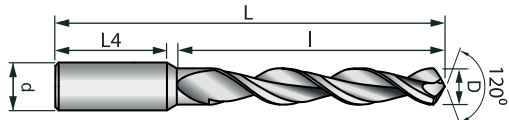
BFOF.FF



FIBER

N8

MC



BFOF.FF.	D	d	l	L	L4
	m7	h6			
00300	3	6	28	66	36
00330	3,3	6	28	66	36
00340	3,4	6	28	66	36
00350	3,5	6	28	66	36
00400	4	6	36	74	36
00420	4,2	6	36	74	36
00430	4,3	6	36	74	36
00450	4,5	6	36	74	36
00500	5	6	44	82	36
00520	5,2	6	44	82	36

BFOF.FF.	D	d	l	L	L4
	m7	h6			
00550	5,5	6	44	82	36
00600	6	6	44	82	36
00650	6,5	8	53	91	36
00680	6,8	8	53	91	36
00700	7	8	53	91	36
00750	7,5	8	53	91	36
00800	8	8	53	91	36
00850	8,5	10	61	103	40
00860	8,6	10	61	103	40
00880	8,8	10	61	103	40

BFOF.FF.	D	d	l	L	L4
	m7	h6			
00900	9	10	61	103	40
00950	9,5	10	61	103	40
01000	10	10	61	103	40
01020	10,2	12	71	118	45
01050	10,5	12	71	118	45
01080	10,8	12	71	118	45
01100	11	12	71	118	45
01200	12	12	71	118	45

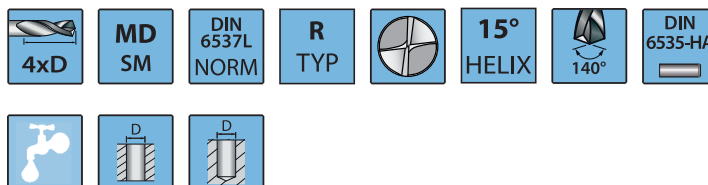
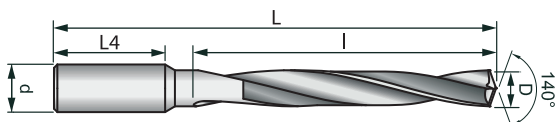
BHOD.ED



AlCrN

H1 H2

MC




BHOD.ED.	D	d	l	L	L4
	h7	h6			
00300	3	4	20	60	36
00330	3,3	4	22	60	36
00340	3,4	4	22	60	36
00350	3,5	4	22	60	36
00400	4	4	24	60	34
00420	4,2	6	25	70	36
00430	4,3	6	25	70	36
00450	4,5	6	26	70	36
00500	5	6	28	70	36
00520	5,2	6	30	70	36

BHOD.ED.	D	d	l	L	L4
	h7	h6			
00550	5,5	6	30	70	36
00600	6	6	32	70	36
00650	6,5	8	34	75	36
00680	6,8	8	36	75	36
00700	7	8	36	75	36
00750	7,5	8	36	75	36
00800	8	8	39	75	34
00850	8,5	10	42	100	45
00860	8,6	10	42	100	45
00880	8,8	10	44	100	45


BHOD.ED.	D	d	l	L	L4
	h7	h6			
00900	9	10	44	100	45
00950	9,5	10	46	100	45
01000	10	10	48	100	45
01020	10,2	12	50	100	45
01050	10,5	12	50	100	45
01080	10,8	12	52	100	45
01100	11	12	52	100	45
01200	12	12	56	100	43

BCOI.FO



NO

BCOI.FD



AlCrN


P1 N7

P1 M3 K5 N7 N6 S2


MD MG 10


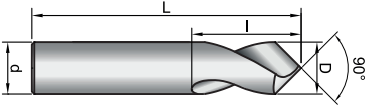
RK NORM


NC TYP



30° HELIX









BCOI.FO.	BCOI.FD.	D	d	l	L	α	Z
		k6	h6				
00400	00400	4	4	10	40	90°	2
00500	00500	5	5	13	50	90°	2
00600	00600	6	6	13	50	90°	2
00800	00800	8	8	23	60	90°	2


BCOI.FO.	BCOI.FD.	D	d	l	L	α	Z
		k6	h6				
01000	01000	10	10	24	72	90°	2
01200	01200	12	12	24	70	90°	2
01600	01600	16	16	29	92	90°	2
02000	02000	20	20	35	100	90°	2

BCAB.FO



NO

BCAB.FD



AlCrN


P1 N7

P1 M3 K5 N7 N6 S2


MD MG 10


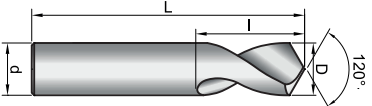
RK NORM


NC TYP



30° HELIX





BCAB.FO.	BCAB.FD.	D	d	l	L	α	Z
		k6	h6				
00400	00400	4	4	10	40	120°	2
00500	00500	5	5	13	50	120°	2
00600	00600	6	6	13	50	120°	2
00800	00800	8	8	23	60	120°	2

BCAB.FO.	BCAB.FD.	D	d	l	L	α	Z
		k6	h6				
01000	01000	10	10	24	72	120°	2
01200	01200	12	12	24	70	120°	2
01600	01600	16	16	29	92	120°	2
02000	02000	20	20	35	100	120°	2

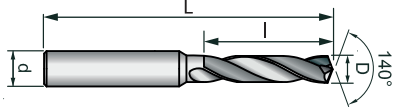
BBOD.ED



AlCrN

P1 M3 K5 S2 S4 H1

MC



BBOD.ED.	D	d	l	L
	m7	h6		
00050	0,5	3	3	47
00060	0,6	3	4	47
00070	0,7	3	4	47
00080	0,8	3	5	47
00090	0,9	3	5	47
00100	1	3	6	47
00110	1,1	3	7	47
00120	1,2	3	7	47
00130	1,3	3	8	47

BBOD.ED.	D	d	l	L
	m7	h6		
00140	1,4	3	8	47
00150	1,5	3	9	47
00160	1,6	3	10	47
00170	1,7	3	10	47
00180	1,8	3	11	52
00190	1,9	3	11	52
00200	2	4	12	59
00210	2,1	4	13	59
00220	2,2	4	13	59

BBOD.ED.	D	d	l	L
	m7	h6		
00230	2,3	4	14	59
00240	2,4	4	14	59
00250	2,5	4	15	59
00260	2,6	4	16	59
00270	2,7	4	16	59
00280	2,8	4	17	59
00290	2,9	4	17	59
00300	3	4	18	59

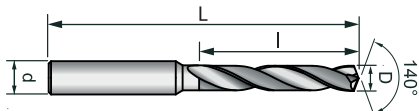
BBOG.ED



AlCrN

P1 M3 K5 S2 S4 H1

MC



BBOG.ED.	D	d	l	L
	m7	h6		
00050	0,5	3	4	47
00060	0,6	3	5	47
00070	0,7	3	6	47
00080	0,8	3	6	47
00090	0,9	3	7	47
00100	1	3	8	47
00110	1,1	3	9	47
00120	1,2	3	11	52
00130	1,3	3	12	52

BBOG.ED.	D	d	l	L
	m7	h6		
00140	1,4	3	13	52
00150	1,5	3	14	52
00160	1,6	3	14	52
00170	1,7	3	15	52
00180	1,8	3	16	52
00190	1,9	3	17	52
00200	2	4	18	63
00210	2,1	4	19	63
00220	2,2	4	20	63

BBOG.ED.	D	d	l	L
	m7	h6		
00230	2,3	4	21	63
00240	2,4	4	22	63
00250	2,5	4	23	63
00260	2,6	4	23	67
00270	2,7	4	24	67
00280	2,8	4	25	67
00290	2,9	4	26	67
00300	3	4	27	67

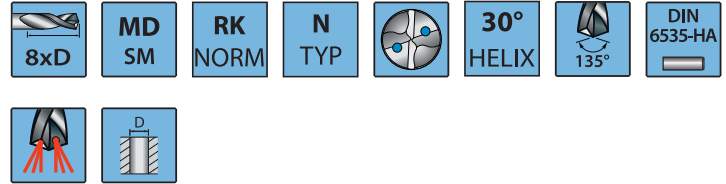
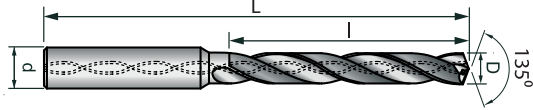
RBOH.ED



AlCrN

P1 M3 K5 S2 S4 H1

MC



RBOH.ED.	D h7	d h6	l	L
00140	1,4	4	15	52
00150	1,5	4	17	52
00160	1,6	4	18	52
00170	1,7	4	19	56
00180	1,8	4	20	56
00190	1,9	4	21	56

RBOH.ED.	D h7	d h6	l	L
00200	2	4	22	56
00210	2,1	4	23	62
00220	2,2	4	24	62
00230	2,3	4	25	62
00240	2,4	4	26	62
00250	2,5	4	28	62

RBOH.ED.	D h7	d h6	l	L
00260	2,6	4	29	66
00270	2,7	4	30	66
00280	2,8	4	31	66
00290	2,9	4	32	66
00300	3	4	33	66

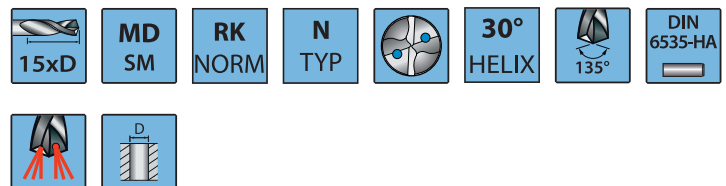
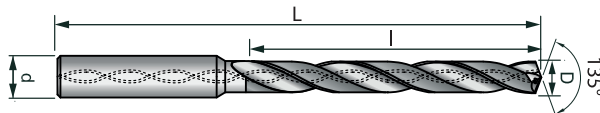
RBAE.ED



AlCrN

P1 M3 K5 S2 S4 H1

MC



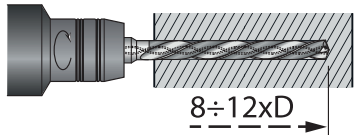
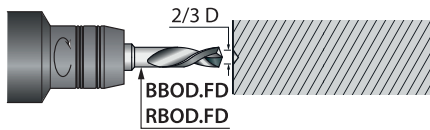
RBAE.ED.	D h7	d h6	l	L
00140	1,4	4	25	62
00150	1,5	4	27	62
00160	1,6	4	29	62
00170	1,7	4	31	70
00180	1,8	4	32	70
00190	1,9	4	34	70

RBAE.ED.	D h7	d h6	l	L
00200	2	4	36	70
00210	2,1	4	38	78
00220	2,2	4	40	78
00230	2,3	4	42	78
00240	2,4	4	44	78
00250	2,5	4	45	78

RBAE.ED.	D h7	d h6	l	L
00260	2,6	4	47	87
00270	2,7	4	48	87
00280	2,8	4	50	87
00290	2,9	4	52	87
00300	3	4	54	87

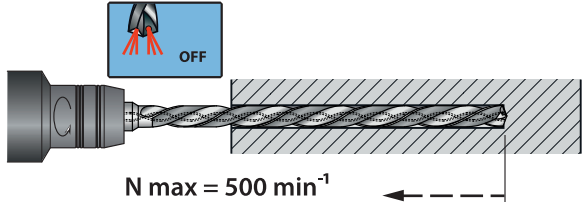
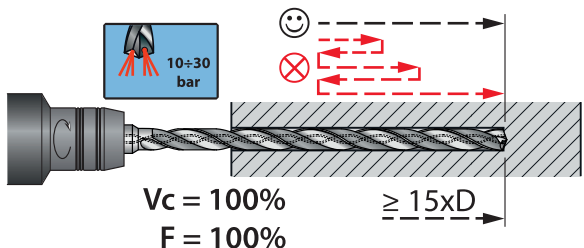
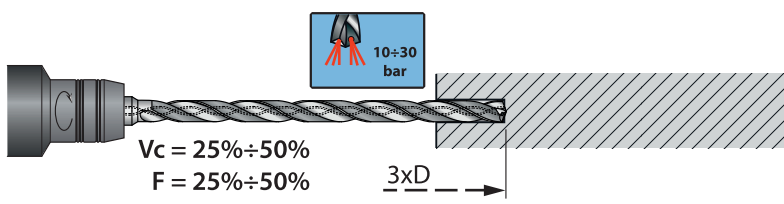
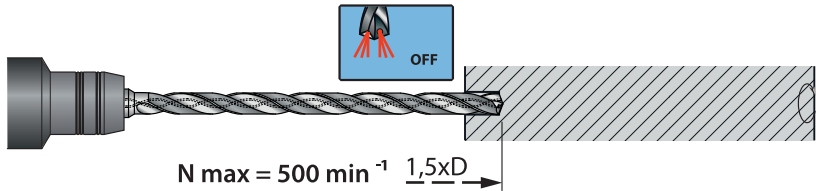
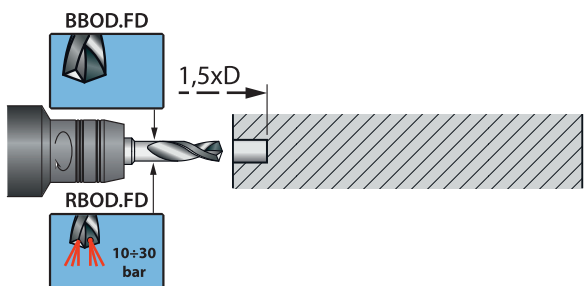
8 ÷ 12xD

Zentrierung / Centraggio / Centering



≥ 15xD

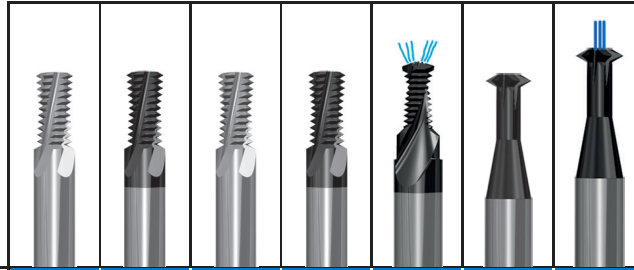
Pilotbohrung / Foratura pilota / Pilot drilling



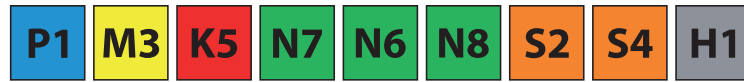
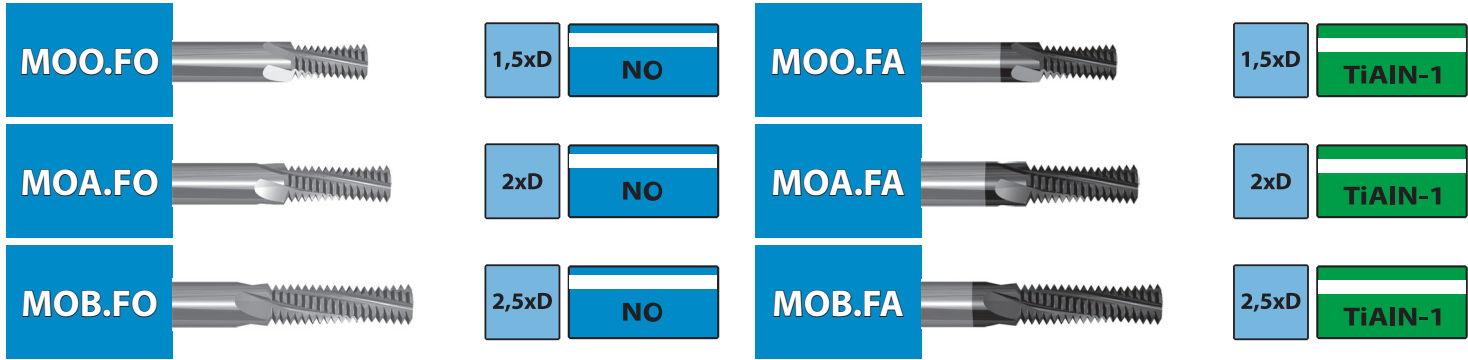


THREAD-MILL

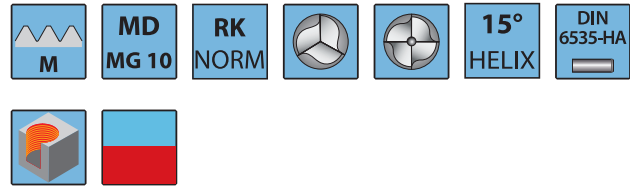
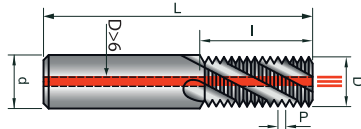
INHALT
INDICE
INDEX



ITEM	MOO.FO	MOO.FA	FOO.FO	FOO.FA	BMOO.FA	RMOA.FA	RMOB.FA
	MOA.FO	MOA.FA	FOA.FO	FOA.FA	BMOA.FA		
	MOB.FO	MOB.FA	FOB.FO	FOB.FA			
GEWINDE FILETTATURA THREAD							
ROHATERIAL MATERIALE RAW MATERIAL	MD MG 10		MD MG 10		MD MG 10		MD MG 10
BESCHICHTUNG RIVESTIMENTO COATING	NO		NO				
NORM NORMA STANDARD	RK NORM		RK NORM		RK NORM		RK NORM
SERIEN SERIE SERIE	1,5xD 2xD 2,5xD		1,5xD 2xD 2,5xD		1,5xD 2xD		1,5xD 2xD 3xD
FRONTANSICHT VISTA FRONTALE FRONT VIEW							
HELIX WINKEL ELICA ANGOLO HELIX ANGLE	15° HELIX		15° HELIX		30° HELIX		0° HELIX
SHAFT GAMBO SHANK	DIN 6535-HA		DIN 6535-HA		DIN 6535-HA		DIN 6535-HA
FRÄSERTYP TIPO DI FRESATURA TYPE OF MILLING							
OBERFLÄCHENVEREDELUNG FINITURA SUPERFICIALE SURFACE FINISHING							
Ø	M 4 ÷ M 20		MF 4 ÷ MF 20		M 4 ÷ M 14		M 2 ÷ M 6 M 8 ÷ M 12
l	4-3		4-4		4-5		4-5
P1	Stahl / Acciaio / Steel		P1		P1		P1
M3	Rostfreier Stahl / acciaio inossidabile / Stainless steel		M3		M3		
K5	Gusseisen / Ghisa / Cast iron		K5		K5		K5
N7	Legierungen / Alloys / Leghe: Al + Mg		N7		N7		N7
N6	Legierungen / Alloys / Leghe: Cu		N6		N6		
N8	Sintetische Materialien / Materiali sintetici / Synthetic materials		N8				N8
N9	Graphit / Grafite / Graphite						N9
S2	Legierungen / Alloys / Leghe: Ti		S2				S2
S4	Legierungen / Alloys / Leghe: Ni		S4				
H1	Stahl / Acciaio / Steel 45 ÷ 50 HRC		H1				H1
H2	Stahl / Acciaio / Steel: 50 ÷ 70 HRC						H2



MC

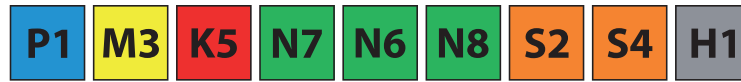
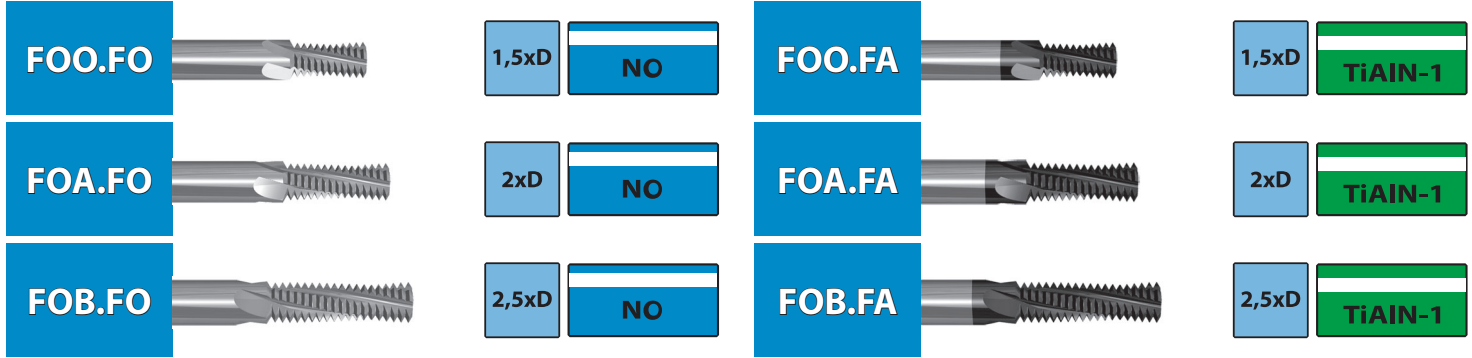


MOO.FO.	MOO.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	50	3	M4	0,7	6,3	9	
00380	00380	3,8	6	50	3	M5	0,8	8	10	
00450	00450	4,5	6	54	3	M6	1	9	9	
00600	00600	6	6	54	3	M8	1,25	12,5	10	
00750.00H2	00750.00H2	7,5	8	60	3	M10	1,5	15	10	*
00950.00H2	00950.00H2	9,5	10	70	4	M12	1,75	19,25	11	*
01100.00H2	01100.00H2	11	12	80	4	M14	2	22	11	*
01200.00H2	01200.00H2	12	12	80	4	M16	2	24	12	*
01400.00H2	01400.00H2	14	14	90	4	M18	2,5	27,5	11	*
01600.00H2	01600.00H2	16	16	100	4	M20	2,5	30	12	*

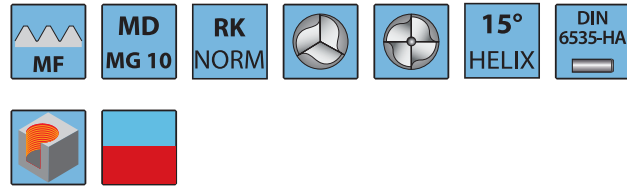
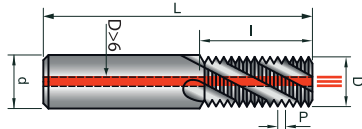
MOA.FO.	MOA.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	50	3	M4	0,7	8,4	12	
00380	00380	3,8	6	54	3	M5	0,8	10,4	13	
00450	00450	4,5	6	54	3	M6	1	12	12	
00600	00600	6	6	60	3	M8	1,25	16,25	13	
00750.00H2	00750.00H2	7,5	8	65	3	M10	1,5	21	14	*
00950.00H2	00950.00H2	9,5	10	75	4	M12	1,75	24,5	14	*
01100.00H2	01100.00H2	11	12	90	4	M14	2	28	14	*
01200.00H2	01200.00H2	12	12	90	4	M16	2	32	16	*
01400.00H2	01400.00H2	14	14	100	4	M18	2,5	37,5	15	*
01600.00H2	01600.00H2	16	16	104	4	M20	2,5	40	16	*

MOB.FO.	MOB.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	54	3	M4	0,7	10,5	15	
00380	00380	3,8	6	54	3	M5	0,8	12,8	16	
00450	00450	4,5	6	60	3	M6	1	15	15	
00600	00600	6	6	62	3	M8	1,25	20	16	
00750.00H2	00750.00H2	7,5	8	70	3	M10	1,5	25,5	17	*
00950.00H2	00950.00H2	9,5	10	82	4	M12	1,75	31,5	18	*
01100.00H2	01100.00H2	11	12	100	4	M14	2	36	18	*
01200.00H2	01200.00H2	12	12	100	4	M16	2	40	20	*
01400.00H2	01400.00H2	14	14	104	4	M18	2,5	45	18	*
01600.00H2	01600.00H2	16	16	115	4	M20	2,5	50	20	*

VHM - MD
 CARBIDE



MC



FOO.FO.	FOO.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	50	3	MF4	0,5	6	12	
00380	00380	3,8	6	50	3	MF5	0,5	7,5	15	
00450	00450	4,5	6	54	3	MF6	0,75	9	12	
00600	00600	6	6	54	3	MF8	1	12	12	
00750.00H2	00750.00H2	7,5	8	60	3	MF10	1	15	15	*
00950.00H2	00950.00H2	9,5	10	70	4	MF12	1,5	18	12	*
01100.00H2	01100.00H2	11	12	80	4	MF14	1,5	21	14	*
01200.00H2	01200.00H2	12	12	80	4	MF16	1,5	24	16	*
01400.00H2	01400.00H2	14	14	90	4	MF18	1,5	27,5	18	*
01600.00H2	01600.00H2	16	16	100	4	MF20	1,5	30	20	*

FOA.FO.	FOA.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	50	3	MF4	0,5	8	16	
00380	00380	3,8	6	54	3	MF5	0,5	10	20	
00450	00450	4,5	6	54	3	MF6	0,75	12	16	
00600	00600	6	6	60	3	MF8	1	16	16	
00750.00H2	00750.00H2	7,5	8	65	3	MF10	1	20	20	*
00950.00H2	00950.00H2	9,5	10	75	4	MF12	1,5	24	16	*
01100.00H2	01100.00H2	11	12	90	4	MF14	1,5	28,5	19	*
01200.00H2	01200.00H2	12	12	90	4	MF16	1,5	33	22	*
01400.00H2	01400.00H2	14	14	100	4	MF18	1,5	36	24	*
01600.00H2	01600.00H2	16	16	104	4	MF20	1,5	40,5	27	*

FOB.FO.	FOB.FA.	D	d	L	Z	M	P	I	N°HL	RA
		±0,02	h6							
00300	00300	3	6	54	3	MF4	0,5	10	20	
00380	00380	3,8	6	54	3	MF5	0,5	12,5	25	
00450	00450	4,5	6	60	3	MF6	0,75	15	20	
00600	00600	6	6	62	3	MF8	1	20	20	
00750.00H2	00750.00H2	7,5	8	70	3	MF10	1	25	25	*
00950.00H2	00950.00H2	9,5	10	82	4	MF12	1,5	30	20	*
01100.00H2	01100.00H2	11	12	100	4	MF14	1,5	36	24	*
01200.00H2	01200.00H2	12	12	100	4	MF16	1,5	40,5	27	*
01400.00H2	01400.00H2	14	14	104	4	MF18	1,5	45	30	*
01600.00H2	01600.00H2	16	16	115	4	MF20	1,5	51	34	*

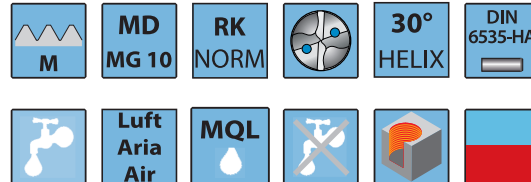
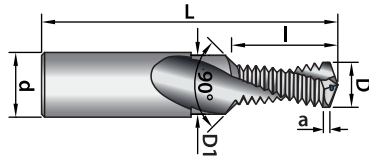
THREAD-MILL

Bohrungweidfräser und Senkfase mit innenkühlung, metrisches Gewinde
 Frese a forare, filettare e svasare con refrigerazione interna, filettatura metrica
 Thread milling cutter with countersink and internal coolant feed, metric thread



K5 N7 N6

HPC



BMOO.FA.	D	D1	d	L	Z	M	P	l	a
	±0,02		h6						
00330	3,3	4,5	6	62	2	M4	0,7	7,3	0,7
00420	4,2	5,6	6	66	2	M5	0,8	9,2	0,8
00500	5	6,6	8	70	2	M6	1	11,5	1
00675	6,75	9	10	72	2	M8	1,25	14,4	1,25
00850	8,5	11	12	83	2	M10	1,5	18,9	1,5

BMOA.FA.	D	D1	d	L	Z	M	P	l	a
	±0,02		h6						
00330	3,3	4,5	6	62	2	M4	0,7	9,4	0,7
00420	4,2	5,5	6	66	2	M5	0,8	11,6	0,8
00500	5	6,6	8	75	2	M6	1	14,5	1
00675	6,75	9	10	80	2	M8	1,25	18,2	1,25
00850	8,5	11	12	100	2	M10	1,5	23,4	1,5
01025	10,25	13,5	14	100	2	M12	1,75	27,1	1,5
01200	12	15,5	16	105	2	M14	2	32,8	1,5

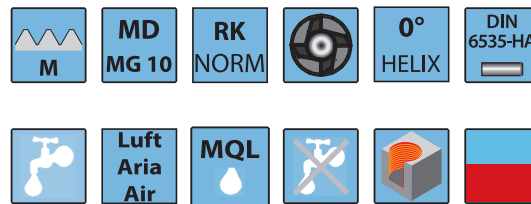
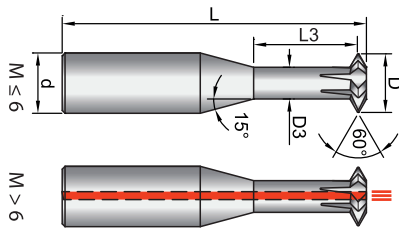
THREAD-MILL

Gewindefräser einschneidig für Innengewinde
 Fresa a filettare mono profilo per filettatura interna
 Single tooth thread mill for internal thread



P1 M3 K5 N7 N6 N8 S2 S4 H1 H2

HPC



RMOA.FA.	D	d	L	Z	L3	M	P
	±0,02	h6					
00150	1,5	3	39	4	4	M2	0,4
00190	1,9	3	39	5	6	M2,5	0,45
00240	2,4	3	39	5	6	M3	0,5
00320	3,2	4	40	6	8	M4	0,7
00410	4,1	6	50	6	10	M5	0,8
00490	4,9	6	50	6	12	M6	1

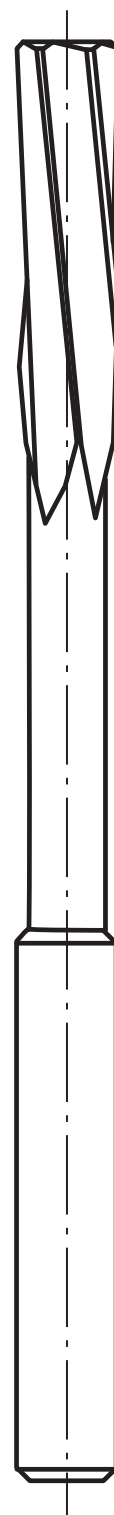
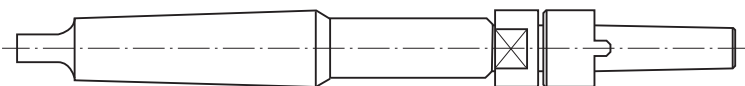
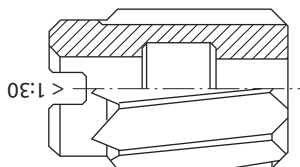
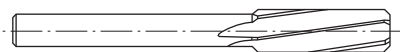
RMOA.FA.	D	d	L	Z	L3	M	P
	±0,02	h6					
00650	6,5	8	63	5	25	M8	1,25
00820	8,2	10	72	5	30	M10	1,5
00950	9,5	10	79	5	36	M12	1,75

VHM - MD CARBIDE





Reibahlen Alesatori Reamers

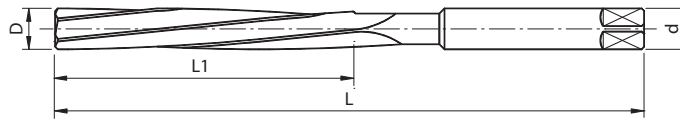


**A00**

Handreibahl mit Zylinderschaft
Alesatore a mano codolo cilindrico
Handand reamer with cylindrical shank

DIN
208-B

HSS

UNI
68526°-LH
HELIX

D H7	L1	L	d f8
1	15	40	1
1,5	20	41	1,5
2	25	50	2
2,5	29	58	1,5
3	31	62	3
3,5	35	71	3,5
4	38	76	4
4,5	41	81	4,5
5	44	87	5
5,5	47	93	5,5
6	47	93	6

D H7	L1	L	d f8
6,5	50	100	6,5
7	54	107	7
7,5	54	107	7,5
8	58	115	8
8,5	58	115	8,5
9	62	124	9
9,5	62	124	9,5
10	66	133	10
11	71	142	11
12	76	152	12
13	76	152	13

D H7	L1	L	d f8
14	81	163	14
15	81	163	15
16	87	175	16
17	87	175	17
18	93	188	18
19	93	188	19
20	100	201	20
22	107	215	22
24	115	231	24
25	115	231	25
26	115	231	26

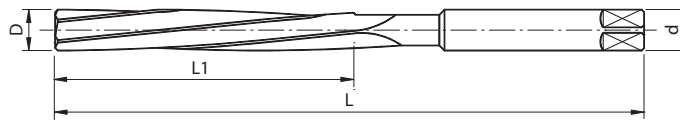
D H7	L1	L	d f8
28	124	247	28
30	124	247	30
32	133	265	32
34	142	284	34
35	142	284	35
36	142	284	36
38	152	305	38
40	152	305	40
42	152	305	42
45	163	326	45
50	174	347	50

**AAB**

Handreibahl Progression Hundertsteln mit Zylinderschaft
Alesatore a mano progressione centesimale codolo cilindrico
Hand reamer progression centesimal with cylindrical shank

DIN
208-B

HSS

UNI
68526°-LH
HELIX

D 0/+0,004	L1	L	d f8
1,10-1,32	15	40	--
1,33-1,62	20	41	--
1,63-1,92	23	47	--
1,93-2,12	25	50	--
2,13-2,32	27	54	--
2,33-2,62	29	58	--
2,63-3,02	31	62	--

D 0/+0,004	L1	L	d f8
3,03-3,32	33	66	--
3,33-3,72	35	71	--
3,73-4,22	38	76	--
4,23-4,72	41	81	--
4,73-5,32	44	87	--
5,33-6,15	47	93	--
6,16-6,65	50	100	--

D 0/+0,004	L1	L	d f8
6,66-7,65	54	107	--
7,66-8,65	58	115	--
8,66-9,65	62	124	--
9,66-10,65	66	133	--
10,66-11,65	71	142	--
11,66-13,15	76	152	--
13,16-14,20	81	163	--

D 0/+0,004	L1	L	d f8
14,21-15,20	81	163	--
15,21-16,20	87	175	--
16,21-17,20	87	175	--
17,21-18,20	93	188	--
18,21-19,20	93	188	--
19,21-20,20	100	201	--

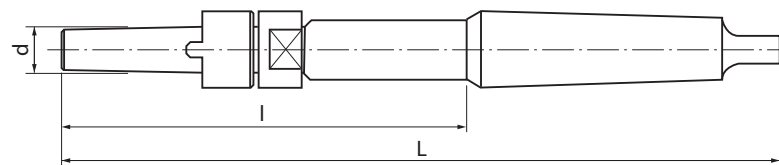
**ADH**

Aufsteckhalter mit Nitnahmering und Abdrückmutter
Mandrino per alesatore a manicotto
Arbor for reamer

DIN
217

HSS

1/30



d	I	L	MORSE
10	145	220	3
13	156	250	3

d	I	L	MORSE
16	167	261	3
19	180	298	4

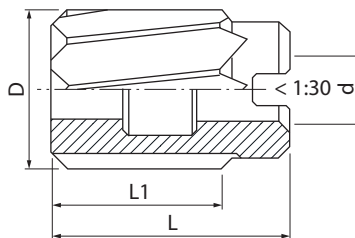
d	I	L	MORSE
22	194	312	4
27	209	359	5

d	I	L	MORSE
32	226	376	5
40	246	396	5

**AEO**

Zylindrischer Maschinenreibahl, aufsteckbare Ausführung
Alesatore cilindrici a macchina a manicotto
Shell type stright machine reamer

DIN 219
 HSSE
 1/30
 UNI 6855
 6°-LH
 HELIX



D H7	L1	L	d
20	28	40	10
22	28	40	10
24	32	45	13
25	32	45	13
26	32	45	13
28	32	45	13
30	32	45	13

D H7	L1	L	d
32	36	50	16
34	36	50	16
35	36	50	16
36	40	56	19
38	40	56	19
40	40	56	19
42	40	56	19

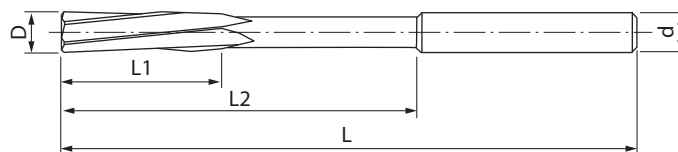
D H7	L1	L	d
44	45	63	22
45	45	63	22
46	45	63	22
48	45	63	22
50	45	63	22
52	50	71	27
55	50	71	27

D H7	L1	L	d
58	50	71	27
60	50	71	27
62	56	80	32
65	56	80	32
68	56	80	32
70	56	80	32

**BOO**

Maschinenreibahl mit Zylinderschaft
Alesatore a macchina con codolo cilindrico
Machine reamer with cylindrical shank

DIN 212
 HSSE
 UNI 6853



D H7	L1	L2	L	d
1	8	-	40	1
1,5	8	-	40	1,5
2	11	-	49	2
2,5	14	-	57	2,5
3	16	-	65	3
3,5	18	45	70	3,5
4	19	47	75	4
4,5	21	51	80	4,5
5	23	56	86	5
5,5	26	58	93	5
6	26	58	93	6
6,5	28	63	101	6
7	31	71	109	7
7,5	31	71	109	7
8	33	77	117	8
8,5	33	77	117	8

D H7	L1	L2	L	d
9	36	80	125	9
9,5	36	80	125	9
10	38	85	133	10
10,5	38	85	133	10
11	41	92	142	10
11,5	41	92	142	10
12	44	99	151	10
12,5	44	99	151	10
13	44	99	151	10
13,5	47	105	160	12,5
14	47	105	160	12,5
14,5	50	107	162	14
15	50	107	162	14
15,5	52	115	170	14
16	52	115	170	14
16,5	54	119	175	14

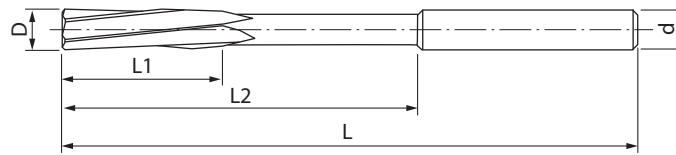
D H7	L1	L2	L	d
17	54	119	175	14
17,5	56	122	182	14
18	56	122	182	14
18,5	58	127	189	16
19	58	127	189	16
19,5	60	130	195	16
20	60	130	195	16
22	65	134	200	16
24	65	134	200	20
25	65	134	200	20
26	65	134	200	20
28	70	139	205	25
30	70	139	205	25
32	70	139	205	25
34	70	139	205	25
35	70	139	205	25

**BAO**

Maschinenreibahl Progression Hundertstel mit Zylinderschaft
Alesatore a macchina progressione centesimale codolo cilindrico
Machine reamer progression centesimal with cylindrical shank

DIN 212
 UNI 6853

HSSE
 6°-LH
 HELIX



D H7	L1	L2	L	d h8
0,9	8	-	40	d=D
1,1-1,4	8	-	40	d=D
1,6-1,9	9	-	43	d=D
2,1	11	26	49	2
2,2-2,3	12	-	53	2
2,4	14	-	57	2,3
2,6	14	-	57	2,5
2,7-2,9	15	-	61	2,5
3,1-3,3	16	40	65	3
3,4-3,7	18	45	70	3,5
3,8-4,2	19	47	75	4
4,3-4,7	21	51	80	4,5
4,8-5,1	23	56	86	5

D H7	L1	L2	L	d h8
5,2-5,4	26	58	93	5
5,6-6,1	26	58	93	6
6,2-6,7	28	63	101	6
6,8-7,4	31	71	109	7
7,6-8,4	33	77	117	8
8,6-9,4	36	80	125	9
9,6-10,6	38	85	133	10
10,7-11,8	41	92	142	10
11,9-13,2	44	99	151	10
13,3-14,1	47	105	160	12,5
14,2-15,1	50	107	162	12,5
15,2-16,1	52	115	170	12,5
16,2-17,1	54	119	175	14

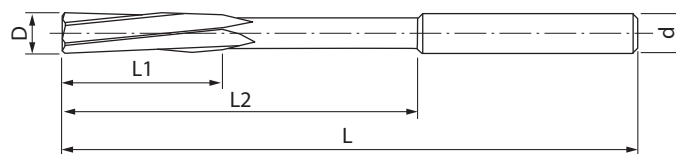
D H7	L1	L2	L	d h8
17,2-18,1	56	122	182	14
18,2-19,1	58	127	189	16
19,2-20,1	60	130	195	16
20,2-21,2	60	130	195	16
21,3-22,2	65	134	200	16
22,3-24,2	65	134	200	20
24,3-25,2	65	134	200	20
25,3-26,2	70	139	205	20
26,3-28,2	70	139	205	25
28,2-30,2	70	139	205	25
30,3-32,2	70	139	205	25
32,3-35,2	70	139	205	25

**BBO**

Maschinenreibahl Progression Hundertstel mit Zylinderschaft
Alesatore a macchina progressione centesimale codolo cilindrico
Machine reamer progression centesimal with cylindrical shank

DIN 212
 UNI 6853

HSSE
 6°-LH
 HELIX



D H7	L1	L2	L	d h8
0,80-0,89	8	-	40	d=D
0,90-0,96	8	-	40	d=D
0,97-1,50	8	-	40	d=D
1,51-1,93	9	-	43	d=D
1,94-2,12	11	26	49	d=D
2,13-2,36	12	-	53	2
2,37-2,48	14	-	57	2,3
2,49-2,65	14	-	57	2,5
2,66-2,96	15	-	61	2,5
2,97-3,35	16	40	65	3
3,36-3,75	18	45	70	3,5
3,76-4,25	19	47	75	4
4,26-4,75	21	51	80	4,5
4,76-5,15	23	56	86	5

D H7	L1	L2	L	d h8
5,16-5,55	26	58	93	5
5,56-6,15	26	58	93	6
6,16-6,71	28	63	101	6
6,72-7,51	31	71	109	7
7,52-8,50	33	77	117	8
8,51-9,50	36	80	125	9
9,51-10,60	38	85	133	10
10,61-11,80	41	92	142	10
11,81-12,20	44	99	151	10
12,21-13,20	44	99	151	10
13,21-14,15	47	105	160	12,5
14,16-15,15	50	107	162	12,5
15,16-16,15	52	115	170	12,5
16,16-17,15	54	119	175	14

D H7	L1	L2	L	d h8
17,16-18,15	56	122	182	14
18,16-19,15	58	127	189	16
19,16-20,15	60	130	195	16
20,16-21,20	60	130	195	16
21,11-22,20	65	134	200	16
22,21-24,20	65	134	200	20
24,21-25,20	65	134	200	20
25,21-26,20	65	134	200	20
26,21-28,20	70	139	205	25
28,21-30,20	70	139	205	25
30,21-32,20	70	139	205	25
32,21-35,20	70	139	205	25

**BCO**

Maschinenreibahl extra lang mit Zylinderschaft
Alesatore a macchina extra lungo con codolo cilindrico
Machine reamer extra long with cylindrical shank

RK
NORM

HSSE

6°-LH
HELIX

D H7	L1	L2	L	d h8
1	18	—	100	1
1,5	18	65	110	1,5
2	18	65	110	2
2,5	20	65	120	2,5
3	20	65	120	3
3,5	30	90	150	3,5
4	30	90	150	4
4,5	35	115	180	4

D H7	L1	L2	L	d h8
5	35	115	180	5
5,5	40	130	200	5
6	40	130	200	6
6,5	45	130	200	6
7	45	130	200	7
8	45	130	200	8
9	50	145	220	9
10	50	145	220	10

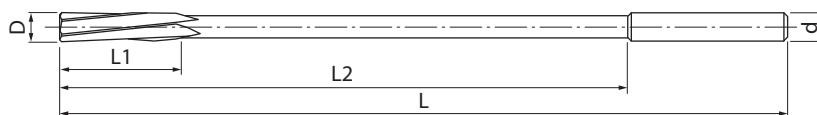
D H7	L1	L2	L	d h8
11	55	170	250	10
12	55	170	250	12
13	55	170	250	12
14	65	185	270	13
15	70	195	280	14
16	70	195	280	16
18	80	195	280	16
20	100	210	300	20

**BCA**

Maschinenreibahl Progression Hundertsteln extra lang mit Zylinderschaft
Alesatore a macchina progressione centesimale extra lungo codolo cilindrico
Machine reamer progression centesimal extra long with cylindrical shank

RK
NORM

HSSE

6°-LH
HELIX

D H7	L1	L2	L	d h8
1,2-1,9	18	65	110	d=D
2,1-2,3	20	65	120	2
2,4	20	65	120	2,3
2,6-2,7	20	65	120	2,5
2,8-3,1	20	65	120	3
3,2-3,3	30	90	150	3
3,4-3,8	30	90	150	3,5
3,9-4,2	30	90	150	4
4,3-4,9	35	115	180	4

D H7	L1	L2	L	d h8
5,1	35	115	180	5
5,2-5,9	40	130	200	5
6,1	40	130	200	6
6,2-6,9	45	130	200	6
7,1-7,9	45	130	200	7
8,1	45	130	200	8
8,2-8,9	50	145	220	8
9,1-9,9	50	145	220	9
10,1	50	145	220	10

D H7	L1	L2	L	d h8
10,2-11,1	55	170	250	10
11,2-11,9	55	170	250	10
12,1-13,1	55	170	250	12
13,2-14,1	65	185	270	13
14,2-15,1	70	195	280	14
15,2-16,1	70	195	280	16
16,2-18,1	80	195	280	16
18,1-20,1	100	210	300	20

**BCB**

Maschinenreibahl Progression Hundertsteln extra lang mit Zylinderschaft
Alesatore a macchina progressione centesimale extra lungo codolo cilindrico
Machine reamer progression centesimal extra long with cylindrical shank

RK
NORM

HSSE

6°-LH
HELIX

D -0/+0,004	L1	L2	L	d h8
1,20-1,91	18	65	110	-
1,92-2,31	20	65	120	2
2,32-2,41	20	65	120	2,3
2,42-2,71	20	65	120	2,5
2,72-3,11	20	65	120	3
3,12-3,31	30	90	150	3
3,32-3,81	30	90	150	3,5
3,82-4,24	30	90	150	4
4,25-4,91	35	115	180	4

D -0/+0,004	L1	L2	L	d h8
4,92-5,11	35	115	180	5
5,12-5,91	40	130	200	5
5,92-6,11	40	130	200	6
6,12-6,91	45	130	200	6
6,92-7,91	45	130	200	7
7,92-8,11	45	130	200	8
8,12-8,91	50	145	220	8
8,92-9,91	50	145	220	9
9,92-10,11	50	145	220	10

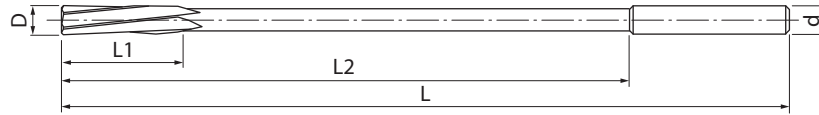
D -0/+0,004	L1	L2	L	d h8
10,12-11,11	55	170	250	10
11,12-11,91	55	170	250	10
11,92-13,11	55	170	250	12
13,12-14,11	65	185	270	13
14,12-15,11	70	195	280	14
15,12-16,11	70	195	280	16
16,12-18,12	80	195	280	16
18,12-20,11	100	210	300	20

**BCC**

Maschinenreibahl Progression Hundertsteln extra lang plus mit Zylinderschaft
Alesatore a macchina progressione centesimale extra lungo plus codolo cilindrico
Machine reamer progression centesimal extra long plus with cylindrical shank

RK
NORM

HSSE

6°-LH
HELIX

D H7	L1	L2	L	d h8
3	40	-	220	3
3,5	50	-	250	3,5
4	50	-	250	4
4,5	60	-	250	4,5
5	60	-	250	5
5,5	70	-	250	5
6	70	-	250	6
6,5	70	-	250	6
7	80	220	300	7

D H7	L1	L2	L	d h8
7,5	80	220	300	7
8	80	220	300	8
8,5	80	220	300	8
9	80	220	300	9
9,5	80	260	350	9
10	80	260	350	10
10,5	80	260	350	10
11	80	260	350	10
12	80	260	350	12

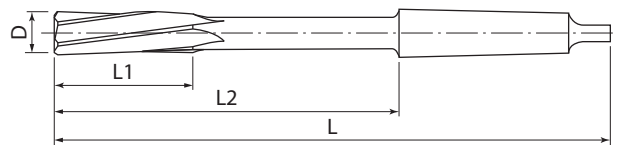
D H7	L1	L2	L	d h8
12,5	80	260	350	12
13	100	280	380	12
14	100	280	380	14
15	120	300	400	14
16	120	300	400	16
18	150	300	400	16
20	150	300	400	20

**BHO**

Maschinenreibahl mit Morsekegelschaft
Alesatore a macchina con codolo cono Morse
Machine reamer with Morse taper shank

DIN
208-B

HSSE

UNI
68546°-LH
HELIX

D H7	L1	L2	L	MORSE
4	19	58	124	1
5	23	67	133	1
6	26	72	138	1
7	31	84	150	1
8	33	90	156	1
9	36	96	162	1
10	38	102	168	1
11	41	109	175	1
12	44	116	182	1
13	44	116	182	1
14	47	123	189	1
15	50	124	204	2
16	52	130	210	2

D H7	L1	L2	L	MORSE
17	54	134	214	2
18	56	139	219	2
19	58	143	223	2
20	60	148	228	2
21	62	152	232	2
22	64	157	237	2
23	66	161	241	2
24	68	169	268	3
25	68	169	268	3
26	70	174	273	3
27	71	178	277	3
28	71	178	277	3
29	73	182	281	3

D H7	L1	L2	L	MORSE
30	73	182	281	3
32	77	193	317	4
34	78	197	321	4
35	78	197	321	4
36	79	201	325	4
38	81	205	329	4
40	81	205	329	4
42	82	209	333	4
44	83	212	336	4
45	83	212	336	4
46	84	216	340	4
48	86	220	344	4
50	86	220	344	4

**BHB**

Maschinenreibahl Progression Hundertsteln mit Morsekegelschaft
Alesatore a macchina progressione centesimale codolo cono Morse
Machine reamer progression centesimal with Morse taper shank

DIN 208-B
 UNI 6854
 HSSE
 6°-LH
 HELIX



D 0/+0,004	L1	L2	L	MORSE
3,90-4,20	19	58	124	1
4,21-5,20	23	67	133	1
5,21-6,20	26	72	138	1
6,21-7,20	31	84	150	1
7,21-8,20	33	90	156	1
8,21-9,20	36	96	162	1
9,21-10,20	38	102	168	1
10,21-11,20	41	109	175	1
11,21-12,20	44	116	182	1
12,21-13,20	44	116	182	1
13,21-14,20	47	123	189	1
14,21-15,20	50	124	204	2

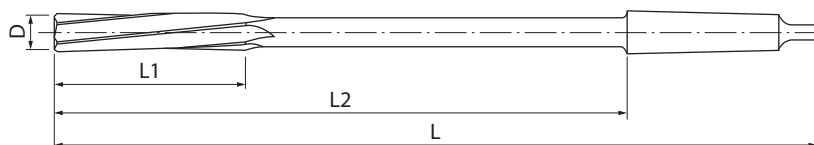
D 0/+0,004	L1	L2	L	MORSE
15,21-16,20	52	130	210	2
16,21-17,20	54	134	214	2
17,21-18,20	56	139	219	2
18,21-19,20	58	143	223	2
19,21-20,20	60	148	228	2
20,21-21,20	62	152	232	2
21,21-22,20	64	157	237	2
22,21-23,20	66	161	241	2
23,21-24,20	68	169	268	3
24,21-25,20	68	169	268	3
25,21-26,20	70	174	273	3
26,21-28,20	71	178	277	3

D 0/+0,004	L1	L2	L	MORSE
28,21-30,20	73	182	281	3
30,21-32,20	77	193	317	4
32,21-35,20	78	197	321	4
35,21-36,20	79	201	325	4
36,21-38,20	81	205	329	4
38,21-40,20	81	205	329	4
40,21-42,20	82	209	333	4
42,21-45,20	83	212	336	4
45,21-46,20	84	216	340	4
46,21-48,20	86	220	344	4
48,21-50,20	86	220	344	4

**BIO**

Maschinenreibahl Progression Hundertsteln extra lang mit Morsekegelschaft
Alesatore a macchina progressione centesimale extra lungo codolo cono Morse
Machine reamer progression centesimal extra long with Morse taper shank

RK NORM
 UNI 6854
 HSSE
 6°-LH
 HELIX



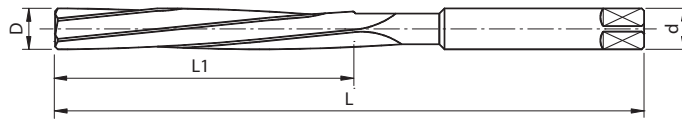
D H7	L1	L2	L	MORSE
10	60	234	300	1
9,3-10,2	60	234	300	1
11	60	234	300	1
10,3-11,2	60	234	300	1
12	70	234	300	1
11,3-12,1	70	234	300	1
13	70	234	300	1
12,2-13,2	70	234	300	1
14	70	220	300	2
13,3-14,2	70	220	300	2
15	80	240	320	2
14,3-15,2	80	240	320	2
16	80	240	320	2
15,3-16,2	80	240	320	2
17	80	240	320	2

D H7	L1	L2	L	MORSE
16,3-17,2	80	240	320	2
18	80	240	320	2
17,3-18,2	80	240	320	2
19	100	270	350	2
18,3-19,2	100	270	350	2
20	100	270	350	2
19,3-20,2	100	270	350	2
21	100	270	350	2
20,3-21,2	100	270	350	2
22	120	281	380	3
21,3-22,2	120	281	380	3
23	120	281	380	3
22,3-23,2	120	281	380	3
24	130	301	400	3
23,3-24,2	130	301	400	3

D H7	L1	L2	L	MORSE
25	130	301	400	3
24,3-25,2	130	301	400	3
26	130	301	400	3
25,3-26,2	130	301	400	3
28	150	321	420	3
26,3-28,2	150	321	420	3
30	150	321	420	3
28,3-30,2	150	321	420	3
32	150	321	420	3
30,3-32,2	150	321	420	3
34	150	321	420	3
32,3-35,2	150	321	420	3
35	150	321	420	3

**DEO**

Handreibahl mit Zylinderschaft
Alesatore a mano codolo cilindrico
Hand reamer with cylindrical shank

DIN
208-BHM
K20UNI
68526°-LH
HELIX

D H7	L1	L	d f8
3	31	65	3
3,5	35	70	3,5
4	38	76	4
4,5	41	81	4,5
5	44	86	5

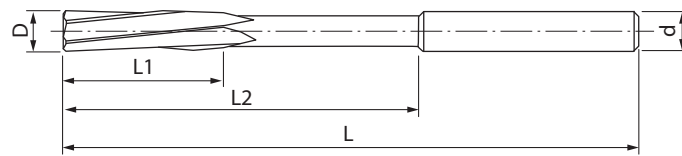
D H7	L1	L	d f8
5,5	47	93	5,5
6	47	93	6
6,5	50	101	6,5
7	54	109	7
7,5	54	109	7,5

D H7	L1	L	d f8
8	58	117	8
8,5	58	117	8,5
9	62	125	9
9,5	62	125	9,5
10	66	133	10

D H7	L1	L	d f8
11	71	142	11
12	76	151	12

**GOO**

Maschinenreibahl mit Zylinderschaft
Alesatore a macchina con codolo cilindrico
Machine reamer with cylindrical shank

DIN
212HM
K20UNI
68536°-LH
HELIX

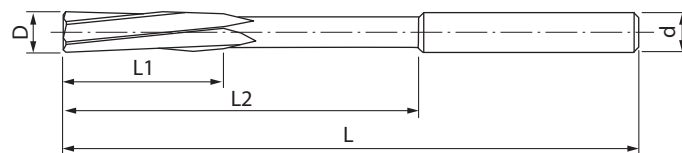
D H7	L1	L2	L	d h8
1	8	-	40	1
1,5	8	-	40	1,5
2	11	-	49	2
2,5	14	-	57	2,5
3	16	-	65	3
3,5	18	45	70	3,5
4	21	47	75	4
4,5	21	51	80	4,5
5	23	56	86	5
5,5	26	58	93	5

D H7	L1	L2	L	d h8
6	26	58	93	6
6,5	28	63	101	6
7	31	71	109	7
7,5	31	71	109	7
8	33	77	117	8
8,5	33	77	117	8
9	36	80	125	9
9,5	36	80	125	9
10	38	85	133	10
10,5	38	85	133	10

D H7	L1	L2	L	d h8
11	41	92	142	10
11,5	41	92	142	10
12	44	99	151	12
12,5	44	99	151	12,5
13	44	99	151	12,5
14	47	105	160	14
15	50	107	162	14
16	52	115	170	16
17	54	119	175	16
18	56	122	182	18

**GAO**

Maschinenreibahl Progression Hundertstel mit Zylinderschaft
Alesatore a macchina progressione centesimale codolo cilindrico
Machine reamer progression centesimal with cylindrical shank

DIN
212HM
K20UNI
68536°-LH
HELIX

D H7	L1	L2	L	d h8
1,1-1,4	8	-	40	-
1,6-1,9	9	-	43	-
2,1	11	-	49	2
2,2-2,3	12	-	53	2
2,4	14	-	57	2,3
2,6	14	-	57	2,5
2,7-2,9	15	-	61	2,5
3,1-3,3	16	-	65	3
3,4-3,7	18	45	70	3,5
3,8-4,2	19	47	75	4

D H7	L1	L2	L	d h8
4,3-4,7	21	51	80	4,5
4,8-5,1	23	56	86	5
5,2-5,6	26	58	93	5
5,7-6,1	26	58	93	6
6,2-6,7	28	63	101	6
6,8-7,6	31	71	109	7
7,7-8,6	33	77	117	8
8,7-9,6	36	80	125	9
9,7-10,6	38	85	133	10
10,7-11,6	41	92	142	10

D H7	L1	L2	L	d h8
11,7-12,2	44	99	151	12
12,3-13,2	44	99	151	12,5
13,3-14,2	47	105	160	14
14,3-15,2	50	107	162	14
15,3-16,2	52	115	170	16
16,3-17,2	54	119	175	16
17,3-18,2	56	122	182	18

**GBO**

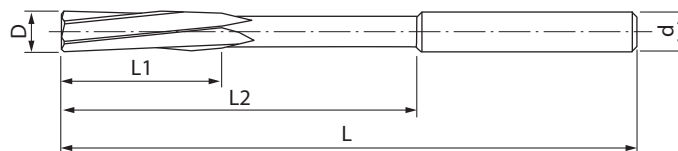
Maschinenreibahl Progression Hundertsteln mit Zylinderschaft
Alesatore a macchina progressione centesimale codolo cilindrico
Machine reamer progression centesimal with cylindrical shank

DIN
212

HM
K20

UNI
6853

6°-LH
HELIX



D	L1	L2	L	d
0/+0,004				h8
1,00-1,50	8	-	40	-
1,51-1,90	9	-	43	-
1,91-2,12	11	26	49	2
2,13-2,36	12	-	53	2
2,37-2,48	14	-	57	2,3
2,49-2,65	14	-	57	2,5
2,66-2,96	15	-	61	2,5
2,97-3,35	16	40	65	3
3,36-3,75	18	45	70	3,5

D	L1	L2	L	d
0/+0,004				h8
3,76-4,25	19	47	75	4
4,26-4,75	21	51	80	4,5
4,76-5,15	23	56	86	5
5,16-5,65	26	58	93	5
5,66-6,15	26	58	93	6
6,16-6,70	28	63	101	6
6,71-7,65	31	71	109	7
7,66-8,65	33	77	117	8
8,66-9,65	36	80	125	9

D	L1	L2	L	d
0/+0,004				h8
9,66-10,65	38	85	133	10
10,66-11,65	41	92	142	10
11,66-12,20	44	99	151	12
12,21-13,20	44	99	151	12,5
13,21-14,20	47	105	160	14
14,21-15,20	50	107	162	14
15,21-16,20	52	115	170	16
16,21-17,20	54	119	175	16
17,21-18,20	56	122	182	18

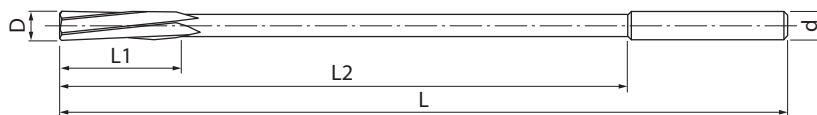
**HCO**

Maschinenreibahl extra lang mit Zylinderschaft
Alesatore a macchina extra lungo con codolo cilindrico
Machine reamer extra long with cylindrical shank

RK
NORM

HM
K40

6°-LH
HELIX



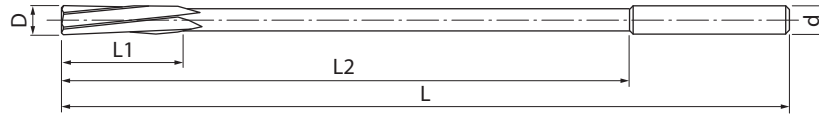
D	L1	L2	L	d
H7				h8
1,5	18	65	110	1,5
2	18	65	110	2
2,5	20	65	120	2,5
3	20	65	120	3
3,5	30	90	150	3,5
4	30	90	150	4
4,5	35	115	180	4
5	35	115	180	5

D	L1	L2	L	d
H7				h8
5,5	40	130	200	5
6	40	130	200	6
6,5	45	130	200	6
7	45	130	200	7
7,5	45	130	200	7
8	45	130	200	8
8,5	50	145	220	8
9	50	145	220	9

D	L1	L2	L	d
H7				h8
9,5	50	145	220	9
10	50	145	220	10
10,5	55	170	250	10
11	55	170	250	11
11,5	55	170	250	11
12	55	170	250	12

**HCA**

Maschinenreibahl Progression Hundertsteln extra lang mit Zylinderschaft
 Alesatore a macchina progressione centesimale extra lungo codolo cilindrico
 Machine reamer progression centesimal extra long with cylindrical shank

RK
NORMHM
K406°-LH
HELIX

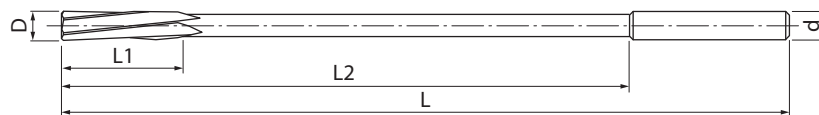
D	L1	L2	L	d
H7				h8
2,1-2,3	18	65	110	2
2,4	20	65	120	2,3
2,6-2,7	20	65	120	2,5
2,8-3,1	20	65	120	3
3,2-3,3	30	90	150	3
3,4-3,8	30	90	150	3,5
3,9-4,2	30	90	150	4
4,3-4,8	35	115	180	4,5

D	L1	L2	L	d
H7				h8
4,9-5,1	35	115	180	5
5,2-5,9	40	130	200	5
6,1	40	130	200	6
6,2-6,9	45	130	200	6
7,1	45	130	200	7
7,2-7,9	45	130	200	7
8,1	45	130	200	8
8,2-8,9	50	145	220	8

D	L1	L2	L	d
H7				h8
9,1	50	145	220	9
9,2-9,9	50	145	220	9
10,1-10,2	50	145	220	10
10,3-10,7	55	170	250	10
10,8-11,2	55	170	250	11
11,3-11,7	55	170	250	11
11,8-12,2	55	170	250	12

**HCB**

Maschinenreibahl Progression Hundertsteln extra lang mit Zylinderschaft
 Alesatore a macchina progressione centesimale extra lungo codolo cilindrico
 Machine reamer progression centesimal extra long with cylindrical shank

RK
NORMHM
K406°-LH
HELIX

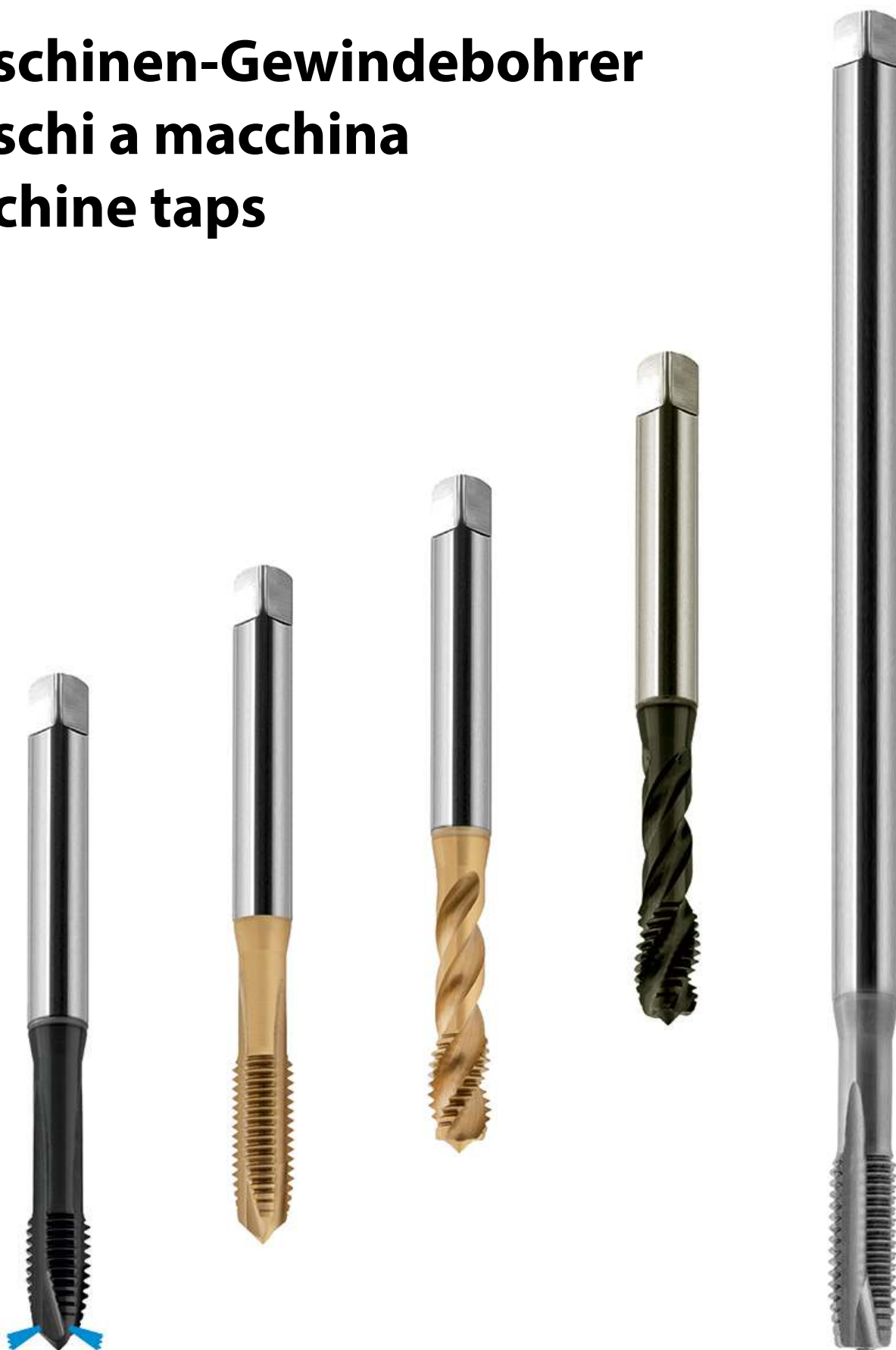
D	L1	L2	L	d
0/+0,004				h8
2,00-2,31	18	65	110	2
2,32-2,41	20	65	120	2,3
2,42-2,71	20	65	120	2,5
2,72-3,11	20	65	120	3
3,12-3,31	30	90	150	3
3,32-3,81	30	90	150	3,5
3,82-4,24	30	90	150	4
4,25-4,91	35	115	180	4

D	L1	L2	L	d
0/+0,004				h8
4,92-5,11	35	115	180	5
5,12-5,91	40	130	200	5
5,92-6,11	40	130	200	6
6,12-6,91	45	130	200	6
6,92-7,11	45	130	200	7
7,12-7,91	45	130	200	7
7,92-8,11	45	130	200	8
8,12-8,91	50	145	220	8

D	L1	L2	L	d
0/+0,004				h8
8,92-9,11	50	145	220	9
9,12-9,91	50	145	220	9
9,92-10,20	50	145	220	10
10,21-10,80	55	170	250	10
10,81-11,20	55	170	250	11
11,21-11,80	55	170	250	11
11,81-12,20	55	170	250	12



Maschinen-Gewindebohrer
Maschi a macchina
Machine taps



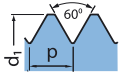




HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



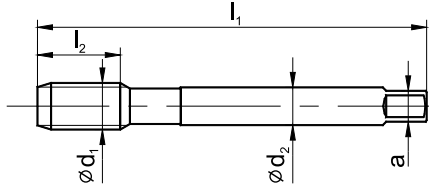
Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



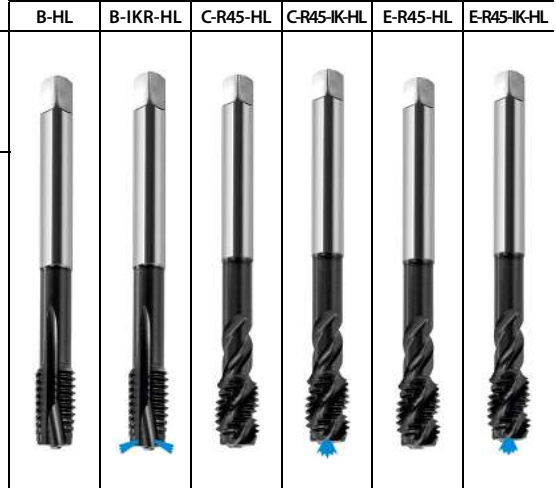
HSSE
PM

HL

DIN
376



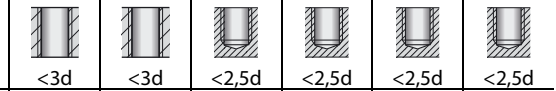
ASPTAP



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

HL HL HL HL HL HL

Anschnitt / Imbocco / Chamfer

B / 4-5P B / 4-5P C / 2-3P C / 2-3P E / 1,5-2P E / 1,5-2P

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm Tol.	DIN 376						
									INDEX						
									6HX	6HX	6HX	6HX	6HX	6HX	
M8	1,25	90	15	-	6	4,9	6,8	0080	○	⊗	○	⊗	⊗	⊗	⊗
M10	1,5	100	17	-	7	5,5	8,5	0100	○	⊗	○	⊗	⊗	⊗	⊗
M12	1,75	110	18	-	9	7	10,2	0120	○	○	○	○	○	○	⊗
M14	2	110	20	-	11	9	12	0140	○	○	○	○	○	○	⊗
M16	2	110	20	-	12	9	14	0160	○	○	○	○	○	○	⊗
M18	2,5	125	25	-	14	11	15,5	0180	○	⊗	○	⊗	⊗	⊗	⊗
M20	2,5	140	25	-	16	12	17,5	0200	○	⊗	○	⊗	⊗	⊗	⊗
M22	2,5	140	25	-	18	14,5	19,5	0220	○	⊗	○	⊗	⊗	⊗	⊗
M24	3	160	30	-	18	14,5	21	0240	○	⊗	○	⊗	⊗	⊗	⊗
M27	3	160	30	-	20	16	24	0270	○	⊗	○	⊗	⊗	⊗	⊗
M30	3,5	180	35	-	22	18	26,5	0300	○	⊗	○	⊗	⊗	⊗	⊗
M33	3,5	180	35	-	25	20	29,5	0330	○	⊗	○	⊗	⊗	⊗	⊗
M36	4	200	40	-	28	22	32	0360	○	⊗	○	⊗	⊗	⊗	⊗

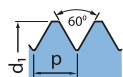
ISO	Vc (m/min)					
P	5-40	5-50	5-40	5-50	5-40	5-50
M	5-15	5-25	5-15	5-25	5-15	5-25
K	10-30	10-50	10-30	10-50	10-30	10-50
N	10-30	10-50	10-30	10-50	10-30	10-50
S	1-8	1-8	1-8	1-8	1-8	1-8

Esempio di un ordine : RKD4-118M01-0120 = ASP TAP M12-6H DIN-376 B HSSE-PM HL

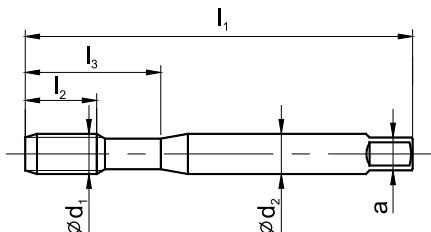
⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE **TN2** **DIN 371**



Materialgruppen / Gruppi di materiali / Material groups	P M K N	P M K N	P M K N
Lochtyp / Tipo di foro / Hole type			
	<1,5d	<3d	<2,5d
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating	TN2	TN2	TN2
Anschnitt / Imbocco / Chamfer	C/2-3P	B/4-5P	C/2-3P

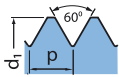
M Ø d ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm ToI.	DIN 371		
										ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
										INDEX	RKC2-123X01	RKC2-113X01
M3	0,50	56	10	5	18	3,5	2,7	2,50	0030	☉	☉	☉
M3,5	0,60	56	12	6	20	4,0	3,0	2,90	0035	☉	☉	☉
M4	0,70	63	12	7	21	4,5	3,4	3,30	0040	☉	☉	☉
M5	0,80	70	14	8	25	6,0	4,9	4,20	0050	☉	☉	☉
M6	1,00	80	18	10	30	6,0	4,9	5,00	0060	☉	☉	☉
M7	1,00	80	18	10	30	7,0	5,5	6,00	0070	☉	☉	☉
M8	1,25	90	20	13	35	8,0	6,2	6,80	0080	☉	☉	☉
M9	1,25	90	20	13	35	9,0	7,0	7,80	0090	☉	☉	☉
M10	1,50	100	20	15	39	10,0	8,0	8,50	0100	☉	☉	☉

ISO	Vc (m/min)		
P	5-35	5-35	5-35
M	5-15	5-25	5-15
K	5-25	5-25	10-25
N	10-30	10-50	10-30

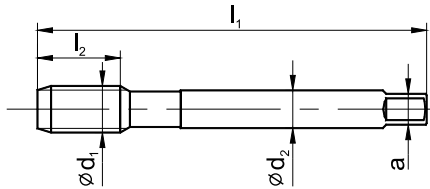
Esempio di un ordine : RKC2-123X01-0030 = Tap TOPX M3-6H DIN-371 C HSSE TN2

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE **TN2** **DIN 376**



TOP X

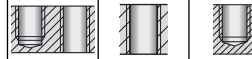
C-TN2 B-TN2 C-R40-TN2



Materialgruppen / Gruppi di materiali / Material groups

P M K **P M K** **P M K**
N **N** **N**

Lochtyp / Tipo di foro / Hole type



<1,5d <3d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

TN2 TN2 TN2

Anschnitt / Imbocco / Chamfer

C / 2-3P B / 4-5P C / 2-3P

M Ø d ₁	P	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol.	DIN 376		
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									INDEX	RKD2-123X01	RKD2-113X01
M3	0,50	56	11	5	2,2	1,8	2,50	0030	○	○	○
M4	0,70	63	12	8	2,8	2,1	3,30	0040	★	★	★
M5	0,80	70	14	10	3,5	2,7	4,20	0050	★	★	★
M6	1,00	80	18	12		3,4	5,00	0060	★	★	★
M8	1,25	90	20	15	6,0	4,9	6,80	0080	★	★	★
M10	1,50	100	20	17	7,0	5,5	8,50	0100	★	★	★
M12	1,75	110	24	18	9,0	7,0	10,20	0120	★	★	★
M14	2,00	110	25	20	11,0	9,0	12,00	0140	★	★	★
M16	2,00	110	32	20	12,0	9,0	14,00	0160	★	★	★
M18	2,50	125	32	25	14,0	11,0	15,50	0180	★	★	★
M20	2,50	140	32	-	16,0	12,0	17,50	0200	★	★	★
M22	2,50	140	32	25	18,0	14,5	19,50	0220	★	★	★
M24	3,00	160	38	30	18,0	14,5	21,00	0240	★	★	★
M27	3,00	160	38	30	20,0	16,0	24,00	0270	★	★	★
M30	3,50	180	40	35	22,0	18,0	26,50	0300	★	★	★
M33	3,50	180	45	35	25,0	20,0	29,50	0330	★	★	★
M36	4,00	200	50	40	28,0	22,0	32,00	0360	★	★	★
M39	4,00	200	55	40	32,0	24,0	35,00	0390	★	★	★
M42	4,50	200	60	45	32,0	24,0	37,50	0420	★	★	★
M45	4,50	220	60	45	36,0	29,0	40,50	0450	○	○	○
M48	5,00	250	65	50	36,0	29,0	43,00	0480	○	○	○
M52	5,00	250	65	50	40,0	32,0	47,00	0520	○	○	○

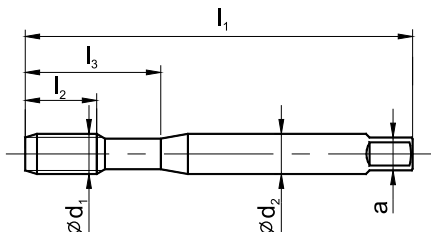
ISO	Vc (m/min)		
P	5-35	5-35	5-35
M	5-15	5-15	5-15
K	5-25	5-25	10-25
N	10-30	10-30	10-30

Esempio di un ordine : RKD2-123X01-0390 = Tap TOP X M39-6H DIN-376 C HSSE TN2

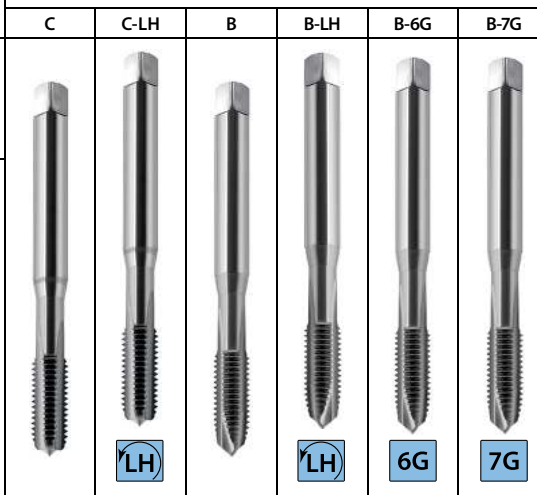
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



TOP



Materialgruppen / Gruppi di materiali / Material groups						
Lochtyp / Tipo di foro / Hole type						
	<1,5d	<1,5d	<3d	<3d	<3d	<3d
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating						
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P	B/4-5P	B/4-5P	B/4-5P	B/4-5P

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 371					
								ToI.	ISO2 (6H)		ISO2 (6H)			
								INDEX	RKC4-121101		RKC4-111101			
M1,6	0,35	40	8	13	2,5	2,1	1,25	0016	☼		☼			
M1,7	0,35	40	8	13	2,5	2,1	1,35	0017	☼		☼			
M1,8	0,35	40	8	13	2,5	2,1	1,45	0018	☼		☼			
M2	0,40	45	10	13	2,8	2,1	1,60	0020	☼		☼			
M2,2	0,45	45	10	13	2,8	2,1	1,75	0022	☼		☼			
M2,3	0,40	45	10	13	2,8	2,1	1,90	0023	☼		☼			
M2,5	0,45	50	9	14	2,8	2,1	2,05	0025	☼		☼			
M2,6	0,45	50	9	14	2,8	2,1	2,15	0026	☼		☼			

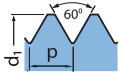
M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 371					
								ToI.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G
								INDEX	RKC2-121101	RKC2-221101	RKC2-111101	RKC2-211101	RKC2-111103	RKC2-111104
M3	0,50	56	10	18	3,5	2,7	2,50	0030	☼	☼	☼	☼	☼	○
M3,5	0,60	56	12	20	4,0	3,0	2,90	0035	☼	○	☼	○	○	○
M4	0,70	63	12	21	4,5	3,4	3,30	0040	☼	☼	☼	☼	☼	○
M5	0,80	70	14	25	6,0	4,9	4,20	0050	☼	☼	☼	☼	☼	○
M6	1,00	80	18	30	6,0	4,9	5,00	0060	☼	☼	☼	☼	☼	○
M7	1,00	80	18	30	7,0	5,5	6,00	0070	☼	○	☼	○	○	○
M8	1,25	90	20	35	8,0	6,2	6,80	0080	☼	☼	☼	☼	☼	○
M9	1,25	90	20	35	9,0	7,0	7,80	0090	☼	○	☼	○	○	○
M10	1,50	100	20	39	10,0	8,0	8,50	0100	☼	☼	☼	☼	☼	○

ISO	V _c (m/min)					
P	5-20	5-20	5-20	5-20	5-20	5-20
K	5-15	5-15	5-15	5-15	5-15	5-15
N	5-25	5-25	5-25	5-25	5-25	5-25

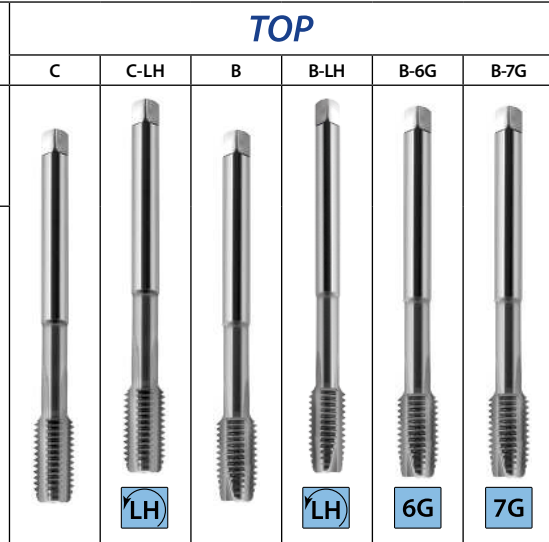
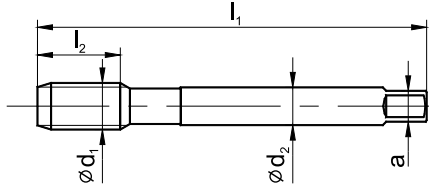
Esempio di un ordine : RKC4-121101-0100 = Tap 800 M10-6H DIN-371 C HSSE

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE **DIN 376**



Materialgruppen / Gruppi di materiali / Material groups						
Lochtyp / Tipo di foro / Hole type						
	<1,5d	<1,5d	<3d	<3d	<3d	<3d
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating						
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P	B/4-5P	B/4-5P	B/4-5P	B/4-5P

M Ø d ₁	P	l ₁	l ₂	R ₄₀	Ø d ₂	a		Norm Tol.	DIN 376					
									ISO2 (6H)		ISO2 (6H)		ISO3 (6G)	
									RKD2-121101	RKD2-221101	RKD2-111101	RKD2-211101	RKD2-111103	RKD2-111104
M3	0,50	56	11	-	2,2	1,8	2,50	0030	★	○	★	○	○	○
M4	0,70	63	12	-	2,8	2,1	3,30	0040	★	○	★	○	○	○
M5	0,80	70	14	-	3,5	2,7	4,20	0050	★	○	★	○	○	○
M6	1,00	80	18	-	4,5	3,4	5,00	0060	★	○	★	○	○	○
M8	1,25	90	20	-	6,0		6,80	0080	★	○	★	○	○	○
M10	1,50	100	20	-	7,0	5,5	8,50	0100	★	○	★	○	○	○
M12	1,75	110	24	-	9,0	7,0	10,20	0120	★	★	★	★	★	○
M14	2,00	110	25	-	11,0	9,0	12,00	0140	★	○	★	○	○	○
M16	2,00	110	32	-	12,0	9,0	14,00	0160	★	★	★	★	★	○
M18	2,50	125	32	-	14,0	11,0	15,50	0180	★	○	★	○	○	○
M20	2,50	140	32	-	16,0	12,0	17,50	0200	★	★	★	★	★	○
M22	2,50	140	32	-	18,0	14,5	19,50	0220	★	○	★	○	○	○
M24	3,00	160	38	-	18,0	14,5	21,00	0240	★	★	★	★	○	○
M27	3,00	160	38	-	20,0	16,0	24,00	0270	★	○	★	○	○	○
M30	3,50	180	40	-	22,0	18,0	26,50	0300	★	○	★	○	○	○
M33	3,50	180	45	-	25,0	20,0	29,50	0330	★	○	★	○	○	○
M36	4,00	200	50	-	28,0	22,0	32,00	0360	★	○	★	○	○	○
M39	4,00	200	55	-	32,0	24,0	35,00	0390	★	○	★	○	○	○
M42	4,50	200	60	-	32,0	24,0	37,50	0420	★	○	★	○	○	○
M45	4,50	220	60	-	36,0	29,0	40,50	0450	★	○	★	○	○	○
M48	5,00	250	65	-	36,0	29,0	43,00	0480	★	○	★	○	○	○
M52	5,00	250	65	-	40,0	32,0	47,00	0520	★	○	★	○	○	○

ISO	Vc (m/min)					
P	5-35	5-20	5-20	5-20	5-20	5-20
K	10-15	5-15	5-15	5-15	5-15	5-15
N	10-35	5-25	5-25	5-25	5-25	5-25

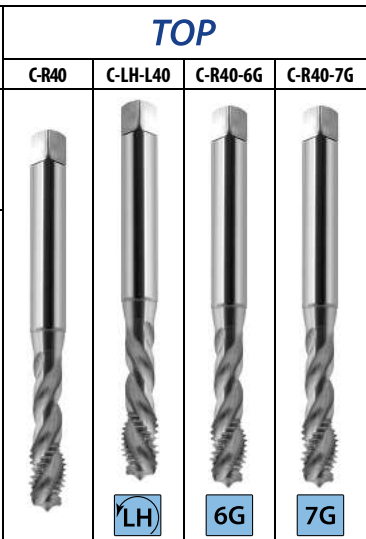
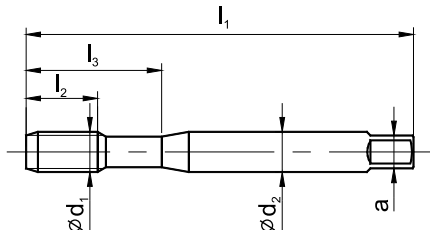
Esempio di un ordine : RKD2-221101-0120 = Tap TOP M12-6H DIN-376 C LH HSSE

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE **DIN 371**



Materialgruppen / Gruppi di materiali / Material groups				
Lochtyp / Tipo di foro / Hole type				
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating				
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P	C/2-3P	C/2-3P

M Ø d ₁	P	l ₁	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371				
								Tol.	ISO2 (6H)				
								INDEX	RKC4-511101				
M1,6	0,35	40	8	13	2,5	2,1	1,25	0016	⊗				
M1,7	0,35	40	8	13	2,5	2,1	1,35	0017	⊗				
M1,8	0,35	40	8	13	2,5	2,1	1,45	0018	⊗				
M2	0,40	45	10	13	2,8	2,1	1,60	0020	⊗				
M2,2	0,45	45	10	13	2,8	2,1	1,75	0022	⊗				
M2,3	0,40	45	10	13	2,8	2,1	1,9	0023	⊗				
M2,5	0,45	50	5	14	2,8	2,1	2,05	0025	⊗				
M2,6	0,45	50	5	14	2,8	2,1	2,15	0026	⊗				

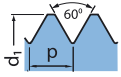
M Ø d ₁	P	l ₁	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371			
								Tol.	ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G
								INDEX	RKC2-511101	RKC2-591101	RKC2-511103	RKC2-511104
M3	0,50	56	5	18	3,5	2,7	2,50	0030	⊗	⊗	⊗	○
M3,5	0,60	56	6	20	4,0	3,0	2,90	0035	⊗	○	○	○
M4	0,70	63	7	21	4,5	3,4	3,30	0040	⊗	⊗	⊗	○
M5	0,80	70	8	25	6,0	4,9	4,20	0050	⊗	⊗	⊗	○
M6	1,00	80	10	30	6,0	4,9	5,00	0060	⊗	⊗	⊗	○
M7	1,00	80	10	30	7,0	5,5	6,00	0070	⊗	○	○	○
M8	1,25	90	13	35	8,0	6,2	6,80	0080	⊗	⊗	⊗	○
M9	1,25	90	13	35	9,0	7,0	7,80	0090	⊗	○	○	○
M10	1,50	100	15	39	10,0	8,0	8,50	0100	⊗	⊗	⊗	○

ISO	Vc (m/min)			
P	5-20	5-20	5-20	5-20
K	5-15	5-15	5-15	5-15
N	-25	5-25	5-25	5-25

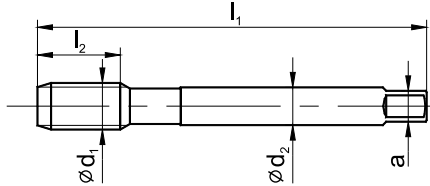
Esempio di un ordine : RKC4-511102-0016 = Tap TOP M1,6-6H DIN-371 C R40 HSSE

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE **DIN 376**



TOP

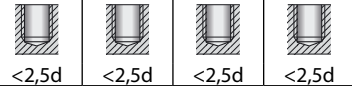
C-R40 C-LH-R40 C-R40-6G C-R40-7G



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C/2-3P C/2-3P C/2-3P C/2-3P

M Ø d ₁	P	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol.	DIN 376			
									INDEX			
									ISO2 (6H)	ISO2 (6H)	ISO3 (6G)	7G
									RKD2-511101	RKD2-591101	RKD2-511103	RKD2-511104
M3	0,50	56	-	5	2,2	1,8	2,50	0030	★	○	○	○
M4	0,70	63	-	8	2,8	2,1	3,30	0040	★	○	○	○
M5	0,80	70	-	10	3,5	2,7	4,20	0050	★	○	○	○
M6	1,00	80	-	12	4,5	3,4	5,00	0060	★	○	○	○
M8	1,25	90	-	15	6,0	4,9	6,80	0080	★	○	○	○
M10	1,50	100	-	17	7,0	5,5	8,50	0100	★	○	○	○
M12	1,75	110	-	18	9,0	7,0	10,20	0120	★	★	★	○
M14	2,00	110	-	20	11,0	9,0	12,00	0140	★	○	○	○
M16	2,00	110	-	20	12,0	9,0	14,00	0160	★	★	★	○
M18	2,50	125	-	25	14	11	15,5	0180	★	★	★	○
M20	2,50	140	-	25	16,0	12,0	17,50	0200	★	★	★	○
M22	2,50	140	-	25	18,0	14,5	19,50	0220	★	○	○	○
M24	3,00	160	-	30	18,0	14,5	21	0240	★	★	★	○
M27	3,00	160	-	30	20,0	16,0	24,00	0270	★	○	○	○
M30	3,50	180	-	35	22,0	18,0	26,50	0300	★	○	○	○
M33	3,50	180	-	35	25,0	20,0	29,50	0330	★	○	○	○
M36	4,00	200	-	40	28,0	22,0	32,00	0360	★	○	○	○
M39	4,00	200	-	40	32,0	24,0	35,00	0390	★	○	○	○
M42	4,50	200	-	45	32,0	24,0	37,50	0420	★	○	○	○
M45	4,50	220	-	45	36,0	29,0	40,50	0450	★	○	○	○
M48	5,00	250	-	50	36,0	29,0	43,00	0480	★	○	○	○
M52	5,00	250	-	50	40,0	32,0	47,00	0520	★	○	○	○

ISO	Vc (m/min)			
P	5-20	5-20	5-20	5-20
K	5-15	5-15	5-15	5-15
N	5-25	5-25	5-25	5-25

Esempio di un ordine : RKD2-511101-0030 = Tap TOP M3-6H DIN-376 C R40 HSSE

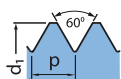
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

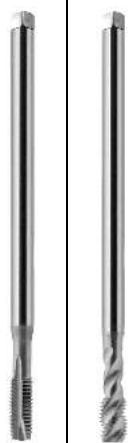
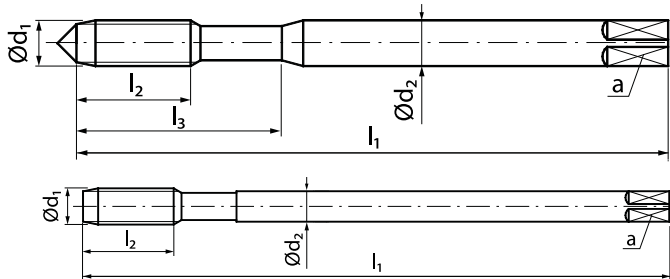
Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13

TOP

B C-R40



HSSE **DIN 371-EL** **DIN 376-EL**



Materialgruppen / Gruppi di materiali / Material groups	P K N	P K N
Lochtyp / Tipo di foro / Hole type		
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE
Beschichtung / Rivestimento / Coating		
Anschnitt / Imbocco / Chamfer	B / 4-5P	C / 2-3P

M Ø d ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm		
									DIN 371-EL		
									ToI.	ISO2 (6H)	ISO2 (6H)
									INDEX	RKC2-111121	RKC2-511121
M3	0,50	100	10	5	18	3,5	2,7	2,50	0030	⊗	⊗
M3,5	0,60	100	12	6	20	4,0	3,0	2,90	0035	○	○
M4	0,70	125	12	7	21	4,5	3,4	3,30	0040	⊗	⊗
M5	0,80	140	14	8	25	6,0	4,9	4,20	0050	⊗	⊗
M6	1,00	160	18	10	30	6,0	4,9	5,00	0060	⊗	⊗

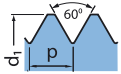
M Ø d ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm		
									DIN 376-EL		
									ToI.	ISO2 (6H)	ISO2 (6H)
									INDEX	RKD2-111121	RKD2-511121
M8	1,25	180	20	15	-	6,0	4,9	6,80	0080	⊗	⊗
M10	1,50	200	20	17	-	7,0	5,5	8,50	0100	⊗	⊗
M12	1,75	220	24	18	-	9,0	7,0	10,20	0120	⊗	⊗
M14	2,00	220	25	20	-	11,0	9,0	12,00	0140	○	○
M16	2,00	220	32	20	-	12,0	9,0	14,00	0160	⊗	⊗
M20	2,50	280	-	25	-	16	12	17,50	0200	○	○

ISO	Vc (m/min)	
P	5-20	5-20
K	5-15	5-15
N	5-25	5-25

Esempio di un ordine : RKC2 111121-0030 = Tap TOP M3-6H DIN-371 EL C HSSE

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

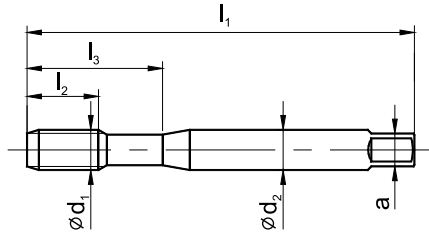
Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE

HL

DIN 371



INOX

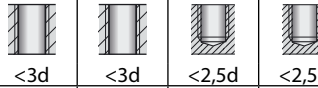
B B-HL C-R40 C-R40-HL



Materialgruppen / Gruppi di materiali / Material groups

M M M M

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

HL HL

Anschnitt / Imbocco / Chamfer

B/4-5P B/4-5P C/2-3P C/2-3P

M Ø d ₁	P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371			
									Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									INDEX	RKC2-111801	RKC2-118001	RKC2-511801	RKC2-518801
M3	0,50	56	10	5	18	3,5	2,7	2,50	0030	★	★	★	★
M4	0,70	63	12	7	21	4,5	3,4	3,30	0040	★	★	★	★
M5	0,80	70	14	8	25	6,0	4,9	4,20	0050	★	★	★	★
M6	1,00	80	18	10	30	6,0	4,9	5	0060	★	★	★	★
M8	1,25	90	20	13	35	8,0	6,2	6,80	0080	★	★	★	★
M10	1,50	100	20	15	39	10,0	8,0	8,50	0100	★	★	★	★

ISO	Vc (m/min)			
M	5-15	5-15	5-15	5-15

Esempio di un ordine : RKC2-111801-0080 = Tap INOX M8-6H DIN-371 B HSSE

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

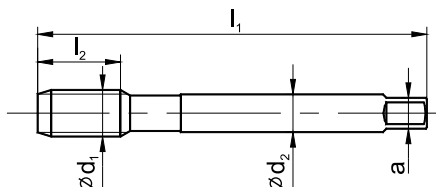
Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13



HSSE

HL

DIN 376



Materialgruppen / Gruppi di materiali / Material groups	M	M	M	M
Lochtyp / Tipo di foro / Hole type				
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating		HL		HL
Anschnitt / Imbocco / Chamfer	B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P

M Ø d ₁	P	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm ToI. INDEX	DIN 376			
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									RKD2-111801	RKD2-118801	RKD2-511801	RKD2-518801
M8	1,25	90	20	15	6,0	4,9	6,80	0080	☼	☼	☼	☼
M10	1,50	100	20	17	7,0	5,5	8,50	0100	☼	☼	☼	☼
M12	1,75	110	24	18	9,0	7,0	10,20	0120	☼	☼	☼	☼
M14	2,00	110	25	20	11,0	9,0	12,00	0140	☼	☼	☼	☼
M16	2,00	110	32	20	12,0	9,0	14,00	0160	☼	☼	☼	☼
M18	2,50	125	32	25	14,0	11,0	15,50	0180	☼	☼	☼	☼
M20	2,50	140	32	25	16,0	12,0	17,50	0200	☼	☼	☼	☼
M22	2,50	140	32	25	18,0	14,5	19,50	0220	☼	☼	☼	☼
M24	3,00	160	38	30	18,0	14,5	21,00	0240	☼	☼	☼	☼
M27	3,00	160	38	30	20,0	16,0	24,00	0270	☼	○	☼	○
M30	3,50	180	40	35	22,0	18,0	26,50	0300	☼	○	☼	○
M33	3,50	180	45	35	25,0	20,0	29,5	0330	☼	○	☼	○
M36	4,00	200	50	40	28,0	22,0	32,00	0360	☼	○	☼	○

ISO	Vc (m/min)			
M	5-15	5-15	5-15	5-15

Esempio di un ordine : RKD2-111801-0080 = Tap INOX M8-6H DIN-376 B HSSE

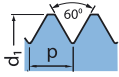
☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13

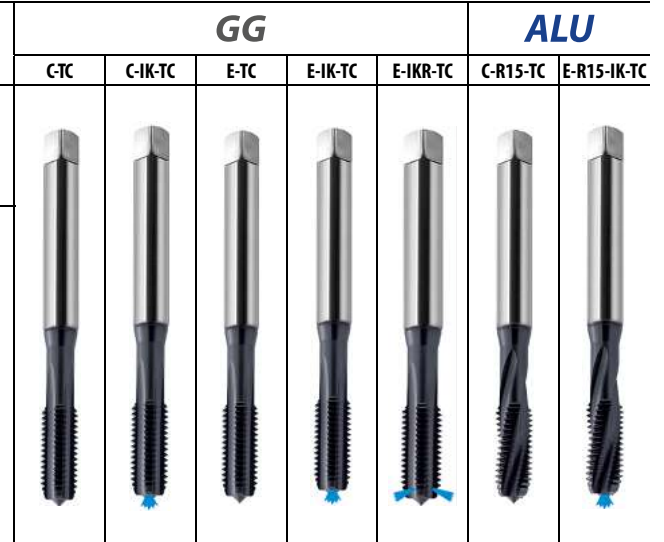
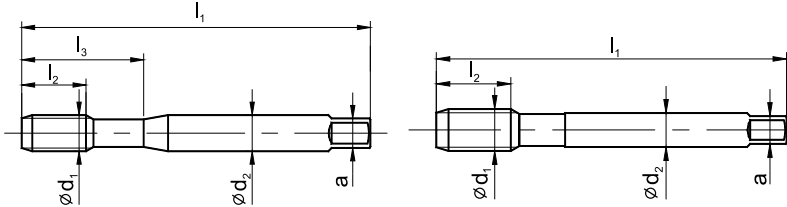


HSSE
PM

TC

DIN
371

DIN
376



Materialgruppen / Gruppi di materiali / Material groups

K	K	K	K	K	N	N
----------	----------	----------	----------	----------	----------	----------

Lochtyp / Tipo di foro / Hole type

<2d	<2,5d	<2d	<2,5d	<2,5d	<2,5d	<2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
---------	---------	---------	---------	---------	---------	---------

Beschichtung / Rivestimento / Coating

TC	TC	TC	TC	TC	TC	TC
----	----	----	----	----	----	----

Anschnitt / Imbocco / Chamfer

C/2-3P	C/2-3P	E/1,5-2P	E/1,5-2P	E/1,5-2P	C/2-3P	E/1,5-2P
--------	--------	----------	----------	----------	--------	----------

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 371								
								Norm	6HX						6HX	
								Tol.	RKC2-125501	RKC4-125551	RKC2-145501	RKC4-145501	RKC4-145561	RKC2-505601	RKC4-655651	
M3	0,50	56	10	18	3,5	2,7	2,50	0030	★		○			★		
M4	0,70	63	12	21	4,5	3,4	3,30	0040	★		★					
M5	0,80	70	14	25	6,0	3,9	4,20	0050	★	★	★	★	★	★	○	
M6	1,00	80	18	30	6,0	4,9	5,00	0060	★	★	★	★	★	★	○	
M7	1,00	80	18	30	7,0	5,5	6,00	0070	○	○	○	○	○	○	○	
M8	1,25	90	20	35	8,0	6,2	6,80	0080	★	★	★	★	★	★	○	
M9	1,25	90	20	35	9,0	7,0	7,8	0090	○	○	○	○	○	○	○	
M10	1,50	100	20	39	10,0	8,0	8,5	0100	★	★	★	★	★	★	○	

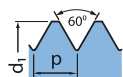
M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 376								
								Norm	6HX						6HX	
								Tol.	RKD2-125501	RKD4-125551	RKD2-145501	RKD4-145551	RKD4-145561	RKD2-505601	RKD4-655651	
M6	1,00	80	18	-	4,5	3,4	5,00	0060	★	○	★	○	○	★	○	
M8	1,25	90	20	-	6,0	4,9	6,80	0080	★	★	★	★	○	★	○	
M10	1,50	100	20	-	7,0	5,5	8,50	0100	★	★	★	★	○	★	○	
M12	1,75	110	24	-	9,0	7,0	10,20	0120	★	★	★	★	★	★	★	
M14	2,00	110	25	-	11,0	9,0	12,00	0140	★	○	○	○	○	★	○	
M16	2,00	110	32	-	12,0	9,0	14,00	0160	★	★	○	★	★	★	★	
M18	2,50	125	32	-	14,0	11,0	15,50	0180	★	○	○	○	○	★	○	
M20	2,50	140	32	-	16,0	12,0	17,50	0200	★	○	○	○	○	★	○	

ISO	Vc (m/min)					
K	1-60	5-60	1-60	5-60	5-60	
N						10-30 10-30

Esempio di un ordine : RKC2-125501-0030 = Tap GG M3-6HX DIN-371 C HSSE-PM TC

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13

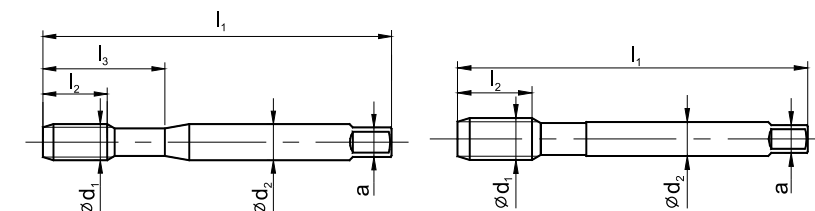


HSSE
PM

VHM

DIN
371

DIN
376



Materialgruppen / Gruppi di materiali / Material groups	H	H	H	H
Lochtyp / Tipo di foro / Hole type				
	<1,5d	<1,5d	<1,5d	<1,5d
Materialqualität / Qualità del materiale / Quality of material	VHM	VHM	VHM	VHM
Beschichtung / Rivestimento / Coating	TC	TC	TC	TC
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P	D/4-5P	D/4-5P

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 371			
								ToI.	6HX	6HX	6HX	6HX
								INDEX	RKC9-125F01	RKC9-125F51	RKC9-135F01	RKC9-135F51
M3	0,50	56	5	18	3,5	2,7	2,50	0030	☼		☼	
M4	0,70	63	7	21	4,5	3,4	3,30	0040	☼		☼	
M5	0,80	70	8	25	6,0	4,9	4,20	0050	☼		☼	
M6	1,00	80	10	30	6,0	4,9	5,00	0060	☼	☼	☼	☼
M8	1,25	90	13	35	8,0	6,2	6,80	0080	☼	☼	☼	☼
M10	1,50	100	15	39	10,0	8,0	8,50	0100	☼	☼	☼	☼

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 376			
								ToI.	6HX	6HX	6HX	6HX
								INDEX	RKD9-125F01	RKD9-125F51	RKD9-135F01	RKD9-135F51
M12	1,75	110	18	-	9,0	7,0	10,20	0120	☼	☼	☼	☼
M14	2,00	110	20	-	11,0	9,0	12,00	0140	☼	☼	☼	☼
M16	2,00	110	20	-	12,0	9,0	14,00	0160	☼	☼	☼	☼

ISO	Vc (m/min)			
H	1-4	1-4	1-4	1-4

Esempio di un ordine : RKC9-125F01-0030 = Tap HRC60 M3-6HX DIN-371 C VHM TC

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13 Filettatura metrica ISO passo grosso DIN 13 ISO Metric coarse thread DIN 13								NGMf									
								LH									
Materialgruppen / Gruppi di materiali / Material groups								<table border="1"> <tr> <td>P</td><td>K</td><td>P</td><td>K</td></tr> <tr> <td>N</td><td>N</td><td>N</td><td>N</td></tr> </table>		P	K	P	K	N	N	N	N
P	K	P	K														
N	N	N	N														
Lochtyp / Tipo di foro / Hole type								<table border="1"> <tr> <td></td><td></td></tr> <tr> <td><1,5d</td><td><1,5d</td></tr> </table>				<1,5d	<1,5d				
<1,5d	<1,5d																
Materialqualität / Qualità del materiale / Quality of material								HSS									
Beschichtung / Rivestimento / Coating																	
Anschnitt / Imbocco / Chamfer								12P									
M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	NGMf								
								Tol.	ISO2 (6H)	ISO2 (6H)							
								INDEX	RKF1-151001	RKF1-251001							
M3	0,5	70	10	-	2,2	1,8	2,50	0030	○	○							
M4	0,70	90	14	-	2,8	2,2	3,30	0040	⊛	⊛							
M5	0,80	110	16	-	3,5	2,8	4,20	0050	⊛	⊛							
M6	1,00	120	20	-	4,5	3,6	5,00	0060	⊛	⊛							
M7	1,00	120	20	-	5,6	4,5	6,00	0070	○	○							
M8	1,25	140	25	-	6,3	5,0	6,80	0080	⊛	⊛							
M10	1,50	160	30	-	8,0	6,3	8,50	0100	⊛	⊛							
M12	1,75	180	36	-	9,0	7,1	10,20	0120	⊛	⊛							
M14	2,00	180	40	-	10,0	8,0	12,00	0140	⊛	○							
M16	2,00	200	40	-	12,5	10,0	14,00	0160	⊛	⊛							
M18	2,50	200	50	-	14,0	11,2	15,50	0180	⊛	○							
M20	2,50	220	50	-	16,0	12,5	17,50	0200	⊛	⊛							
M22	2,50	220	50	-	18,0	14,0	19,50	0220	⊛	○							
M24	3,00	250	60	-	18,0	14,0	21,00	0240	⊛	⊛							
M27	3,00	250	60	-	20,0	16,0	24,00	0270	⊛	○							
M30	3,50	280	70	-	22,4	18,0	26,50	0300	⊛	⊛							
M33	3,50	280	70	-	25,0	20,0	29,50	0330	⊛	⊛							
M36	4,00	320	80	-	28,0	22,4	32,00	0360	⊛	⊛							

ISO	Vc (m/min)	
P	5-20	5-20
K	6-15	6-15
N	6-15	6-15

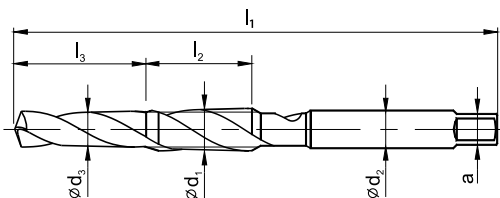
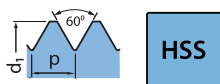
Esempio di un ordine : RKF1-151001-0040 = Tap M4-6H NGMf HSS

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13

KOMBI

D-R30



Materialgruppen / Gruppi di materiali / Material groups

P N

Lochtyp / Tipo di foro / Hole type



<1,5d

Materialqualität / Qualità del materiale / Quality of material

hss

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

D / 4P

M Ø d ₁	P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	KOMBI
								ToI.	ISO2 (6H)
								INDEX	RKG1-051001
M3	0,50	56	11	16	3	2,4	2,5	0030	☼
M4	0,70	63	14	18	4	3,0	3,3	0040	☼
M5	0,80	71	18	20	5	3,8	4,2	0050	☼
M6	1,00	80	22	22	6	4,9	5,0	0060	☼
M8	1,25	95	25	26	8	6,2	6,8	0080	☼
M 10	1,50	106	31	30	10	8,0	8,5	0100	☼
M 12	1,75	115	35	32	12	9,0	10,2	0120	☼

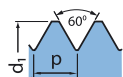
ISO	V _c
P	5-15
N	6-15

Esempio di un ordine : RKG1-051001-0030 = Tap M3-6H KOMBI D-R30 HSS

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

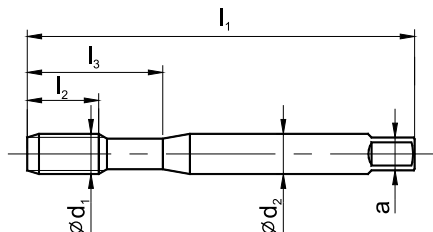
Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE
PM

HL

DIN
371



ASPTAP



Materialgruppen / Gruppi di materiali / Material groups						
Lochtyp / Tipo di foro / Hole type						
Materialqualität / Qualità del materiale / Quality of material	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
Beschichtung / Rivestimento / Coating	HL	HL	HL	HL	HL	HL
Anschnitt / Imbocco / Chamfer	B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P	C / 2-3P	C / 2-3P

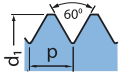
MF Ø d _x P	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 371						
							Norm	6HX					
							Tol.	RKC4-118M01	RKC4-118M61	RKC4-528M01	RKC4-528M51	RKC4-718M01	RKC4-718M51
M3x0,35	56	5	18	3,5	2,7	2,65	0031	⊗	-	⊗	-	○	-
M3,5x0,35	56	5	20	4	3	3,15	0036	⊗	-	⊗	-	○	-
M4x0,5	63	7	21	4,5	3,4	3,5	0041	⊗	-	⊗	-	○	-
M5x0,5	70	8	25	6	4,9	4,5	0051	⊗	○	⊗	○	○	○
M6x0,5	80	10	30	6	4,9	5,5	0061	⊗	○	⊗	○	○	○
M6x0,75	80	10	30	6	4,9	5,2	0062	⊗	○	⊗	○	○	○
M8x0,75	80	10	30	8	6,2	7,2	0082	⊗	○	⊗	○	○	○
M8x1	90	13	35	8	6,2	7	0083	⊗	⊗	⊗	⊗	⊗	⊗
M10x0,75	90	13	35	10	8	9,2	0102	⊗	○	⊗	○	○	○
M10x1	90	13	35	10	8	9	0103	⊗	⊗	⊗	⊗	⊗	⊗
M10x1,25	100	15	39	10	8	8,8	0104	⊗	○	⊗	○	○	○

ISO	Vc (m/min)					
P	5-40	5-50	5-40	5-50	5-40	5-50
M	5-15	5-25	5-15	5-25	5-15	5-25
K	10-30	10-50	10-30	10-50	10-30	10-50
N	10-30	10-50	10-30	10-50	10-30	10-50
S	1-8	1-8	1-8	1-8	1-8	1-8

Esempio di un ordine : RKC4-118M01-0041 = ASP TAP M4x0,5-6HX DIN 371 B HSSE PM-HL

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

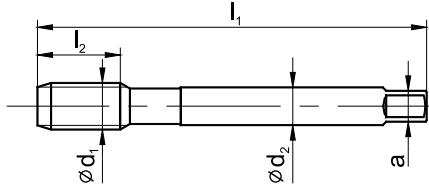
Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



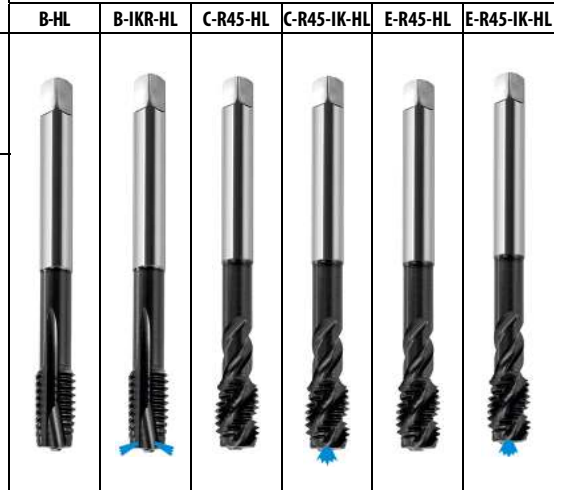
HSSE
PM

HL

DIN
374



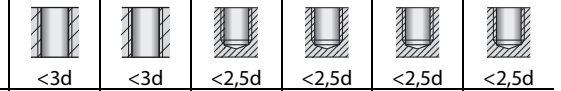
ASPTAP



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

HL HL HL HL HL HL

Anschnitt / Imbocco / Chamfer

B / 4-5P B / 4-5P C / 2-3P C / 2-3P C / 2-3P C / 2-3P

MF Ø d ₁ xP	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374					
								6HX	6HX	6HX	6HX	6HX	6HX
								RKD4- 118M01	RKD4- 118M61	RKD4- 528M01	RKD4- 528M51	RKD4- 718M01	RKD4- 718M51
M8x1	90	10	-	6	4,9	7	0083	★	★	★	★	★	○
M10x0,75	90	10	-	7	5,5	9,2	0102	○	○	○	○	○	○
M10x1	90	10	-	7	5,5	9	0103	★	★	★	★	★	○
M10x1,25	100	15	-	7	5,5	8,8	0104	○	○	○	○	○	○
M12x1	100	10	-	9	7	11	0123	★	○	★	○	○	○
M12x1,25	100	15	-	9	7	10,8	0124	★	○	★	○	○	○
M12x1,5	100	15	-	9	7	10,5	0125	★	★	★	★	★	○
M14x1	100	10	-	11	9	13	0143	○	○	○	○	○	○
M14x1,25	100	15	-	11	9	12,8	0144	○	○	○	○	○	○
M14x1,5	100	15	-	11	9	12,5	0145	★	★	★	★	★	○
M15x1	100	10	-	12	9	14	0153	○	○	○	○	○	○
M16x1	100	10	-	12	9	15	0163	○	○	○	○	○	○
M16x1,5	100	15	-	12	9	14,5	0165	★	★	★	★	★	○
M18x1	110	13	-	14	11	17	0183	○	○	○	○	○	○
M18x1,5	110	17	-	14	11	16,5	0185	★	○	★	○	○	○
M18x2	125	20	-	14	11	16	0186	○	○	○	○	○	○
M20x1	125	13	-	16	12	19	0203	○	○	○	○	○	○
M20x1,5	125	17	-	16	12	18,5	0205	★	○	★	○	○	○
M20x2	140	20	-	16	12	18	0206	○	○	○	○	○	○
M22x1	125	13	-	18	14,5	21	0223	○	○	○	○	○	○
M22x1,5	125	17	-	18	14,5	20,5	0225	★	○	★	○	○	○
M22x2	140	20	-	18	14,5	20	0226	○	○	○	○	○	○
M24x1	140	13	-	18	14,5	23	0243	○	○	○	○	○	○
M24x1,5	140	20	-	18	14,5	22,5	0245	★	○	★	○	○	○
M24x2	140	20	-	18	14,5	22	0246	○	○	○	○	○	○

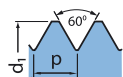
ISO	Vc (m/min)					
P	5-40	5-50	5-40	5-50	5-40	5-50
M	5-15	5-25	5-15	5-25	5-15	5-25
K	10-30	10-50	10-30	10-50	10-30	10-50
N	10-30	10-50	10-30	10-50	10-30	10-50
S	1-8	1-8	1-8	1-8	1-8	1-8

Esempio di un ordine : RKC4-118M01-0080 = ASP TAP M8x1-6HX DIN 374 B HSSE PM-HL

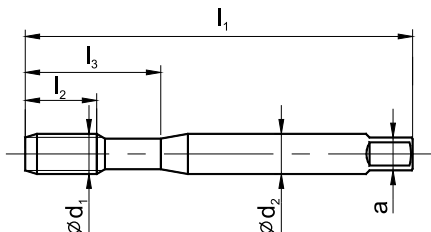
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE **TN2** **DIN 371**



Materialgruppen / Gruppi di materiali / Material groups	P M K N	P M K N	P M K N
Lochtyp / Tipo di foro / Hole type			
	<1,5d	<3d	<2,5d
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating	TN2	TN2	TN2
Anschnitt / Imbocco / Chamfer	C/2-3P	B/4-5P	C/2-3P

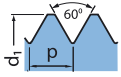
MF Ø d _x P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm ToI.	DIN 371		
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									RKC2-123X01	RKC2-113X01	RKC2-513X01
M4x0,5	63	12	7	21	4,5	3,4	3,5	0041	○	○	○
M5x0,5	70	14	8	25	6	4,9	4,5	0051	○	○	○
M6x0,75	80	14	10	30	6	4,9	5,2	0062	○	○	○
M8x0,75	80	18	10	30	8	6,2	7,2	0082	○	○	○
M8x1	90	20	13	35	8	6,2	7	0083	⊛	⊛	⊛
M10x0,75	90	20	13	35	10	8	9,2	0102	○	○	○
M10x1	90	20	13	35	10	8	9	0103	⊛	⊛	⊛
M10x1,25	100	20	15	39	10	8	8,8	0104	○	⊛	⊛

ISO	V _c (m/min)		
P	5-35	5-35	5-35
M	5-15	5-15	5-15
K	5-25	5-25	5-25
N	10-30	10-30	10-30

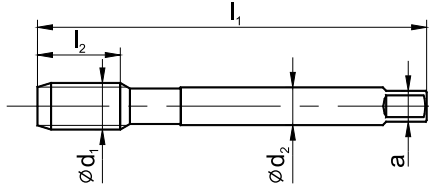
Esempio di un ordine : RKC2-123X01-0083 = TOPX TAP M8x1-6HX DIN 371 C HSSE TN2

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE **TN2** **DIN 374**



TOPX

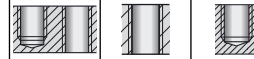
C-TN2 B-TN2 C-R40-TN2



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



<1,5d <3d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

TN2 TN2 TN2

Anschnitt / Imbocco / Chamfer

C/2-3P B/4-5P C/2-3P

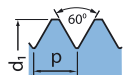
MF Ø d ₁ xP	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374		
								ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
								RKD2-123X01	RKD2-113X01	RKD2-513X01
M8x1	90	20	10	6	4,9	7	0083	☉	☉	☉
M9x1	90	20	10	7	5,5	8	0093	○	○	○
M10x0,75	90	18	10	7	5,5	9,2	0102	☉	☉	☉
M10x1	90	20	10	7	5,5	9	0103	☉	☉	☉
M10x1,25	100	20	15	7	5,5	8,8	0104	☉	☉	☉
M11x1	90	20	10	8	6,2	10	0113	○	○	○
M12x1	100	20	10	9	7	11	0123	☉	☉	☉
M12x1,25	100	20	15	9	7	10,8	0124	☉	☉	☉
M12x1,5	100	20	15	9	7	10,5	0125	☉	☉	☉
M14x1	100	20	10	11	9	13	0143	☉	☉	☉
M14x1,25	100	20	15	11	9	12,8	0144	☉	☉	☉
M14x1,5	100	20	15	11	9	12,5	0145	☉	☉	☉
M15x1	100	20	10	12	9	14	0153	○	○	○
M16x1	100	20	10	12	9	15	0163	☉	☉	☉
M16x1,5	100	20	15	12	9	14,5	0165	☉	☉	☉
M18x1	110	24	13	14	11	17	0183	○	○	○
M18x1,5	110	24	17	14	11	16,5	0185	☉	☉	☉
M18x2	125	27	20	14	11	16	0186	☉	☉	☉
M20x1	125	24	13	16	12	19	0203	○	○	○
M20x1,5	125	24	17	16	12	18,5	0205	☉	☉	☉
M20x2	140	27	20	16	12	18	0206	☉	☉	☉
M22x1	125	24	13	18	14,5	21	0223	○	○	○
M22x1,5	125	24	17	18	14,5	20,5	0225	☉	☉	☉
M22x2	140	27	20	18	14,5	20	0226	☉	☉	☉
M24x1	140	27	13	18	14,5	23	0243	○	○	○
M24x1,5	140	27	20	18	14,5	22,5	0245	☉	☉	☉
M24x2	140	27	20	18	14,5	22	0246	☉	☉	☉
M25x1,5	140	27	20	18	14,5	23,5	0253	○	○	○
M26x1,5	140	27	20	18	14,5	24,5	0265	○	○	○
M27x1,5	140	27	20	20	16	25,5	0275	☉	☉	☉
M27x2	140	27	20	20	16	25	0276	☉	☉	☉
M28x1,5	140	27	20	20	16	26,5	0285	○	○	○
M28x2	140	27	20	20	16	26	0286	○	○	○
M30x1,5	150	27	22	22	18	28,5	0305	☉	☉	☉
M30x2	150	27	22	22	18	28	0306	☉	☉	☉

Esempio di un ordine : RKD2-123X01-0083 = TOPX TAP M8x1-6H DIN 376 C HSSE TN2

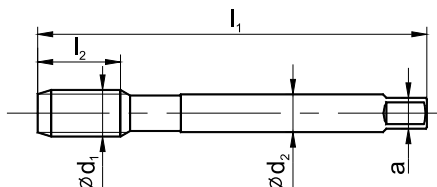
☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE **TN2** **DIN 374**



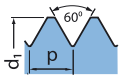
Materialgruppen / Gruppi di materiali / Material groups	P M K N	P M K N	P M K N
Lochtyp / Tipo di foro / Hole type			
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating	TN2	TN2	TN2
Anschnitt / Imbocco / Chamfer	C/2-3P	B/4-5P	C/2-3P

MF Ø d _x P	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374		
								ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
								RKD2-123X01	RKD2-113X01	RKD2-513X01
M32x1,5	150	27	22	22	18	30,5	0325	○	○	○
M32x2	150	27	22	22	18	30	0326	○	○	○
M33x1,5	160	30	22	25	20	31,5	0335	○	○	○
M33x2	160	30	24	25	20	31	0336	○	○	○
M34x1,5	170	30	22	28	22	32,5	0345	○	○	○
M35x1,5	170	30	22	28	22	33,5	0355	○	○	○
M36x1,5	170	30	22	28	22	34,5	0365	○	○	○
M36x2	170	30	24	28	22	34	0366	○	○	○
M36x3	200	50	30	28	22	33	0367	○	○	○
M38x1,5	170	30	24	28	22	36,5	0385	○	○	○
M39x1,5	170	30	25	32	24	37,5	0395	○	○	○
M39x2	170	30	25	32	24	37	0396	○	○	○
M39x3	200	50	30	32	24	36	0397	○	○	○
M40x1,5	170	30	25	32	24	38,5	0405	○	○	○
M40x2	170	30	25	32	24	38	0406	○	○	○
M42x1,5	170	30	25	32	24	40,5	0425	○	○	○
M42x2	170	30	25	32	24	40	0426	○	○	○
M42x3	200	50	30	32	24	39	0427	○	○	○
M45x1,5	180	30	27	36	29	43,5	0455	○	○	○
M45x2	180	30	27	36	29	43	0456	○	○	○
M45x3	200	50	30	36	29	42	0457	○	○	○
M48x1,5	190	30	27	36	29	46,5	0485	○	○	○
M48x2	190	30	27	36	29	46	0486	○	○	○
M48x3	225	50	33	36	29	45	0487	○	○	○
M50x1,5	190	30	27	36	29	48,5	0505	○	○	○
M50x2	190	30	33	36	29	48	0506	○	○	○
M52x1,5	190	32	27	40	32	50,5	0525	○	○	○
M52x2	190	32	33	40	32	50	0526	○	○	○
M52x3	225	50	33	40	32	49	0527	○	○	○
ISO	Vc (m/min)									
P	5-35	5-35	5-35							
M	5-15	5-15	5-15							
K	5-25	5-25	5-25							
N	10-30	10-30	10-30							

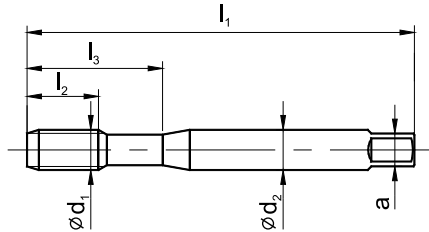
Esempio di un ordine : RKD2-123X01-0305 = TOPX TAP M30x1-6H DIN 374 C HSSE TN2

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE **DIN 371**



TOP

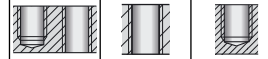
C B C-R40



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

TN2 TN2 TN2

Anschnitt / Imbocco / Chamfer

C / 2-3P B / 4-5P C / 2-3P

M Ø d ₁	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm Tol.	DIN 371		
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									INDEX	RKC2- 121101	RKC2- 111101
M3x0,35	56	10	5	18	3,5	2,7	2,65	0031	☼	☼	☼
M3,5x0,35	56	10	5	20	4	3	3,15	0036	☼	☼	☼
M4x0,5	63	12	7	21	4,5	3,4	3,5	0041	☼	☼	☼
M5x0,5	70	14	8	25	6	4,9	4,5	0051	☼	☼	☼
M6x0,75	80	14	10	30	6	4,9	5,2	0062	☼	☼	☼
M8x0,75	80	18	10	30	8	6,2	7,2	0082	☼	☼	☼
M8x1	90	20	13	35	8	6,2	7	0083	☼	☼	☼
M10x0,75	90	20	13	35	10	8	9,2	0102	☼	☼	☼
M10x1	90	20	13	35	10	8	9	0103	☼	☼	☼
M10x1,25	100	20	15	39	10	8	8,8	0104	☼	☼	☼

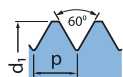
ISO	Vc (m/min)		
P	5-20	5-20	5-20
K	5-15	5-15	5-15
N	5-25	5-25	5-25

Esempio di un ordine : RKC2-121101-0080 = TOP TAP M4x0,5-6H DIN 371 C HSSE

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

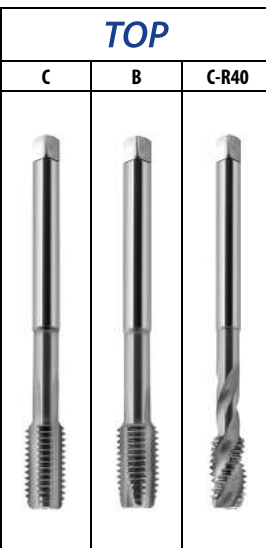
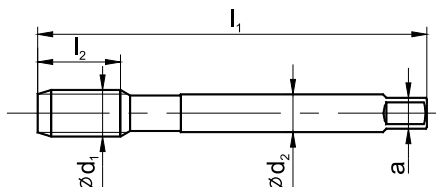
○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE

DIN 374



Materialgruppen / Gruppi di materiali / Material groups	P K N	P K N	P K N
Lochtyp / Tipo di foro / Hole type			
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating			
Anschnitt / Imbocco / Chamfer	C/2-3P	B/4-5P	C/2-3P

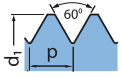
MF Ø d _x P	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374		
								ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
								RKD2-121101	RKD2-111101	RKD2-511101
M8x1	90	20	10	6	4,9	7	0083	☉	☉	☉
M9x1	90	20	10	7	5,5	8	0093	○	○	○
M10x0,75	90	18	10	7	5,5	9,2	0102	☉	☉	☉
M10x1	90	20	10	7	5,5	9	0103	☉	☉	☉
M10x1,25	100	20	15	7	5,5	8,8	0104	☉	☉	☉
M11x1	90	20	10	8	6,2	10	0113	○	○	○
M12x1	100	20	10	9	7	11	0123	☉	☉	☉
M12x1,25	100	20	15	9	7	10,8	0124	☉	☉	☉
M12x1,5	100	20	15	9	7	10,5	0125	☉	☉	☉
M14x1	100	20	10	11	9	13	0143	☉	☉	☉
M14x1,25	100	20	15	11	9	12,8	0144	☉	☉	☉
M14x1,5	100	20	15	11	9	12,5	0145	☉	☉	☉
M15x1	100	20	10	12	9	14	0153	○	○	○
M16x1	100	20	10	12	9	15	0163	☉	☉	☉
M16x1,5	100	20	15	12	9	14,5	0165	☉	☉	☉
M18x1	110	24	13	14	11	17	0183	○	○	○
M18x1,5	110	24	17	14	11	16,5	0185	☉	☉	☉
M18x2	125	27	20	14	11	16	0186	☉	☉	☉
M20x1	125	24	13	16	12	19	0203	○	○	○
M20x1,5	125	24	17	16	12	18,5	0205	☉	☉	☉
M20x2	140	27	20	16	12	18	0206	☉	☉	☉
M22x1	125	24	13	18	14,5	21	0223	○	○	○
M22x1,5	125	24	17	18	14,5	20,5	0225	☉	☉	☉
M22x2	140	27	20	18	14,5	20	0226	☉	☉	☉
M24x1	140	27	13	18	14,5	23	0243	○	○	○
M24x1,5	140	27	20	18	14,5	22,5	0245	☉	☉	☉
M24x2	140	27	20	18	14,5	22	0246	☉	☉	☉
M25x1,5	140	27	20	18	14,5	23,5	0255	○	○	○
M26x1,5	140	27	20	18	14,5	24,5	0265	○	○	○
M27x1,5	140	27	20	20	16	25,5	0275	☉	☉	☉
M27x2	140	27	20	20	16	25	0276	☉	☉	☉
M28x1,5	140	27	20	20	16	26,5	0285	○	○	○

ISO	Vc (m/min)		
	P	5-20	5-20
K	5-15	5-15	5-15
N	5-25	5-25	5-25

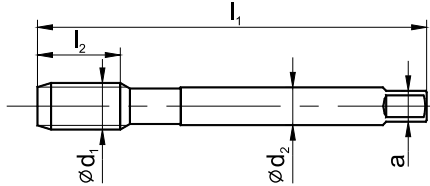
Esempio di un ordine : RKD2-121101-0083 = TOP TAP M8x1-6H DIN 374 C HSSE

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE **DIN 374**



TOP

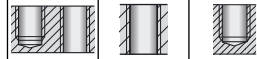
C B C-R40



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



<1,5d <3d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C / 2-3P B / 4-5P C / 2-3P

MF Ø d ₁ xP	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374		
								ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
								RKD2- 121101	RKD2- 111101	RKD2- 511101
M28x2	140	27	20	20	16	26	0286	○	○	○
M30x1,5	150	27	22	22	18	28,5	0305	★	★	★
M30x2	150	27	22	22	18	28	0306	★	★	★
M32x1,5	150	27	22	22	18	30,5	0325	○	○	○
M32x2	150	27	22	22	18	30	0326	○	○	○
M33x1,5	160	30	22	25	20	31,5	0335	★	★	★
M33x2	160	30	24	25	20	31	0336	★	★	★
M34x1,5	170	30	22	28	22	32,5	0345	○	○	○
M35x1,5	170	30	22	28	22	33,5	0355	○	○	○
M36x1,5	170	30	22	28	22	34,5	0365	★	★	★
M36x2	170	30	24	28	22	34	0366	★	★	★
M36x3	200	50	30	28	22	33	0367	○	○	○
M38x1,5	170	30	24	28	22	36,5	0385	○	○	○
M39x1,5	170	30	25	32	24	37,5	0395	○	○	○
M39x2	170	30	25	32	24	37	0396	○	○	○
M39x3	200	50	30	32	24	36	0397	○	○	○
M40x1,5	170	30	25	32	24	38,5	0405	○	○	○
M40x2	170	30	25	32	24	38	0406	○	○	○
M42x1,5	170	30	25	32	24	40,5	0425	○	○	○
M42x2	170	30	25	32	24	40	0426	○	○	○
M42x3	200	50	30	32	24	39	0427	○	○	○
M45x1,5	180	30	27	36	29	43,5	0455	○	○	○
M45x2	180	30	27	36	29	43	0456	○	○	○
M45x3	200	50	30	36	29	42	0457	○	○	○
M48x1,5	190	30	27	36	29	46,5	0485	○	○	○
M48x2	190	30	27	36	29	46	0486	○	○	○
M48x3	225	50	33	36	29	45	0487	○	○	○
M50x1,5	190	30	27	36	29	48,5	0505	○	○	○
M50x2	190	30	33	36	29	48	0506	○	○	○
M52x1,5	190	32	27	40	32	50,5	0525	○	○	○
M52x2	190	32	33	40	32	50	0526	○	○	○
M52x3	225	50	33	40	32	49	0527	○	○	○

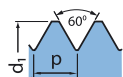
ISO	Vc (m/min)		
P	5-20	5-20	5-20
K	5-15	5-15	5-15
N	5-25	5-25	5-25

Esempio di un ordine : RKD2-121101-0286 = TOP TAP M28x2-6H DIN 374 C HSSE

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

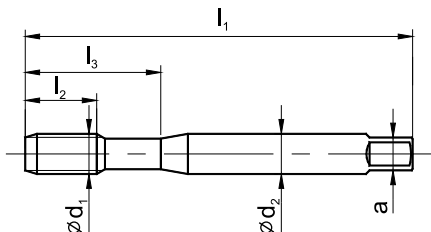
Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE

HL

DIN 371



INOX

B B-HL C-R40 C-R40-HL



Materialgruppen / Gruppi di materiali / Material groups	M	M	M	M
Lochtyp / Tipo di foro / Hole type				
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating		HL		HL
Anschnitt / Imbocco / Chamfer	B / 4-5P	B / 4-5P	C / 2-3P	C / 2-3P

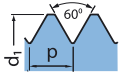
M Ø d ₁	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm ToI.	DIN 371			
									ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
									RKC2-111801	RKC2-118801	RKC2-511801	RKC2-518801
M4x0,5	63	12	7	21	4,5	3,4	3,5	0041	☼	☼	☼	☼
M5x0,5	70	14	8	25	6	4,9	4,5	0051	☼	☼	☼	☼
M6x0,75	80	14	10	30	6	4,9	5,2	0062	☼	☼	☼	☼
M8x0,75	80	18	10	30	8	6,2	7,2	0082	☼	☼	☼	☼
M8x1	90	20	13	35	8	6,2	7	0083	☼	☼	☼	☼
M10x0,75	90	20	13	35	10	8	9,2	0102	☼	☼	☼	☼
M10x1	90	20	13	35	10	8	9	0103	☼	☼	☼	☼
M10x1,25	100	20	15	39	10	8	8,8	0104	☼	☼	☼	☼

ISO	Vc (m/min)			
M	5-15	5-15	5-15	5-15

Esempio di un ordine : RKC2-111801-0041 = INOX TAP M4x0,5 DIN 371 B HSSE

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

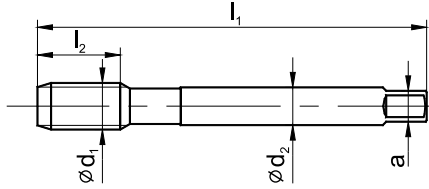
Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE

HL

DIN 374



INOX

B B-HL C-R40 C-R40-HL



Materialgruppen / Gruppi di materiali / Material groups

M M M M

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

HL HL

Anschnitt / Imbocco / Chamfer

B/4-5P B/4-5P C/2-3P C/2-3P

MF Ø d ₁ xP	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm Tol. INDEX	DIN 374			
								ISO2 (6H)			
								RKD2-111801	RKD2-118801	RKD2-511801	RKD2-518801
M8x1	90	20	10	6	4,9	7	0083	☉	○	☉	○
M10x0,75	90	18	10	7	5,5	9,2	0102	☉	○	☉	○
M10x1	90	20	10	7	5,5	9	0103	☉	☉	☉	☉
M10x1,25	100	20	15	7	5,5	8,8	0104	☉	○	☉	○
M12x1	100	20	10	9	7	11	0123	☉	○	☉	○
M12x1,25	100	20	15	9	7	10,8	0124	☉	○	☉	○
M12x1,5	100	20	15	9	7	10,5	0125	☉	☉	☉	☉
M14x1	100	20	10	11	9	13	0143	○	○	○	○
M14x1,25	100	20	15	11	9	12,8	0144	○	○	○	○
M14x1,5	100	20	15	11	9	12,5	0145	☉	○	☉	○
M15x1	100	20	10	12	9	14	0153	○	○	○	○
M16x1	100	20	10	12	9	15	0163	☉	○	☉	○
M16x1,5	100	20	15	12	9	14,5	0165	☉	☉	☉	☉
M18x1	110	24	13	14	11	17	0183	○	○	○	○
M18x1,5	110	24	17	14	11	16,5	0185	☉	○	☉	○
M20x1	125	24	13	16	12	19	0203	○	○	○	○
M20x1,5	125	24	17	16	12	18,5	0205	☉	☉	☉	☉
M22x1	125	24	13	18	14,5	21	0223	○	○	○	○
M22x1,5	125	24	17	18	14,5	20,5	0225	☉	○	☉	○
M24x1	140	27	13	18	14,5	23	0243	○	○	○	○
M24x1,5	140	27	20	18	14,5	22,5	0245	○	○	○	○
M26x1,5	140	27	20	18	14,5	24,5	0265	○	○	○	○
M27x1,5	140	27	20	20	16	25,5	0275	○	○	○	○
M28x1,5	140	27	20	20	16	26,5	0285	○	○	○	○
M30x1,5	150	27	22	22	18	28,5	0305	○	○	○	○
M32x1,5	150	27	22	22	18	30,5	0325	○	○	○	○
M33x1,5	160	30	22	25	20	31,5	0335	○	○	○	○
M34x1,5	170	30	22	28	22	32,5	0345	○	○	○	○
M35x1,5	170	30	22	28	22	33,5	0355	○	○	○	○
M36x1,5	170	30	22	28	22	34,5	0365	○	○	○	○

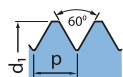
ISO	Vc (m/min)			
M	5-15	5-15	5-15	5-15

Esempio di un ordine : RKD2-11801-0083 = INOX TAP M8x1-6H DIN 374 B HSSE HL

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

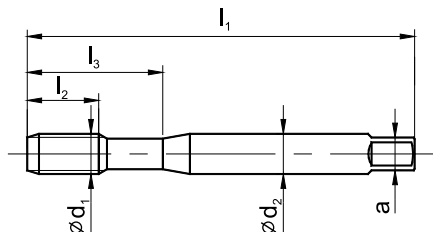
Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSSE
PM

TC

DIN
371



GG					ALU	
G-TC	G-IK-TC	E-TC	E-IK-TC	E-IKR-TC	C-R15-TC	E-R15-IK-TC

Materialgruppen / Gruppi di materiali / Material groups	K	K	K	K	K	N	N
Lochtyp / Tipo di foro / Hole type							
Materialqualität / Qualità del materiale / Quality of material	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM	HSSE-PM
Beschichtung / Rivestimento / Coating	TC	TC	TC	TC	TC	TC	TC
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P	E/1,5-2P	E/1,5-2P	E/1,5-2P	C/2-3P	E/1,5-2P

MF Ø d ₁ xP	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 371							
							Norm	6HX						6HX
							ToI.	RKC2-125501	RKC4-125551	RKC2-145501	RKC4-145551	RKC4-145561	RKC2-505601	RKC4-655601
M8x1	90	20	35	8	6,2	7	0083	⊗	○	⊗	○	○	⊗	○
M10x0,75	90	20	35	10	8	9,2	0102	○	○	○	○	○	○	○
M10x1	90	20	35	10	8	9	0103	⊗	○	⊗	○	○	⊗	○
M10x1,25	100	20	39	10	8	8,8	0104	○	○	⊗	○	○	⊗	○

ISO	Vc (m/min)						
K	1-60	1-60	1-60	1-60	1-60		
N						10-30	10-30

Esempio di un ordine : RKC2-125501-0083 = GG TAP M8x1-6HX DIN 371 C HSSE-PM TC

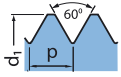
⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



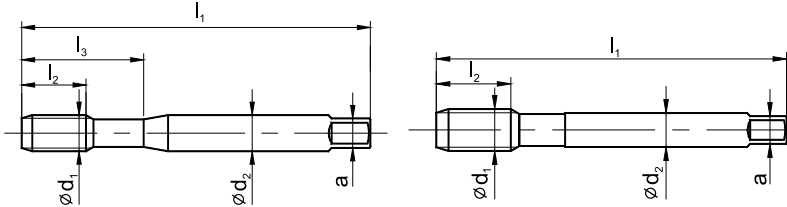
MASCHINENGEWINDEBOHRER FÜR ALLGEMEINE ANWENDUNGEN
MASCHI A MACCHINA DI USO GENERALE
GENERAL PURPOSE MACHINE TAPS



Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSS **DIN 2181**



Materialgruppen / Gruppi di materiali / Material groups

P

Lochtyp / Tipo di foro / Hole type



<1,5d
 HSS

Materialqualität / Qualità del materiale / Quality of material

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

3P

MF Ø d _x x P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm Tol.	281
							INDEX	ISO2 (6H)
M4x0,5	45	10	18	4,5	3,4	3,5	0041	○
M4,5x0,5	50	12	22	6	4,9	4	0046	○
M5x0,5	52	13	22	6	4,9	4,5	0051	○
M5,5x0,5	56	13	24	6	4,9	5	0056	○
M6x0,75	56	14	24	6	4,9	5,2	0062	★
M7x0,75	56	14	-	6	4,9	6,2	0072	○
M8x0,75	63	14	-	6	4,9	7,2	0082	★
M8x1	63	17	-	6	4,9	7	0083	★
M9x0,75	63	14	-	7	5,5	8,2	0092	○
M9x1	63	17	-	7	5,5	8	0093	○
M10x0,75	63	18	-	7	5,5	9,2	0102	○
M10x1	63	18	-	7	5,5	9	0103	★
M10x1,25	70	22	-	7	5,5	8,8	0104	★
M11x0,75	63	18	-	8	6,2	10,2	0112	○
M11x1	63	18	-	8	6,2	10	0113	○
M12x1	70	18	-	9	7	11	0123	★
M12x1,25	70	20	-	9	7	10,8	0124	★
M12x1,5	70	20	-	9	7	10,5	0125	★
M14x1	70	18	-	11	9	13	0143	○
M14x1,25	70	20	-	11	9	12,8	0144	★
M14x1,5	70	20	-	11	9	12,5	0145	★
M15x1	70	18	-	12	9	14	0153	○
M15x1,5	70	20	-	12	9	13,5	0155	○
M16x1	80	18	-	12	9	15	0163	○
M16x1,25	80	18	-	18	9	14,8	0164	○
M16x1,5	80	22	-	12	9	14,5	0165	★
M17x1	80	18	-	12	9	16	0173	○
M17x1,5	80	22	-	12	9	15,5	0175	○
M18x1	80	18	-	14	11	17	0183	○
M18x1,5	80	22	-	14	11	16,5	0185	★
M18x2	80	22	-	14	11	16	0186	○
M20x1	80	18	-	16	12	19	0203	○

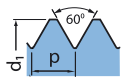
ISO	Vc
P	5-20

Esempio di un ordine : RKD2-15501-0103 = GG TAP M10x1-6HX DIN 374 C HSSE-PM TC

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

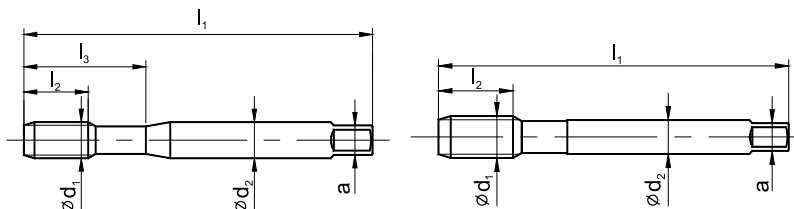
○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



HSS

DIN 2181



Materialgruppen / Gruppi di materiali / Material groups

P

Lochtyp / Tipo di foro / Hole type



<1,5d

Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

3P

MF ø d ₁ xP	l ₁	l ₂	l ₃	ø d ₂	a		Norm Tol.	2181
							INDEX	ISO2 (6H)
M20x1,5	80	22	-	16	12	18,5	0205	⊗
M20x2	80	22	-	16	12	18	0206	○
M22x1	80	18	-	18	14,5	21	0223	○
M22x1,5	80	22	-	18	14,5	20,5	0225	⊗
M22x2	80	22	-	18	14,5	20	0226	○
M24x1	90	18	-	18	14,5	23	0243	○
M24x1,5	90	22	-	18	14,5	22,5	0245	⊗
M24x2	90	22	-	18	14,5	22	0246	⊗
M25x1	90	18	-	18	14,5	24	0253	○
M25x1,5	90	22	-	18	14,5	23,5	0255	⊗
M25x2	90	22	-	18	14,5	23	0256	○
M26x1,5	90	22	-	18	14,5	24,5	0265	⊗
M27x1	90	20	-	20	16	26	0273	○
M27x1,5	90	22	-	20	16	25,5	0275	○
M27x2	90	22	-	20	16	25	0276	○
M28x1	90	20	-	20	16	27	0283	○
M28x1,5	90	22	-	20	16	26,5	0285	○
M28x2	90	22	-	20	16	26	0286	○
M30x1	90	22	-	22	18	29	0303	○
M30x1,5	90	22	-	22	18	28,5	0305	⊗
M30x2	90	22	-	22	18	28	0306	○
M30x3	125	36	-	22	18	27	0307	○
M32x1,5	90	22	-	22	18	30,5	0325	○
M32x2	90	22	-	22	18	30	0326	○
M33x1,5	100	25	-	25	20	31,5	0335	○
M33x2	100	25	-	25	20	31	0336	○
M33x3	125	36	-	25	20	30	0337	○
M35x1,5	100	25	-	28	22	33,5	0355	○
M36x1,5	100	25	-	28	22	34,5	0365	○
M36x2	125	36	-	28	22	34	0366	○
M36x3	125	36	-	28	22	33	0367	○
M38x1,5	100	25	-	28	22	36,5	0385	○

ISO

Vc

P

5-20

Esempio di un ordine : RKE1-131001-0062 = TAP M6x0,75-6H DIN 2181 HSS

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



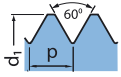
HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1

ASPTAP

B-HL C-R45-HL

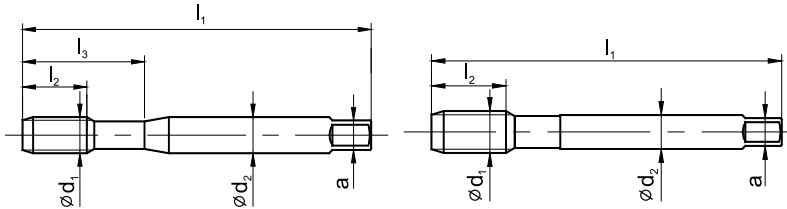


HSSE
PM

HL

DIN
371

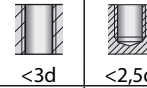
DIN
376



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

HL HL

Anschnitt / Imbocco / Chamfer

B/4-5P C/2-3P

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R45	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.	2BX	2BX
								INDEX	RKC4- 118M01	RKC4- 528M01
No2-56	45	10	10	13	2,8	2,1	1,85	4102	○	○
No4-40	56	5	5	18	3,5	2,7	2,35	4104	★	★
No5-40	56	7	7	18	3,5	2,7	2,65	4105	★	★
No6-32	56	6	6	20	4	3	2,85	4106	★	★
No8-32	63	7	7	21	4,5	3,4	3,5	4108	★	★
No10-24	70	8	8	25	6	4,9	3,9	4110	★	★
No12-24	80	10	10	30	6	4,9	4,5	4112	★	★
1/4-20	80	13	13	30	7	5,5	5,1	4127	★	★
5/16-18	90	13	13	35	8	6	6,6	4128	★	★
3/8-16	100	15	15	39	10	8	8	4129	★	★

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R45	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.	2BX	2BX
								INDEX	RKD4- 118M01	RKD4- 528M01
7/16-14	100	15	15	-	8	6,2	9,4	4130	★	★
1/2-13	110	18	18	-	9	7	10,8	4131	★	★
9/16-12	110	20	20	-	11	9	12,2	4132	★	★
5/8-11	110	22	22	-	12	9	13,5	4133	★	★

ISO	V _c (m/min)	
P	5-40	5-50
M	5-15	5-25
K	10-30	10-50
N	10-30	10-50
S	1-8	1-8

Esempio di un ordine : RKC4-118M01-104 = ASP TAP No5-40 UNC 2BX DIN-371 B HSSE-PM HL

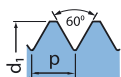
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1

TOPX

B-TN2 C-R40-TN2

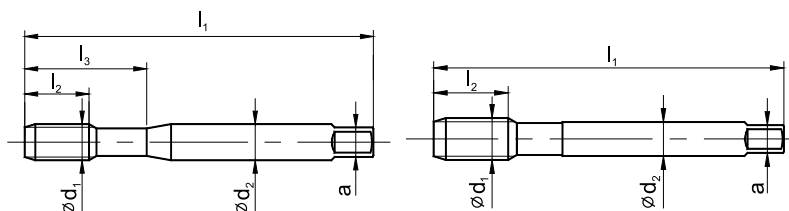


HSSE
PM

TN2

DIN
371

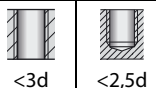
DIN
376



Materialgruppen / Gruppi di materiali / Material groups

P M K N

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE

Beschichtung / Rivestimento / Coating

TN2 TN2

Anschnitt / Imbocco / Chamfer

B / 4-5P C / 2-3P

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.	2B	2B
								INDEX	RKC2-113X01	RKC2-513X01
No2-56	45	10	10	13	2,8	2,1	1,85	4102	○	○
No4-40	56	10	5	18	3,5	2,7	2,35	4104	★	★
No5-40	56	10	7	18	3,5	2,7	2,65	4105	★	★
No6-32	56	12	6	20	4	3	2,85	4106	★	★
No8-32	63	12	7	21	4,5	3,4	3,5	4108	★	★
No10-24	70	14	8	25	6	4,9	3,9	4110	★	★
No12-24	80	18	10	30	6	4,9	4,5	4112	★	★
1/4-20	80	18	13	30	7	5,5	5,1	4127	★	★
5/16-18	90	20	13	35	8	6	6,6	4128	★	★
3/8-16	100	20	15	39	10	8	8	4129	★	★

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.	2B	2B
								INDEX	RKD2-113X01	RKD2-513X01
7/16-14	100	22	15	-	8	6,2	9,4	4130	★	★
1/2-13	110	24	18	-	9	7	10,8	4131	★	★
9/16-12	110	25	20	-	11	9	12,2	4132	★	★
5/8-11	110	32	22	-	12	9	13,5	4133	★	★
3/4-10	125	32	25	-	14	11	16,5	4135	★	★
7/8-9	140	32	30	-	18	14,5	19,5	4137	★	★
1-8	160	38	30	-	20	16	22,25	4139	★	★
1.1/8-7	180	40	40	-	22	18	25	4141	★	★
1.1/4-7	180	40	40	-	22	18	28	4143	○	○
1.3/8-6	200	50	40	-	28	22	30,75	4145	○	○
1.1/2-6	200	55	40	-	28	22	34	4147	○	○

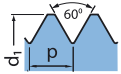
ISO	Vc (m/min)	
P	5-35	5-35
M	5-15	5-15
K	5-25	5-25
N	10-30	10-30

Esempio di un ordine : RKC2-113X01-105 = TOPX TAP No5-40 UNC 2B DIN-371 B HSSE TN2

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

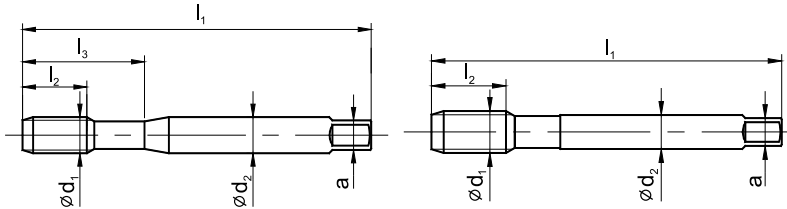
Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1



HSSE **DIN 371** **DIN 376**

TOP

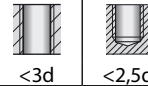
B **C-R40**



Materialgruppen / Gruppi di materiali / Material groups

P K N **P K N**

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

B / 4-5P C / 2-3P

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.	2B	2B
								INDEX	RKC2-111101	RKC2-511101
No2-56	45	10	10	13	2,8	2,1	1,85	4102	○	○
No4-40	56	10	5	18	3,5	2,7	2,35	4104	★	★
No5-40	56	10	7	18	3,5	2,7	2,65	4105	★	★
No6-32	56	12	6	20	4	3	2,85	4106	★	★
No8-32	63	12	7	21	4,5	3,4	3,5	4108	★	★
No10-24	70	14	8	25	6	4,9	3,9	4110	★	★
No12-24	80	18	10	30	6	4,9	4,5	4112	★	★
1/4-20	80	18	13	30	7	5,5	5,1	4127	★	★
5/16-18	90	20	13	35	8	6	6,6	4128	★	★
3/8-16	100	20	15	39	10	8	8	4129	★	★

UNC Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.	2B	2B
								INDEX	RKD2-111101	RKD2-511101
7/16-14	100	22	15	-	8	6,2	9,4	4130	★	★
1/2-13	110	24	18	-	9	7	10,8	4131	★	★
9/16-12	110	25	20	-	11	9	12,2	4132	★	★
5/8-11	110	32	22	-	12	9	13,5	4133	★	★
3/4-10	125	32	25	-	14	11	16,5	4135	★	★
7/8-9	140	32	30	-	18	14,5	19,5	4137	★	★
1-8	160	38	30	-	20	16	22,25	4139	★	★
1.1/8-7	180	40	40	-	22	18	25	4141	★	★
1.1/4-7	180	40	40	-	22	18	28	4143	★	★
1.3/8-6	200	50	40	-	28	22	30,75	4145	★	★
1.1/2-6	200	55	40	-	28	22	34	4147	★	★

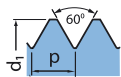
ISO	Vc (m/min)	
P	5-20	5-20
K	5-15	5-15
N	5-25	5-25

Esempio di un ordine : RKC2-111101-4106 = TOP TAP No5-40 UNC 2B DIN-371 HSSE

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

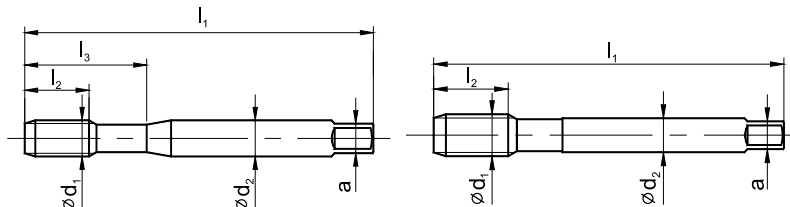
○ = auf Anfrage - A richiesta - On request

Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1



HSS

DIN 352



Materialgruppen / Gruppi di materiali / Material groups **P**

Lochtyp / Tipo di foro / Hole type

<2,5d

Materialqualität / Qualità del materiale / Quality of material HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer C / 2-3P

UNC Ø d _{1-P}	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352
							Tol.	2B
							INDEX	RKE1-131001
No4-40	40	10	18	3,5	2,7	2,35	4104	○
No5-40	42	10	18	3,5	2,7	2,65	4105	○
No6-32	45	11	18	4	3	2,85	4106	⊗
No8-32	48	12	23	4,5	3,4	3,5	4108	○
No10-24	52	14	26	6	4,9	3,9	4110	○
No12-24	56	16	27	6	4,9	4,5	4112	○
1/4-20	56	16	27	6	4,9	5,2	4127	⊗
5/16-18	63	20	-	6	4,9	6,6	4128	⊗
3/8-16	70	22	-	7	5,5	8	4129	⊗
7/16-14	70	22	-	8	6,2	9,4	4130	○
1/2-13	80	25	-	9	7	10,8	4131	⊗
9/16-12	80	26	-	11	9	12,2	4132	○
5/8-11	80	27	-	12	9	13,5	4133	⊗
3/4-10	95	30	-	14	11	16,5	4135	⊗
7/8-9	100	32	-	18	14,5	19,5	4137	○
1-8	110	36	-	18	14,5	22,25	4139	○
1.1/8-7	125	40	-	22	18	25	4141	○
1.1/4-7	125	40	-	22	18	28	4143	○
1.3/8-6	150	50	-	28	22	30,75	4145	○
1.1/2-6	150	50	-	28	22	34	4147	○
1.3/4-5	160	58	-	36	29	39,5	4151	○
2-4.1/2	180	65	-	40	32	45	4155	○

ISO	Vc
P	5-20

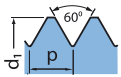
Esempio di un ordine : RKE1-131001-4106 = TAP No6-32 UNC 2B DIN-352 HSS

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Unified-Finegewinde ASME B1.1
 Filettatura unificata passo fine ASME B1.1
 Unified fine thread ASME B1.1

ASPTAP

B-HL C-R45-HL

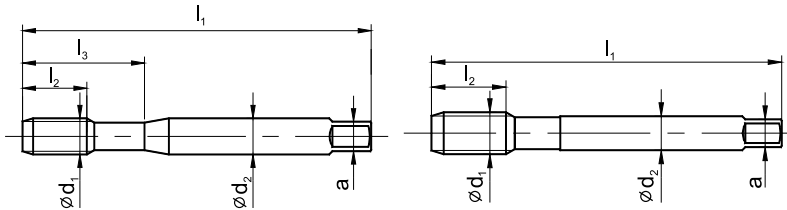


HSSE
PM

HL

DIN
371

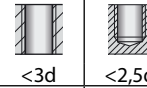
DIN
376



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

HL HL

Anschnitt / Imbocco / Chamfer

B/4-5P C/2-3P

UNF Ø d ₁ -P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 371	
							Tol.	2BX	2BX
							INDEX	RKC4-118M01	RKC4-528M01
No4-48	56	5	18	3,5	2,7	2,4	4204	★	★
No5-44	56	7	18	3,5	2,7	2,7	4205	★	★
No6-40	56	6	20	4	3	2,95	4206	★	★
No8-36	63	7	21	4,5	3,4	3,5	4208	★	★
No10-32	70	8	25	6	4,9	4,1	4210	★	★
No12-28	80	10	30	6	4,9	4,6	4212	★	★
1/4-28	80	10	30	7	5,5	5,5	4227	★	★
5/16-24	90	13	35	8	6	6,9	4228	★	★
3/8-24	100	15	39	10	8	8,5	4229	★	★

UNF Ø d ₁ -P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 374	
							Tol.	2BX	2BX
							INDEX	RKD4-118M01	RKD4-528M01
7/16-20	100	15	-	8	6,2	9,9	4230	★	★
1/2-20	100	15	-	9	7	11,5	4231	★	★
9/16-18	100	15	-	11	9	12,9	4232	★	★
5/8-18	100	15	-	12	9	14,5	4233	★	★

ISO	V _c (m/min)	
P	5-40	5-50
M	5-15	5-25
K	10-30	10-50
N	10-30	10-50
S	1-8	1-8

Esempio di un ordine : RKC4-118M01-4210 = ASP TAP No10-32 UNF 2BX DIN 371 B HSSE-PM HL

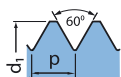
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1

TOPX

B-TN2 C-R40-TN2

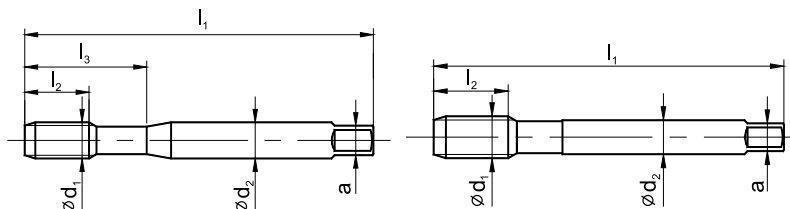


HSSE
PM

TN2

DIN
371

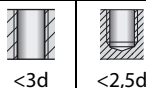
DIN
376



Materialgruppen / Gruppi di materiali / Material groups

P M K N

Lochtyp / Tipo di foro / Hole type



<3d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE

Beschichtung / Rivestimento / Coating

TN2 TN2

Anschnitt / Imbocco / Chamfer

B / 4-5P C / 2-3P

UNF Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.	2B	2B
								INDEX	RKC2-113X01	RKC2-513X01
No2-56	45	10	10	13	2,8	2,1	1,85	4102	○	○
No4-40	56	10	5	18	3,5	2,7	2,35	4104	★	★
No5-40	56	10	7	18	3,5	2,7	2,65	4105	★	★
No6-32	56	12	6	20	4	3	2,85	4106	★	★
No8-32	63	12	7	21	4,5	3,4	3,5	4108	★	★
No10-24	70	14	8	25	6	4,9	3,9	4110	★	★
No12-24	80	18	10	30	6	4,9	4,5	4112	★	★
1/4-20	80	18	13	30	7	5,5	5,1	4127	★	★
5/16-18	90	20	13	35	8	6	6,6	4128	★	★
3/8-16	100	20	15	39	10	8	8	4129	★	★

UNF Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.	2B	2B
								INDEX	RKD2-113X01	RKD2-513X01
7/16-14	100	22	15	-	8	6,2	9,4	4130	★	★
1/2-13	110	24	18	-	9	7	10,8	4131	★	★
9/16-12	110	25	20	-	11	9	12,2	4132	★	★
5/8-11	110	32	22	-	12	9	13,5	4133	★	★
3/4-10	125	32	25	-	14	11	16,5	4135	★	★
7/8-9	140	32	30	-	18	14,5	19,5	4137	★	★
1-8	160	38	30	-	20	16	22,25	4139	★	★
1.1/8-7	180	40	40	-	22	18	25	4141	★	★
1.1/4-7	180	40	40	-	22	18	28	4143	○	○
1.3/8-6	200	50	40	-	28	22	30,75	4145	○	○
1.1/2-6	200	55	40	-	28	22	34	4147	○	○

ISO	Vc (m/min)	
P	5-35	5-35
M	5-15	5-15
K	5-25	5-25
N	10-30	10-30

Esempio di un ordine : RKC2-113X01-4208 = TOPX TAP No8-36 UNF 2B DIN-371 B HSSE TN2

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

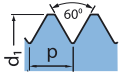
○ = auf Anfrage - A richiesta - On request



HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



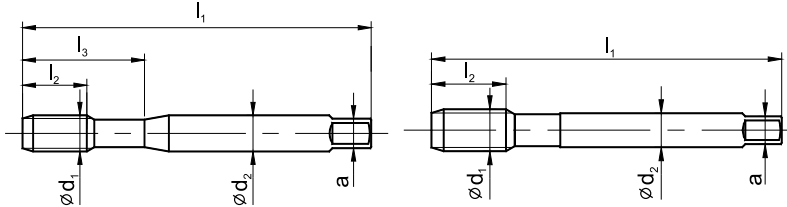
Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1



HSSE **DIN 371** **DIN 374**

TOP

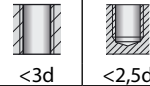
B **C-R40**



Materialgruppen / Gruppi di materiali / Material groups

P K N **P K N**

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

B / 4-5P C / 2-3P

UNF Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.	2B	2B
								INDEX	RKC2-111101	RKC2-511101
No2-56	45	10	10	13	2,8	2,1	1,85	4102	○	○
No4-40	56	10	5	18	3,5	2,7	2,35	4104	★	★
No5-40	56	10	7	18	3,5	2,7	2,65	4105	★	★
No6-32	56	12	6	20	4	3	2,85	4106	★	★
No8-32	63	12	7	21	4,5	3,4	3,5	4108	★	★
No10-24	70	14	8	25	6	4,9	3,9	4110	★	★
No12-24	80	18	10	30	6	4,9	4,5	4112	★	★
1/4-20	80	18	13	30	7	5,5	5,1	4127	★	★
5/16-18	90	20	13	35	8	6	6,6	4128	★	★
3/8-16	100	20	15	39	10	8	8	4129	★	★

UNF Ø d ₁ -P	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.	2B	2B
								INDEX	RKD2-111101	RKD2-511101
7/16-14	100	22	15	-	8	6,2	9,4	4130	★	★
1/2-13	110	24	18	-	9	7	10,8	4131	★	★
9/16-12	110	25	20	-	11	9	12,2	4132	★	★
5/8-11	110	32	22	-	12	9	13,5	4133	★	★
3/4-10	125	32	25	-	14	11	16,5	4135	★	★
7/8-9	140	32	30	-	18	14,5	19,5	4137	★	★
1-8	160	38	30	-	20	16	22,25	4139	★	★
1.1/8-7	180	40	40	-	22	18	25	4141	★	★
1.1/4-7	180	40	40	-	22	18	28	4143	★	★
1.3/8-6	200	50	40	-	28	22	30,75	4145	★	★
1.1/2-6	200	55	40	-	28	22	34	4147	★	★

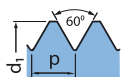
ISO	Vc (m/min)	
P	5-20	5-20
K	5-15	5-15
N	5-25	5-25

Esempio di un ordine : RKC2-111101-4210 = TOP TAP No10-32 UNF 2B DIN-371 B HSSE

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

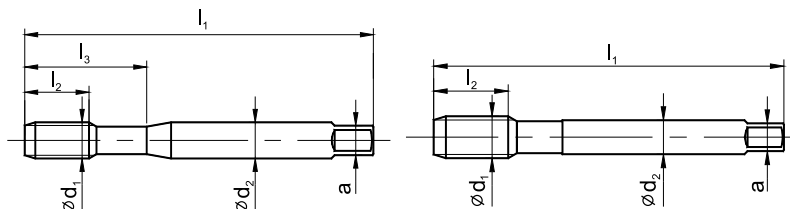
○ = auf Anfrage - A richiesta - On request

Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1



HSS

DIN 352



Materialgruppen / Gruppi di materiali / Material groups **P**

Lochtyp / Tipo di foro / Hole type

<2,5d

Materialqualität / Qualità del materiale / Quality of material HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer C / 2-3P

UNF Ø d _{1-P}	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352
							Tol.	2B
							INDEX	RKE1-131001
No4-40	40	10	18	3,5	2,7	2,35	4104	○
No5-40	42	10	18	3,5	2,7	2,65	4105	○
No6-32	45	11	18	4	3	2,85	4106	⊗
No8-32	48	12	23	4,5	3,4	3,5	4108	○
No10-24	52	14	26	6	4,9	3,9	4110	○
No12-24	56	16	27	6	4,9	4,5	4112	○
1/4-20	56	16	27	6	4,9	5,2	4127	⊗
5/16-18	63	20	-	6	4,9	6,6	4128	⊗
3/8-16	70	22	-	7	5,5	8	4129	⊗
7/16-14	70	22	-	8	6,2	9,4	4130	○
1/2-13	80	25	-	9	7	10,8	4131	⊗
9/16-12	80	26	-	11	9	12,2	4132	○
5/8-11	80	27	-	12	9	13,5	4133	⊗
3/4-10	95	30	-	14	11	16,5	4135	⊗
7/8-9	100	32	-	18	14,5	19,5	4137	○
1-8	110	36	-	18	14,5	22,25	4139	○
1.1/8-7	125	40	-	22	18	25	4141	○
1.1/4-7	125	40	-	22	18	28	4143	○
1.3/8-6	150	50	-	28	22	30,75	4145	○
1.1/2-6	150	50	-	28	22	34	4147	○
1.3/4-5	160	58	-	36	29	39,5	4151	○
2-4.1/2	180	65	-	40	32	45	4155	○

ISO	Vc
P	5-20

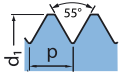
Esempio di un ordine : RKE1-131001-4227 = TAP /4-28 UNF 2B DIN-2181 HSS

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228

ASPTAP

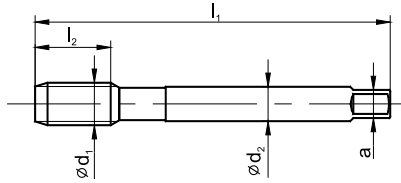
B-HL C-R45-HL



HSSE
PM

HL

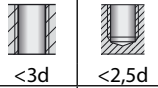
DIN
5156



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

HL HL

Anschnitt / Imbocco / Chamfer

B/4-5P C/2-3P

G Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 371	
							Tol.	2BX	2BX
							INDEX	RKD4-118M01	RKD4-528M01
G1/16	90	10	-	6	4,9	6,8	3121	○	○
G1/8	90	10	-	7	5,5	8,8	3123	☆	☆
G1/4	100	14	-	11	9	11,8	3127	☆	☆
G3/8	100	15	-	12	9	15,25	3129	☆	☆
G1/2	125	17	-	16	12	19	3131	☆	☆
G5/8	125	20	-	18	14,5	21	3133	☆	☆
G3/4	140	20	-	20	16	24,5	3135	☆	☆
G7/8	150	22	-	22	18	28,25	3137	☆	☆
G1	160	24	-	25	20	30,75	3139	☆	☆

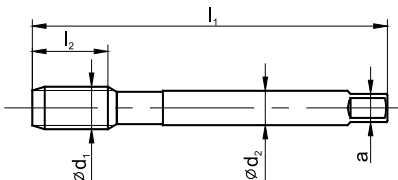
ISO	Vc (m/min)	
P	10-40	10-40
M	5-15	5-15
K	10-30	10-30
N	10-50	10-50
S	1-8	1-8

Esempio di un ordine : RKD4-528M01-3123 = ASP TAP G1/8" DIN-5156 C HSSE-PM HL

☆ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228



Materialgruppen / Gruppi di materiali / Material groups	P M K N	P M K N	P M K N
Lochtyp / Tipo di foro / Hole type			
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE	HSSE
Beschichtung / Rivestimento / Coating	TN2	TN2	TN2
Anschnitt / Imbocco / Chamfer	C/2-3P	B/4-5P	C/2-3P

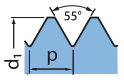
G Ø d ₁	l ₁	l ₂	l ₂ R40	Ø d ₂	a		DIN 5156			
							Norm			
							Tol.			
							INDEX	RKD2-123X01	RKD2-113X01	RKD2-513X01
G1/16	90	17	10	6	4,9	6,8	3121	○	○	○
G1/8	90	18	10	7	5,5	8,8	3123	★	★	★
G1/4	100	22	14	11	9	11,8	3127	★	★	★
G3/8	100	22	15	12	9	15,25	3129	★	★	★
G1/2	125	25	17	16	12	19	3131	★	★	★
G5/8	125	25	20	18	14,5	21	3133	★	★	★
G3/4	140	28	20	20	16	24,5	3135	★	★	★
G7/8	150	30	22	22	18	28,25	3137	★	★	★
G1	160	32	24	25	20	30,75	3139	★	★	★
G1.1/8	170	34	24	28	22	35,5	3141	○	○	○
G1.1/4	170	34	25	32	24	39,5	3143	○	○	○
G1.1/2	190	36		36	29	45,25	3147	○	○	
G1.3/4	190	36		40	32	51	3151	○	○	
G2	220	40		45	35	57	3155	○	○	

ISO	Vc (m/min)		
P	5-35	5-35	5-35
M	5-15	5-15	5-15
K	5-25	5-25	5-25
N	10-30	10-30	10-30

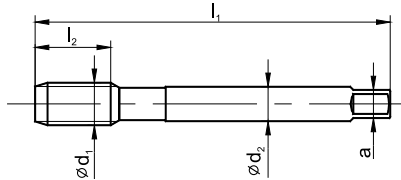
Esempio di un ordine : RKD4-123X01-3139 = TOPX TAP G1" DIN-5156 C HSSE TN2

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228

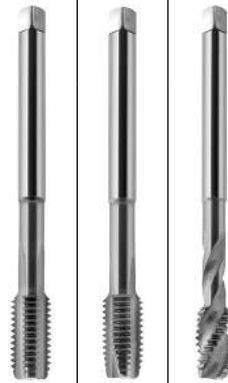


HSSE **DIN 5156**



TOP

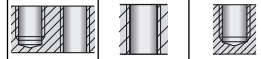
C B C-R40



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



<1,5d <3d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C/2-3P B/4-5P C/2-3P

G Ø d ₁	l ₁	l ₂	l ₂ R40	Ø d ₂	a		DIN 5156			
							Norm	Tol.		
							INDEX	RKD2-121101	RKD2-111101	RKD2-511101
G1/16	90	17	10	6	4,9	6,8	3121	○	○	○
G1/8	90	18	10	7	5,5	8,8	3123	★	★	★
G1/4	100	22	14	11	9	11,8	3127	★	★	★
G3/8	100	22	15	12	9	15,25	3129	★	★	★
G1/2	125	25	17	16	12	19	3131	★	★	★
G5/8	125	25	20	18	14,5	21	3133	★	★	★
G3/4	140	28	20	20	16	24,5	3135	★	★	★
G7/8	150	30	22	22	18	28,25	3137	★	★	★
G1	160	32	24	25	20	30,75	3139	★	★	★
G1.1/8	170	34	24	28	22	35,5	3141	○	○	○
G1.1/4	170	34	25	32	24	39,5	3143	○	○	○
G1.1/2	190	36		36	29	45,25	3147	○	○	
G1.3/4	190	36		40	32	51	3151	○	○	
G2	220	40		45	35	57	3155	○	○	

ISO	Vc (m/min)		
P	5-20	5-20	5-20
K	5-15	5-15	5-15
N	5-25	5-25	5-25

Esempio di un ordine : RKD2-121101-3123 = TOP TAP G1/8" DIN-5156 C HSSE

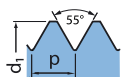
★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228

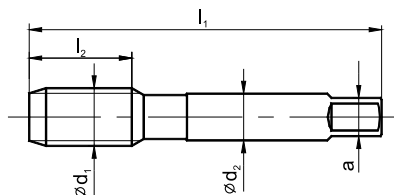
Ms

F



HSSE

DIN 5157



Materialgruppen / Gruppi di materiali / Material groups

N

Lochtyp / Tipo di foro / Hole type



<1,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

F / 1P

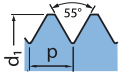
G Ø d ₁	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm	5157
							Tol.	
							INDEX	RKE2-141401
G3/8	70	22	-	12	9	15,25	3129	⊗
G1/2	80	22	-	16	12	19	3131	⊗
G3/4	90	22	-	20	16	24,5	3135	⊗
G1	100	25	-	25	20	30,75	3139	⊗

ISO	Vc
N	10-25

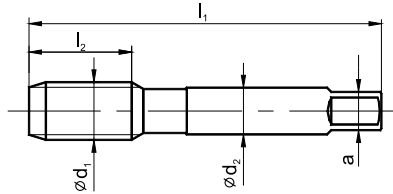
Esempio di un ordine : RKE1-141401-3129 = Ms TAP G3/8" DIN-5157 F HSSE

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228



HSS **DIN 5157**



Materialgruppen / Gruppi di materiali / Material groups

P

Lochtyp / Tipo di foro / Hole type



<1,5d
 HSS

Materialqualität / Qualità del materiale / Quality of material

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

3P

G Ø d ₁	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm	5157
							Tol.	
							INDEX	RKE1-131001
G1/16	56	22	-	6	4,9	6,8	3121	○
G1/8	63	20	-	7	5,5	8,8	3123	○
G1/4	70	22	-	11	9	11,8	3127	⊛
G3/8	70	22	-	12	9	15,25	3129	⊛
G1/2	80	22	-	16	12	19	3131	⊛
G5/8	80	22	-	18	14,5	21	3133	○
G3/4	90	22	-	20	16	24,5	3135	⊛
G7/8	90	22	-	22	18	28,25	3137	○
G1	100	25	-	25	20	30,75	3139	⊛
G1.1/8	125	36	-	28	22	35,5	3141	○
G1.1/4	125	36	-	32	24	39,5	3143	○
G1.3/8	125	36	-	36	29	41,75	3145	○
G1.1/2	140	40	-	36	29	45,25	3147	○
G1.3/4	140	40	-	40	32	51	3151	○
G2	160	40	-	45	35	57	3155	○

ISO	Vc
P	5-20

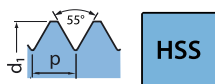
Esempio di un ordine : RKE1-131001-3127 = TAP G1/4" DIN-5157 HSS

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228

NGMf



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



<1,5d

Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

12P

G Ø d ₁	l ₁	l ₂	l ₂ R40	Ø d ₂	a		Norm	
							Tol.	INDEX
G1/16	140	20	-	6	4,5	6,8	3121	○
G1/8	140	20	-	7	6,3	8,8	3123	○
G1/4	180	30	-	11	8	11,8	3127	○
G3/8	200	30	-	12	10	15,25	3129	○
G1/2	220	40	-	16	12,5	19	3131	⊗
G5/8	220	40	-	18	14	21	3133	○
G3/4	250	40	-	20	16	24	3135	○
G7/8	280	40	-	22	18	28,25	3137	○
G1	280	60	-	25	20	30,75	3139	○
G1.1/8	280	60	-	28	22,4	35,5	3141	
G1.1/4	280	60	-	32	25	39,5	3143	○
G1.3/8	280	60	-	32	25	42	3145	
G1.1/2	280	60	-	36	28	45	3147	○
G1.3/4	280	60	-	40	28	51	3151	
G2	280	60	-	45	31,5	57	3155	○

ISO	Vc
P	5-20
K	6-15
N	6-15

Esempio di un ordine : RKF1-151001-3131 = NGRf TAP G1/2" HSS

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

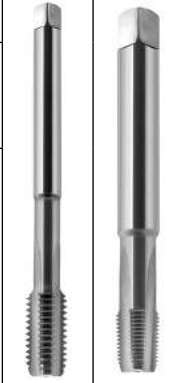
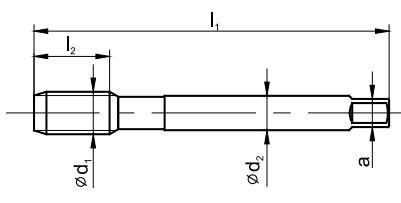


HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



Zylindrisches Whitworth-Rohrgewinde DIN EN 10226-1 (DIN 2999) Filettatura cilindrica gas Whitworth DIN EN 10226-1 (DIN 2999) Cylindrical Whitworth pipe thread DIN EN 10226-1 (DIN 2999)		TOP	
Kegeliges Whitworth-Rohrgewinde DIN EN 10226-2 (ISO 7-1) Filettatura conica gas Whitworth DIN EN 10226-2 (ISO 7-1) Tapered Whitworth pipe thread DIN EN 10226-2 (ISO 7-1)		C	C

HSSE **DIN 5156** **DIN ~5156**



Materialgruppen / Gruppi di materiali / Material groups	P K N	P K N
Lochtyp / Tipo di foro / Hole type		
Materialqualität / Qualità del materiale / Quality of material	HSSE	HSSE
Beschichtung / Rivestimento / Coating		
Anschnitt / Imbocco / Chamfer	C/2-3P	C/2-3P

Rp	P	l ₁	l ₃	Ø d ₂	a		Norm	
							Tol.	INDEX
Rp-1/16"	90	17	-	6	4,9	6,55	DIN 5156	RKD2-121101
Rp-1/8"	90	18	-	7	5,5	8,6	3221	○
Rp-1/4"	100	22	-	11	9	11,5	3223	○
Rp-3/8"	100	22	-	12	9	15	3227	○
Rp-1/2"	125	25	-	16	12	18,5	3229	○
Rp-3/4"	140	28	-	20	16	24	3231	○
Rp-1"	160	32	-	25	20	30,25	3235	○
							3239	○

Rc	P	l ₁	l ₃	Ø d ₂	a		Norm	
							Tol.	INDEX
Rc-1/16"	90	17	-	6	4,9	6,15	~DIN 5156	RKD2-121101
Rc-1/8"	90	18	-	7	5,5	8,15	3321	○
Rc-1/4"	100	22	-	11	9	10,85	3323	⊗
Rc-3/8"	100	22	-	12	9	14,3	3327	⊗
Rc-1/2"	125	25	-	16	12	17,8	3329	○
Rc-3/4"	140	28	-	20	16	23,2	3331	○
Rc-1"	160	33	-	25	20	29,2	3335	○
							3339	○

ISO	V _c (m/min)	
P	5-20	5-20
K	5-15	5-15
N	10-25	10-25

Esempio di un ordine : RKD2-121101-3221 = TOP TAP Rp-1/16" DIN 5156 C HSSE

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

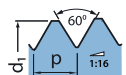


HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS

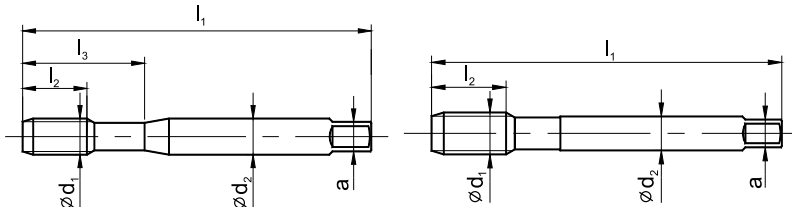


Amerikanisches kegeliges Rohrgewinde ANSI B1.20.1
 Filettatura americana gas conica (con tenuta a stagna) ANSI B1.20.1
 American Standard taper pipe thread ANSI B1.20.1

TOP
 C



HSSE **DIN ~371** **DIN ~374**



Materialgruppen / Gruppi di materiali / Material groups **P K N**

Lochtyp / Tipo di foro / Hole type

Materialqualität / Qualità del materiale / Quality of material HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer C / 2-3P

NPT	P	l ₁	l ₃	Ø d ₂	a		Norm	~DIN 371
							Tol.	
							INDEX	RKD2-121101
1/8 NPT	90	13	33	10	8	8,5	4623	☼
1/4 NPT	100	19,5	34,5	14	11	11,1	4627	☼

NPT	P	l ₁	l ₃	Ø d ₂	a		Norm	~DIN 374
							Tol.	
							INDEX	RKD2-121101
3/8 NPT	110	22	-	14	11	14,4	4629	☼
1/2 NPT	140	27	-	18	14,5	17,8	4631	☼
3/4 NPT	140	28	-	20	16	23,15	4635	☼
1 NPT	160	35	-	25	20	29,05	4639	☼

ISO	V _c
P	5-20
K	5-15
N	10-25

Esempio di un ordine : RKD2-121101-4631 = TOP TAP /2NPT ~DIN 374 C HSSE

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



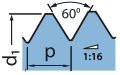
HOCHLEISTUNGS MASCHINEN GEWINDEBOHRER
MASCHI A MACCHINA AD ALTE PRESTAZIONI
HIGH PERFORMANCE MACHINE TAPS



Amerikanisches kegeliges Rohrgewinde ANSI B1.20.1
 Filettatura americana gas conica (con tenuta a stagna) ANSI B1.20.1
 American Standard taper pipe thread ANSI B1.20.1

TOP

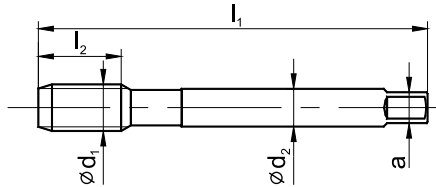
C



HSSE

DIN
~371

DIN
~374



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



<1,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C/2-3P

NPTF	P	l ₁	l ₃	Ø d ₂	a		Norm	~DIN 371
							Tol.	
							INDEX	RKC2-121101
1/8 NPTF	90	15	-	7	5,5	8,45	4723	⊕
1/4 NPTF	100	20	-	11	9	10,9	4727	○
3/8 NPTF	110	22	-	14	11	14,3	4729	○
1/2 NPTF	140	27	-	18	14,5	17,6	4731	○

ISO	Vc
P	5-20
K	5-15
N	10-25

Esempio di un ordine : RKC2-121101-4727 = TOP TAP 1/4 NPTF ~DIN 371 HSSE

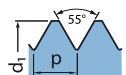
⊕ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Whitworth Gewinde BS 84
 Filettatura Whitworth BS 84
 Whitworth thread BS 84

TOP

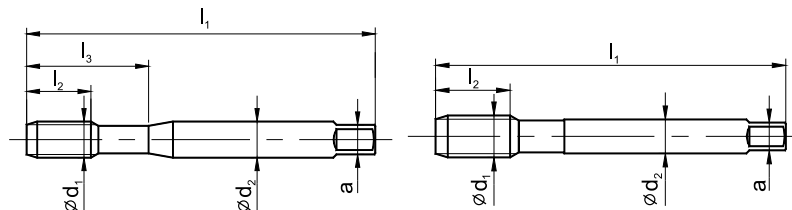
B C-R40



HSSE

DIN 371

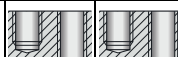
DIN 376



Materialgruppen / Gruppi di materiali / Material groups

P K N **P K N**

Lochtyp / Tipo di foro / Hole type



<1,5d <1,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C/2-3P C/2-3P

BSW	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 371	
								Tol.		
								INDEX	RKC2-111101	RKC2-511101
1/8-40	56	10	5	18	3,5	2,7	2,55	7123	○	○
3/16-24	70	14	8	25	6	4,9	3,7	7125	○	○
1/4-20	80	18	13	30	7	5,5	5,1	7127	○	○
5/16-18	90	20	20	35	8	6	6,5	7128	○	○
3/8-16	100	21	20	39	10	8	7,9	7129	○	○

BSW	l ₁	l ₂	l ₂ R40	l ₃	Ø d ₂	a		Norm	DIN 376	
								Tol.		
								INDEX	RKD2-111101	RKD2-511101
7/16-14	100	22	15	-	8	6,2	9,25	7130	○	○
1/2-12	110	24	18	-	9	7	10,5	7131	○	○
5/8-11	110	32	22	-	12	9	13,5	7133	○	○
3/4-10	125	32	25	-	14	11	16,4	7135	○	○
7/8-9	140	32	30	-	18	14,5	19,25	7137	○	○
1-8	160	38	30	-	20	16	22	7139	○	○

ISO	V _c (m/min)	
P	5-20	5-20
K	5-15	5-15
N	5-25	5-25

Esempio di un ordine : RKC2-111101-7123 = TOP TAP 1/8-40 BSW DIN 371 C HSSE

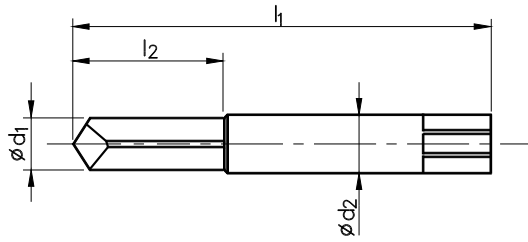
☺ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**BOHRER ZUM ENTFERNEN GEBROCHENER GEWINDEBOHRER
PUNTE PER RIMUOVERE I MASCHI ROTTI
DRILLS TO REMOVE BROKEN TAPS**

VHM	AT	WDG
-----	----	-----



Materialgruppen / Gruppi di materiali / Material groups	H
Lochtyp / Tipo di foro / Hole type	
Materialqualität / Qualità del materiale / Quality of material	VHM
Beschichtung / Rivestimento / Coating	AT
Anschnitt / Imbocco / Chamfer	

Ø d ₁	M	l ₁ ±2	l ₂ ±2	Ø d ₂	Norm	
					Tol.	
					INDEX	RKW9-900002
2,5	M3	38	10	3	0250	☼
3,3	M4	46	14	4	0330	☼
4,2	M5	50	19	5	0420	☼
5,0	M6	50	23	6	0500	☼
6,8	M8	60	23	8	0680	☼
8,5	M10	80	25	10	0850	☼
10,2	M12	80	35	12	1020	☼

Esempio di un ordine : W9-900002-0250 = WDG 2,5 VHM AT

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



Hand-Gewindebohrer Maschi a mano Hand taps

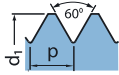




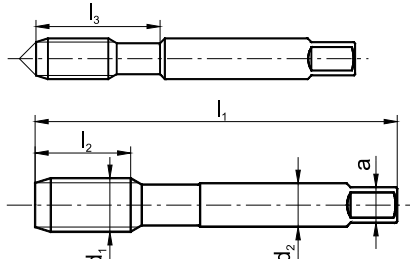
**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**



Metric ISO-Regelgewinde DIN 13
Filettatura metrica ISO passo grosso DIN 13
ISO Metric coarse thread DIN 13



HSS **DIN 352**



KPL/3

F



Materialgruppen / Gruppi di materiali / Material groups

P

P

Lochtyp / Tipo di foro / Hole type



<2,5d

<2,5d

Materialqualität / Qualità del materiale / Quality of material

HSS

HSS

Beschichtung / Rivestimento / Coating

TN2

TN2

Anschnitt / Imbocco / Chamfer

C-2 P

M Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm Tol.	DIN 352	
								ISO2 (6H)	
								RKA1- 230001	RKA1- 233001
INDEX									
M1,6	41	9	10,5	2,5	2,1	1,25	0016	★	★
M1,7	41	9	10,5	2,5	2,1	1,35	0017	★	★
M1,8	41	9	10,5	2,5	2,1	1,45	0018	★	★
M2	36	10	10	2,8	2,1	1,6	0020	★	★
M2,2	36	9	13	2,8	2,1	1,75	0022	★	★
M2,3	36	9	13	2,8	2,1	1,9	0023	★	★
M2,5	40	9	15	2,8	2,1	2,05	0025	★	★
M2,6	40	9	15	2,8	2,1	2,15	0026	★	★
M3	40	11	18	3,5	2,7	2,5	0030	★	★
M3,5	45	13	21	4	3	2,9	0035	★	★
M4	45	13	21	4,5	3,4	3,3	0040	★	★
M4,5	50	16	25	6	4,9	3,7	0045	★	★
M5	52	16	26	6	4,9	4,2	0050	★	★
M6	56	18	27	6	4,9	5	0060	★	★
M7	56	18	-	6	4,9	6	0070	★	★
M8	63	20	-	6	4,9	6,8	0080	★	★
M9	63	20	-	7	5,5	7,8	0090	★	★
M10	70	22	-	7	5,5	8,5	0100	★	★
M11	70	22	-	8	6,2	9,5	0110	★	★
M12	80	24	-	9	7	10,2	0120	★	★
M14	80	26	-	11	9	12	0140	★	★
M16	80	27	-	12	9	14	0160	★	★
M18	95	30	-	14	11	15,5	0180	★	★
M20	95	32	-	16	12	17,5	0200	★	★
M22	100	32	-	18	14,5	19,5	0220	★	★
M24	110	34	-	18	14,5	21	0240	★	★
M27	110	36	-	20	16	24	0270	★	★
M30	125	40	-	22	18	26,5	0300	★	★
M33	125	40	-	25	20	29,5	0330	★	★
M36	150	50	-	28	22	32	0360	★	★
M39	150	50	-	32	24	35	0390	★	★
M42	150	56	-	32	24	37,5	0420	★	★
M45	160	58	-	36	29	40,5	0450	★	★
M48	180	65	-	36	29	43	0480	★	★
M52	180	65	-	40	32	47	0520	★	★

Esempio di un ordine : RKA1-230001-0060 = AND TAP M6-6H DIN-352 HSS

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13 Filettatura metrica ISO passo grosso DIN 13 ISO Metric coarse thread DIN 13							KPL/3-LH		F-LH	
<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">HSS</div> <div style="border: 1px solid black; padding: 2px;">DIN 352</div> </div>										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type										
Materialqualität / Qualità del materiale / Quality of material							HSS		HSS	
Beschichtung / Rivestimento / Coating							TN2		TN2	
Anschnitt / Imbocco / Chamfer									C-2P	
M Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352		
							Tol.	ISO2 (6H)	ISO2 (6H)	
							INDEX	RKA1-270001	RKA1-273001	
M3	40	11	18	3,5	2,7	2,5	0030	★	★	
M3,5	45	13	21	4	3	2,9	0035	○	○	
M4	45	13	21	4,5	3,4	3,3	0040	★	★	
M4,5	50	16	25	6	4,9	3,7	0045	○	○	
M5	50	16	26	6	4,9	4,2	0050	★	★	
M6	56	18	27	6	4,9	5	0060	★	★	
M7	56	18	-	6	4,9	6	0070	○	○	
M8	63	20	-	6	4,9	6,8	0080	★	★	
M9	63	20	-	7	5,5	7,8	0090	○	○	
M10	70	22	-	7	5,5	8,5	0100	★	★	
M11	70	22	-	8	6,2	9,5	0110	○	○	
M12	80	24	-	9	7	10,2	0120	★	★	
M14	80	26	-	11	9	12	0140	○	○	
M16	80	27	-	12	9	14	0160	★	★	
M18	95	30	-	14	11	15,5	0180	○	○	
M20	95	32	-	16	12	17,5	0200	★	★	
M22	100	32	-	18	14,5	19,5	0220	○	○	
M24	110	34	-	18	14,5	21	0240	○	○	
M27	110	36	-	20	16	24	0270	○	○	
M30	125	40	-	22	18	26,5	0300	○	○	
M33	125	40	-	25	20	29,5	0330	○	○	
M36	150	50	-	28	22	32	0360	○	○	
M39	150	50	-	32	24	35	0390	○	○	
M42	150	56	-	32	24	37,5	0420	○	○	
M45	160	58	-	36	29	40,5	0450	○	○	
M48	180	65	-	36	29	43	0480	○	○	
M52	180	65	-	40	32	47	0520	○	○	

Esempio di un ordine : RKA1-270001-0270 AND TAP M27-6H-LH DIN-352 HSS

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**

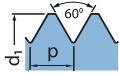


Metrisches ISO-Regelgewinde DIN 13
Filettatura metrica ISO passo grosso DIN 13
ISO Metric coarse thread DIN 13

INOX

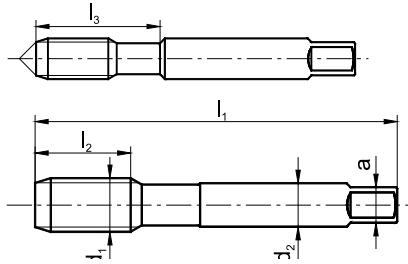
KPL/3-P

F



HSSE

**DIN
352**



Materialgruppen / Gruppi di materiali / Material groups

P

P

Lochtyp / Tipo di foro / Hole type



<2,5d

<2,5d

Materialqualität / Qualità del materiale / Quality of material

HSSE

HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C-2P

M Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352	
							Tol.	ISO2 (6H)	ISO2 (6H)
							INDEX	RKA2-235801	RKA2-203801
M2	36	10	10	2,8	2,1	1,6	0020	⊛	⊛
M2,5	40	10	10	2,8	2,1	2,05	0025	⊛	⊛
M3	40	10	18	3,5	2,7	2,5	0030	⊛	⊛
M3,5	45	11	20	4	3	2,9	0035	○	○
M4	45	12	21	4,5	3,4	3,3	0040	⊛	⊛
M4,5	50	13	24	6	4,9	3,7	0045	○	○
M5	50	14	25	6	4,9	4,2	0050	⊛	⊛
M6	56	16	27	6	4,9	5	0060	⊛	⊛
M8	63	22		6	4,9	6,8	0080	⊛	⊛
M10	70	22		7	5,5	8,5	0100	⊛	⊛
M12	75	24		9	7	10,2	0120	⊛	⊛
M14	80	32		11	9	12	0140	⊛	⊛
M16	80	32		12	9	14	0160	⊛	⊛
M18	95	40		14	11	15,5	0180	⊛	⊛
M20	95	40		16	12	17,5	0200	⊛	⊛
M22	100	40		18	14,5	19,5	0220	⊛	⊛
M24	110	50		18	14,5	21	0240	⊛	⊛

Esempio di un ordine : RKA2-203801-0080 = AND TAP INOX M8-6HX DIN-352 HSSE

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13 Filettatura metrica ISO passo grosso DIN 13 ISO Metric coarse thread DIN 13							INOX			
							KPL/3-P		F	
<div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px;">HSSE</div> <div style="border: 1px solid black; padding: 2px;">TN2</div> <div style="border: 1px solid black; padding: 2px;">DIN 352</div> </div>										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSSE		HSSE	
Beschichtung / Rivestimento / Coating							TN2		TN2	
Anschnitt / Imbocco / Chamfer									C-2P	
M Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352		
							Tol.	ISO2 (6H)	ISO2 (6H)	
							INDEX	RKA2-235831	RKA2-203831	
M2	36	10	10	2,8	2,1	1,6	0020	★	★	
M2,5	40	10	10	2,8	2,1	2,05	0025	★	★	
M3	40	10	18	3,5	2,7	2,5	0030	★	★	
M3,5	45	11	20	4	3	2,9	0035	○	○	
M4	45	12	21	4,5	3,4	3,3	0040	★	★	
M4,5	50	13	24	6	4,9	3,7	0045	○	○	
M5	50	14	25	6	4,9	4,2	0050	★	★	
M6	56	16	27	6	4,9	5	0060	★	★	
M8	63	22	-	6	4,9	6,8	0080	★	★	
M10	70	22	-	7	5,5	8,5	0100	★	★	
M12	75	24	-	9	7	10,2	0120	★	★	
M14	80	32	-	11	9	12	0140	★	★	
M16	80	32	-	12	9	14	0160	★	★	
M18	95	40	-	14	11	15,5	0180	★	★	
M20	95	40	-	16	12	17,5	0200	★	★	
M22	100	40	-	18	14,5	19,5	0220	★	★	
M24	110	50	-	18	14,5	21	0240	★	★	

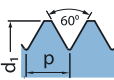
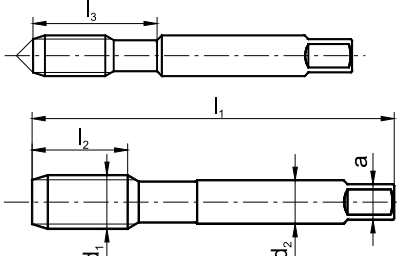





Esempio di un ordine : RKA2-203031-0080 AND TAP INOX M8-6HX DIN-352 HSSE TN2

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**



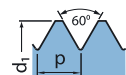
Metrisches ISO-Regelgewinde DIN 13 Filettatura metrica ISO passo grosso DIN 13 ISO Metric coarse thread DIN 13							HRC40					
 <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">HSSE PM</div> <div style="border: 1px solid black; padding: 2px;">TC</div> <div style="border: 1px solid black; padding: 2px;">DIN 352</div> </div>							KPL/3-P		F			
												
Materialgruppen / Gruppi di materiali / Material groups							P		P			
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d			
Materialqualität / Qualità del materiale / Quality of material							HSSE-PM		HSSE-PM			
Beschichtung / Rivestimento / Coating							TC		TC			
Anschnitt / Imbocco / Chamfer							C-2P					
M Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 352					
							Norm	IS02 (6H)		IS02 (6H)		
							Tol.	RKA4-235D51		RKA4-203D51		
INDEX												
M3	40	10	-	3,5	2,7	2,5	0030	☆	☆	☆	☆	
M4	50	13	-	6	4,9	3,3	0040	☆	☆	☆	☆	
M5	50	16	-	6	4,9	4,2	0050	☆	☆	☆	☆	
M6	56	19	-	6	4,9	5	0060	☆	☆	☆	☆	
M8	63	22	-	6	4,9	6,8	0080	☆	☆	☆	☆	
M10	70	25	-	7	5,5	8,5	0100	☆	☆	☆	☆	
M12	75	30	-	9	7	10,2	0120	☆	☆	☆	☆	
M16	80	32	-	12	9	14	0160	☆	☆	☆	☆	
M20	95	40	-	16	12	17,5	0200	○	○	○	○	

Esempio di un ordine : RKA4-203D51-0040 = HAND TAP HRC40 M4-6HX DIN-352 F HSSE-PM TC

☆ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

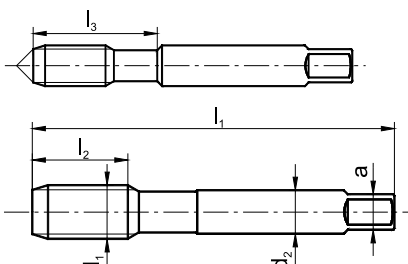
○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
Filettatura metrica ISO passo fine DIN 13
ISO Metric fine thread DIN 13



HSS

**DIN
2181**



KPL/2 F KPL/2-LH F-LH



Materialgruppen / Gruppi di materiali / Material groups

P **P** **P** **P**

Lochtyp / Tipo di foro / Hole type



<2,5d <2,5d <2,5d <2,5d

Materialqualität / Qualità del materiale / Quality of material

HSS HSS HSS HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C-2P C-2P

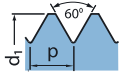
MF Ø d _x P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 2181			
							ToL.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
							INDEX	RKA1-220001	RKA1-222001	RKA1-260001	RKA1-262001
M4x0,5	45	10	18	4,5	3,4	3,5	0041	★	★	○	○
M5x0,5	52	13	22	6	4,9	4,5	0051	★	★	○	○
M5,5x0,5	56	13	24	6	4,9	5	0056	○	○	○	○
M6x0,75	56	14	24	6	4,9	5,2	0062	★	★	○	○
M7x0,75	56	14	-	6	4,9	6,2	0072	○	○	○	○
M8x0,75	63	14	-	6	4,9	7,2	0082	★	★	○	○
M8x1	63	17	-	6	4,9	7	0083	★	★	★	★
M9x0,75	63	14	-	7	5,5	8,2	0092	○	○	○	○
M9x1	63	17	-	7	5,5	8	0093	○	○	○	○
M10x0,75	63	18	-	7	5,5	9,2	0102	○	○	○	○
M10x1	63	18	-	7	5,5	9	0103	★	★	★	★
M10x1,25	70	22	-	7	5,5	8,8	0104	★	★	★	★
M11x0,75	63	18	-	8	6,2	10,2	0112	○	○	○	○
M11x1	63	18	-	8	6,2	10	0113	○	○	○	○
M12x1	70	18	-	9	7	11	0123	★	★	★	★
M12x1,25	70	20	-	9	7	10,8	0124	★	★	★	★
M12x1,5	70	20	-	9	7	10,5	0125	★	★	○	○
M14x1	70	18	-	11	9	13	0143	★	★	○	○
M14x1,25	70	22	-	11	9	12,8	0144	★	★	○	○
M14x1,5	70	22	-	11	9	12,5	0145	★	★	★	★
M15x1	70	18	-	12	9	14	0153	○	○	○	○
M15x1,5	70	22	-	12	9	13,5	0155	○	○	○	○
M16x1	80	18	-	12	9	15	0163	★	★	★	★
M16x1,25	80	18	-	12	9	14,8	0164	○	○	○	○
M16x1,5	80	22	-	12	9	14,5	0165	★	★	○	○
M17x1	80	18	-	12	9	16	0173	○	○	○	○
M17x1,5	80	22	-	12	9	15,5	0175	○	○	○	○
M18x1	80	18	-	14	11	17	0183	★	★	○	○
M18x1,5	80	22	-	14	11	16,5	0185	★	★	★	★
M18x2	80	22	-	14	11	16	0186	★	★	○	○
M20x1	80	18	-	16	12	19	0203	★	★	○	○
M20x1,5	80	22	-	16	12	18,5	0205	★	★	★	★
M20x2	80	22	-	16	12	18	0206	★	★	○	○
M22x1	80	18	-	18	14,5	21	0223	★	★	○	○
M22x1,5	80	22	-	18	14,5	20,5	0225	★	★	★	★
M22x2	80	22	-	18	14,5	20	0226	★	★	○	○
M24x1	90	18	-	18	14,5	23	0243	★	★	★	★

Esempio di un ordine : RKA1-22001-0083 = HAND TAP M8x1-6H DIN-2181 HSS

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

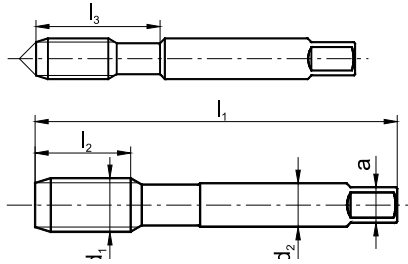
○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
Filettatura metrica ISO passo fine DIN 13
ISO Metric fine thread DIN 13



HSS

**DIN
2181**



KPL/2 F KPL/2-LH F-LH



LH

LH

Materialgruppen / Gruppi di materiali / Material groups

P

P

P

P

Lochtyp / Tipo di foro / Hole type



<2,5d

<2,5d

<2,5d

<2,5d

Materialqualität / Qualità del materiale / Quality of material

HSS

HSS

HSS

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C-2P

C-2P

MF Ø d _x P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 2181			
							Tol.	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)	ISO2 (6H)
							INDEX	RKA1-220001	RKA1-222001	RKA1-260001	RKA1-262001
M24x1,5	90	22	-	18	14,5	22,5	0245	☉	☉	○	○
M24x2	90	22	-	18	14,5	22	0246	☉	☉	○	○
M25x1	90	18	-	18	14,5	24	0253	○	○	○	○
M25x1,5	90	22	-	18	14,5	23,5	0255	○	○	○	○
M25x2	90	22	-	18	14,5	23	0256	○	○	○	○
M26x1,5	90	22	-	18	14,5	24,5	0265	○	○	○	○
M27x1	90	22	-	20	16	26	0273	○	○	○	○
M27x1,5	90	22	-	20	16	25,5	0275	☉	☉	○	○
M27x2	90	22	-	20	16	25	0276	☉	☉	○	○
M28x1	90	20	-	20	16	27	0283	○	○	○	○
M28x1,5	90	22	-	20	16	26,5	0285	☉	☉	○	○
M28x2	90	22	-	20	16	26	0286	○	○	○	○
M30x1	90	18	-	22	18	29	0303	○	○	○	○
M30x1,5	90	22	-	22	18	28,5	0305	☉	☉	○	○
M30x2	90	22	-	22	18	28	0306	☉	☉	○	○
M32x1,5	90	22	-	22	18	30,5	0325	○	○	○	○
M32x2	90	22	-	22	18	30	0326	○	○	○	○
M33x1,5	100	25	-	25	20	31,5	0335	☉	☉	○	○
M33x2	100	25	-	25	20	31	0336	☉	☉	○	○
M35x1,5	100	25	-	28	22	33,5	0355	○	○	○	○
M36x1,5	100	25	-	28	22	34,5	0365	○	○	○	○
M36x2	125	30	-	28	22	34	0366	○	○	○	○
M38x1,5	100	25	-	28	22	36,5	0385	○	○	○	○
M39x1,5	110	25	-	32	24	37,5	0395	○	○	○	○
M39x2	125	30	-	32	24	37	0396	○	○	○	○
M40x1,5	110	25	-	32	24	38,5	0405	○	○	○	○
M40x2	125	36	-	32	24	38	0406	☉	☉	○	○
M42x1,5	110	25	-	32	24	40,5	0425	☉	☉	○	○
M42x2	125	36	-	32	24	40	0426	○	○	○	○
M45x1,5	110	25	-	36	29	43,5	0455	☉	☉	○	○
M45x2	125	36	-	36	29	43	0456	○	○	○	○
M48x1,5	140	30	-	36	29	46,5	0485	○	○	○	○
M48x2	140	36	-	36	29	46	0486	○	○	○	○
M50x1,5	140	30	-	36	29	48,5	0505	☉	☉	○	○
M50x2	140	36	-	36	29	48	0506	○	○	○	○
M52x1,5	140	30	-	40	32	50,5	0525	☉	☉	○	○
M52x2	140	36	-	40	32	50	0526	○	○	○	○

Esempio di un ordine : RKA1-22001-025 = HAND TAP M22x1.5-6H DIN-2181 HSS

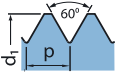
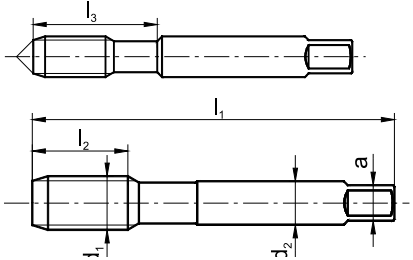





☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**

MF

Metrisches ISO-Feingewinde DIN 13 Filettatura metrica ISO passo fine DIN 13 ISO Metric fine thread DIN 13							HRC40			
 <div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">HSSE PM</div> <div style="border: 1px solid black; padding: 2px;">TC</div> <div style="border: 1px solid black; padding: 2px;">DIN 2181</div> </div>							KPL/2		F	
										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSS		HSS	
Beschichtung / Rivestimento / Coating							TC		TC	
Anschnitt / Imbocco / Chamfer							C-2P			
MFxP Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 2181			
							Norm			
							Tol.	6HX	6HX	
							INDEX	RKA4-225D51	RKA4-202D51	
M8x1	63	18	-	6	4,9	7	0083	☼	○	
M10x1	63	18	-	7	5,5	9	0103	☼	☼	
M12x1,5	70	20	-	9	7	10,5	0125	☼	☼	
M16x1,5	70	22	-	12	9	14,5	0165	☼	☼	



Esempio di un ordine : RKA4-225D51-0083 = HAND TAP M10x1-6HX DIN-2181 HSSE-PM TC

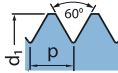




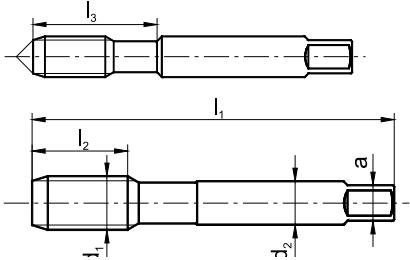



☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**



Unified-Grobgewinde ASME B1.1 Filettatura unificata passo grosso ASME B1.1 Unified coarse thread ASME B1.1							KPL/3		F
  									
									
Materialgruppen / Gruppi di materiali / Material groups							P	P	
Lochtyp / Tipo di foro / Hole type									
Materialqualität / Qualità del materiale / Quality of material							<2,5d HSS	<2,5d HSS	
Beschichtung / Rivestimento / Coating									
Anschnitt / Imbocco / Chamfer								C-2P	
UNC Ø d ₁ -P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352	
							Tol.	2B	2B
							INDEX	RKA1-230001	RKA1-233001
No2-56	36	10	10	2,8	2,1	1,85	4102	○	○
No4-40	40	10	18	3,5	2,7	2,35	4104	★	★
No5-40	42	10	18	3,5	2,7	2,65	4105	★	★
No6-32	45	11	18	4	3	2,85	4106	★	★
No8-32	48	12	23	4,5	3,4	3,5	4108	★	★
No10-24	52	14	26	6	4,9	3,9	4110	★	★
No12-24	56	16	27	6	4,9	4,5	4112	○	○
1/4-20	56	16	27	6	4,9	5,1	4127	★	★
5/16-18	63	20	-	6	4,9	6,6	4128	★	★
3/8-16	70	22	-	7	5,5	8	4129	★	★
7/16-14	70	22	-	8	6,2	9,4	4130	★	★
1/2-13	80	25	-	9	7	10,8	4131	★	★
9/16-12	80	26	-	11	9	12,2	4132	○	○
5/8-11	80	27	-	12	9	13,5	4133	★	★
3/4-10	95	30	-	14	11	16,5	4135	★	★
7/8-9	100	32	-	18	14,5	19,5	4137	★	★
1-8	110	36	-	18	14,5	22,25	4139	★	★
1.1/8-7	125	40	-	22	18	25	4141	○	○
1.1/4-7	125	40	-	22	18	28	4143	○	○
1.3/8-6	150	50	-	28	22	30,75	4145	○	○
1.1/2-6	150	50	-	28	22	34	4147	○	○
1.3/4-5	160	58	-	36	29	39,5	4151	○	○
2-4.1/2	180	70	-	40	32	45	4155	○	○

Esempio di un ordine : RKA1-230001-104 = HAND TAP No 4-40 UNC 2B DIN-352 HSS

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Unified-Feingewinde ASME B1.1 Filettatura unificata passo fine ASME B1.1 Unified fine thread ASME B1.1							KPL/2		F	
<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">HSS</div> <div style="border: 1px solid black; padding: 2px;">DIN 2181</div> </div>										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSS		HSS	
Beschichtung / Rivestimento / Coating										
Anschnitt / Imbocco / Chamfer									C-2P	
UNF Ø d _{r-P}	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352		
							Tol.	2B	2B	
							INDEX	RKA1- 230001	RKA1- 233001	
No 5-44	42	10	18	3,5	2,7	2,7	○	○		
No 6-40	45	11	18	4	3	2,95	○	○		
No 8-36	48	12	23	4,5	3,4	3,5	○	○		
No 10-32	52	14	22	6	4,9	4,1	★	★		
No 12-28	56	16	24	6	4,9	4,6	○	○		
1/4-28	56	16	24	6	4,9	5,5	★	★		
5/16-24	63	17	-	6	4,9	6,9	○	○		
3/8-24	63	18	-	7	5,5	8,5	★	★		
7/16-20	70	22	-	8	6,2	9,9	★	★		
1/2-20	70	20	-	9	7	11,5	★	★		
9/16-18	80	20	-	12	9	12,9	★	★		
5/8-18	80	22	-	12	9	14,5	○	○		
3/4-16	80	22	-	14	11	17,5	★	★		
7/8-14	80	22	-	18	14,5	20,4	○	○		
1-12	90	22	-	18	14,5	23,25	★	★		
1.1/8-12	90	22	-	22	18	26,5	○	○		
1.1/4-12	90	22	-	22	18	29,5	○	○		
1.3/8-12	125	36	-	28	22	32,75	○	○		
1.1/2-12	125	36	-	28	22	36	○	○		

Esempio di un ordine : RKA1-220001-4210 = HAND TAP No 10-32 UNF 2B DIN-2181 HSS

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

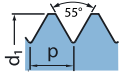
○ = auf Anfrage - A richiesta - On request



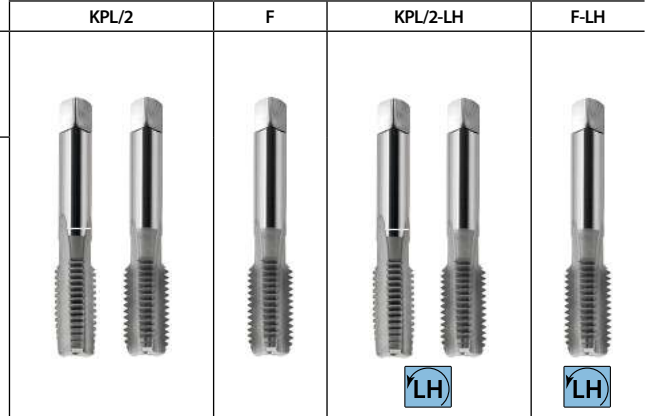
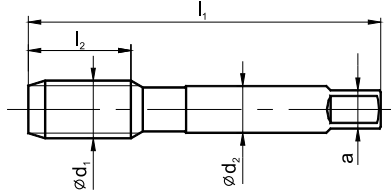
**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**



Whitworth-Rohrgewinde DIN EN ISO 228
Filettatura gas Whitworth DIN EN ISO 228
Whitworth pipe thread DIN EN ISO 228



HSS **DIN 5157**



Materialgruppen / Gruppi di materiali / Material groups

P **P** **P** **P**

Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

<2,5d HSS HSS HSS HSS

Beschichtung / Rivestimento / Coating

C-2P C-2P

Anschnitt / Imbocco / Chamfer

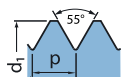
G Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm Tol.	DIN 5157			
								INDEX			
								RKA1-220001	RKA1-222001	RKA1-260001	RKA1-262001
G1/16	56	22	26	6	4,9	6,8	3121	○	○	○	○
G1/8	63	20	27	7	5,5	8,8	3123	⊛	⊛	○	○
G1/4	70	22	32	11	9	11,8	3127	⊛	⊛	○	○
G3/8	70	22	32	12	9	15,25	3129	⊛	⊛	⊛	⊛
G1/2	80	22	35	16	12	19	3131	⊛	⊛	⊛	⊛
G5/8	80	22	-	18	14,5	21	3133	⊛	⊛	○	○
G3/4	90	22	-	20	16	24,5	3135	⊛	⊛	⊛	⊛
G7/8	90	22	-	22	18	28,25	3137	⊛	⊛	○	○
G1	100	25	-	25	20	30,75	3139	⊛	⊛	⊛	⊛
G1.1/8	125	36	-	28	22	35,5	3141	○	○	○	○
G1.1/4	125	36	-	32	24	39,5	3143	⊛	⊛	○	○
G1.3/8	125	36	-	36	29	41,75	3145	○	○	○	○
G1.1/2	140	40	-	36	29	45,25	3147	⊛	⊛	○	○
G1.3/4	140	40	-	40	32	51	3151	○	○	○	○
G2	160	40	-	45	35	57	3155	○	○	○	○

Esempio di un ordine : RKA1-22001-3123 = HAND TAP -1/8" DIN-5157 HSS

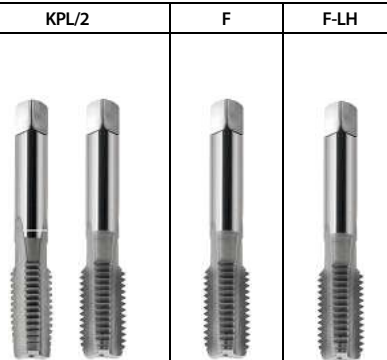
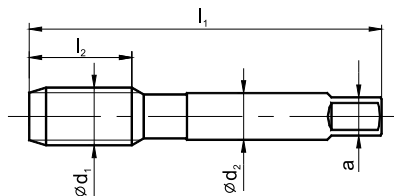
⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
Filettatura gas Whitworth DIN EN ISO 228
Whitworth pipe thread DIN EN ISO 228

INOX



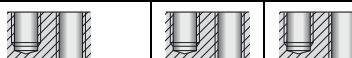
**HSSE
PM** **DIN
5157**



Materialgruppen / Gruppi di materiali / Material groups



Lochtyp / Tipo di foro / Hole type



Materialqualität / Qualità del materiale / Quality of material

HSSE-PM HSSE-PM HSSE-PM

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

C-2P C-2P

G Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 5157		
							Tol.			
							INDEX	RKA2-225801	RKA2-205801	RKA2-202801
G-1/8"	63	18	-	7	5,5	8,8	3123	○	○	○
G-1/4"	70	22	-	11	9	11,8	3127	○	○	○
G-3/8"	70	22	-	12	9	15,25	3129	○	○	○
G-1/2"	80	22	-	16	12	19	3131	○	○	○

Esempio di un ordine : RKA2-225801-3123 = HAND TAP G-1/8" DIN-5157 HSSE-PM

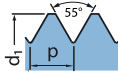



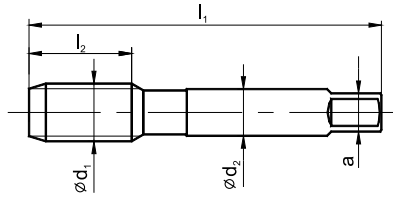


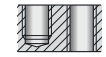
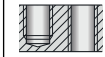

☺ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**HAND-GEWINDEBOHRER
MASCHI A MANO
HAND TAPS**



Whitworth-Rohrgewinde DIN EN ISO 228 Filettatura gas Whitworth DIN EN ISO 228 Whitworth pipe thread DIN EN ISO 228							HRC40			
   							KPL/2		F	
										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSSE-PM		HSSE-PM	
Beschichtung / Rivestimento / Coating										
Anschnitt / Imbocco / Chamfer									C-2P	
G Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		DIN 5157			
							Norm Tol.	INDEX		
G-1/8"	63	18	-	7	5,5	8,8	3123	⊛	⊛	
G-1/4"	70	22	-	11	9	11,8	3127	⊛	⊛	
G-3/8"	70	22	-	12	9	15,25	3129	⊛	⊛	
G-1/2"	80	22	-	16	12	19	3131	⊛	⊛	

Esempio di un ordine : RKA4-225D51-3123 = HAND TAP G-1/8" DIN-5157 HSSE-PM TC

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

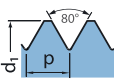




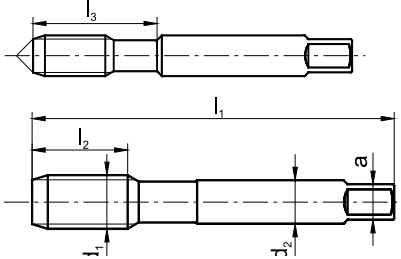





○ = auf Anfrage - A richiesta - On request

Whitworth Gewinde BS 84 Filettatura Whitworth BS 84 Whitworth thread BS 84							KPL/3		F	
<div style="display: flex; gap: 10px;"> <div style="border: 1px solid black; padding: 2px;">HSS</div> <div style="border: 1px solid black; padding: 2px;">DIN 352</div> </div>										
Materialgruppen / Gruppi di materiali / Material groups							P		P	
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSS		HSS	
Beschichtung / Rivestimento / Coating										
Anschnitt / Imbocco / Chamfer									C-2P	
BSW Ø d _r -P	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 352		
							Tol.	RKA1-230001	RKA1-233001	
INDEX										
1/8-40	42	10	18	3,5	2,7	2,55	7123	⊛	⊛	
3/16-24	52	14	26	6	4,9	3,7	7125	⊛	⊛	
1/4-20	56	16	27	6	4,9	5,1	7127	⊛	⊛	
5/16-18	63	20	-	6	4,9	6,5	7128	○	○	
3/8-16	70	22	-	7	5,5	7,9	7129	⊛	⊛	
7/16-14	70	22	-	8	6,2	9,25	7130	○	○	
1/2-12	80	25	-	9	7	10,5	7131	⊛	⊛	
9/16-12	80	26	-	11	9	12	7132	○	○	
5/8-11	80	27	-	12	9	13,5	7133	○	○	
3/4-10	95	30	-	14	11	16,4	7135	⊛	⊛	
7/8-9	100	32	-	18	14,5	19,25	7137	○	○	
1-8	110	36	-	18	14,5	22	7139	⊛	⊛	
1.1/8-7	125	40	-	22	18	24,75	7141	○	○	
1.1/4-7	125	40	-	22	18	27,75	7143	○	○	
1.1/2-6	150	50	-	28	22	33,5	7147	○	○	
1.3/4-5	160	58	-	36	29	39	7151	○	○	
2-4.1/2	180	70	-	40	32	44,5	7155	○	○	

Esempio di un ordine : RKA1-230001-7123 = HAND TAP 1/8-40 BSW DIN-352 HSS

⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Stahlpanzerrohr-Gewinde DIN40430 Filettatura per tubi in acciaio DIN 40430 Steel conduit thread DIN 40430							KPL/2		F	
  										
										
Materialgruppen / Gruppi di materiali / Material groups										
Lochtyp / Tipo di foro / Hole type							 <2,5d		 <2,5d	
Materialqualität / Qualità del materiale / Quality of material							HSS		HSS	
Beschichtung / Rivestimento / Coating										
Anschnitt / Imbocco / Chamfer									C-2P	
Pg Ø d ₁	l ₁	l ₂	l ₃	Ø d ₂	a		Norm	DIN 40430		
							Tol.			
							INDEX	RKA1-320001	RKA1-322001	
Pg7	65	18	-	9	7,1	11,35	8807	☼	☼	
Pg9	70	20	-	12,5	10	13,95	8809	☼	☼	
Pg11	75	22	-	16	12,5	17,35	8811	☼	☼	
Pg13,5	80	22	-	18	14	19,15	8813	☼	☼	
Pg16	85	22	-	20	16	21,25	8816	☼	☼	
Pg21	95	25	-	25	20	26,95	8821	☼	☼	
Pg29	105	28	-	31,5	25	35,6	8829	☼	☼	
Pg36	120	32	-	40	31,5	45,6	8836	○	○	
Pg42	130	36	-	40	31,5	52,6	8842	○	○	

Esempio di un ordine : RKA1-320001-8807 = HAND TAP Pg7 DIN-40430 HSS

☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

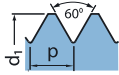


Schneideisen Filiere Dies





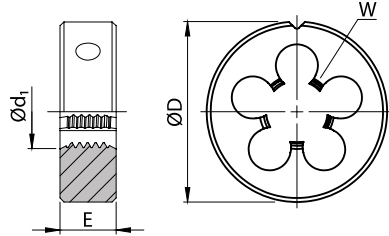
Metric ISO-Regelgewinde DIN 13
Filettatura metrica ISO passo grosso DIN 13
ISO Metric coarse thread DIN 13



HSS

HSSE

**DIN-EN
22568**



TOP

INOX



Materialgruppen / Gruppi di materiali / Material groups

P N

P M N

Ausführung / Esecuzione / Execution

SPN

Materialqualität / Qualità del materiale / Quality of material

HSS

HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

1,75P

2,25P

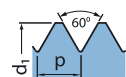
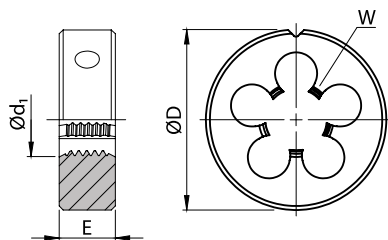
M Ø d ₁	ØDxE	W		Norm	DIN-EN 22568	
				Tol.	6g	6g
				INDEX	RKN1-121001	RKN2-188001
M 1	16 x 5	3	0,96	0010	★	-
M 1,1	16 x 5	3	1,05	0011	★	-
M 1,2	16 x 5	3	1,15	0012	★	-
M 1,4	16 x 5	3	1,35	0014	★	-
M 1,6	16 x 5	3	1,55	0016	★	-
M 1,8	16 x 5	3	1,75	0018	★	-
M 2	16 x 5	3	1,95	0020	★	-
M 2,2	16 x 5	3	2,15	0022	★	-
M 2,5	16 x 5	3	2,42	0025	★	-
M 3	20 x 5	3	2,92	0030	★	★
M 3,5	20 x 5	3	3,41	0035	★	○
M 4	20 x 5	3	3,9	0040	★	★
M 4,5	20 x 7	3	4,4	0045	★	○
M 5	20 x 7	3	4,9	0050	★	★
M 6	20 x 7	4	5,88	0060	★	★
M 7	25 x 9	4	6,88	0070	★	○
M 8	25 x 9	4	7,86	0080	★	★
M 9	25 x 9	4	8,86	0090	★	○
M 10	30 x 11	4	9,85	0100	★	★
M 11	30 x 11	4	10,85	0110	★	○
M 12	38 x 14	4	11,83	0120	★	★
M 14	38 x 14	4	13,82	0140	★	★
M 16	45 x 18	5	15,82	0160	★	★
M 18	45 x 18	5	17,79	0180	★	★
M 20	45 x 18	5	19,79	0200	★	★
M 22	55 x 22	5	21,79	0220	★	★
M 24	55 x 22	5	23,76	0240	★	★
M 27	65 x 25	5	26,76	0270	★	★
M 30	65 x 25	6	29,73	0300	★	★
M 33	65 x 25	6	32,73	0330	★	○
M 36	65 x 25	7	35,7	0360	★	○
M 39	75 x 30	7	38,7	0390	★	○
M 42	75 x 30	7	41,68	0420	★	○
M 45	90 x 36	7	44,68	0450	★	○
M 48	90 x 36	7	47,66	0480	★	○
M 52	90 x 36	8	51,66	0520	★	○

Esempio di un ordine : RKN1-118M61-0080 = DIE M8-6HX DIN-EN 22568 HSS

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
Filettatura metrica ISO passo fine DIN 13
ISO Metric fine thread DIN 13


HSS
HSSE
**DIN-EN
22568**

TOP
INOX

Materialgruppen / Gruppi di materiali / Material groups
P N
P M N
Ausführung / Esecuzione / Execution
SPN
Materialqualität / Qualità del materiale / Quality of material
HSS
HSSE
Beschichtung / Rivestimento / Coating
Anschnitt / Imbocco / Chamfer
1,75P
2,25P

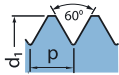
MF Ø d ₁ xP	ØDxE	W		Norm	DIN-EN 22568	
				Tol.	6g	6g
				INDEX	RKN1-121001	RKN2-188001
M 3,5 x 0,5	20 x 5	3	3,43	0037	○	○
M 4 x 0,5	20 x 5	4	3,92	0041	★	★
M 5 x 0,5	20 x 5	4	4,92	0051	★	★
M 5 x 0,75	20 x 5	4	4,91	0052	○	○
M 6 x 0,5	20 x 5	4	5,92	0061	★	★
M 6 x 0,75	20 x 7	4	5,9	0062	★	★
M 7 x 0,75	25 x 9	4	6,9	0072	★	★
M 8 x 0,5	25 x 9	4	7,92	0081	★	★
M 8 x 0,75	25 x 9	4	7,9	0082	★	★
M 8 x 1	25 x 9	4	7,88	0083	★	★
M 9 x 0,75	25 x 9	4	8,9	0092	★	★
M 9 x 1	25 x 9	4	8,88	0093	★	★
M 10 x 0,75	30 x 11	4	9,9	0102	★	★
M 10 x 1	30 x 11	5	9,88	0103	★	★
M 10 x 1,25	30 x 11	4	9,86	0104	★	★
M 11 x 0,75	30 x 11	5	10,91	0112	★	★
M 11 x 1	30 x 11	4	10,88	0113	★	★
M 12 x 1	38 x 10	4	11,88	0123	★	★
M 12 x 1,25	38 x 10	4	11,86	0124	★	★
M 12 x 1,5	38 x 10	4	11,85	0125	★	★
M 14 x 1	38 x 10	5	13,88	0143	★	★
M 14 x 1,5	38 x 10	5	13,85	0145	★	★
M 15 x 1	38 x 10	5	14,88	0153	★	★
M 15 x 1,5	38 x 10	5	14,85	0155	★	★
M 16 x 1	45 x 14	5	15,88	0163	★	★
M 16 x 1,5	45 x 14	5	15,85	0165	★	★
M 17 x 1	45 x 14	5	16,88	0173	★	★
M 17 x 1,5	45 x 14	5	16,85	0175	★	★
M 18 x 1	45 x 14	5	17,88	0183	★	★
M 18 x 1,5	45 x 14	5	17,85	0185	★	★
M 18 x 2	45 x 14	5	17,82	0186	★	★
M 20 x 1	45 x 14	6	19,8	0203	★	★
M 20 x 1,5	45 x 14	6	19,85	0205	★	★
M 20 x 2	45 x 14	6	19,82	0206	★	★
M 22 x 1	55 x 16	6	21,88	0223	★	★
M 22 x 1,5	55 x 16	6	21,85	0225	★	★
M 22 x 2	55 x 16	6	21,82	0226	★	★

Esempio di un ordine : RKN1-121001-0041 = DIE M4x0,5-6g DIN-EN 22568 HSS TOP

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

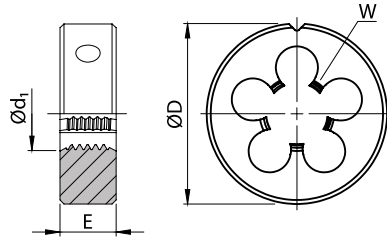
Metric ISO-Fine thread DIN 13
Filettatura metrica ISO passo fine DIN 13
ISO Metric fine thread DIN 13



HSS

HSSE

DIN-EN
22568



TOP

INOX



Materialgruppen / Gruppi di materiali / Material groups

P N

P M N

Ausführung / Esecuzione / Execution

SPN

Materialqualität / Qualità del materiale / Quality of material

HSS

HSSE

Beschichtung / Rivestimento / Coating

1,75P

2,25P

Anschnitt / Imbocco / Chamfer

DIN-EN 22568

MF Ø d ₁ xP	ØDxE	W		Norm	DIN-EN 22568	
				Tol.	6g	6g
				INDEX	RKN1-121001	RKN2-188001
M 24 x 1	55 x 16	6	23,88	0243	★	★
M 24 x 1,5	55 x 16	6	23,85	0245	★	★
M 24 x 2	55 x 16	6	23,82	0246	★	○
M 25 x 1	55 x 16	6	24,88	0253	★	○
M 25 x 1,5	55 x 16	6	24,85	0255	★	○
M 25 x 2	55 x 16	6	24,82	0256	★	○
M 26 x 1,5	55 x 16	6	25,85	0265	★	○
M 27 x 1	65 x 18	6	26,88	0273	★	○
M 27 x 1,5	65 x 18	6	26,85	0275	★	○
M 27 x 2	65 x 18	6	26,82	0276	★	○
M 28 x 1	65 x 18	6	27,88	0283	★	○
M 28 x 1,5	65 x 18	6	27,85	0285	★	○
M 28 x 2	65 x 18	6	27,82	0286	★	○
M 30 x 1	65 x 18	6	29,88	0303	★	○
M 30 x 1,5	65 x 18	6	29,85	0305	★	○
M 30 x 2	65 x 18	6	29,82	0306	★	○
M 32 x 1,5	65 x 18	7	31,85	0325	★	○
M 32 x 2	65 x 18	7	31,82	0326	★	○
M 33 x 1,5	65 x 18	7	32,85	0335	★	○
M 33 x 2	65 x 18	7	32,82	0336	★	○
M 35 x 1,5	65 x 18	7	34,85	0355	★	○
M 36 x 1,5	65 x 18	7	35,85	0365	★	○
M 36 x 2	65 x 18	7	35,82	0366	★	○
M 38 x 1,5	75 x 20	7	37,85	0385	★	○
M 39 x 1,5	75 x 20	7	38,85	0395	★	○
M 39 x 2	75 x 20	7	38,82	0396	★	○
M 40 x 1,5	75 x 20	7	39,85	0405	★	○
M 40 x 2	75 x 20	7	39,82	0406	★	○
M 42 x 1,5	75 x 20	7	41,85	0425	★	○
M 42 x 2	75 x 20	8	41,82	0426	★	○
M 45 x 1,5	90 x 22	7	44,85	0455	★	○
M 45 x 2	90 x 22	7	44,82	0456	★	○
M 48 x 1,5	90 x 22	7	47,85	0485	★	○
M 48 x 2	90 x 22	7	47,82	0486	★	○
M 50 x 1,5	90 x 22	8	49,85	0505	★	○
M 50 x 2	90 x 22	8	49,82	0506	★	○
M 52 x 1,5	90 x 22	8	51,85	0525	★	○
M 52 x 2	90 x 22	8	51,82	0526	★	○

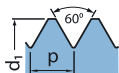
Esempio di un ordine : RKN1-121001-0285 = DIE M28x1,5-6g DIN-EN 22568 HSS TOP

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

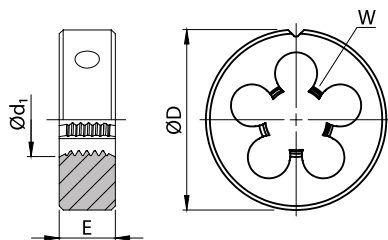
Unified-Grobgewinde ASME B1.1
Filettatura unificata passo grosso ASME B1.1
Unified coarse thread ASME B1.1

TOP



HSS

**DIN-EN
22568**



Materialgruppen / Gruppi di materiali / Material groups

PIN

Ausführung / Esecuzione / Execution


Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

1,75P

UNC Ø d ₁ -P	ØDxE	W		Norm	1,75P
				Tol.	DIN-EN 22568
				INDEX	2A
No 5 - 40	20 x 5	3	3,09	4105	★
No 6 - 32	20 x 5	3	3,41	4106	★
No 8 - 32	20 x 7	3	4,07	4108	★
No 10 - 24	20 x 7	3	4,71	4110	★
No 12 - 24	20 x 7	4	5,37	4112	★
1/4 - 20	20 x 7	4	6,22	4127	★
5/16 - 18	25 x 9	4	7,8	4128	★
3/8 - 16	30 x 11	4	9,37	4129	★
7/16 - 14	30 x 11	4	10,95	4130	★
1/2 - 13	38 x 14	4	12,52	4131	★
9/16 - 12	38 x 14	4	14,1	4132	★
5/8 - 11	45 x 18	5	15,68	4133	★
3/4 - 10	45 x 18	5	18,84	4135	★
7/8 - 9	55 x 22	5	22	4137	★
1 - 8	55 x 22	5	25,16	4139	★
1.1/8 - 7	65 x 25	5	28,31	4141	○
1.1/4 - 7	65 x 25	6	31,49	4143	○
1.3/8 - 6	65 x 25	7	34,63	4145	○
1.1/2 - 6	75 x 30	6	37,8	4147	○
1.3/4 - 5	90 x 36	6	44,12	4151	○
2 - 4.1/2	90 x 36	7	50,45	4155	○

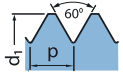



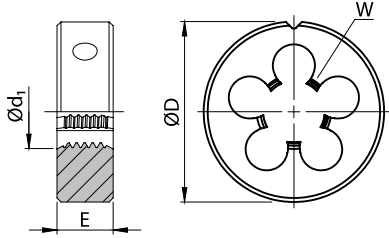


Esempio di un ordine : RKN1-121001-4128 = DIE 5/16-18 UNC-2A DIN-EN 22568 HSS TOP

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Unified-Feingewinde ASME B1.1 Filettatura unificata passo fine ASME B1.1 Unified fine thread ASME B1.1	TOP
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Materialgruppen / Gruppi di materiali / Material groups	P N
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Ausführung / Esecuzione / Execution	
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Materialqualität / Qualità del materiale / Quality of material	HSS
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Beschichtung / Rivestimento / Coating	
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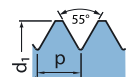
Anschnitt / Imbocco / Chamfer	1,75P
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UNF Ø d ₁ -P	ØDxE	W		Norm	1,75P
				Tol.	DIN-EN 22568
				INDEX	RKN1-121001
No 5 - 44	20 x 5	3	3,1	4205	★
No 6 - 40	20 x 5	3	3,42	4206	★
No 8 - 36	20 x 7	3	4,08	4208	★
No 10 - 32	20 x 7	3	4,73	4210	★
No 12 - 28	20 x 7	4	5,38	4212	★
1/4 - 28	20 x 7	4	6,24	4227	★
5/16 - 24	25 x 9	5	7,82	4228	★
3/8 - 24	30 x 11	4	9,41	4229	★
7/16 - 20	30 x 11	5	10,98	4230	★
1/2 - 20	38 x 10	5	12,56	4231	★
9/16 - 18	38 x 10	5	14,14	4232	★
5/8 - 18	45 x 14	5	15,73	4233	★
3/4 - 16	45 x 14	6	18,89	4235	★
7/8 - 14	55 x 16	5	22,05	4237	★
1 - 12	55 x 16	6	25,21	4239	★
1.1/8 - 12	65 x 18	6	28,38	4241	○
1.1/4 - 12	65 x 18	6	31,55	4243	○
1.3/8 - 12	65 x 18	7	34,73	4245	○
1.1/2 - 12	75 x 20	8	37,9	4247	○

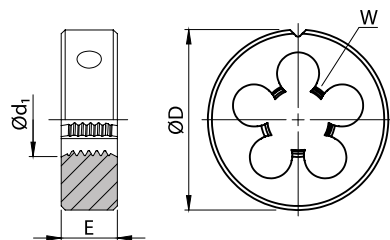
Esempio di un ordine : RKN1-121001-4228 = DIE 5/16-24 UNF-2A DIN-EN 22568 HSS TOP

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
Filettatura gas Whitworth DIN EN ISO 228
Whitworth pipe thread DIN EN ISO 228



HSS **HSSE** **DIN-EN 22568**



TOP

INOX



Materialgruppen / Gruppi di materiali / Material groups

P N

P M N

Ausführung / Esecuzione / Execution

SPN

Materialqualität / Qualità del materiale / Quality of material

HSS


HSSE

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

1,75P

2,25P

G Ø d ₁	ØDxE	W		Norm	DIN-EN 22568	
				Tol.	6g	6g
				INDEX	RKN1-121001	RKN2-188001
G1/8	30 x 11	4	9,62	3123	⊛	○
G1/4	38 x 10	4	13,03	3127	⊛	⊛
G3/8	45 x 14	5	16,54	3129	⊛	⊛
G1/2	45 x 14	6	20,81	3131	⊛	⊛
G5/8	55 x 16	5	22,77	3133	⊛	○
G3/4	55 x 16	6	26,3	3135	⊛	⊛
G7/8	65 x 18	6	30,06	3137	⊛	○
G1	65 x 18	7	33,07	3139	⊛	⊛
G1.1/8	75 x 20	7	37,72	3141	○	○
G1.1/4	75 x 20	8	41,73	3143	⊛	○
G1.3/8	90 x 22	7	44,14	3145	○	○
G1.1/2	90 x 22	7	47,62	3147	⊛	○
G1.3/4	105 x 22	8	53,57	3151	○	○
G2	105 x 22	8	59,43	3155	○	○
G2.1/4	120 x 22	8	65,49	3157	○	○



Esempio di un ordine : RKN1-121001-3143 = DIE G-1.1/4" DIN-EN 22568 HSS TOP

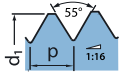
⊛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



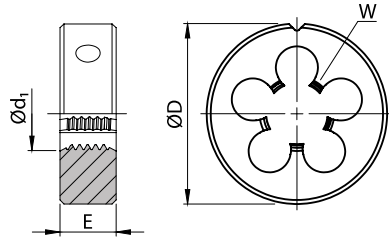
Whitworth-Rohrgewinde DIN 2999 - Aussengewinde kegelig
Filettatura per tubi Whitworth DIN 2999 - Filettatura esterna conica
Whitworth pipe thread DIN 2999 - External taper thread

TOP



HSS

**DIN-EN
24230**



Materialgruppen / Gruppi di materiali / Material groups

P N

Ausführung / Esecuzione / Execution

Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

2P

R Ø d ₁ -P	ØDxE	W		Norm	DIN-EN 24230
				Tol.	2A
				INDEX	RKN1-121001
R-1/8"	30 x 11	5	9,48	3423	★
R-1/4"	38 x 14	5	12,78	3427	★
R-3/8"	45 x 18	5	16,26	3429	★
R-1/2"	55 x 22	5	20,44	3431	★
R-3/4"	55 x 22	6	25,85	3435	★
R-1"	65 x 25	7	32,6	3439	★

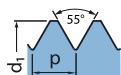
Esempio di un ordine : RKN1-121001-3427 = DIE -1/4" DIN-EN 22568 HSS TOP

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

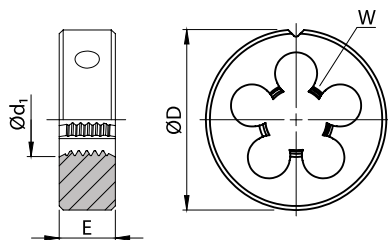
Whitworth Gewinde BS 84
Filettatura Whitworth BS 84
Whitworth thread BS 84

TOP



HSS

**DIN-EN
24230**



Materialgruppen / Gruppi di materiali / Material groups

P N

Ausführung / Esecuzione / Execution


Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

2P

BSW Ø d ₁ -P	ØDxE	W		Norm	INDEX
				Tol.	
				DIN-EN 24230	
					RKN1-121001
1/8 - 40	20 x 5	3	3,09	7123	☼
3/16 - 24	20 x 7	4	4,66	7125	☼
1/4 - 20	20 x 7	4	6,24	7127	☼
5/16 - 18	25 x 9	4	7,82	7128	☼
3/8 - 16	30 x 11	4	9,4	7129	☼
7/16 - 14	30 x 11	4	10,98	7130	☼
1/2 - 12	38 x 14	4	12,56	7131	☼
9/16 - 12	38 x 14	4	14,14	7132	☼
5/8 - 11	45 x 18	5	15,72	7133	☼
3/4 - 10	45 x 18	5	18,89	7135	☼
7/8 - 9	55 x 22	5	22,1	7137	☼
1 - 8	55 x 22	5	25,27	7139	☼

Esempio di un ordine : RKN1-121001-7131 = DIE 1/2-12 BSW DIN-EN 22568 HSS TOP

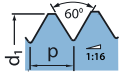
☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



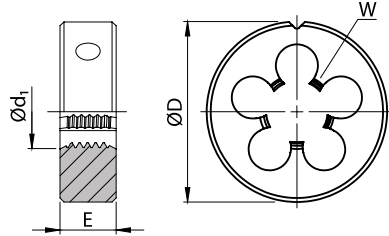
WHITWORTH-ROHRGEWINDE DIN 2999 - AUSSENGEWINDE KEGELIG
FILETTATURA PER TUBI WHITWORTH DIN 2999 - FILETTATURA ESTERNA CONICA
WHITWORTH PIPE THREAD DIN 2999 - EXTERNAL TAPER THREAD

TOP



HSS

**DIN-EN
24230**



Materialgruppen / Gruppi di materiali / Material groups

P N

Ausführung / Esecuzione / Execution


Materialqualität / Qualità del materiale / Quality of material

HSS

Beschichtung / Rivestimento / Coating

Anschnitt / Imbocco / Chamfer

2P

R Ø d ₁ -P	ØDxE	W		Norm	DIN-EN 24230
				Tol.	
				INDEX	RKN1-121001
1/8-27	30 x 11	5	9,99	4623	★
1/4-18	38 x 14	5	13,26	4627	★
3/8-18	45 x 18	5	16,67	4629	★
1/2-14	45 x 18	6	20,71	4631	★
3/4-14	50 x 22	6	26,03	4635	★
1-11.1/2	65 x 25	7	32,59	4639	★

Esempio di un ordine : RKN1-121001-4627 = DIE 1/4" NPT DIN-EN 22568 HSS TOP

☉ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



Gewindelehرداری و Messringe
Tamponi filettati ed anelli di misura
Threaded plug gauges and measuring rings





**GRENZLEHRDORNE
TAMPONI LISCI PASA-NON PASA
PLAIN PLUG GAUGES GO-NONGO**



Zeichen / Simbolo / Symbol		MSBa	MSBa
Typ / Tipo / Type		GO / NO GO	GO / NO GO
Ø nom.	Tol.	H7	H8
	INDEX	RKS3-100111	RKS3-100112
1	0010	☒	○
1,2	0012	☒	○
1,5	0015	☒	○
1,8	0018	☒	○
2	0020	☒	○
2,2	0022	☒	○
2,5	0025	☒	○
2,8	0028	☒	○
3	0030	☒	○
3,5	0035	○	○
4	0040	☒	○
4,5	0045	○	○
5	0050	☒	○
6	0060	☒	○
7	0070	○	○
8	0080	☒	○
9	0090	○	○
10	0100	☒	○
12	0120	☒	○
14	0140	☒	○
16	0160	☒	○
18	0180	☒	○
20	0200	☒	○
22	0220	☒	○
24	0240	☒	○
25	0250	☒	○
26	0260	☒	○
27	0270	○	○
28	0280	☒	○
30	0300	☒	○
32	0320	☒	○
33	0330	☒	○
34	0340	☒	○
35	0350	☒	○
36	0360	☒	○
37	0370	☒	○
38	0380	☒	○
40	0400	☒	○
42	0420	☒	○
44	0440	○	○
45	0450	☒	○
46	0460	○	○
47	0470	☒	○
48	0480	○	○
50	0500	☒	○
52	0520	○	○

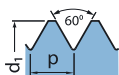
Esempio di un ordine : RK3-00111-0100 = MSBa 10-H7

☒ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



**GRENZLEHRDORNE
TAMPONI LISCI PASA-NON PASA
PLAIN PLUG GAUGES GO-NONGO**

Metrisches ISO-Regelgewinde DIN 13
Filettatura metrica ISO passo grosso DIN 13
ISO Metric coarse thread DIN 13



Zeichen / Simbolo / Symbol MSBa

Typ / Tipo / Type GO / NOGO

Toleranz / Limit / Tolleranza **6H**

M	P	Minor thread diameter (6H)		Tol.	
		min.	max.	INDEX	RKS3-100161
M 3	0,5	2,459	2,599	0030	☒
M 3,5	0,6	2,85	3,01	0035	○
M 4	0,7	3,242	3,422	0040	☒
M 4,5	0,75	3,688	3,878	0045	○
M 5	0,8	4,134	4,334	0050	☒
M 6	1	4,917	5,153	0060	☒
M 7	1	5,917	6,153	0070	○
M 8	1,25	6,647	6,912	0080	☒
M 9	1,25	7,647	7,912	0090	○
M 10	1,5	8,376	8,676	0100	☒
M 12	1,75	10,106	10,441	0120	☒
M 14	2	11,835	12,21	0140	○
M 16	2	13,835	14,21	0160	☒
M 18	2,5	15,294	15,744	0180	☒
M 20	2,5	17,294	17,744	0200	○
M 22	2,5	19,294	19,744	0220	○

Zeichen / Simbolo / Symbol MSBa

Typ / Tipo / Type GO / NOGO

Toleranz / Limit / Tolleranza **6G**

M	P	Minor thread diameter (6G)		Tol.	
		min.	max.	INDEX	RKS3-100162
M 3	0,5	2,479	2,619	0030	○
M 3,5	0,6	2,871	3,031	0035	○
M 4	0,7	3,264	3,444	0040	○
M 4,5	0,75	3,71	3,9	0045	○
M 5	0,8	4,158	4,358	0050	○
M 6	1	4,943	5,179	0060	○
M 7	1	5,943	6,179	0070	○
M 8	1,25	6,675	6,94	0080	○
M 9	1,25	7,675	7,94	0090	○
M 10	1,5	8,408	8,708	0100	○
M 12	1,75	10,14	10,475	0120	○
M 14	2	11,873	12,248	0140	○
M 16	2	13,873	14,248	0160	○
M 18	2,5	15,336	15,786	0180	○
M 20	2,5	17,336	17,786	0200	○
M 22	2,5	19,336	19,786	0220	○

Esempio di un ordine : RKS1-100161-0100 = SBa 10-H7

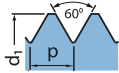
☒ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



**GRENZLEHRDORNE
TAMPONI LISCI PASA-NON PASA
PLAIN PLUG GAUGES GO-NONGO**

Metrisches ISO-Regelgewinde DIN 13
Filettatura metrica ISO passo grosso DIN 13
ISO Metric coarse thread DIN 13



Zeichen / Simbolo / Symbol					MSBa
Typ / Tipo / Type					GO / NOGO
Toleranz / Limit / Tolleranza					6H
MF	P	Minor thread diameter (6H)		Tol.	RKS3-100161
		min.	max.	INDEX	
M 8 x 0,5	0,5	7,459	7,599	0081	○
M 8 x 0,75	0,75	7,188	7,378	0082	○
M 8 x 1	1	6,917	7,153	0083	⊕
M 9 x 1	1	7,917	8,153	0093	○
M 10 x 0,75	0,75	9,188	9,378	0102	○
M 10 x 1	1	8,917	9,153	0103	⊕
M 10 x 1,25	1,25	8,647	8,912	0104	○
M 11 x 1	1	9,917	10,153	0113	○
M 12 x 1	1	10,917	11,153	0123	○
M 12 x 1,25	1,25	10,647	10,912	0124	○
M 12 x 1,5	1,5	10,376	10,676	0125	⊕
M 13 x 1	1	11,917	12,153	0133	○
M 14 x 1	1	12,917	13,153	0143	○
M 14 x 1,25	1,25	12,647	12,912	0144	○
M 14 x 1,5	1,5	12,376	12,676	0145	⊕
M 15 x 1	1	13,917	14,153	0153	○
M 15 x 1,5	1,5	13,376	13,676	0155	○
M 16 x 1	1	14,917	15,153	0163	○
M 16 x 1,5	1,5	14,376	14,676	0165	⊕
M 18 x 1	1	16,917	17,153	0183	○
M 18 x 1,5	1,5	16,376	16,676	0185	○
M 18 x 2	2	15,835	16,21	0186	○
M 20 x 1	1	18,917	19,153	0203	○
M 20 x 1,5	1,5	18,376	18,676	0205	⊕
M 20 x 2	2	17,835	18,21	0206	○
M 22 x 1	1	20,917	21,153	0223	○
M 22 x 1,5	1,5	20,376	20,676	0225	○
M 22 x 2	2	19,835	20,21	0226	○

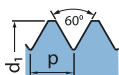
Zeichen / Simbolo / Symbol					MSBa
Typ / Tipo / Type					GO / NOGO
Toleranz / Limit / Tolleranza					6G
		Minor thread diameter (6G)		Tol.	RKS3-100162
		min.	max.	INDEX	
		7,479	7,619	0081	○
		7,21	7,4	0082	○
		6,943	7,179	0083	○
		7,943	8,179	0093	○
		9,21	9,4	0102	○
		8,943	9,179	0103	○
		8,675	8,94	0104	○
		9,943	10,179	0113	○
		10,943	11,179	0123	○
		10,675	10,94	0124	○
		10,408	10,708	0125	○
		11,943	12,179	0133	○
		12,943	13,179	0143	○
		12,675	12,94	0144	○
		12,408	12,708	0145	○
		13,943	14,179	0153	○
		13,408	13,708	0155	○
		14,943	15,179	0163	○
		14,408	14,708	0165	○
		16,943	17,179	0183	○
		16,408	16,708	0185	○
		15,873	16,248	0186	○
		18,943	19,179	0203	○
		18,408	18,708	0205	○
		17,873	18,248	0206	○
		20,943	21,179	0223	○
		20,408	20,708	0225	○
		19,873	20,248	0226	○

Esempio di un ordine : RKS1-100161-0100 MSBa 10-H7

⊕ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Regelgewinde DIN 13
 Filettatura metrica ISO passo grosso DIN 13
 ISO Metric coarse thread DIN 13

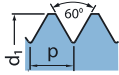


Zeichen / Simbolo / Symbol			MSBg	MSBg-LH	MSBg	MSRh	MSrk
Typ / Tipo / Type			GO / NOGO	GO / NOGO	GO / NOGO	GO	NOGO
Tolleranz / Limit / Tolleranza			6H	6H-LH	6G	6g	6g
M	P	Tol.	6H	LH - 6H	6G	6g	6g
		INDEX	RKS3-302161	RKS3-301161	RKS3-302162	RKY3-412162	RKY3-422162
M 1	0,25	0010	★	○	○	★	★
M 1,2	0,25	0012	★	○	○	★	★
M 1,4	0,3	0014	★	○	○	★	★
M 1,6	0,35	0016	★	○	○	★	★
M 1,7	0,35	0017	★	○	○	★	★
M 1,8	0,35	0018	★	○	○	★	★
M 2	0,4	0020	★	○	○	★	★
M 2,2	0,45	0022	★	○	○	★	★
M 2,5	0,45	0025	★	○	○	★	★
M 2,6	0,45	0026	★	○	○	★	★
M 3	0,5	0030	★	★	○	★	★
M 3,5	0,6	0035	★	○	○	★	★
M 4	0,7	0040	★	★	○	★	★
M 4,5	0,75	0045	★	○	○	★	★
M 5	0,8	0050	★	★	○	★	★
M 6	1	0060	★	★	○	★	★
M 7	1	0070	★	○	○	★	★
M 8	1,25	0080	★	★	○	★	★
M 9	1,25	0090	★	○	○	★	★
M 10	1,5	0100	★	★	○	★	★
M 12	1,75	0120	★	★	○	★	★
M 14	2	0140	★	★	○	★	★
M 16	2	0160	★	★	○	★	★
M 18	2,5	0180	★	★	○	★	★
M 20	2,5	0200	★	★	○	★	★
M 22	2,5	0220	★	★	○	★	★
M 24	3	0240	★	★	○	★	★
M 27	3	0270	★	★	○	★	★
M 30	3,5	0300	★	★	○	★	★
M 33	3,5	0330	★	★	○	★	★
M 36	4	0360	★	★	○	★	★
M 39	4	0390	★	○	○	★	★
M 42	4,5	0420	★	○	○	★	★
M 45	4,5	0450	★	○	○	★	★
M 48	5	0480	★	○	○	★	★
M 52	5	0520	★	○	○	★	★

Esempio di un ordine : RKS3-302161-0030 MSBg M3-6H

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13

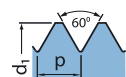


Zeichen / Simbolo / Symbol			MSBg	MSBg-LH	MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO / NOGO	GO / NOGO	GO	NOGO
Toleranz / Limit / Tolleranza			6H	6H-LH	6G	6g	6g
MF	P	Tol.	6H	LH - 6H	6G	6g	6g
		INDEX	RKS3-302161	RKS3-301161	RKS3-302162	RKY3-412162	RKY3-422162
M 3 x 0,35	0,35	0031	○	○	○	○	○
M 3,5 x 0,35	0,35	0036	○	○	○	○	○
M 4 x 0,35	0,35	0043	○	○	○	○	○
M 4x0,5	0,5	0041	○	○	○	○	○
M 4,5 x 0,5	0,5	0046	○	○	○	○	○
M 5 x 0,5	0,5	0051	○	○	○	○	○
M 6 x 0,5	0,5	0061	○	○	○	○	○
M 6 x 0,75	0,75	0062	○	○	○	○	○
M 8 x 0,5	0,5	0081	○	○	○	○	○
M 8 x 0,75	0,75	0082	○	○	○	○	○
M 8 x 1	1	0083	⊗	⊗	○	⊗	⊗
M 9 x 1	1	0093	○	○	○	○	○
M 10 x 0,75	0,75	0102	○	○	○	○	○
M 10 x 1	1	0103	⊗	⊗	○	⊗	⊗
M 10 x 1,25	1,25	0104	⊗	⊗	○	⊗	⊗
M 11 x 1	1	0113	○	○	○	○	○
M 12 x 1	1	0123	⊗	⊗	○	⊗	⊗
M 12 x 1,25	1,25	0124	⊗	⊗	○	⊗	⊗
M 12 x 1,5	1,5	0125	⊗	⊗	○	⊗	⊗
M 13 x 1	1	0133	○	○	○	○	○
M 14 x 1	1	0143	○	○	○	○	○
M 14 x 1,25	1,25	0144	○	○	○	○	○
M 14 x 1,5	1,5	0145	⊗	⊗	○	⊗	⊗
M 15 x 1	1	0153	○	○	○	○	○
M 15 x 1,5	1,5	0155	○	○	○	○	○
M 16 x 1	1	0163	⊗	⊗	○	⊗	⊗
M 16 x 1,5	1,5	0165	⊗	⊗	○	⊗	⊗
M 18 x 1	1	0183	○	○	○	○	○
M 18 x 1,5	1,5	0185	⊗	⊗	○	⊗	⊗
M 18 x 2	2	0186	○	○	○	○	○
M 20 x 1	1	0203	⊗	⊗	○	⊗	⊗
M 20 x 1,5	1,5	0205	⊗	⊗	○	⊗	⊗
M 20 x 2	2	0206	○	○	○	○	○
M 22 x 1	1	0223	○	○	○	○	○
M 22 x 1,5	1,5	0225	⊗	⊗	○	⊗	⊗
M 22 x 2	2	0226	⊗	⊗	○	⊗	⊗
M 24 x 1	1	0243	○	○	○	○	○
M 24 x 1,5	1,5	0245	⊗	⊗	○	⊗	⊗
M 24 x 2	2	0246	⊗	○	○	○	○

Esempio di un ordine : RKS3-302162-0083 MSBg M8x1-6G

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Metrisches ISO-Feingewinde DIN 13
 Filettatura metrica ISO passo fine DIN 13
 ISO Metric fine thread DIN 13



Zeichen / Simbolo / Symbol			MSBg	MSBg-LH	MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO / NOGO	GO / NOGO	GO	NOGO
Tolleranz / Limit / Tolleranza			6H	6H-LH	6G	6g	6g
MF	P	Tol.	6H	LH - 6H	6G	6g	6g
		INDEX	RKS3-302161	RKS3-301161	RKS3-302162	RKY3-412162	RKY3-422162
M 25 x 1,5	1,5	0255	☼	○	○	○	○
M 26 x 1,5	1,5	0265	☼	○	○	○	○
M 27 x 1,5	1,5	0275	☼	○	○	○	○
M 27 x 2	2	0276	☼	○	○	○	○
M 28 x 1,5	1,5	0285	☼	○	○	○	○
M 28 x 2	2	0286	○	○	○	○	○
M 30 x 1	1	0303	○	○	○	○	○
M 30 x 1,5	1,5	0305	☼	○	○	○	○
M 30 x 2	2	0306	☼	○	○	○	○
M 32 x 1,5	1,5	0325	☼	○	○	○	○
M 33 x 1,5	1,5	0335	☼	○	○	○	○
M 33 x 2	2	0336	☼	○	○	○	○
M 33 x 3	3	0337	○	○	○	○	○
M 34 x 1,5	1,5	0345	○	○	○	○	○
M 35 x 1,5	1,5	0355	☼	○	○	○	○
M 36 x 1,5	1,5	0365	☼	○	○	○	○
M 36 x 2	2	0366	☼	○	○	○	○
M 36 x 3	3	0367	○	○	○	○	○
M 38 x 1,5	1,5	0385	☼	○	○	○	○
M 39 x 2	2	0396	☼	○	○	○	○
M 39 x 3	3	0397	○	○	○	○	○
M 40 x 1,5	1,5	0405	☼	○	○	○	○
M 40 x 2	2	0406	○	○	○	○	○
M 40 x 3	3	0407	○	○	○	○	○
M 42 x 1,5	1,5	0425	☼	○	○	○	○
M 42 x 2	2	0426	☼	○	○	○	○
M 42 x 3	3	0427	☼	○	○	○	○
M 45 x 1,5	1,5	0455	☼	○	○	○	○
M 45 x 2	2	0456	☼	○	○	○	○
M 45 x 3	3	0457	○	○	○	○	○
M 48 x 1,5	1,5	0485	☼	○	○	○	○
M 48 x 2	2	0486	☼	○	○	○	○
M 48 x 3	3	0487	☼	○	○	○	○
M 50 x 1,5	1,5	0505	○	○	○	○	○
M 50 x 2	2	0506	○	○	○	○	○
M 50 x 3	3	0507	○	○	○	○	○
M 52 x 1,5	1,5	0525	☼	○	○	○	○
M 52 x 2	2	0526	☼	○	○	○	○
M 52 x 3	3	0527	☼	○	○	○	○

Esempio di un ordine : RKY3-412162-0276 MSRh M27x2-6g

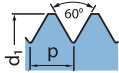
☼ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



GEWINDE GRENZ-LEHRDORN UND GEWINDE GUT-LEHRRING
TAMPONI FILETTATI ED ANELLI PASA-NON PASA
THREADS GO / NO GO GAUGE AND THREADS GO RING GAUGE



Unified-Grobgewinde ASME B1.1
 Filettatura unificata passo grosso ASME B1.1
 Unified coarse thread ASME B1.1

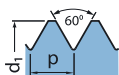


Zeichen / Simbolo / Symbol			MSBg	MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO / NOGO	GO	NOGO
Tolleranz / Limit / Tolleranza			2B	3B	2A	2A
UNC	P	Tol.	2B	3B	2A	2A
		INDEX	RKS3-302186	RKS3-302187	RKY3-412182	RKY3-422182
No 5 - 40	40	4105	⊗	○	○	○
No 6 - 32	32	4106	⊗	○	○	○
No 8 - 32	32	4108	⊗	○	○	○
No 10 - 24	24	4110	⊗	○	○	○
No 12 - 24	24	4112	⊗	○	○	○
1/4 - 20	20	4127	⊗	○	○	○
5/16 - 18	18	4128	⊗	○	○	○
3/8 - 16	16	4129	⊗	○	○	○
7/16 - 14	14	4130	⊗	○	○	○
1/2 - 13	13	4131	⊗	○	○	○
9/16 - 12	12	4132	⊗	○	○	○
5/8 - 11	11	4133	⊗	○	○	○
3/4 - 10	10	4135	⊗	○	○	○
7/8 - 9	9	4137	⊗	○	○	○
1 - 8	8	4139	⊗	○	○	○
1.1/8 - 7	7	4141	○	○	○	○
1.1/4 - 7	7	4143	○	○	○	○
1.3/8 - 6	6	4145	○	○	○	○
1.1/2 - 6	6	4147	○	○	○	○
1.3/4 - 5	5	4151	○	○	○	○
2 - 4.1/2	4.1/2	4155	○	○	○	○

Esempio di un ordine : RKS3-302187-4127 MSBg 1/4-20 UNC-3B

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Unified-Feingewinde ASME B1.1
 Filettatura unificata passo fine ASME B1.1
 Unified fine thread ASME B1.1

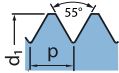


Zeichen / Simbolo / Symbol			MSBg	MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO / NOGO	GO	NOGO
Tolleranz / Limit / Tolleranza			2B	3B	2A	2A
UNF	P	Tol.				
		INDEX	RKS3-302186	RKS3-302187	RKY3-412182	RKY3-422182
No 5 - 44	44	4205	○	○	○	○
No 6 - 40	40	4206	○	○	○	○
No 8 - 36	36	4208	○	○	○	○
No 10 - 32	32	4210	○	○	○	○
No 12 - 28	28	4212	○	○	○	○
1/4 - 28	28	4227	★	○	○	○
5/16 - 24	24	4228	★	○	○	○
3/8 - 24	24	4229	★	○	○	○
7/16 - 20	20	4230	★	○	○	○
1/2 - 20	20	4231	★	○	○	○
9/16 - 18	18	4232	★	○	○	○
5/8 - 18	18	4233	★	○	○	○
3/4 - 16	16	4235	★	○	○	○
7/8 - 14	14	4237	★	○	○	○
1 - 12	12	4239	★	○	○	○
1.1/8 - 12	12	4241	○	○	○	○
1.1/4 - 12	12	4243	○	○	○	○
1.3/8 - 12	12	4245	○	○	○	○
1.1/2 - 12	12	4247	○	○	○	○

Esempio di un ordine : RKY3-422182-4235 MSRk 3/4-16 UNF-2A

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth-Rohrgewinde DIN EN ISO 228
 Filettatura gas Whitworth DIN EN ISO 228
 Whitworth pipe thread DIN EN ISO 228

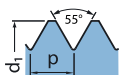


Zeichen / Simbolo / Symbol			MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO	NOGO
Toleranz / Limit / Tolleranza				A	A
G	P	Tol.		A	A
		INDEX	RKS3-302180	RKY3-412180	RKY3-422180
G-1/8"	28	3123	⊗	○	○
G-1/4"	19	3127	⊗	○	○
G-3/8"	19	3129	⊗	⊗	⊗
G-1/2"	14	3131	⊗	⊗	⊗
G-5/8"	14	3133	○	○	○
G-3/4"	14	3135	⊗	⊗	⊗
G-7/8"	14	3137	○	○	○
G-1"	11	3139	⊗	⊗	⊗
G-1.1/8"	11	3141	⊗	○	○
G-1.1/4"	11	3143	⊗	○	○

Esempio di un ordine : RKS3-302180-3127 MSBg G-1/4"

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request

Whitworth Gewinde BS 84
 Filettatura Whitworth BS 84
 Whitworth thread BS 84



Zeichen / Simbolo / Symbol			MSBg	MSRh	MSRk
Typ / Tipo / Type			GO / NOGO	GO	NOGO
Toleranz / Limit / Tolleranza					
BSW	P	Tol.			
		INDEX	RKS3-302100	RKY3-412100	RKY3-422100
1/8 - 40	40	7123	○	○	○
3/16 - 24	24	7125	○	○	○
1/4 - 20	20	7127	○	○	○
5/16 - 18	18	7128	○	○	○
3/8 - 16	16	7129	○	○	○
7/16 - 14	14	7130	○	○	○
1/2 - 12	12	7131	○	○	○
9/16 - 12	12	7132	○	○	○
5/8 - 11	11	7133	○	○	○
3/4 - 10	10	7135	○	○	○
7/8 - 9	9	7137	○	○	○
1 - 8	8	7139	○	○	○
1.1/8 - 7	7	7141	○	○	○
1.1/4 - 7	7	7143	○	○	○
1.3/8 - 6	6	7145	○	○	○
1.1/2 - 6	6	7147	○	○	○
1.3/4 - 5	5	7151	○	○	○
2 - 4.1/2	4.1/2	7155	○	○	○

Esempio di un ordine : RKY3-412100-7131 MSRh 1/2-12 BSW

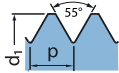
☺ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



**GEWINDE GRENZ-LEHRDORN UND GEWINDE GUT-LEHRRING
TAMPONI FILETTATI ED ANELLI PASA-NON PASA
THREADS GO / NO GO GAUGE AND THREADS GO RING GAUGE**



Amerikanisches kegeliges Rohrgewinde ANSI B1.20.1
Filettatura americana gas conica (con tenuta a stagna) ANSI B1.20.1
American Standard taper pipe thread ANSI B1.20.1



Zeichen / Simbolo / Symbol			MSXa	MSXc
Typ / Tipo / Type			GO / NOGO	GO
Toleranz / Limit / Tolleranza				
NPT	P	Tol.		
		INDEX	RKS3-332100	RKY3-432100
1/16"	27	4621	○	○
1/8"	27	4623	○	○
1/4"	18	4627	○	○
3/8"	18	4629	⊗	○
1/2"	14	4631	⊗	○
3/4"	14	4635	⊗	○
1"	11.1/2	4639	⊗	○
1.1/4"	11.1/2	4643	○	○
1.1/2"	11.1/2	4647	○	○
2"	11.1/2	4655	○	○

Esempio di un ordine : RKS3-332100-4637 MSXa 1/4" NPT

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request



Werkzeuge und Wendeplatten zum Fräsen

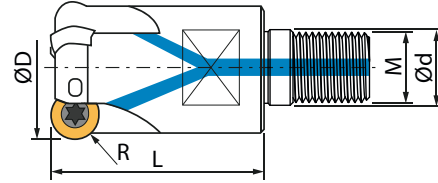
Utensili ad inserti per fresatura




Tools and inserts for milling

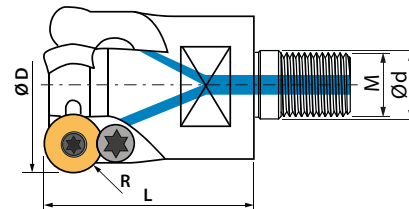








**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



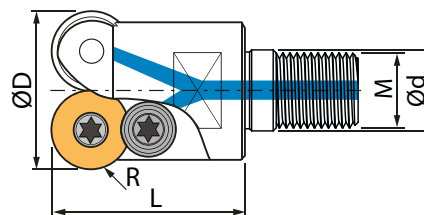
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R			
RKD1262S	12	18	M6	6,5	2	3,5	RD..0701	RKM250	T07
RKD1582S	15	23	M8	8,5	2	3,5	RD..0702	RKM250	T07
RKD1682S	16	23	M8	8,5	2	3,5	RD..0702	RKM250	T07
RKD1683S	16	23	M8	8,5	3	3,5	RD..0702	RKM250	T07
RKD20103S	20	30	M10	10,5	3	3,5	RD..0702	RKM250	T07
RKD20104S	20	30	M10	10,5	4	3,5	RD..0702	RKM250	T07
RKD25125S	25	35	M12	12,5	5	3,5	RD..0702	RKM250	T07
RKD32165S	32	43	M16	17	5	3,5	RD..0702	RKM250	T07
RKD20102S	20	30	M10	10,5	2	5	RD..1003	RKM350	T15
RKD25122S/10	25	35	M12	12,5	2	5	RD..1003	RKM358	T15
RKD25123S	25	35	M12	12,5	3	5	RD..1003	RKM358	T15
RKD32163S/10	32	43	M16	17	3	5	RD..1003	RKM358	T15
RKD32164S	32	43	M16	17	4	5	RD..1003	RKM358	T15
RKD35163S/10	35	43	M16	17	3	5	RD..1003	RKM358	T15
RKD35164S	35	43	M16	17	4	5	RD..1003	RKM358	T15
RKD35165S	35	43	M16	17	5	5	RD..1003	RKM358	T15
RKD40164S/10	40	43	M16	17	4	5	RD..1003	RKM358	T15
RKD42165S	42	43	M16	17	5	5	RD..1003	RKM358	T15








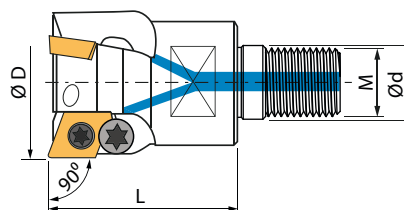
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R				
RKD24122S	24	35	12	12,5	2	6	RD..12T3	RKM358	-	T15
RKD25122S	25	35	12	12,5	2	6	RD..12T3	RKM358	OM3505	T15
RKD32163S/12	32	43	16	17	3	6	RD..12T3	RKM358	OM3505	T15
RKD35163S/12	35	43	16	17	3	6	RD..12T3	RKM358	OM3505	T15
RKD40164S/12	40	43	16	17	4	6	RD..12T3	RKM358	OM3505	T15
RKD42164S	42	43	16	17	4	6	RD..12T3	RKM358	OM3505	T15







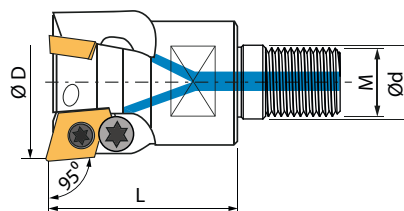
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**







BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R					
RKD32162S	32	43	M16	17	2	8	RD..1604	RKM4511	RO1104	RKM4511	T20



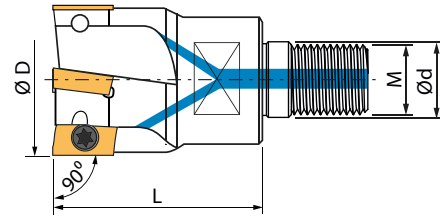
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z				
RKDX1062	10	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1262	12	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1682	16	23	M8	8,5	2	XD..0602	RKM250	-	T07
RKDX20103	20	30	M10	10,5	3	XD..0602	RKM250	-	T07
RKDX25123	25	35	M12	12,5	3	XD..0602	RKM250	-	T07
RKDX25124	25	35	M12	12,5	4	XD..0602	RKM250	-	T07
RKDX35163	35	43	M16	17	3	XD..10T3	RKM358	OM3505	T15
RKDX42164	42	43	M16	17	4	XD..10T3	RKM358	OM3505	T15



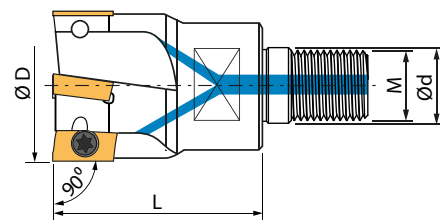
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z				
RKDX1062S	10	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1262S	12	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1563S	15	18	M6	6,5	3	XD..0401	RKM180	-	T06
RKDX1682S	16	23	M8	8,5	2	XD..0602	RKM250	-	T07
RKDX20103S	20	30	M10	10,5	3	XD..0602	RKM250	-	T07
RKDX25123S	25	35	M12	12,5	3	XD..0602	RKM250	-	T07
RKDX25124S	25	35	M12	12,5	4	XD..0602	RKM250	-	T07
RKDX35165S	35	43	M16	17	5	XD..0602	RKM250	-	T07
RKDX42166S	42	43	M16	17	6	XD..0602	RKM250	-	T07
RKDX32163S	32	43	M16	17	3	XD..10T3	RKM358	OM3505	T15
RKDX35163S	35	43	M16	17	3	XD..10T3	RKM358	OM3505	T15
RKDX40164S	40	43	M16	17	4	XD..10T3	RKM358	OM3505	T15
RKDX42164S	42	43	M16	17	4	XD..10T3	RKM358	OM3505	T15



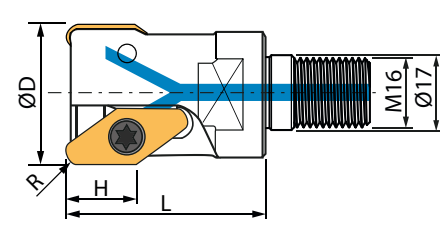
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z			
RK90AP1016M08WZ2R	16	25	M8	8,5	2	AP..1003	RKM2506	T08
RK90AP1020M10WZ3R	20	30	M10	10,5	3	AP..1003	RKM2506	T08
RK90AP1025M12WZ4R	25	35	M12	12,5	4	AP..1003	RKM2506	T08
RK90AP1032M16WZ5R	32	43	M16	17	5	AP..1003	RKM2506	T08
RK90AP1040M16WZ6R	40	43	M16	17	6	AP..1003	RKM2506	T08



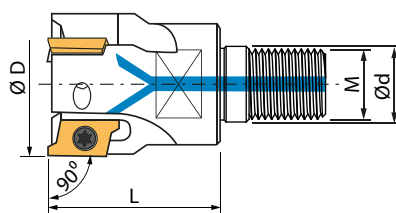
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z			
RK90AP1625M12WZ2R	25	35	M12	12,5	2	AP..1604	RKM4008	T15
RK90AP1632M16WZ3R	32	43	M16	17	3	AP..1604	RKM4010	T15



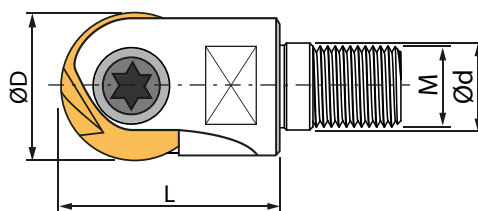
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	H	Z	R			
RK90VC22032M16WZ2R	32	48	15	2	3	RKC..220530	RKM4511	T20
RK90VC22042M16WZ3R	42	48	15	3	3	RKC..220530	RKM4511	T20



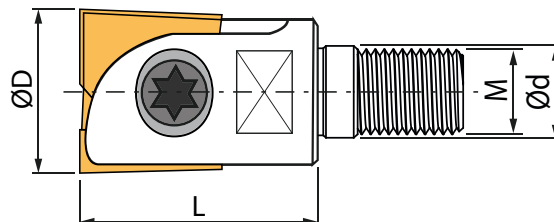
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z			
RK90RT1016M08WZ2R	16	25	M8	8,5	2	RT 1003/T3	RKM25IP	T08IP
RK90RT1020M10WZ3R	20	30	M10	10,5	3	RT 1003/T3	RKM25IP	T08IP
RK90RT1025M12WZ3R	25	35	M12	12,5	3	RT 1003/T3	RKM25IP	T08IP
RK90RT1025M12WZ4R	25	35	M12	12,5	4	RT 1003/T3	RKM25IP	T08IP
RK90RT1032M16WZ5R	32	43	M16	17	5	RT 1003/T3	RKM25IP	T08IP
RK90RT1320M10WZ2R	20	25	M10	10,5	2	RT 1304..	RKM30IP	T09IP
RK90RT1325M12WZ3R	25	30	M12	12,5	3	RT 1304..	RKM30IP	T09IP
RK90RT1332M16WZ4R	32	40	M16	17	4	RT 1304..	RKM30IP	T09IP
RK90RT1335M16WZ5R	35	40	M16	17	5	RT 1304..	RKM30IP	T09IP



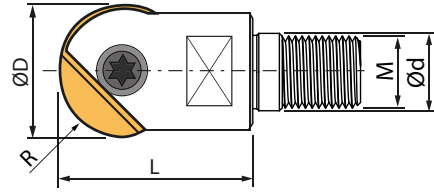
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	R			
RKK0012M06Z1R	12	20	M6	6,5	6	WPR12..	KTS12	T15
RKK0016M08Z1R	16	25	M8	8,5	8	WPR16..	KTS16	T20
RKK0020M10Z1R	20	30	M10	10,5	10	WPR20..	KTS20	T20
RKK0025M12Z1R	25	35	M12	12,5	12,5	WPR25..	KTS25	T25
RKK0032M16Z1R	32	45	M16	17	16	WPR32..	KTS32	T30






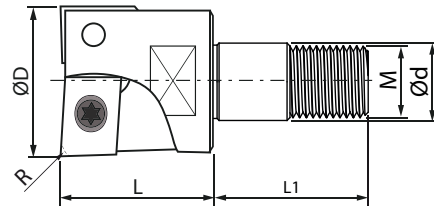
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6			
RKK9012M06Z1R	12	20	M6	6,5	WPV - WPB12..	KTS12	T15
RKK9016M08Z1R	16	25	M8	8,5	WPV - WPB16..	KTS16	T20
RKK9020M10Z1R	20	30	M10	10,5	WPV - WPB20..	KTS20	T20
RKK9025M12Z1R	25	35	M12	12,5	WPV - WPB25..	KTS25	T25
RKK9032M16Z1R	32	45	M16	17	WPV - WPB32..	KTS32	T30







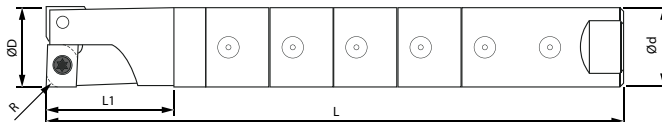
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**







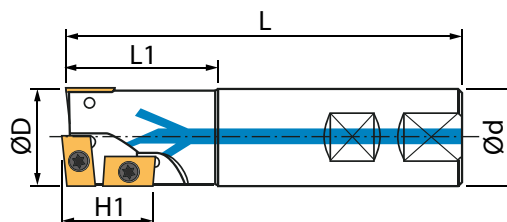
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	R			
RKA0012M06Z1R	12	20	M6	6,5	6	AWR12..	TX3509A	T10
RKA0016M08Z1R	16	25	M8	8,5	8	AWR16..	TX4013A	T15
RKA0020M10Z1R	20	30	M10	10,5	10	AWR20..	TX5016A	T20
RKA0025M12Z1R	25	35	M12	12,5	12,5	AWR25..	TX6020A	T25
RKA0032M16Z1R	32	45	M16	17	16	AWR32..	TX8025A	T30






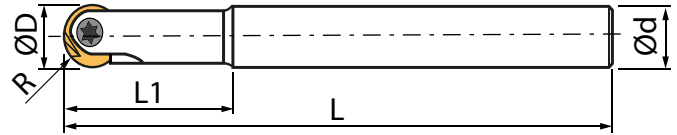
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	L1	M	Ø d h6	Z	R				
RKFF25	25	24	27	M12	14	2	0,5	ADGW 1503 ZZTR	ADGW 1203 ZZTL	RKM4008F	T15
RKFFR25	25	24	27	M12	14	2	4	ADGW 150340 TR	ADGW 120340 TL	RKM4008F	T15
RKFF36	36	32	37	M18	20	2	0,5	APGW 2004 ZZTR	APGW 1904 ZZTL	RKM5008	T20
RKFFR36	36	32	37	M18	20	2	4	APGW 200440 TR	APGW 190440 TL	RKM5008	T20



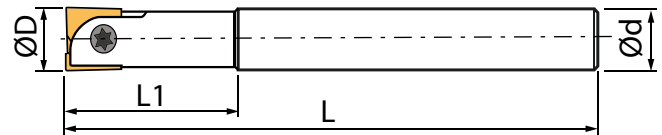
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	M	Ø d h6	Z	R				
RKFTF20	20	42	180	24	2	0,5	ADGW 0903 ZZTR	ADGW 1003 ZZTL	RKM4006F	T15
RKFTFR20	20	42	180	24	2	4	ADGW 090340 TR	ADGW 100340 TL	RKM4006F	T15
RKFTF25	25	40	180	24	2	0,5	ADGW 1503 ZZTR	ADGW 1203 ZZTL	RKM4008F	T15
RKFTF25R	25	40	180	24	2	4	ADGW 150340 TR	ADGW 120340 TL	RKM4008F	T15
RKFTF32	32	40	210	30	2	0,5	ADGW 1503 ZZTR	APGW 1904 ZZTL	RKM4008F-RKM5008	T15-T20
RKFTF32R	32	40	210	30	2	4	ADGW 150340 TR	APGW 190440 TL	RKM4008F-RKM5008	T15-T20
RKFTF36	36	40	210	34	2	0,5	APGW 2004 ZZTR	APGW 1904 ZZTL	RKM5008	T20
RKFTFR36	36	40	210	34	2	4	APGW 200440 TR	APGW 190440 TL	RKM5008	T20



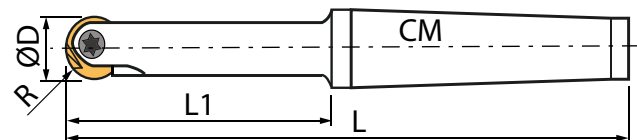
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	L1	L	Ø d h6	INSERTS	Z			
RK90RFAP10020WWZ3R	20	17	35	90	20	3	2	AP.1003	RKM2506	T08
RK90RFAP16032WWZ3R	32	30	50	130	32	3	2	AP.1604	RKM4010	T15



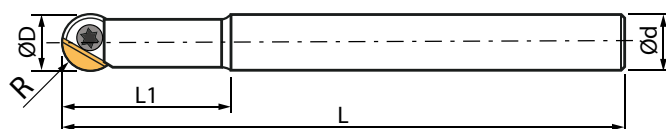
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKK00VF0610CZ1R	6	25	90	10	3	WPR 06..	KTS06	T06
RKK00VF0808CZ1R	8	40	120	8	4	WPR 08..	KTS08	T08
RKK00VF0810CZ1R	8	30	120	10	4	WPR 08..	KTS08	T08
RKK00VF1010CZ1R	10	40	150	10	5	WPR 10..	KTS10	T15
RKK00VF1012CZ1R	10	35	150	12	5	WPR 10..	KTS10	T15
RKK00VF1212CZ1R	12	50	160	12	6	WPR 12..	KTS12	T20
RKK00VF1616CZ1R	16	53	175	16	8	WPR 16..	KTS16	T20
RKK00VF2020CZ1R	20	61	190	20	10	WPR 20..	KTS20	T20
RKK00VF2525CZ1R	25	70	190	25	12,5	WPR 25..	KTS25	T25
RKK00VF3232CZ1R	32	80	210	32	16	WPR 32..	KTS32	T30






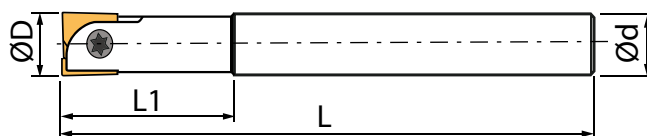
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6			
RKK90SF0808CZ1R	8	40	120	8	WPV - WPB 08..	KTS08	T08
RKK90SF0810CZ1R	8	30	120	10	WPV - WPB 08..	KTS08	T08
RKK90SF1010CZ1R	10	40	120	10	WPV - WPB 10..	KTS10	T15
RKK90SF1012CZ1R	10	35	150	12	WPV - WPB 10..	KTS10	T15
RKK90SF1212CZ1R	12	50	160	12	WPV - WPB 12..	KTS12	T20
RKK90SF1616CZ1R	16	53	175	16	WPV - WPB 16..	KTS16	T20
RKK90SF2020CZ1R	20	60	190	20	WPV - WPB 20..	KTS20	T20
RKK90SF2525CZ1R	25	70	190	25	WPV - WPB 25..	KTS25	T30
RKK90SF3232CZ1R	32	80	210	32	WPV - WPB 32..	KTS32	T30






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	R	MORSE			
RKK00M016R55CM2	16	55	125	8	CM2	WPR 16..	KTS16	T20
RKK00M020R70CM2	20	70	140	10	CM2	WPR 20..	KTS20	T20
RKK00M025R70CM3	25	70	170	12,5	CM3	WPR 25..	KTS25	T25
RKK00M032R80CM4	32	80	190	16	CM4	WPR 32..	KTS32	T30
RKK00M032R95CM4	32	95	205	16	CM4	WPR 32..	KTS32	T30



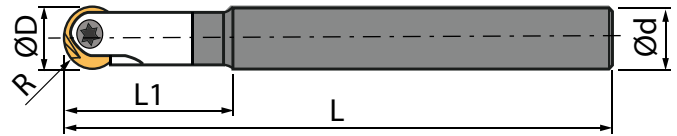
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKA00SF1212CZ1R	12	35	140	12	6	AWR 12..	TX3509A	T10
RKA00SF1616CZ1R	16	45	170	16	8	AWR 16..	TX4013A	T15
RKA00SF2020CZ1R	20	55	180	20	10	AWR 20..	TX5016A	T20
RKA00SF2525CZ1R	25	60	200	25	12,5	AWR 25..	TX6020A	T25
RKA00SF3232CZ1R	32	60	200	32	16	AWR 32..	TX8025A	T30






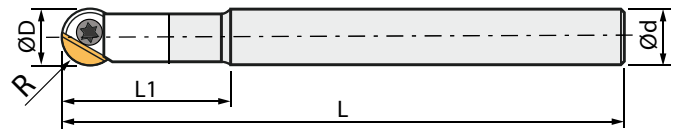
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6			
RKA90SF1212CZ1R	12	35	140	12	PPHT 12..	TX3509A	T10
RKA90SF1616CZ1R	16	45	170	16	PPHT 16..	TX4013A	T15
RKA90SF2020CZ1R	20	55	180	20	PPHT 20..	TX5016A	T20
RKA90SF2525CZ1R	25	60	200	25	PPHT 25..	TX6020A	T25






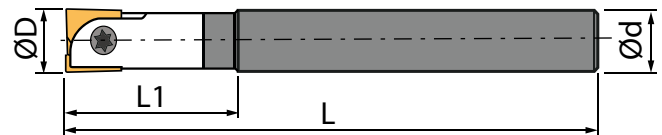
HARTMETALL ZYLINDERSCHAFT - ATTACCO CILINDRICO IN METALLO DURO - CARBIDE CYLINDRICAL SHANK






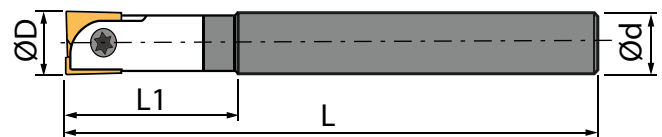
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKKR0808CZ1R	8	25	100	8	4	WPV - WPB 08..	KTS08	T08
RKKR1010CZ1R	10	35	120	10	5	WPV - WPB 10..	KTS10	T15
RKKR1212CZ1R	12	50	160	12	6	WPV - WPB 12..	KTS12	T20
RKKR1616CZ1R	16	55	175	16	8	WPV - WPB 16..	KTS16	T20
RKKR2020CZ1R	20	75	190	20	10	WPV - WPB 20..	KTS20	T20






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKAR1212CZ1R	12	50	160	12	6	AWR 12..	TX3509A	T10
RKAR1616CZ1R	16	55	175	16	8	AWR 16..	TX4013A	T15
RKAR2020CZ1R	20	75	190	20	10	AWR 20..	TX5016A	T20



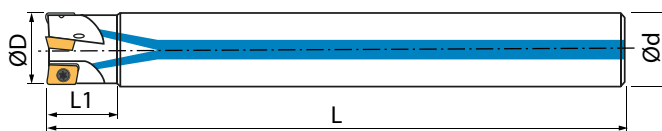
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	L	Ø d h6			
RKKT0808CZ1R	8	25	100	8	WPV - WPB 08..	KTS08	T08
RKKT1010CZ1R	10	35	120	10	WPV - WPB 10..	KTS10	T15
RKKT1212CZ1R	12	50	160	12	WPV - WPB 12..	KTS12	T20
RKKT1616CZ1R	16	55	175	16	WPV - WPB 16..	KTS16	T20
RKKT2020CZ1R	20	75	190	20	WPV - WPB 20..	KTS20	T20



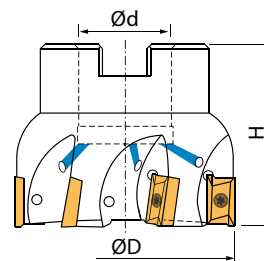
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RKAT1212CZ1R	12	50	160	12	PPHT 12..	TX3509A	T10
RKAT1616CZ1R	16	55	175	16	PPHT 16..	TX4013A	T15
RKAT2020CZ1R	20	75	190	20	PPHT 20..	TX5016A	T20



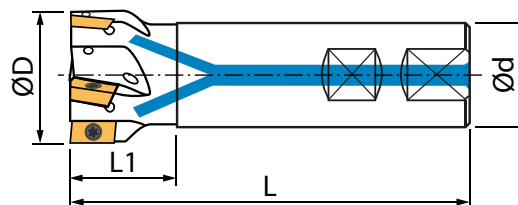
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RK90AP10016WXLZ2R-15	16	24	200	15	2	AP..1003	RKM2506	T08
RK90AP10016WXLZ2R-16	16	24	200	16	2	AP..1003	RKM2506	T08
RK90AP10020WXLZ3R-19	20	25	200	19	3	AP..1003	RKM2506	T08
RK90AP10020WXLZ3R-20	20	25	200	20	3	AP..1003	RKM2506	T08
RK90AP10025WXLZ3R-24	25	25	200	24	3	AP..1003	RKM2506	T08
RK90AP10025WXLZ3R-25	25	25	200	25	3	AP..1003	RKM2506	T08
RK90AP10025WXLZ4R-24	25	25	200	24	4	AP..1003	RKM2506	T08
RK90AP10025WXLZ4R-25	25	25	200	25	4	AP..1003	RKM2506	T08



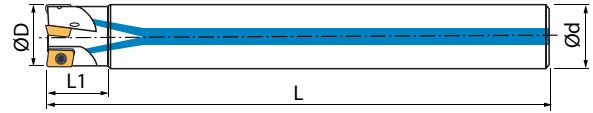
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ød H7	Z			
RK90AP10040MWZ6R-16	40	40	16	6	AP..1003	RKM2506	T08
RK90AP10040MWZ6R-22	40	40	22	6	AP..1003	RKM2506	T08
RK90AP10050MWZ5R	50	40	22	5	AP..1003	RKM2506	T08
RK90AP10050MWZ7R	50	40	22	7	AP..1003	RKM2506	T08
RK90AP10063MWZ6R	63	40	22	6	AP..1003	RKM2506	T08
RK90AP10063MWZ8R	63	40	22	8	AP..1003	RKM2506	T08
RK90AP10080MWZ11R	80	50	27	11	AP..1003	RKM2506	T08



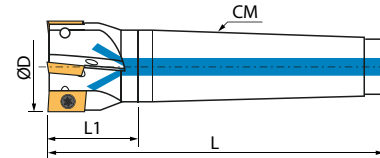
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK90AP16025WWZ2R	25	44	100	25	2	AP..1604	RKM4008	T15
RK90AP16028WWZ3R	28	44	100	25	3	AP..1604	RKM4008	T15
RK90AP16032WWZ3R	32	50	110	32	3	AP..1604	RKM4010	T15
RK90AP16040WWZ4R	40	45	115	32	4	AP..1604	RKM4010	T15



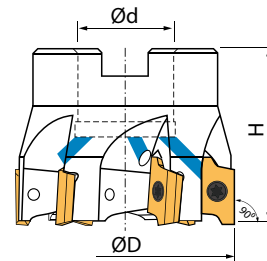
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK90AP16025CLW20Z2R	25	40	180	20	2	AP..1604	RKM4008	T15
RK90AP16025CLW24Z2R	25	40	180	24	2	AP..1604	RKM4008	T15
RK90AP16032CLW25Z3R	32	60	180	25	3	AP..1604	RKM4010	T15
RK90AP16032CLW32Z3R	32	60	180	32	3	AP..1604	RKM4010	T15



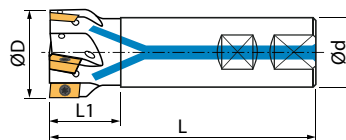
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	MORSE	Z			
RK90AP16032CM3WZ3R	32	40	125	CM3	3	AP..1604	RKM4010	T15
RK90AP16040CM4WZ4R	40	48	157	CM4	4	AP..1604	RKM4010	T15






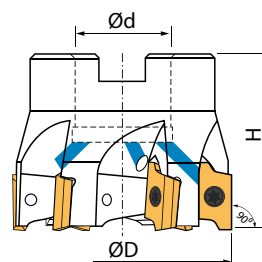
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90AP16040MWZ4R	40	40	16	4	AP..1604	RKM4010	T15
RK90AP16050MWZ5R	50	40	22	5	AP..1604	RKM4010	T15
RK90AP16052MWZ5R	52	40	22	5	AP..1604	RKM4010	T15
RK90AP16063MWZ5R	63	40	22	5	AP..1604	RKM4010	T15
RK90AP16063MWZ6R	63	40	22	6	AP..1604	RKM4010	T15
RK90AP16080MWZ6R	80	50	27	6	AP..1604	RKM4010	T15
RK90AP16100MWZ7R	100	50	32	7	AP..1604	RKM4010	T15
RK90AP16125MZ8R	125	63	40	8	AP..1604	RKM4010	T15
RK90AP16160MZ10R	160	63	40	10	AP..1604	RKM4010	T15






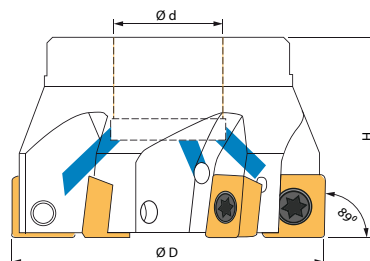
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK90AD15025WWZ2R	25	44	100	25	2	ADKT1505	RKM4010	T15
RK90AD15032WWZ3R	32	50	110	32	3	ADKT1505	RKM4010	T15
RK90AD15040WWZ4R	40	45	115	32	4	ADKT1505	RKM4010	T15



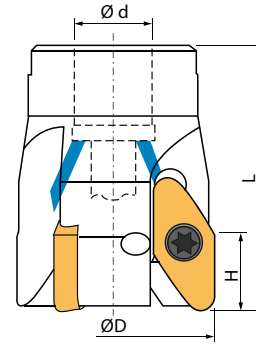
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90AD15040MWZ4R	40	45	16	4	ADKT1505	RKM4010	T15
RK90AD15050MWZ5R	50	40	22	5	ADKT1505	RKM4010	T15
RK90AD15063MWZ6R	63	40	22	6	ADKT1505	RKM4010	T15
RK90AD15080MWZ7R	80	50	27	7	ADKT1505	RKM4010	T15
RK90AD15100MWZ8R	100	50	32	8	ADKT1505	RKM4010	T15
RK90AD15125MZ9R	125	63	40	9	ADKT1505	RKM4010	T15






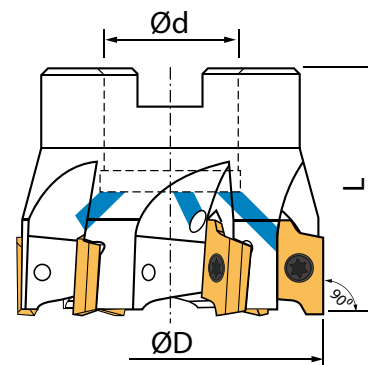
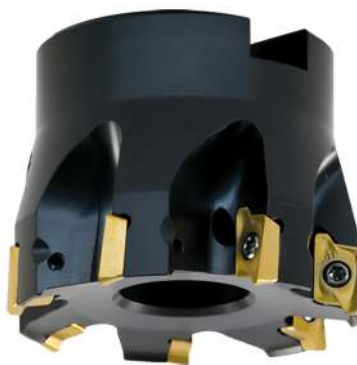
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90SD12050MWZ5R	50	40	22	5	SDHT 1204	RKM4010	T15
RK90SD12063MWZ6R	63	40	22	6	SDHT 1204	RKM4010	T15
RK90SD12080MWZ6R	80	50	27	6	SDHT 1204	RKM4010	T15
RK90SD12100MWZ8R	100	50	32	8	SDHT 1204	RKM4010	T15
RK90SD12125MWZ9R	125	63	40	9	SDHT 1204	RKM4010	T15






SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



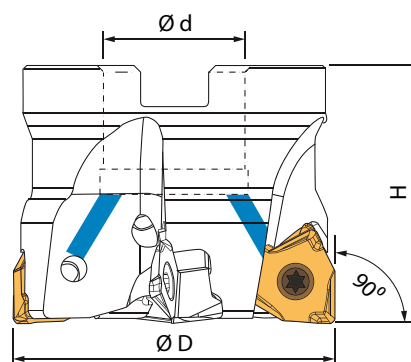
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	Ø d H7	H	Z			
RK90SC22042MWZ3R	42	57	16	15	3	RKC..220530	RKM4511	T20
RK90SC22052MWZ3R	52	57	22	15	3	RKC..220530	RKM4511	T20
RK90SC22066MWZ4R	66	57	27	15	4	RKC..220530	RKM4511	T20
RK90SC22080MWZ4R	80	57	27	15	4	RKC..220530	RKM4511	T20
RK90SC22100MZ5R	100	50	32	15	5	RKC..220530	RKM4511	T20
RK90SC22125MZ6R	125	50	40	15	6	RKC..220530	RKM4511	T20



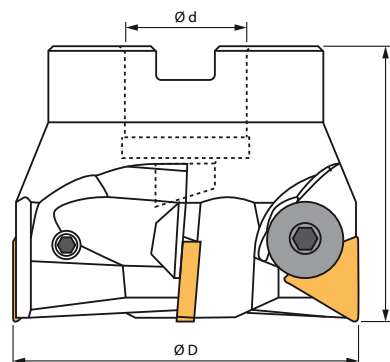
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90RT10040MWZ6R	40	40	16	6	RT 1003/T3	RKM25IP	T08IP
RK90RT10050MWZ7R	50	40	22	7	RT 1003/T3	RKM25IP	T08IP
RK90RT13040MWZ5R	40	40	16	5	RT 1304..	RKM30IP	T09IP
RK90RT13050MWZ6R	50	40	22	6	RT 1304..	RKM30IP	T09IP
RK90RT13063MWZ7R	63	40	22	7	RT 1304..	RKM30IP	T09IP



SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



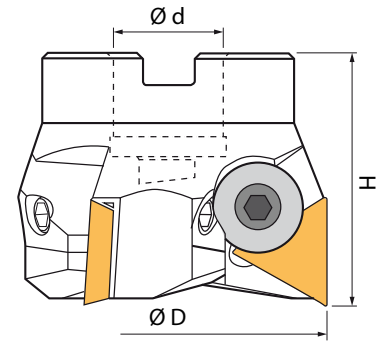
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90XN08050MWZ4R	50	40	22	4	XNEX 080608	RKM4012	T15
RK90XN08050MWZ5R	50	40	22	5	XNEX 080608	RKM4012	T15
RK90XN08063MWZ5R	63	40	22	5	XNEX 080608	RKM4012	T15
RK90XN08063MWZ6R-22	63	40	22	6	XNEX 080608	RKM4012	T15
RK90XN08063MWZ6R-27	63	40	27	6	XNEX 080608	RKM4012	T15
RK90XN08080MWZ6R	80	50	27	6	XNEX 080608	RKM4012	T15
RK90XN08080MWZ7R	80	50	27	7	XNEX 080608	RKM4012	T15
RK90XN08100MWZ8R	100	50	32	8	XNEX 080608	RKM4012	T15






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90TPK16050MZ3R	50	50	22	3	TPK..1603	RO1404	mm4
RK90TPK16063MZ4R	63	50	22	4	TPK..1603	RO1404	mm4
RK90TPK16080MZ5R	80	50	27	5	TPK..1603	RO1404	mm4
RK90TPK16100MZ6R	100	50	32	6	TPK..1603	RO1404	mm4
RK90TPK16125MZ6R	125	63	40	6	TPK..1603	RO1404	mm4



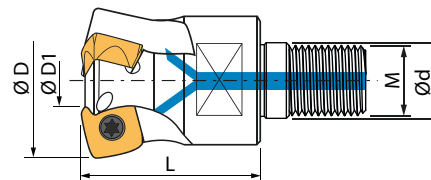
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°






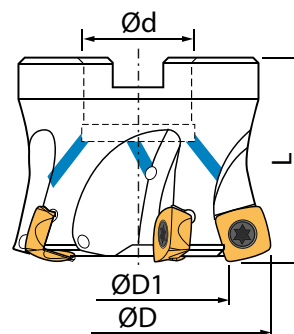
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90TPK22063MZ3R	63	50	22	3	TPK..2204	RO1805	mm5
RK90TPK22080MZ4R	80	50	27	4	TPK..2204	RO1805	mm5
RK90TPK22100MZ5R	100	50	32	5	TPK..2204	RO1805	mm5
RK90TPK22125MZ6R	125	63	40	6	TPK..2204	RO1805	mm5
RK90TPK22160MZ7R	160	63	40	7	TPK..2204	RO1805	mm5






**HOCHGESCHWINDIGKEITS-FRÄSER
FRESE ALTA VELOCITÀ
HIGH SPEED MILLING CUTTERS**



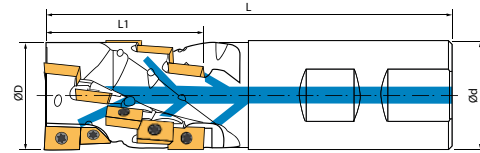
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	L	M	Ø d h6	Z			
RKZDSD12035M16WZ3R	35	17	40	16	17	3	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12042M16WZ4R	42	24	40	16	17	4	SD..1205 ZDTN-R15	RKM4011	T15






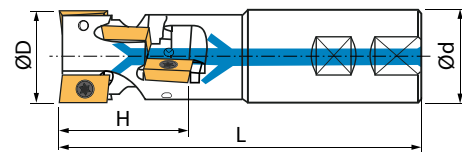
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	H	Ø d H7	Z			
RKZDSD12042MWZ4R	42	24	45	16	4	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12052MWZ5R	52	34	50	22	5	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12066MWZ5R	66	48	50	27	5	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12080MWZ6R	80	62	70	27	6	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12100MWZ8R	100	82	70	32	8	SD..1205 ZDTN-R15	RKM4011	T15






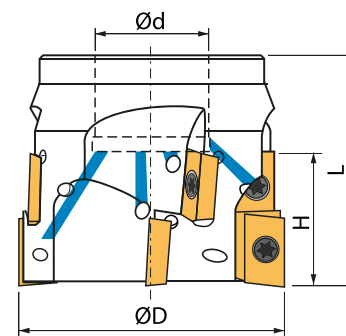
**SCHRUPP-WENDELFRÄSER
FRESE A RICCIO
HELICAL MILLING CUTTERS**






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	INSERTS	R			
RK90RAP10025WW0208	25	36	100	25	8	2	AP..1003	RKM2506	T08
RK90RAP10032WW0315	32	45	120	32	15	3	AP..1003	RKM2506	T08



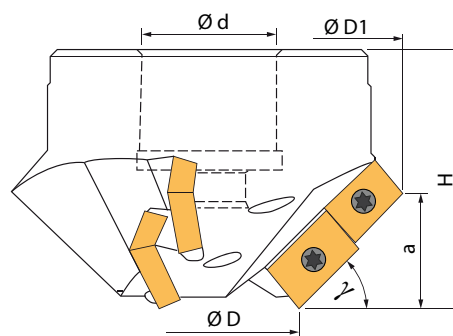
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	INSERTS	Z			
RK90RAP16032WW0206	32	45	125	32	6	2	AP..1604	RKM4010	T15
RK90RAP16040WW0210	40	70	160	40	10	2	AP..1604	RKM4010	T15
RK90RAP16040WW0309	40	44	140	40	9	3	AP..1604	RKM4010	T15






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H1	H	Ø d h6	Z	INSERTS			
RK90RAP16050MW0408	50	30	55	27	4	8	AP..1604	RKM4010	T15
RK90RAP16050MW0309	50	44	70	27	3	9	AP..1604	RKM4010	T15
RK90RAP16063MW0408	63	30	55	27	4	8	AP..1604	RKM4010	T15
RK90RAP16063MW0412	63	44	60	27	4	12	AP..1604	RKM4010	T15
RK90RAP16063MW0510	63	30	55	27	5	10	AP..1604	RKM4010	T15
RK90RAP16080MW0408	80	30	55	32	4	8	AP..1604	RKM4010	T15
RK90RAP16080MW0515	80	44	60	32	5	15	AP..1604	RKM4010	T15
RK90RAP16100MW0530	100	80	100	40	5	30	AP..1604	RKM4010	T15



SCHRUPP-WENDELFRÄSER
FRESE A RICCIO
HELICAL MILLING CUTTERS

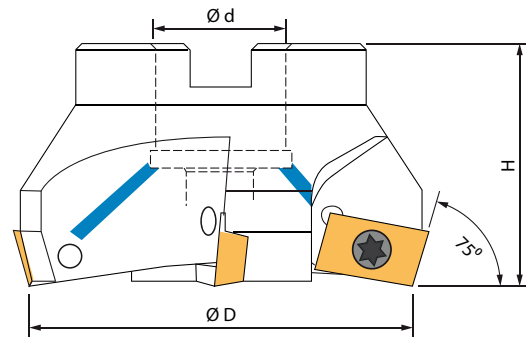
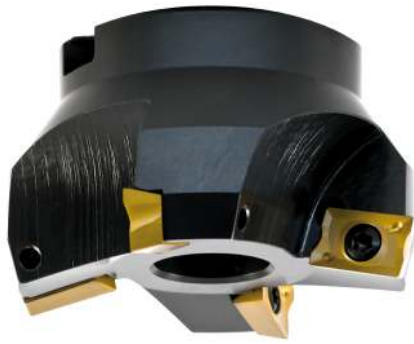





BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	a	H	Ø d H7	γ	Z			
RK15AP16035MZ3+3R	35	95,5	7,5	50	27	15	3+3	AP..1604	RKM4010	T15
RK30AP16035MZ3+3R	35	88	15	50	27	30	3+3	AP..1604	RKM4010	T15
RK45AP16035MZ3+3R	35	78	21	50	27	45	3+3	AP..1604	RKM4010	T15
RK60AP16035MZ3+3R	35	65	25,5	50	27	60	3+3	AP..1604	RKM4010	T15
RK75AP16035MZ3+3R	35	50,5	29	60	22	75	3+3	AP..1604	RKM4010	T15

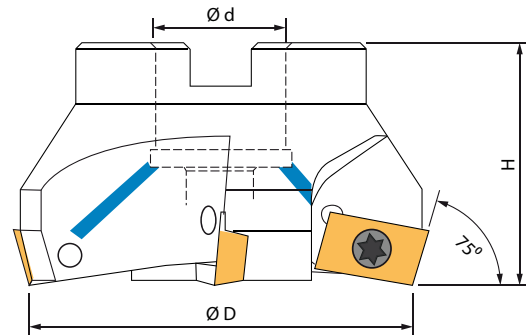







SCHULTERFRÄSER 75°
FRESE PER SPIANATURE 75°
SHOULDER MILLING CUTTERS 75°



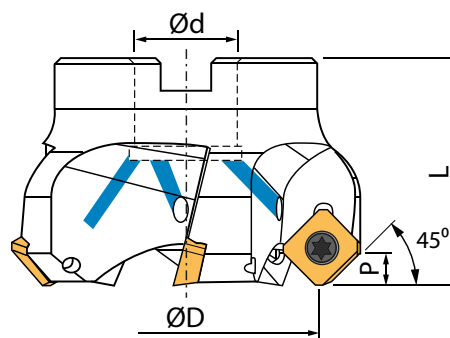
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK75AD15063MWZ4R	63	40	22	4	ADKT1505	RKM4010	T15
RK75AD15080MWZ5R	80	50	27	5	ADKT1505	RKM4010	T15
RK75AD15100MWZ6R	100	50	32	6	ADKT1505	RKM4010	T15






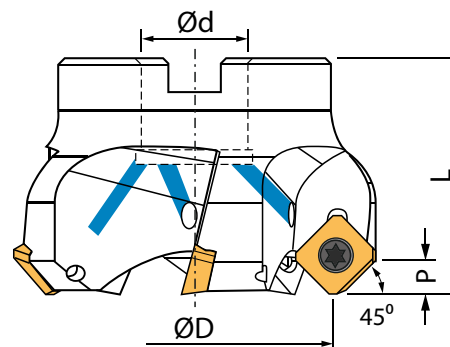
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK75AP16063MWZ4R	63	40	22	4	AP..1604	RKM4010	T15
RK75AP16080MWZ5R	80	50	27	5	AP..1604	RKM4010	T15
RK75AP16100MWZ6R	100	50	32	6	AP..1604	RKM4010	T15






SCHULTERFRÄSER 45°
FRESE PER SPIANATURE 45°
SHOULDER MILLING CUTTERS 45°



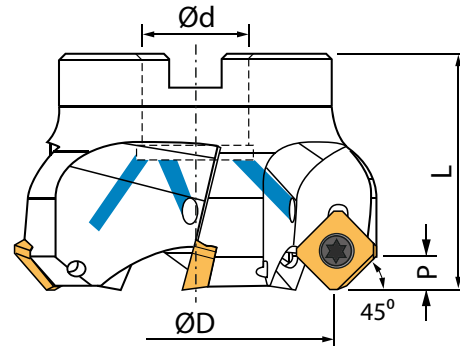
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SD12050MWZ4R	50	45	22	6	4	SDKT 1204	RKM4510	T20
RK45SD12063MWZ5R	63	45	22	6	5	SDKT 1204	RKM4510	T20
RK45SD12080MWZ6R	80	50	27	6	6	SDKT 1204	RKM4510	T20
RK45SD12100MWZ7R	100	55	32	6	7	SDKT 1204	RKM4510	T20
RK45SD12125MZ8R	125	63	40	6	8	SDKT 1204	RKM4510	T20






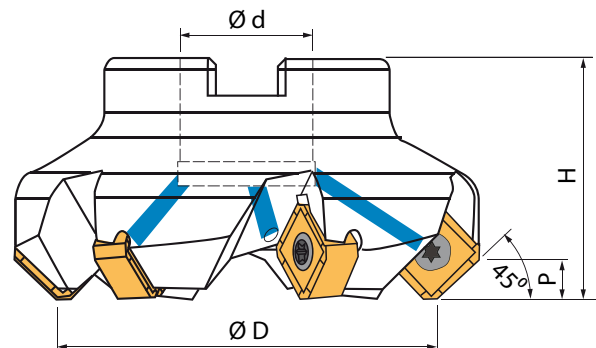
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SE12040MWZ3R	40	40	16	6	3	SE..1204	RKM5009	T20
RK45SE12050MWZ4R	50	48	22	6	4	SE..1204	RKM5010	T20
RK45SE12063MWZ5R	63	48	22	6	5	SE..1204	RKM5010	T20
RK45SE12080MWZ6R	80	50	27	6	6	SE..1204	RKM5010	T20
RK45SE12100MWZ6R	100	50	32	6	6	SE..1204	RKM5010	T20
RK45SE12125MZ7R	125	63	40	6	7	SE..1204	RKM5010	T20
RK45SE12160MZ8R	160	63	40	6	8	SE..1204	RKM5010	T20






SCHULTERFRÄSER 45°
FRESE PER SPIANATURE 45°
SHOULDER MILLING CUTTERS 45°



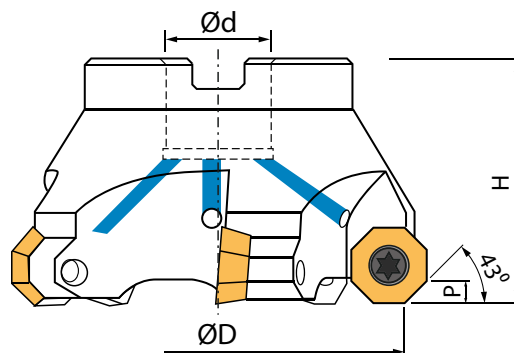
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SE13T3040MWZ3R	40	40	16	6	3	SE..13T3	RKM3509	T15
RK45SE13T3050MWZ4R	50	48	22	6	4	SE..13T3	RKM3512	T15
RK45SE13T3063MWZ5R	63	48	22	6	5	SE..13T3	RKM3512	T15
RK45SE13T3080MWZ6R	80	50	27	6	6	SE..13T3	RKM3512	T15
RK45SE13T3100MWZ6R	100	50	32	6	6	SE..13T3	RKM3512	T15
RK45SE13T3125MZ7R	125	63	40	6	7	SE..13T3	RKM3512	T15
RK45SE13T3160MZ8R	160	63	40	6	8	SE..13T3	RKM3512	T15






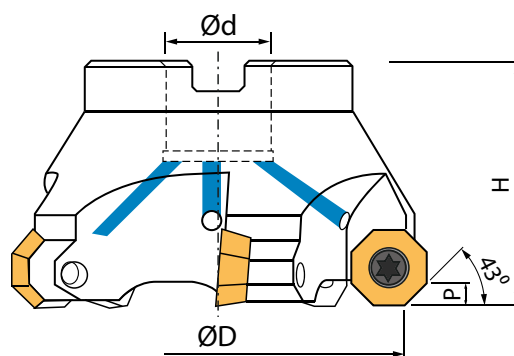
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SN12050MWZ4R	50	40	22	7	4	SNMX 1205/06	RKMSN4010	T15
RK45SN12063MWZ6R	63	40	22	7	6	SNMX 1205/06	RKMSN4010	T15
RK45SN12080MWZ7R	80	50	27	7	7	SNMX 1205/06	RKMSN4010	T15
RK45SN12100MWZ8R	100	50	32	7	8	SNMX 1205/06	RKMSN4010	T15
RK45SN12125MZ10R	125	63	40	7	10	SNMX 1205/06	RKMSN4010	T15






SCHULTERFRÄSER 43°
FRESE PER SPIANATURE 43°
SHOULDER MILLING CUTTERS 43°



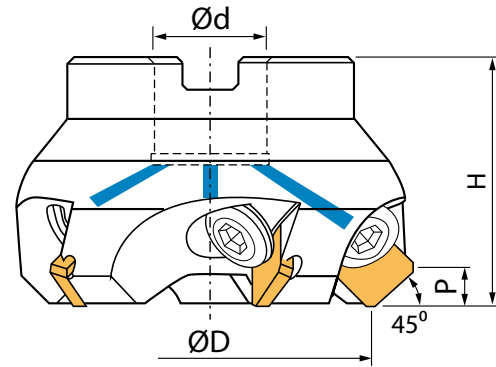
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK43OF05032MWZ3R	32	40	16	3,5	3	OF.. 05T3	RKM4010	T15
RK43OF05040MWZ3R	40	40	16	3,5	3	OF.. 05T3	RKM4010	T15
RK43OF05050MWZ4R	50	40	22	3,5	4	OF.. 05T3	RKM4010	T15
RK43OF05050MWZ5R	50	40	22	3,5	5	OF.. 05T3	RKM4010	T15
RK43OF05063MWZ5R	63	40	22	3,5	5	OF.. 05T3	RKM4010	T15
RK43OF05080MWZ6R	80	50	27	3,5	6	OF.. 05T3	RKM4010	T15
RK43OF05100MWZ7R	100	50	32	3,5	7	OF.. 05T3	RKM4010	T15
RK43OF05125MZ8R	125	63	40	3,5	8	OF.. 05T3	RKM4010	T15






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK43OD06050MWZ4R	50	40	22	4,5	4	OD.. 0605	RKM5013	T20
RK43OD06063MWZ5R	63	40	22	4,5	5	OD.. 0605	RKM5013	T20
RK43OD06080MWZ5R	80	50	27	4,5	5	OD.. 0605	RKM5013	T20
RK43OD06100MWZ6R	100	55	32	4,5	6	OD.. 0605	RKM5013	T20
RK43OD06125MZ7R	125	63	40	4,5	7	OD.. 0605	RKM5013	T20
RK43OD06160MZ9R	160	63	40	4,5	9	OD.. 0605	RKM5013	T20



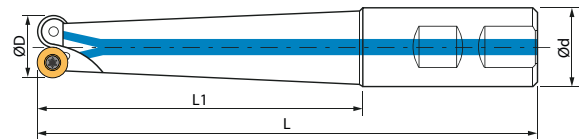
PLANFRÄSER 45°
FRESE PER SPIANATURE 45°
FACE MILLING CUTTERS 45°






BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SEK12050MZ4R	50	48	22	6	4	SEK..1203	CVB 88	mm 4
RK45SEK12063MZ5R	63	48	22	6	5	SEK..1203	CVB 88	mm 4
RK45SEK12080MZ6R	80	50	27	6	6	SEK..1203	CVB 88	mm 4
RK45SEK12100MZ6R	100	50	32	6	6	SEK..1203	CVB 88	mm 4
RK45SEK12125MZ7R	125	63	40	6	7	SEK..1203	CVB 88	mm 4



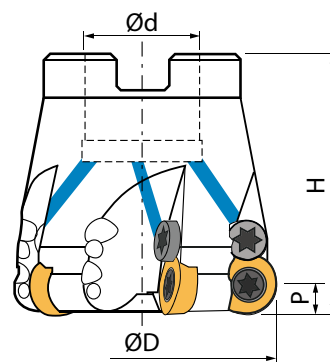
TORIC-FRÄSER ZUM KOPIEREN
FRESE TORICHE PER COPIATURA
TORIC CUTTERS FOR COPYING







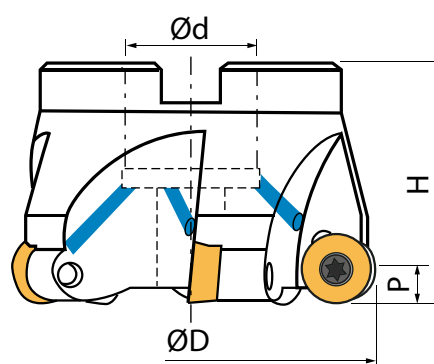
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK00RD07016WWZ2R	16	90	140	20	2	RD..0702	RKM250	T07
RK00RD10020WWZ2R	20	104	160	25	2	RD..1003	RKM350	T15
RK00RD10025WWZ2R	25	104	160	25	2	RD..1003	RKM358	T15






TORIC-FRÄSER ZUM PLANEN UND KOPIEREN
FRESE TORICHE PER SPIANATURE E COPIATURE
TORIC MILLING CUTTERS FOR FACING AND COPYING



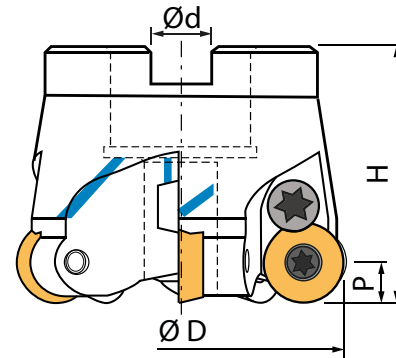
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z				
RK00RD12T3040MWZ4R	40	40	16	6	4	RD..12T3	RKM358	-	T15
RK00RD12T3050MWZ5R	50	50	22	6	5	RD..12T3	RKM358	OM3505	T15
RK00RD12T3052MWZ4R	52	50	22	6	4	RD..12T3	RKM358	OM3505	T15
RK00RD12T3052MWZ5R	52	50	22	6	5	RD..12T3	RKM358	OM3505	T15
RK00RD12T3063MWZ6R	63	50	22	6	6	RD..12T3	RKM358	OM3505	T15
RK00RD12T3066MWZ6R	66	50	27	6	6	RD..12T3	RKM358	OM3505	T15
RK00RD12T3080MWZ7R	80	50	27	6	7	RD..12T3	RKM358	OM3505	T15
RK00RD12T3100MWZ8R	100	55	32	6	8	RD..12T3	RKM358	OM3505	T15








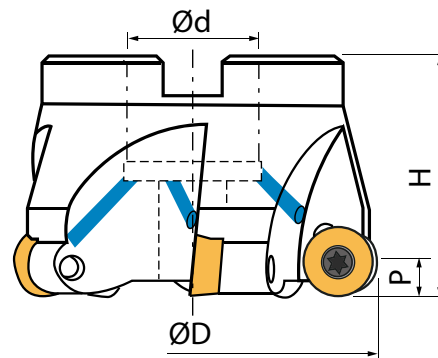
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK00RD1204040MWZ4R	40	40	16	6	4	RD..1204	RKM4010	T15
RK00RD1204050MWZ4R	50	50	22	6	4	RD..1204	RKM4010	T15
RK00RD1204052MWZ5R	52	50	22	6	5	RD..1204	RKM4010	T15
RK00RD1204063MWZ5R	63	50	27	6	5	RD..1204	RKM4010	T15
RK00RD1204080MWZ6R	80	50	27	6	6	RD..1204	RKM4010	T15
RK00RD1204100MWZ7R	100	55	32	6	7	RD..1204	RKM4010	T15






TORIC-FRÄSER ZUM PLANEN UND KOPIEREN
FRESE TORICHE PER SPIANATURE E COPIATURE
TORIC MILLING CUTTERS FOR FACING AND COPYING



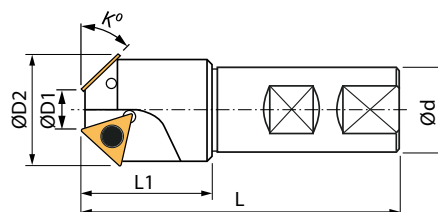
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z					
RK00RD16050MWZ4R	50	50	22	8	4	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16052MWZ4R	52	50	22	8	4	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16063MWZ5R	63	50	27	8	5	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16066MWZ5R	66	50	27	8	5	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16080MWZ6R	80	50	27	8	6	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16100MWZ7R	100	55	32	8	7	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16125MWZ8R	125	63	40	8	8	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16160MZ9R	160	55	40	8	9	RD..1604	RKM4511	RO1104	RKM4511	T20






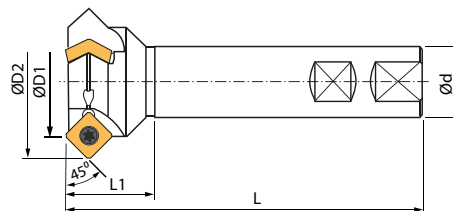
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK00RP12040MWZ4R	40	40	16	6	4	RP..1204	RKM4010	T15
RK00RP12050MWZ4R	50	50	22	6	4	RP..1204	RKM4010	T15
RK00RP12052MWZ4R	52	50	22	6	4	RP..1204	RKM4010	T15
RK00RP12063MWZ5R-22	63	50	22	6	5	RP..1204	RKM4010	T15
RK00RP12063MWZ5R-27	63	50	27	6	5	RP..1204	RKM4010	T15
RK00RP12066MWZ5R	66	50	27	6	5	RP..1204	RKM4010	T15
RK00RP12080MWZ6R	80	50	27	6	6	RP..1204	RKM4010	T15
RK00RP12100MWZ7R	100	55	32	6	7	RP..1204	RKM4010	T15






**KEGEL- UND SENKERFRÄSER
FRESE PER SMUSSI E SVASATURE
CHAMFERING MILLING CUTTERS**



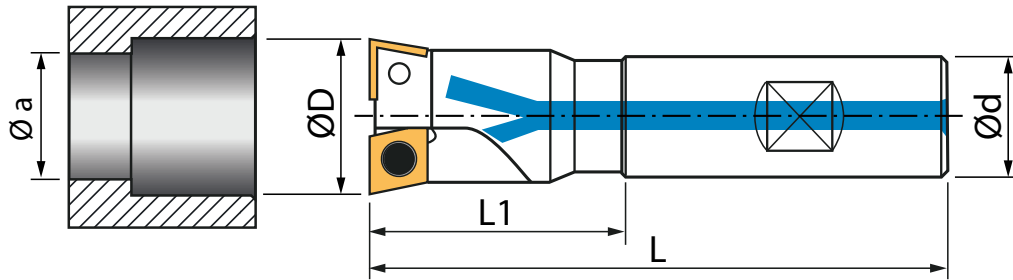
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D1	Ø D2	L1	L	Ø d h6	K	Z			
RK30TC16032WZ2R	6	32	39	95	20	30	2	TC..16T3	RKM4010	T15
RK45TC11016WZ1R	1,8	15,5	20	70	12	45	1	TC..1102	RKM250	T07
RK45TC11021WZ2R	6	19,5	35	90	20	45	2	TC..1102	RKM250	T07
RK45TC16020WWZ1R	0	20	45	95	20	45	1	TCMX 16T3	RKM4010	T15
RK45TC16325WWZ2R	12,5	32,5	39	95	25	45	2	TC..16T3	RKM4010	T15
RK60TC11016WZ1R	5,4	16	20	70	12	60	1	TC..1102	RKM250	T07
RK60TC11026WWZ2R	15,8	26	35	90	20	60	2	TC..1102	RKM250	T07
RK60TC16035WWZ2R	20	35	39	95	25	60	2	TC..16T3	RKM4010	T15






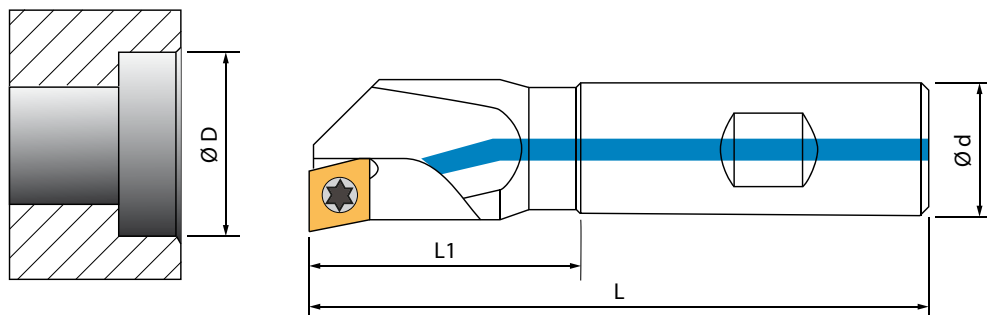
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R			
RK45SC09012WZ1R	12	23,7	100	25	20	1	SC..09T3	RKM4010	T15
RK45SC09016WZ2R	16	28,8	100	35	20	2	SC..09T3	RKM4010	T15
RK45SC09030WZ3R	30	42,3	100	35	25	3	SC..09T3	RKM4010	T15
RK45SC09012WLZ1R	12	23,7	200	25	20	1	SC..09T3	RKM4010	T15
RK45SC09016WLZ2R	16	28,8	200	42	20	2	SC..09T3	RKM4010	T15
RK45SC09030WLZ3R	30	42,3	200	40	25	3	SC..09T3	RKM4010	T15






**PLANFRÄSER
FRESE PER LAMATURE
SPOT FACING MILLING CUTTERS**



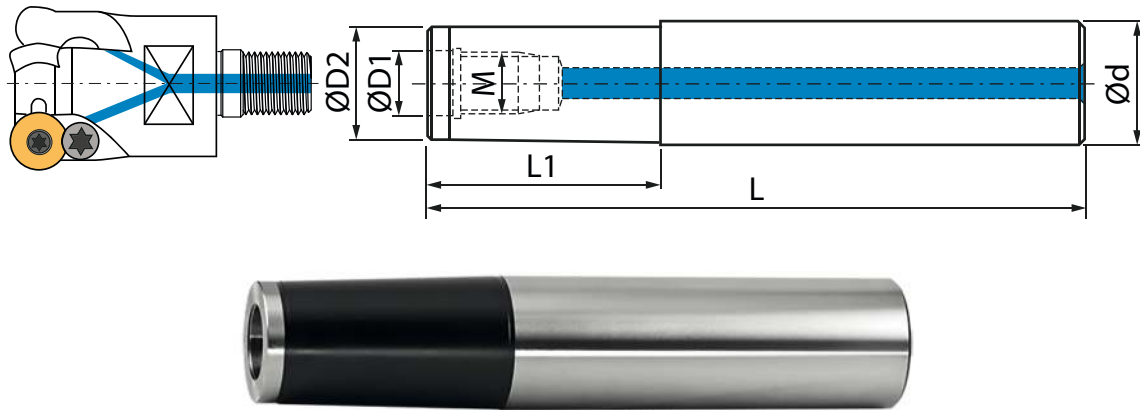
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø a	L1	L	Ø d h6	Z			
RK18CC06015WWZ1R	15	5	30	85	12	1	CC.. 0602	RKM250	T07
RK18CC06016WWZ2R	16	5	30	92	12	2	CC.. 0602	RKM250	T07
RK18CC06017WWZ2R	17	6	32	94	16	2	CC.. 0602	RKM250	T07
RK18CC06175WWZ2R	17,5	6,5	40	96	16	2	CC.. 0602	RKM250	T07
RK18CC06018WWZ2R	18	7	41	97	16	2	CC.. 0602	RKM250	T07
RK18CC06019WWZ2R	19	8	41	100	16	2	CC.. 0602	RKM250	T07
RK18CC06020WWZ2R	20	9	41	102	16	2	CC.. 0602	RKM250	T07
RK18CC06021WWZ2R	21	10	41	105	16	2	CC.. 0602	RKM250	T07
RK18CC06022WWZ2R	22	11	41	110	16	2	CC.. 0602	RKM250	T07
RK18CC06023WWZ2R	23	12	41	112	16	2	CC.. 0602	RKM250	T07
RK18CC06024WWZ2R	24	13	41	115	16	2	CC.. 0602	RKM250	T07
RK18CC09025WWZ2R	25	8	40	120	16	2	CC.. 09T3	RKM4008	T15
RK18CC09026WWZ2R	26	9	55	125	20	2	CC.. 09T3	RKM4008	T15
RK18CC09027WWZ2R	27	10	55	128	20	2	CC.. 09T3	RKM4008	T15
RK18CC09028WWZ2R	28	11	55	130	20	2	CC.. 09T3	RKM4008	T15
RK18CC09029WWZ2R	29	12	55	132	20	2	CC.. 09T3	RKM4008	T15
RK18CC09030WWZ2R	30	13	55	134	20	2	CC.. 09T3	RKM4008	T15
RK18CC09031WWZ2R	31	14	55	136	20	2	CC.. 09T3	RKM4008	T15
RK18CC09032WWZ2R	32	15	55	138	20	2	CC.. 09T3	RKM4010	T15
RK18CC09033WWZ2R	33	16	55	140	20	2	CC.. 09T3	RKM4010	T15
RK18CC09034WWZ2R	34	16	60	140	25	2	CC.. 09T3	RKM4010	T15
RK18CC09035WWZ2R	35	17	60	140	25	2	CC.. 09T3	RKM4010	T15
RK18CC09038WWZ2R	38	20	60	140	25	2	CC.. 09T3	RKM4010	T15
RK18CC09042WWZ2R	42	24	60	140	25	2	CC.. 09T3	RKM4010	T15



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK90CC06010WWZ1R	9,8	23	90	8	1	CC.. 0602	RKM250	T07
RK90CC06011WWZ1R	10,8	24	105	10	1	CC.. 0602	RKM250	T07
RK90CC06012WWZ1R	11,8	25	105	10	1	CC.. 0602	RKM250	T07
RK90CC06013WWZ1R	12,8	25	105	10	1	CC.. 0602	RKM250	T07
RK90CC06014WWZ1R	13,8	27	110	12	1	CC.. 0602	RKM250	T07
RK90CC06015WWZ1R	14,8	28	120	12	1	CC.. 0602	RKM250	T07
RK90CC06016WWZ1R	15,8	29	125	12	1	CC.. 0602	RKM250	T07
RK90CC06017WWZ1R	16,8	30	140	16	1	CC.. 0602	RKM250	T07
RK90CC06018WWZ1R	17,8	31	140	16	1	CC.. 0602	RKM250	T07
RK90CC06019WWZ1R	18,8	31	150	16	1	CC.. 0602	RKM250	T07
RK90CC06020WWZ1R	19,8	33	150	16	1	CC.. 0602	RKM250	T07
RK90CC09021WWZ1R	20,8	34	160	20	1	CC.. 09T3	RKM4008	T15
RK90CC09022WWZ1R	21,8	35	160	20	1	CC.. 09T3	RKM4008	T15
RK90CC09023WWZ1R	22,8	36	165	20	1	CC.. 09T3	RKM4008	T15
RK90CC09024WWZ1R	23,8	37	170	20	1	CC.. 09T3	RKM4008	T15
RK90CC09025WWZ1R	24,8	38	180	20	1	CC.. 09T3	RKM4008	T15
RK90CC09026WWZ1R	25,8	39	185	20	1	CC.. 09T3	RKM4008	T15
RK90CC09027WWZ1R	26,8	40	190	20	1	CC.. 09T3	RKM4008	T15
RK90CC09028WWZ1R	27,8	40	190	20	1	CC.. 09T3	RKM4008	T15
RK90CC09029WWZ1R	28,8	43	200	20	1	CC.. 09T3	RKM4008	T15
RK90CC09030WWZ1R	29,8	43	200	25	1	CC.. 09T3	RKM4008	T15
RK90CC09031WWZ1R	30,8	44	200	25	1	CC.. 09T3	RKM4008	T15
RK90CC09032WWZ1R	31,8	45	200	25	1	CC.. 09T3	RKM4008	T15



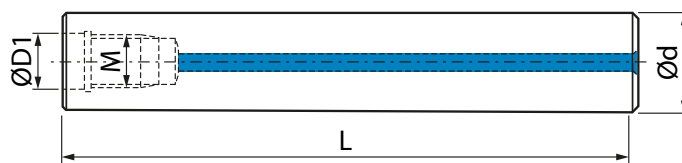
**STAHLVERLÄNGERUNGEN FÜR EINSCHRAUBFRÄSER
 PROLUNGHE IN ACCIAIO PER ATTACCHI FILETTATI
 STEEL EXTENSIONS FOR SCREW-IN MILLING CUTTER**



BESTELL.-NR. ARTICOLO ORDER NR.	Ø d h6	M	L	L1	Ø D H7	Ø D2
RKPR12M06160-40	12	6	160	40	6,5	9,8
RKPR16M08160-45	16	8	160	45	8,5	12,8
RKPR16M08200-10	16	8	200	10	8,5	14
RKPR20M10160-50	20	10	160	50	10,5	17,8
RKPR20M10250-12	20	10	250	12	10,5	18
RKPR25M12160-55	25	12	160	55	12,5	20,8
RKPR25M12250-15	25	12	250	15	12,5	23
RKPR32M16160-60	32	16	160	60	17	28,8
RKPR32M16300-18	32	16	300	18	17	29



HARTMETALLVERLÄNGERUNGEN FÜR EINSCHRAUBFRÄSER
PROLUNGHE IN METALLO DURO PER TESTINE FILETTATE
CARBIDE EXTENSIONS FOR SCREW-IN MILLING CUTTER



BESTELL.-NR. ARTICOLO ORDER NR.	Ø d h6	M	L	Ø D1 H7
RKPRMD10M06-100	10	6	100	6.5
RKPRMD10M06-150	10	6	150	6.5
RKPRMD11M06-100	11	6	100	6.5
RKPRMD11M06-150	11	6	150	6.5
RKPRDM12M06-100	12	6	100	6.5
RKPRDM12M06-150	12	6	150	6.5
RKPRMD15M08-100	15	8	100	8.5
RKPRMD15M08-150	15	8	150	8.5
RKPRMD15M08-200	15	8	200	8.5
RKPRMD16M08-100	16	8	100	8.5
RKPRMD16M08-150	16	8	150	8.5
RKPRMD16M08-200	16	8	200	8.5
RKPRMD16M08-250	16	8	250	8.5
RKPRMD19M10-100	19	10	100	10.5
RKPRMD19M10-150	19	10	150	10.5
RKPRMD19M10-200	19	10	200	10.5
RKPRMD19M10-250	19	10	250	10.5
RKPRMD20M10-100	20	10	100	10.5
RKPRMD20M10-150	20	10	150	10.5
RKPRMD20M10-200	20	10	200	10.5
RKPRMD20M10-250	20	10	250	10.5
RKPRMD24M12-150	24	12	150	12.5
RKPRMD24M12-200	24	12	200	12.5
RKPRMD24M12-250	24	12	250	12.5
RKPRMD24M12-300	24	12	300	12.5
RKPRMD25M12-150	25	12	150	12.5
RKPRMD25M12-200	25	12	200	12.5
RKPRMD25M12-250	25	12	250	12.5
RKPRMD25M12-300	25	12	300	12.5
RKPRMD30M16-250 (*)	30	16	250	17
RKPRMD30M16-300 (*)	30	16	300	17
RKPRMD32M16-250	32	16	250	17
RKPRMD32M16-300	32	16	300	17
RKPRMD32M16-350 (*)	32	16	350	17
RKPRMD32M16-400 (*)	32	16	400	17

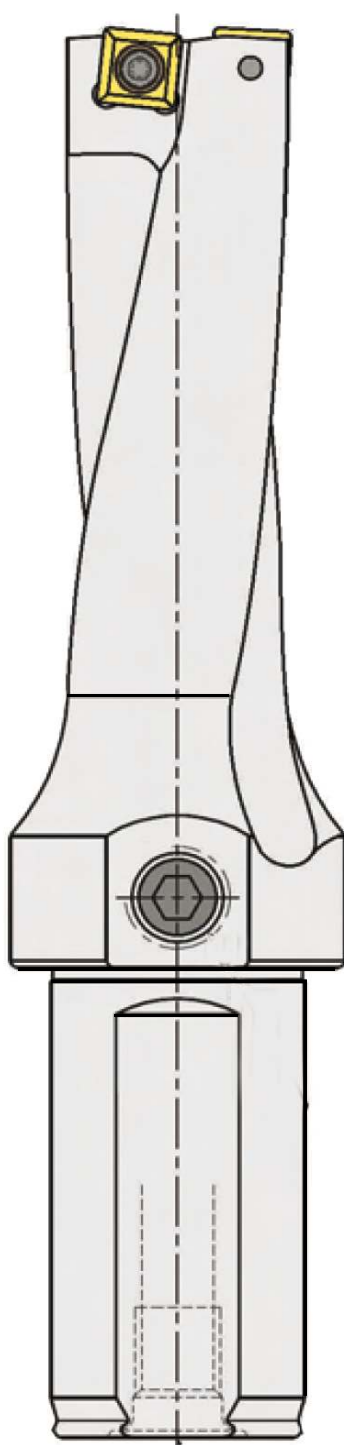




Vollbohrer für Wendeschneisplatten

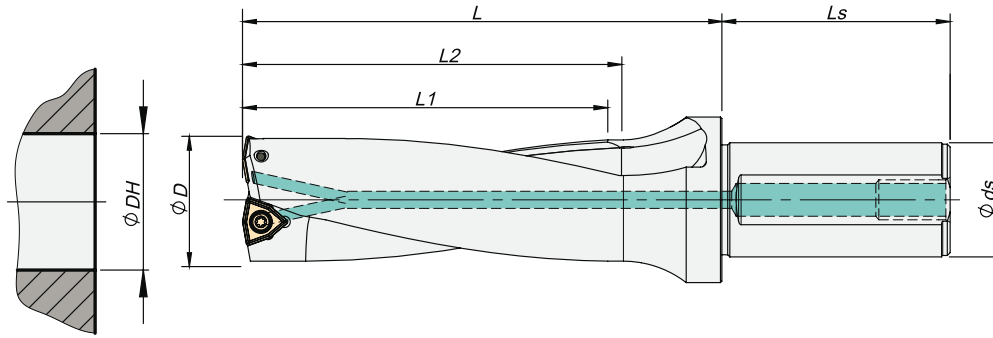
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Full drill bits for inserts








VOLLBOHRER FÜR WENDESCHNEISPLATTEN
PUNTE AD INSERTI
FULL DRILL BITS FOR INSERTS



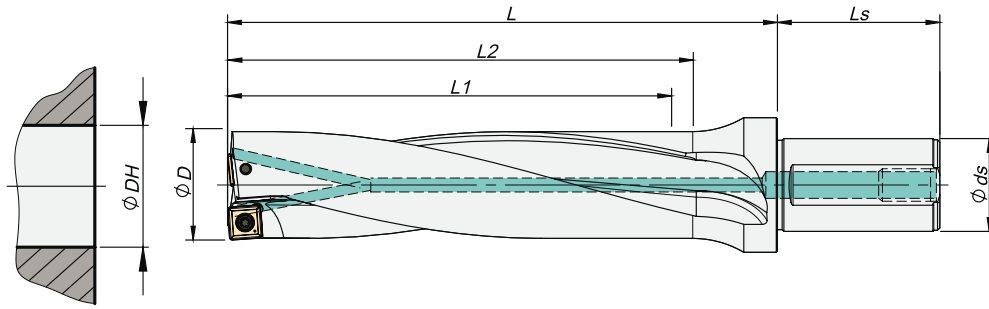
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKWCV 13020-3D	13	20	39	42	62	WC.. 02T104	P0180500	T06
RKWCV 13520-3D	13,5	20	41	44	64	WC.. 02T104	P0180500	T06
RKWCV 14020-3D	14	20	42	45	65	WC.. 02T104	P0180500	T06
RKWCV 14520-3D	14,5	20	44	47	67	WC.. 02T104	P0180500	T06
RKWCV 15020-3D	15	20	45	48	68	WC.. 02T104	P0180500	T06
RKWCV 15520-3D	15,5	20	47	50	70	WC.. 02T104	P0180500	T06
RKWCV 16025-3D	16	25	48	51	76	WC.. 030204	P0220500	T07
RKWCV 16525-3D	16,5	25	50	53	78	WC.. 030204	P0220500	T07
RKWCV 17025-3D	17	25	51	54	79	WC.. 030204	P0220500	T07
RKWCV 17525-3D	17,5	25	53	56	81	WC.. 030204	P0220500	T07
RKWCV 18025-3D	18	25	54	57	82	WC.. 030204	P0220500	T07
RKWCV 18525-3D	18,5	25	56	59	84	WC.. 030204	P0220500	T07
RKWCV 19025-3D	19	25	57	60	85	WC.. 030204	P0220500	T07
RKWCV 19525-3D	19,5	25	59	62	87	WC.. 030204	P0220500	T07
RKWCV 20025-3D	20	25	60	63	88	WC.. 030204	P0220500	T07
RKWCV 20525-3D	20,5	25	62	65	90	WC.. 040204	P0250503	T08
RKWCV 21025-3D	21	25	63	66	91	WC.. 040204	P0250503	T08
RKWCV 21525-3D	21,5	25	65	68	93	WC.. 040204	P0250503	T08
RKWCV 22025-3D	22	25	66	69	94	WC.. 040204	P0250503	T08
RKWCV 22525-3D	22,5	25	68	71	96	WC.. 040204	P0250503	T08
RKWCV 23025-3D	23	25	69	72	97	WC.. 040204	P0250503	T08
RKWCV 23525-3D	23,5	25	71	74	99	WC.. 040204	P0250503	T08
RKWCV 24025-3D	24	25	72	75	100	WC.. 040204	P0250503	T08
RKWCV 24525-3D	24,5	25	74	77	102	WC.. 040204	P0250503	T08
RKWCV 25025-3D	25	25	75	78	103	WC.. 040204	P0250503	T08
RKWCV 25532-3D	25,5	32	77	80	110	WC.. 050308	P0300701	T08
RKWCV 26032-3D	26	32	78	81	111	WC.. 050308	P0300701	T08
RKWCV 26532-3D	26,5	32	80	83	113	WC.. 050308	P0300701	T08
RKWCV 27032-3D	27	32	81	84	114	WC.. 050308	P0300701	T08
RKWCV 27532-3D	27,5	32	83	86	113	WC.. 050308	P0300701	T08
RKWCV 28032-3D	28	32	84	87	117	WC.. 050308	P0300701	T08
RKWCV 28532-3D	28,5	32	86	89	119	WC.. 050308	P0300701	T08
RKWCV 29032-3D	29	32	87	90	120	WC.. 050308	P0300701	T08
RKWCV 29532-3D	29,5	32	89	92	122	WC.. 050308	P0300701	T08
RKWCV 30032-3D	30	32	90	93	123	WC.. 050308	P0300701	T08
RKWCV 31032-3D	31	32	93	96	126	WC.. 06T308	P0350903	T15
RKWCV 32032-3D	32	32	96	99	129	WC.. 06T308	P0350903	T15
RKWCV 33032-3D	33	32	99	102	132	WC.. 06T308	P0350903	T15
RKWCV 34032-3D	34	32	102	105	135	WC.. 06T308	P0350903	T15
RKWCV 35032-3D	35	32	105	108	138	WC.. 06T308	P0350903	T15




BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKWCV 36032-3D	36	32	108	111	141	WC.. 06T308	P0350903	T15
RKWCV 37032-3D	37	32	111	114	144	WC.. 06T308	P0350903	T15
RKWCV 38032-3D	38	32	114	117	147	WC.. 06T308	P0350903	T15
RKWCV 39032-3D	39	32	117	120	150	WC.. 06T308	P0350903	T15
RKWCV 40032-3D	40	32	120	123	153	WC.. 06T308	P0350903	T15
RKWCV 41032-3D	41	32	123	126	156	WC.. 06T308	P0350903	T15
RKWCV 42040-3D	42	40	126	129	164	WC.. 080408	P0401101	T15
RKWCV 43040-3D	43	40	129	132	167	WC.. 080408	P0401101	T15
RKWCV 44040-3D	44	40	132	135	170	WC.. 080408	P0401101	T15
RKWCV 45040-3D	45	40	135	138	173	WC.. 080408	P0401101	T15
RKWCV 46040-3D	46	40	138	141	176	WC.. 080408	P0401101	T15
RKWCV 47040-3D	47	40	141	144	179	WC.. 080408	P0401101	T15
RKWCV 48040-3D	48	40	144	147	182	WC.. 080408	P0401101	T15
RKWCV 49040-3D	49	40	147	150	185	WC.. 080408	P0401101	T15
RKWCV 50040-3D	50	40	150	153	188	WC.. 080408	P0401101	T15
RKWCV 51040-3D	51	40	153	156	191	WC.. 080408	P0401101	T15
RKWCV 52040-3D	52	40	156	159	194	WC.. 080408	P0401101	T15
RKWCV 53040-3D	53	40	159	162	197	WC.. 080408	P0401101	T15
RKWCV 54040-3D	54	40	162	165	200	WC.. 080408	P0401101	T15
RKWCV 55040-3D	55	40	165	168	203	WC.. 080408	P0401101	T15
RKWCV 56040-3D	56	40	168	171	206	WC.. 080408	P0401101	T15
RKWCV 57040-3D	57	40	171	174	209	WC.. 080408	P0401101	T15
RKWCV 58040-3D	58	40	174	177	212	WC.. 080408	P0401101	T15








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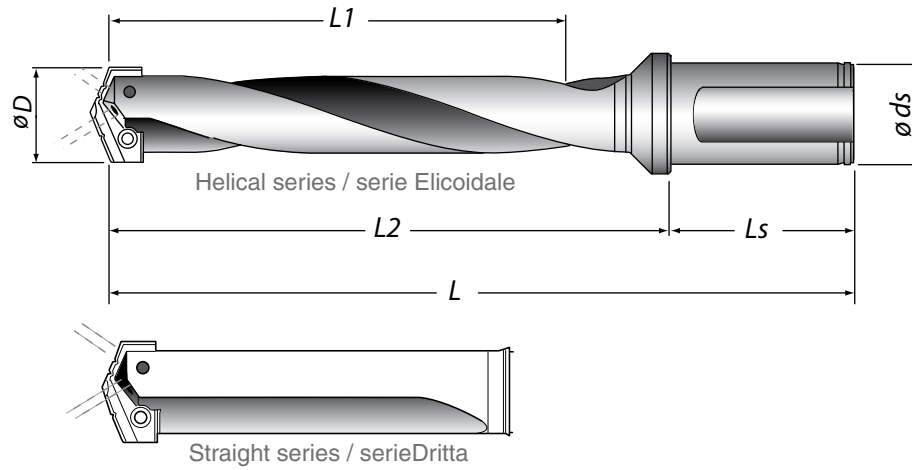
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKSPV 13020-3D	13	20	39	42	62	SP.. 050204	P0200500	T06
RKSPV 13520-3D	13,5	20	41	44	64	SP.. 050204	P0200500	T06
RKSPV 14020-3D	14	20	42	45	65	SP.. 050204	P0200500	T06
RKSPV 14520-3D	14,5	20	44	47	67	SP.. 050204	P0200500	T06
RKSPV 15020-3D	15	20	45	48	68	SP.. 050204	P0200500	T06
RKSPV 15525-3D	15,5	25	47	50	70	SP.. 060204	P0220500	T07
RKSPV 16025-3D	16	25	48	51	76	SP.. 060204	P0220500	T07
RKSPV 16525-3D	16,5	25	50	53	78	SP.. 060204	P0220500	T07
RKSPV 17025-3D	17	25	51	54	79	SP.. 060204	P0220500	T07
RKSPV 17525-3D	17,5	25	53	56	81	SP.. 060204	P0220500	T07
RKSPV 18025-3D	18	25	54	57	82	SP.. 060204	P0220500	T07
RKSPV 18525-3D	18,5	25	56	59	84	SP.. 060204	P0220500	T07
RKSPV 19025-3D	19	25	57	60	85	SP.. 060204	P0220500	T07
RKSPV 19525-3D	19,5	25	59	62	87	SP.. 060204	P0220500	T07
RKSPV 20025-3D	20	25	60	63	88	SP.. 060204	P0220500	T07
RKSPV 20525-3D	20,5	25	62	65	90	SP.. 060204	P0220500	T07
RKSPV 21025-3D	21	25	63	66	91	SP.. 060204	P0220500	T07
RKSPV 21525-3D	21,5	25	65	68	93	SP.. 060204	P0220500	T07
RKSPV 22032-3D	22	32	66	69	99	SP.. 07T308	P0250704	T08
RKSPV 22532-3D	22,5	32	68	71	101	SP.. 07T308	P0250704	T08
RKSPV 23032-3D	23	32	69	72	102	SP.. 07T308	P0250704	T08
RKSPV 23532-3D	23,5	32	71	74	104	SP.. 07T308	P0250704	T08
RKSPV 24032-3D	24	32	72	75	105	SP.. 07T308	P0250704	T08
RKSPV 24532-3D	24,5	32	74	77	107	SP.. 07T308	P0250704	T08
RKSPV 25032-3D	25	32	75	78	108	SP.. 07T308	P0250704	T08
RKSPV 25532-3D	25,5	32	77	80	110	SP.. 07T308	P0250704	T08
RKSPV 26032-3D	26	32	78	81	111	SP.. 07T308	P0250704	T08
RKSPV 26532-3D	26,5	32	80	83	113	SP.. 07T308	P0250704	T08
RKSPV 27032-3D	27	32	81	84	114	SP.. 07T308	P0250704	T08
RKSPV 27532-3D	27,5	32	83	86	116	SP.. 07T308	P0250704	T08
RKSPV 28032-3D	28	32	84	87	117	SP.. 090408	P0350903	T15
RKSPV 28532-3D	28,5	32	86	89	119	SP.. 090408	P0350903	T15
RKSPV 29032-3D	29	32	87	90	120	SP.. 090408	P0350903	T15
RKSPV 29532-3D	29,5	32	89	93	123	SP.. 090408	P0350903	T15
RKSPV 30032-3D	30	32	90	95	125	SP.. 090408	P0350903	T15
RKSPV 31032-3D	31	32	93	98	128	SP.. 090408	P0350903	T15
RKSPV 32032-3D	32	32	96	101	131	SP.. 090408	P0350903	T15
RKSPV 33032-3D	33	32	99	104	134	SP.. 090408	P0350903	T15
RKSPV 34040-3D	34	40	102	107	142	SP.. 110408	P0401200	T15
RKSPV 35040-3D	35	40	105	110	145	SP.. 110408	P0401200	T15

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKSPV 36040-3D	36	40	108	113	148	SP.. 110408	P0401200	T15
RKSPV 37040-3D	37	40	11	116	151	SP.. 110408	P0401200	T15
RKSPV 38040-3D	38	40	114	119	154	SP.. 110408	P0401200	T15
RKSPV 39040-3D	39	40	117	122	157	SP.. 110408	P0401200	T15
RKSPV 40040-3D	40	40	120	125	160	SP.. 110408	P0401200	T15
RKSPV 41040-3D	41	40	123	128	163	SP.. 110408	P0401200	T15
RKSPV 42040-3D	42	40	126	131	166	SP.. 140512	P0501300	T20
RKSPV 43040-3D	43	40	129	134	169	SP.. 140512	P0501300	T20
RKSPV 44040-3D	44	40	132	137	172	SP.. 140512	P0501300	T20
RKSPV 45040-3D	45	40	135	140	175	SP.. 140512	P0501300	T20
RKSPV 46040-3D	46	40	138	143	178	SP.. 140512	P0501300	T20
RKSPV 47040-3D	47	40	141	146	181	SP.. 140512	P0501300	T20
RKSPV 48040-3D	48	40	144	149	184	SP.. 140512	P0501300	T20
RKSPV 49040-3D	49	40	147	152	187	SP.. 140512	P0501300	T20
RKSPV 50040-3D	50	40	150	155	190	SP.. 140512	P0501300	T20





**EINZELEINSATZBOHRUNG
FORATURA MONO INSERTO
SINGLE INSERT DRILLING**



ATTACCO WELDON - Weldon Shank

CODICE / Code	Ø D da / a (from / to)	Ø ds	L1	L2	L	LS	INSERTO Insert Type	SCARICO Flute Type
RK130 - 175 - U63 - W20	13 - 17,5	20	63,5	92	142	50	HSS M48.. Da Ø 13 a Ø 17,5 From Ø 13 To Ø 17,5	Elicoidale / Helical
RK130 - 175 - U114 - W20	13 - 17,5	20	114,3	143	193	50		Elicoidale / Helical
RK130 - 175 - U177 - W20	13 - 17,5	20	177,8	206	256	50		Elicoidale / Helical
RK130 - 175 - U295D - W20	13 - 17,5	20	295	324	374	50		Dritto / Straight
RK130 - 175 - U387D - W20	13 - 17,5	20	387	416	466	50		Dritto / Straight
RK155 - 175 - U63 - W20	15,5 - 17,5	20	63,5	92	142	50	HSS M48.. Da Ø 15,5 a Ø 17,5 From Ø 15,5 To Ø 17,5	Elicoidale / Helical
RK155 - 175 - U114 - W20	15,5 - 17,5	20	114,3	143	193	50		Elicoidale / Helical
RK155 - 175 - U177 - W20	15,5 - 17,5	20	177,8	206	256	50		Elicoidale / Helical
RK180 - 240 - U117 - W25	18 - 24	25	117,5	155	210	56	HSS M48.. Da Ø 18 a Ø 24 From Ø 18 To Ø 24	Elicoidale / Helical
RK180 - 240 - U168 - W25	18 - 24	25	168,3	205	260	56		Elicoidale / Helical
RK180 - 240 - U269 - W25	18 - 24	25	269,9	307	363	56		Elicoidale / Helical
RK180 - 240 - U457D - W25	18 - 24	25	457	495	550	56		Dritto / Straight
RK180 - 240 - U569D - W25	18 - 24	25	569	603	660	56		Dritto / Straight
RK250 - 350 - U136 - W32	25 - 35	32	136,5	180	240	60	HSS M48.. Da Ø 25 a Ø 35 From Ø 25 To Ø 35	Elicoidale / Helical
RK250 - 350 - U187 - W32	25 - 35	32	187,3	230	290	60		Elicoidale / Helical
RK250 - 350 - U288 - W32	25 - 35	32	288,9	332	392	60		Elicoidale / Helical
RK250 - 350 - U511D - W32	25 - 35	32	511	554	615	60		Dritto / Straight
RK250 - 350 - U692D - W32	25 - 35	32	692	735	796	60		Dritto / Straight
RK360 - 470 - U165 - W40	36 - 47	40	165,1	218	289	70	HSS M48.. Da Ø 36 a Ø 47 From Ø 36 To Ø 47	Elicoidale / Helical
RK360 - 470 - U - W40	36 - 47	40	209,6	262	332	70		Elicoidale / Helical

Ordinabile su richiesta
ordered on request

INSERTI INTERCAMBIABILI CON / INTERCHANGEABLE INSERTS WITH: AMEC / YG1 / ARNO



GRADE GRADI	ISO RATING	COATING RICOPRIMENTO	DESCRIPTION AND APPLICATION DESCRIZIONE E APPLICAZIONI
RKHP103	P01 - P05	PVD	PVD coated sub micro-grain grade suitable for light finishing operation on steel or hardened steels. This is the first choice for finishing on mould steel.
	H10 - H20		
RKHP910	P05 - P10	PVD (TiAlN SN)	PVD (TiAlN SN) coated carbide grade with a very hard micro grain substrate for light milling of steels, cast irons and some hardened steel.
	K05 - K10		
RKHP920	P10 - P35	PVD-TiAlN	An advanced PVD TiAlN coated grade over a tough wear resistance sub-micro substrate for general purpose machining of stainless steels & titanium alloys.
	M10 - M25		
	K10 - K30		
	S10 - S30		
RKHP930	P20 - P40	PVD	Micro-grain carbide grade suitable for applications with instability conditions. Excellent solution for medium cutting speed applications.
	M20 - M30		
	K20 - K40		
RKHP740	P30 - P50	PVD (TiAlN SN)	PVD (TiAlN SN) large thickness coated grade for heavy roughing applications. Can work on all type of materials and endures a lot of vibration.
	M30 - M50		
	K30 - K40		
	S30 - S40		
RKHP705	K05 - K15	PVD (TiAlN SN)	PVD (TiAlN SN) coated carbide grade with a hard substrate and very smooth surface. Ideal for high speed cutting of cast irons.
RKHP125	P20 - P30	PVD	PVD coated carbide grade for light to heavy milling (wet and dry) in steel at elevated temperature (e.g. in hardened steels or prehardened steels). Excellent grade to milling of mould steels at high productivity.
RKHP135	P30 - P40	PVD	PVD coated carbide for toughness demanding operations in milling of steels. Excellent solutions for instable applications and can be apply in wet or dry.
RKHP325	K10 - K30	PVD (TiAlN SN)	PVD (TiAlN SN) coated carbide grade designed for medium to roughing of grey and nodular cast irons with excellent tool life at low to medium cutting speeds.
RKHC705	K05 - K15	MT-CVD	MT-CVD coated carbide grade with a hard substrate and very smooth surface. Ideal for high speed cutting of cast irons.
RKHC740	K30 - K40	CVD	Substrate grade binary (Wc & Co) with medium grain size combined with the medium temperature coating. Suitable for roughing operations of cast irons with interrupted cut at medium to low cutting speeds.
RKHCBN	H01 - H05	CBN	<i>Cubic Boron Nitride</i> grade for finishing of hardened steel and cast iron.
RKHPCD	N01 - N20	PCD	<i>Polycrystalline Diamond</i> grade for finishing and semi finishing of non-ferrous metallic materials. It is a excellent solution for aluminium alloys with low content of Si.
RKHX910	K01 - P10	UNCOATED <i>non ricoperto</i>	<i>Uncoated</i> carbide micro-grain grade combining a good abrasive wear resistance and toughness. Suitable for rough to finish operation of HRSA, Titanium alloys, cast irons and Aluminium alloys.
	N01 - N20		





LEITFADEN AUSWAHL LEGIERUNGEN
GUIDA ALLA SCELTA DELLE LEGHE
GUIDE SELECTIONS ALLOYS

Steel, Malleable Iron / *Acciai Malleabili*

Non-Ferrous Alloys / *Acciai non Ferrosi*

Stainless Steel / *Acciai Inossidabili*

High Temp. Resistant / *Acciai Refrattari*

Cast Iron / *Ghise*

Hardened Steel, Iron / *Acciai Temprati*

GRADE GRADI	P										M					K					N					S					H												
	05	10	15	20	25	30	35	40	45	50	10	20	30	40	50	05	10	15	20	25	30	35	40	05	10	15	20	25	30	10	15	20	25	30	35	40	05	10	15	20	25	30	
RKHP103	■																																										
RKHP910	■	■														■	■																										
RKHP920		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							■	■	■	■	■	■	■							
RKHP930			■	■	■	■	■	■	■	■	■	■	■	■	■																												
RKHP740				■	■	■	■	■	■	■	■	■	■	■	■																						■	■	■	■	■	■	■
RKHP705																■	■	■	■	■	■	■	■																				
RKHP125			■	■	■	■	■	■	■	■																																	
RKHP135				■	■	■	■	■	■	■																																	
RKHP325																■	■	■	■	■	■	■	■																				
RKH705																■	■	■	■	■	■	■	■																				
RKH740																																											
RKHCBN																																					■	■	■	■	■	■	■
RKHPCD																														■	■	■	■	■	■	■							
RKH910																■	■	■	■	■	■	■	■							■	■	■	■	■	■	■							



H	120°	M	86°
O	135°	V	35°
P	108°	W	80°
S	90°	L	90°
T	60°	A	85°
C	80°	B	82°
D	55°	K	55°
E	75°	R	
F	50°	X	Special Geometries

Symbol for insert shape

Symbol	m (mm)	d (mm)	s (mm)	Detailed dimension of M class insert Tolerances of insert height (mm)						
A	±0.005	±0.025	±0.025	Inscribed circle						
F	±0.005	±0.013	±0.025	6.35	±0.08	-	-	-	-	-
C	±0.013	±0.025	±0.025	9.525	±0.08	±0.08	±0.08	±0.11	±0.13	
H	±0.013	±0.013	±0.025	12.70	±0.13	±0.13	±0.13	±0.15	-	
E	±0.025	±0.025	±0.025	15.875	±0.15	±0.15	±0.15	±0.18	-	
G	±0.025	±0.025	±0.13	19.05	±0.15	±0.15	±0.15	±0.18	-	
J	±0.005	±0.05~±0.13	±0.025	25.40	-	±0.18	-	-	-	
K*	±0.013	±0.05~±0.13	±0.025	31.75	-	±0.25	-	-	-	
L*	±0.025	±0.05~±0.13	±0.025	Tolerances of inscribed circle (mm)						
M*	±0.08~±0.18	±0.05~±0.13	±0.13	Inscribed circle						
N*	±0.08~±0.18	±0.05~±0.13	±0.025	6.35	±0.05	-	-	-	-	-
U*	±0.13~±0.38	±0.08~±0.25	±0.13	9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
				12.70	±0.08	±0.08	±0.08	±0.08	-	±0.08
				15.875	±0.10	±0.10	±0.10	±0.10	-	±0.10
				19.05	-	-	-	-	-	±0.10
				25.40	-	±0.13	-	-	-	±0.10
				31.75	-	±0.20	-	-	-	±0.12

* As a rule, the sides of these inserts are as sintered. Tolerance differs with insert size, for the accuracy of Class M, refer to the table on the right.

Symbol for tolerances

A	B	C	D	E
F	G	N	P	O

Symbol for normal Clearance

ISO **A P K T**

Type of chipbreaker and/or clamping														
Metrical														
Symbol	Type	Type of hole	Chipbreaker	Shape	Symbol	Type	Type of hole	Chipbreaker	Shape	Symbol	Type	Type of hole	Chipbreaker	Shape
W	With Hole	Round hole / one countersink (40°~60°)	Without chipbreaker		H	With Hole	Round hole / double countersink (70°~90°)	Chipbreaker on one side		G	With Hole	Round hole	Chipbreaker on both sides	
T	With Hole	Round hole / one countersink (40°~60°)	Chipbreaker on one side		C	With Hole	Round hole / double countersink (70°~90°)	Without chipbreaker		N	Without Hole	-	Without chipbreaker	
Q	With Hole	Round hole / double countersink (40°~60°)	Without chipbreaker		J	With Hole	Round hole / double countersink (70°~90°)	Chipbreaker on both sides		R	Without Hole	-	Chipbreaker on one side	
U	With Hole	Round hole / double countersink (40°~60°)	Chipbreaker on both sides		A	With Hole	Round hole	Without chipbreaker		F	Without Hole	-	Chipbreaker on both sides	
B	With Hole	Round hole / double countersink (70°~90°)	Without chipbreaker		M	With Hole	Round hole	Chipbreaker on one side		X	-	-	-	On request



FRÄSEINSÄTZE ISO IDENTIFIKATIONSSYSTEM
SISTEMA IDENTIFICATIVO ISO PER INSERTI FRESATURA
MILLING INSERTS ISO IDENTIFICATION SYSTEM

R's	V's	D's	C's	S's	T's	W's	Ø CI		ANSI Symbol
							mm	inch	
-	06	04	-	03	06	02	3,97	5/32	1,20
-	08	05	04	04	08	L3	4,76	3/16	1,50
-	09	06	05	05	09	03	5,56	7/32	1,80
06**	-	-	-	-	-	-	6,00	0,236	
06*	11	07	06	06	11	04	6,35	1/4	2,00
07*	13	09	08	07	13	05	7,95	5/16	2,50
08*	-	-	-	-	-	-	8,00	0,315	
09*	16	11	09	09	16	06	9,525	3/8	3,00
10**	-	-	-	-	-	-	10,00	0,394	
12**	-	-	-	-	-	-	12,00	0,472	
12*	22	15	12	12	22	08	12,70	1/2	4,00
15*	27	19	16	15	27	10	15,875	5/8	5,00
16**	-	-	-	-	-	-	16,00	0,63	
19*	33	23	19	19	33	13	19,05	3/4	6,00
20**	-	-	-	-	-	-	20,00	0,787	
25**	-	-	-	-	-	-	25,00	0,984	
25*	44	31	25	25	44	17	25,40	1,00	8,00
31*	54	38	32	31	54	21	31,75	1 1/4	10,00
32**	-	-	-	-	-	-	32,00	1,26	

* ANSI designation only (Radius Designation is 00)
 ** Metric designation only (Radius Designation is M0)
 According to International Standard ISO 1832 -
 - 2004 "Indexable inserts for cutting tools - Designation"

* Designazione ANSI Raggio = 00
 ** Designazione Metrica Raggio = M0

ISO	mm	ANSI	inch
01	1.59	1	0.062
T1	1.98	1.2	0.078
02	2.38	1.5	0.094
03	3.18	2	0.125
T3	3.97	2.5	0.156
04	4.76	3	0.188
05	5.56	3.5	0.219
06	6.35	4	0.250
07	7.94	5	0.312
09	9.52	6	0.375
12	12.70	8	0.500

Symbol for insert size

Symbol for insert thickness

16 04 08 PD T R

ISO	mm	inch	ANSI
00	Sharp nose		0
02	0.20	.008	0.5
04	0.40	.015	1
08	0.80	.032	2
12	1.2	.047	3
16	1.6	.062	4
20	2.0	.078	5
24	2.4	.094	6
28	2.078	.109	7
32	3.18	.125	8
	Round insert		0

Symbol for insert with secondary edges			
For inserts having secondary edges two digits are user:			
1st Digit is secondary edge		2nd Digit is secondary relief angle	
A	45°	A	3°
D	60°	B	5°
E	75°	C	7°
F	85°	D	15°
P	90°	E	20°
Z	special	F	25°
		G	30°
		N	0°
		P	11°

Cutting Edge condition		
Shape	Honing	Symbol
	No honing	F
	With honing	E
	Chamfred no honing	T
	Chamfred with honing	S

* We use handing symbols (R,L) only, omitting honing symbols


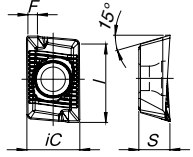

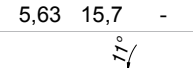

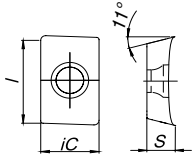
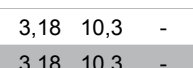



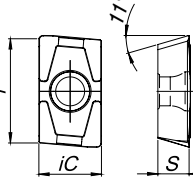

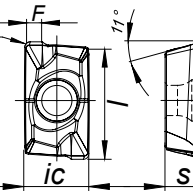
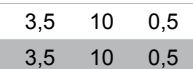
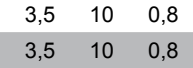
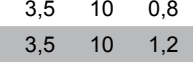
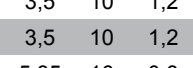

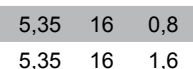
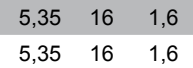
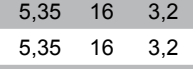
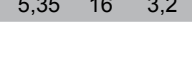

Direction of cutting		
Shape	Hand	Symbol
	Right	R
	Left	L
	None	N



WECHSELPLATTEN FÜR FRÄSEN
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

GRADI / Grades


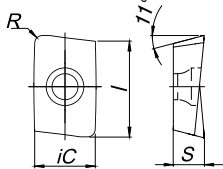

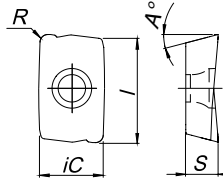

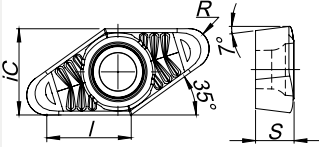

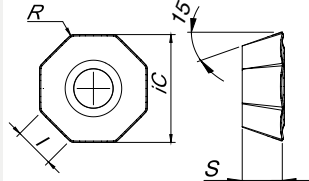

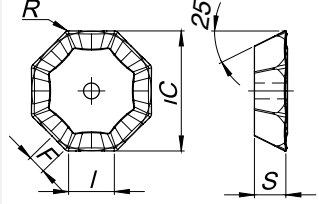
ISO CODICE / Code	GRADI / Grades													IC	S	L	R	F															
	P			M	K						N	S	H																				
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKH910	RKHPCD	RKH910	RKHP920	RKHP740	RKHP103	RKHCBN								
												●																	9,54	5,63	15,7	-	1,6
ADKT 1505 PDRS		●							●																				9,54	5,63	15,7	-	1,6
ADKT 1505 PDTR		●					●		●																				9,54	5,63	15,7	-	1,6
																						●							6,70	3,18	10,3	-	-
APHT 1003 - Alu																						●							6,70	3,18	10,3	-	-
APEX 1604 PD FR VA																						●							9,52	4,76	16,4	-	-
APHT 1604 - Alu																						●							9,52	4,76	16,4	-	-
			●				●		●																				9,52	4,76	16,4	-	-
			●						●																				6,70	3,5	10	0,5	1,2
APKT 100305 PDSR-X1			●						●																				6,70	3,5	10	0,5	1,2
APKT 100308 PDER-X			●						●																				6,70	3,5	10	0,8	0,9
APKT 100308 PDTR-X			●						●																				6,70	3,5	10	0,8	0,9
APKT 100308 PDSR-X			●						●																				6,70	3,5	10	0,8	0,9
APKT 100312 PDER-X			●						●																				6,70	3,5	10	1,2	-
APKT 100312 PDTR-X			●						●																				6,70	3,5	10	1,2	-
APKT 100312 PDSR-X			●						●																				6,70	3,5	10	1,2	-
APKT 160408 PDER-X1			●						●																				9,45	5,35	16	0,8	1,76
APKT 160408 PDSR-X1			●						●																				9,45	5,35	16	0,8	-
APKT 160408 PDSR			●	●			●		●			●																	9,45	5,35	16	0,8	1,76
APKT 160408 PDTR			●				●		●			●																	9,45	5,35	16	0,8	1,76
APKT 160416 PDER-X	●	●	●						●			●																	9,45	5,35	16	1,6	1,20
APKT 160416 PDSR-X		●	●						●			●																	9,45	5,35	16	1,6	1,20
APKT 160416 PDTR-X		●	●						●			●																	9,45	5,35	16	1,6	1,20
APKT 160432 PDER-X			●						●			●																	9,45	5,35	16	3,2	-
APKT 160432 PDSR-X			●						●			●																	9,45	5,35	16	3,2	-
APKT 160432 PDTR-X			●						●			●																	9,45	5,35	16	3,2	-



WECHSELPLATTEN FÜR FRÄSEN
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST






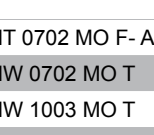
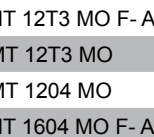


GRADI / Grades

ISO CODICE / Code	GRADI / Grades																IC	S	L	R	F												
	P			M			K						N		S							H											
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKH910	RKHPCD	RKH910	RKHP920	RKHP740	RKHP103	RKHCBN								
																																	
APHT 100306 ER V3		●					●			●																		6,70	3,5	10,5	0,6	-	
APHT 100310 ER V3		●					●			●																		6,70	3,5	10,5	1,0	-	
APHT 100315 ER V3		●					●			●																		6,70	3,5	10,5	1,5	-	
APHT 100320 ER V3		●					●			●																		6,70	3,5	10,5	2,0	-	
APHT 100325 ER V3		●					●			●																		6,70	3,5	10,5	2,5	-	
APHT 100330 ER V3		●					●			●																		6,70	3,5	10,5	0,8	-	
																																	
AXMT 11T308 E VE		●					●			●												●						6,80	3,50	11	0,8	21	
AXMT 170408 E VE		●					●			●												●						9,60	4,70	17	0,8	19	
AXMT 170412 E VE		●					●			●												●						9,60	4,70	17	1,2	19	
AXMT 170420 E VE		●					●			●												●						9,60	4,70	17	2,0	19	
AXMT 180612 E VE		●					●			●												●						11,0	6,35	16,7	1,2	15	
																																	
VCGX 220530 LN																						●						12,7	5,60	12,7	3,00	-	
																																	
ODHT 050408X E V2		●					●			●																		12,7	4,76	5	0,8	-	
ODHT 060508X E V2		●					●			●																		15,8	5,56	6	0,8	-	
ODHW 060508 TN		●					●			●												●						15,8	5,56	6	0,8	-	
																																	
OFEN 070405 TN		●					●			●												●						18	4,76	7,4	0,5	2,2	
OFKR 070408 TN-MP		●					●			●												●						18	4,76	7,4	0,8	1,6	




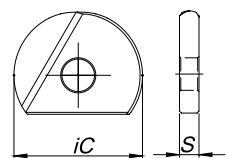

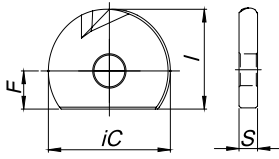

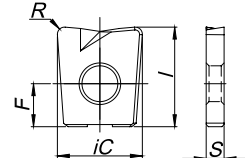
WECHSELPLATTEN FÜR FRÄSEN
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

ISO CODICE / Code	GRADI / Grades																				IC	S	L	R	F						
	P					M		K								N		S		H											
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKHX910	RKHPCD						RKHX910	RKHP920	RKHP740	RKHP103	RKHCBN	
			●				●				●																12,7	3,97	5	0,8	-
			●				●	●															●				12	4,76	-	-	-
			●				●																●				12	4,76	-	-	-
			●				●																●				16	6,35	-	-	-
			●				●																●				12	4,76	-	-	-
			●				●																●				16	6,35	-	-	-
			●				●																●				20	6,35	-	-	-
																						●					7,0	2,38	-	-	-
			●				●																●				7,0	2,38	-	-	-
			●				●																●				10	3,18	-	-	-
			●				●																●				10	3,18	-	-	-
			●				●					●											●				10	3,18	-	-	-
			●				●																●				12	3,97	-	-	-
																						●					12	3,97	-	-	-
			●				●					●											●				12	3,97	-	-	-
			●				●					●											●				12	3,97	-	-	-
																						●					16	4,76	-	-	-
			●				●																●				16	4,76	-	-	-
			●				●					●											●				16	4,76	-	-	-

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

GRADI / Grades


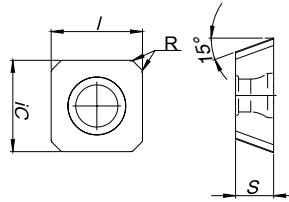

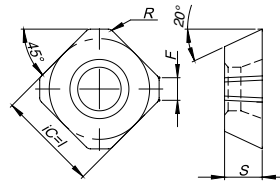

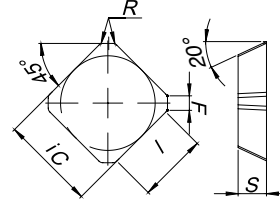

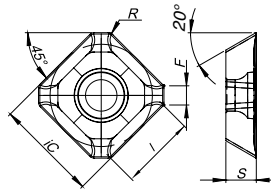

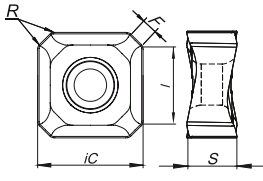
ISO CODICE / Code	GRADI / Grades																IC	S	L	R	F												
	P			M			K						N		S							H											
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKHX910	RKHPCD	RKHX910	RKHP920	RKHP740	RKHP103	RKHCBN								
																																	
AWR 10			●																									10	2,6	-	-	-	
AWR 12			●																									12	3	-	-	-	
AWR 16			●																			●						16	4	-	-	-	
AWR 20			●																			●						20	5	-	-	-	
AWR 25			●																									25	6	-	-	-	
AWR 32			●																									32	7	-	-	-	
																																	
WPR SN 08			●								●																	8	2	9,5	-	4	
WPR SN 10			●								●																	10	2,5	9,5	-	5	
WPR SN 12			●								●																	12	2,5	11,9	-	6	
WPR SN 16			●								●																	16	3	13,9	-	6	
WPR SN 20			●								●																	20	3	15,9	-	6	
WPR SN 25			●								●																	25	4	21,5	-	9	
WPR SN 32			●								●																	32	5	25,9	-	10	
																																	
WPB SN-S 0805			●								●																	8	2	9,5	0,5	4	
WPB SN-S 1010			●								●																	10	2,5	11,5	1,0	5	
WPB SN-S 1210			●								●																	12	2,5	13,9	1,0	6	
WPB SF 1210																						●						16	3	15,9	1,0	6	
WPB SN-S 1610			●								●																	12	2,5	13,9	1,0	6	
WPB SF 1610																						●						16	3	15,9	1,0	6	
WPB SN-S 1613			●								●																	16	3	15,9	1,3	6	
WPB SN-S 2010			●								●																	20	3	17,9	1,0	6	
WPB SN-S 2016			●								●																	20	3	17,9	1,6	6	
WPB SN-S 2520			●								●																	25	4	23,5	2,0	9	
WPB SN-S 3225			●								●																	32	5	25,9	2,5	10	



WECHSELPLATTEN FÜR FRÄSEN
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INTERCHANGEABLE MILLING INSERTS

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GRADI / Grades

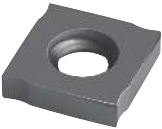
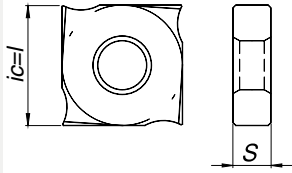

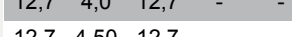

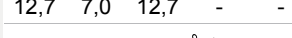

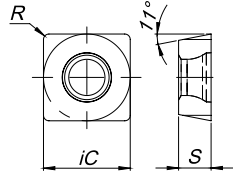


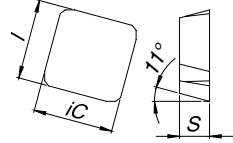
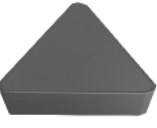
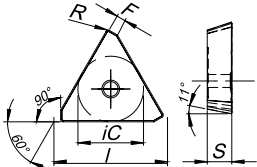
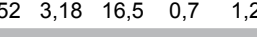

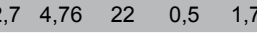

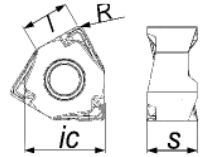

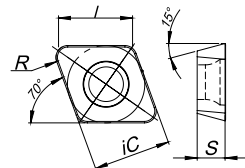

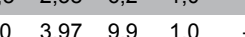
ISO CODICE / Code	P			M			K							N		S		H		IC	S	L	R	F								
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKHX910						RKHPCD	RKHX910	RKHP920	RKHP740	RKHP103	RKHCBN		
 SDHT 120408 E VE			●				●				●																	12,7	4,76	12,7	0,8	-
SDKT 1204 AETN			●				●				●																	12,7	4,76	12,7	-	2,3
 SEHT 1204 AFEN			●				●				●																	12,7	4,76	12,7	-	2,8
SEHT 1204 AFTN			●				●				●																	12,7	4,76	12,7	-	2,8
SEHT 1204 AF - Alu																				●								12,7	4,76	12,7	-	2,0
SEHW 1204 AFEN			●				●				●													●				12,7	4,76	12,7	-	2,8
SEHW 1204 AFTN			●				●				●																	12,7	4,76	12,7	-	2,8
 SEHN 1203 AFTN			●								●																	12,7	3,18	9,5	0,8	2,5
SEHN 1204 AFTN			●								●																	12,7	4,76	9,5	0,8	2,5
 SEHT 13T3 AGSN			●				●				●																	13,3	3,97	10	-	2,0
SEHT 13T3 AGFN-LN																				●								13,3	3,97	10	-	2,3
 SNMX 1205 ANN-V2			●				●				●																	12,7	6,35	12,7	0,8	2
SNMX 1206 ANN-V2			●				●				●																	12,7	6,35	12,7	0,8	2



WECHSELPLATTEN FÜR FRÄSEN
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GRADI / Grades

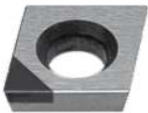
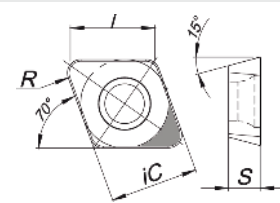

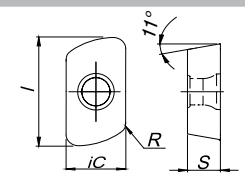

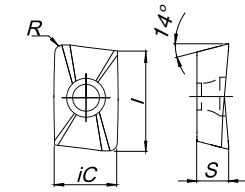

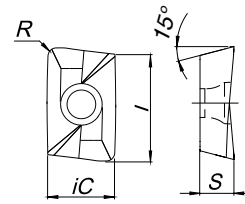

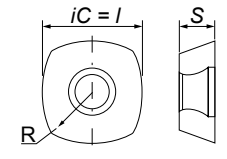
ISO CODICE / Code	P			M			K							N	S	H	IC	S	L	R	F											
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325						RKHC705	RKHC740	RKHX910	RKHPCD	RKHX910	RKHP920	RKHP740	RKHP103	RKHCBN		
		●					●				●																	12,7	3,18	12,7	-	-
SNHX 1204 XX TA		●					●				●																	12,7	4,0	12,7	-	-
SNHX 12045 XX TA		●					●				●																	12,7	4,50	12,7	-	-
SNHX 1205 XX TA		●					●				●																	12,7	5,40	12,7	-	-
SNHX 1207 XX TA		●					●				●																	12,7	7,0	12,7	-	-
		●					●				●										●							12,7	4,76	-	0,8	-
SPMW 120408				●				●				●																12,7	4,76	-	0,8	-
		●									●																	12,7	3,18	12,7	-	-
			●																									9,52	3,18	16,5	0,7	1,2
TPKN 1603 PDTR			●																									9,52	3,18	16,5	0,7	1,2
TPKN 2204 PDER				●																								12,7	4,76	22	0,5	1,7
TPKN 2204 PDSR				●																								12,7	4,76	22	0,5	1,7
			●				●			●											●							12,5	6,47	7,5	0,8	-
		●									●														●			4,0	2,38	4,0	1,0	-
XDHW 060210		●									●														●			6,5	2,38	6,2	1,0	-
XDHW 10T310		●									●														●			10	3,97	9,9	1,0	-



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ISO CODICE / Code	P		M		K								N		S		H		IC	S	L	R	F																														
	RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740						RKHX910	RKHPCD	RKHX910	RKHP920	RKHP740	RKHP103	RKHCBN																							
																																																					
XDHW 040110 FN																																																					
XDHW 040110 TN																																																					
XDHW 060210 FN																																																					
XDHW 060210 TN																																																					
XDHW 10T310 FN																																																					
XDHW 10T310 TN																																																					
																																																					
XPHW 100312 S																																																					
																																																					
XOHX 120408 E V2																																																					
XOHX 120412 E V2																																																					
XOHX 120416 E V2																																																					
XOHX 120420 E V2																																																					
																																																					
XOMX 090308 E V2																																																					
XOMX 090316 E V2																																																					
																																																					
SDHW 1205 ZDSN																																																					
SDNW 1205 ZDSN																																																					

H	120°	M	86°
O	135°	V	35°
P	108°	W	80°
S	90°	L	90°
T	60°	A	85°
C	80°	B	82°
D	55°	K	55°
E	75°	R	
F	50°	X	Special Geometries

Symbol for insert shape

Symbol	m (mm)	d (mm)	s (mm)
A	±0.005	±0.025	±0.025
F	±0.005	±0.013	±0.025
C	±0.013	±0.025	±0.025
H	±0.013	±0.013	±0.025
E	±0.025	±0.025	±0.025
G	±0.025	±0.025	±0.13
J	±0.005	±0.05-±0.13	±0.025
K*	±0.013	±0.05-±0.13	±0.025
L*	±0.025	±0.05-±0.13	±0.025
M*	±0.08-±0.18	±0.05-±0.13	±0.13
N*	±0.08-±0.18	±0.05-±0.13	±0.025
U*	±0.13-±0.38	±0.08-±0.25	±0.13

* As a rule, the sides of these inserts are as sintered. Tolerance differs with insert size, for the accuracy of Class M, refer to the table on the right.

Detailed dimension of M class insert Tolerances of insert height (mm)						
Inscribed circle	T	S	C	D	V	
6.35	±0.08	-	-	-	-	-
9.525	±0.08	±0.08	±0.08	±0.11	±0.13	-
12.70	±0.13	±0.13	±0.13	±0.15	-	-
15.875	±0.15	±0.15	±0.15	±0.18	-	-
19.05	±0.15	±0.15	±0.15	±0.18	-	-
25.40	-	±0.18	-	-	-	-
31.75	-	±0.25	-	-	-	-

Tolerances of inscribed circle (mm)						
Inscribed circle	T	S	C	D	V	R
6.35	±0.05	-	-	-	-	-
9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
12.70	±0.08	±0.08	±0.08	±0.08	-	±0.08
15.875	±0.10	±0.10	±0.10	±0.10	-	±0.10
19.05	-	-	-	-	-	±0.10
25.40	-	±0.13	-	-	-	±0.10
31.75	-	±0.20	-	-	-	±0.12

Symbol for tolerances

A	B	C	D	E
F	G	N	P	O

Symbol for normal Clearance



Type of chipbreaker and/or clamping														
Metrical														
Symbol	Type	Type of hole	Chipbreaker	Shape	Symbol	Type	Type of hole	Chipbreaker	Shape	Symbol	Type	Type of hole	Chipbreaker	Shape
W	With Hole	Round hole / one countersink (40°-60°)	Without chipbreaker		H	With Hole	Round hole / double countersink (70°-90°)	Chipbreaker on one side		G	With Hole	Round hole	Chipbreaker on both sides	
T	With Hole		Chipbreaker on one side		C	With Hole	Round hole / double countersink (70°-90°)	Without chipbreaker		N	Without Hole	-	Without chipbreaker	
Q	With Hole	Round hole / double countersink (40°-60°)	Without chipbreaker		J	With Hole		Chipbreaker on both sides		R	Without Hole	-	Chipbreaker on one side	
U	With Hole		Chipbreaker on both sides		A	With Hole	Round hole	Without chipbreaker		F	Without Hole	-	Chipbreaker on both sides	
B	With Hole	Round hole / double countersink (70°-90°)	Without chipbreaker		M	With Hole	Round hole	Chipbreaker on one side		X	-	-	-	On request



ISO-IDENTIFIKATIONSSYSTEM ZUM DREHEN VON WENDEPLATTEN
SISTEMA IDENTIFICATIVO ISO PER INSERTI TORNITURA
ISO IDENTIFICATION SYSTEM FOR TURNING INSERTS

R's	V's	D's	C's	S's	T's	W's	Ø CI		ANSI Symbol
							mm	inch	
-	06	04	-	03	06	02	3,97	5/32	1,20
-	08	05	04	04	08	L3	4,76	3/16	1,50
-	09	06	05	05	09	03	5,56	7/32	1,80
06**	-	-	-	-	-	-	6,00	0,236	
06*	11	07	06	06	11	04	6,35	1/4	2,00
07*	13	09	08	07	13	05	7,94	5/16	2,50
08*	-	-	-	-	-	-	8,00	0,315	
09*	16	11	09	09	16	06	9,525	3/8	3,00
10**	-	-	-	-	-	-	10,00	0,394	
12**	-	-	-	-	-	-	12,00	0,472	
12*	22	15	12	12	22	08	12,70	1/2	4,00
15*	27	19	16	15	27	10	15,875	5/8	5,00
16**	-	-	-	-	-	-	16,00	0,63	
19*	33	23	19	19	33	13	19,05	3/4	6,00
20**	-	-	-	-	-	-	20,00	0,787	
25**	-	-	-	-	-	-	25,00	0,984	
25*	44	31	25	25	44	17	25,40	1,00	8,00
31*	54	38	32	31	54	21	31,75	1 1/4	10,00
32**	-	-	-	-	-	-	32,00	1,26	

* ANSI designation only (Radius Designation is 00)
 ** Metric designation only (Radius Designation is M0)
 According to International Standard ISO 1832 -
 - 2004 "Indexable inserts for cutting tools - Designation"

* Designazione ANSI Raggio = 00
 ** Designazione Metrica Raggio = M0

Symbol for insert size

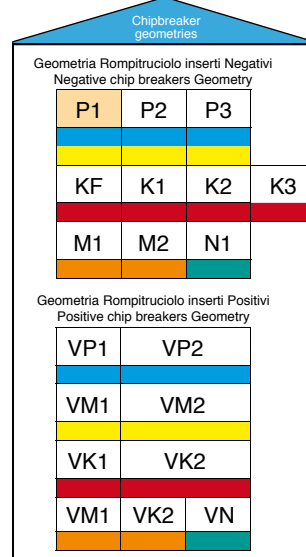
12 04 08 - P1

symbol for insert thickness

ISO	mm	ANSI	inch
01	1.59	1	0.062
T1	1.98	1.2	0.078
02	2.38	1.5	0.094
03	3.18	2	0.125
T3	3.97	2.5	0.156
04	4.76	3	0.188
05	5.56	3.5	0.219
06	6.35	4	0.250
07	7.94	5	0.312
09	9.52	6	0.375
12	12.70	8	0.500

Symbol for insert corner configuration

ISO	mm	inch	ANSI
00	Sharp nose		0
02	0.20	.008	0.5
04	0.40	.015	1
08	0.80	.032	2
12	1.2	.047	3
16	1.6	.062	4
20	2.0	.078	5
24	2.4	.094	6
28	2.8	.109	7
32	3.18	.125	8
	Round insert		0


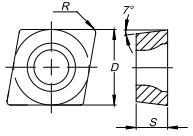

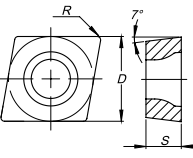

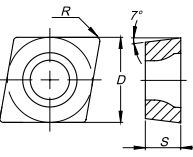

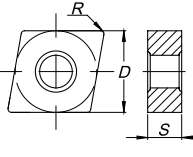


Per la scelta delle geometrie vedere a pag 77
 To choose your geometry look on pag 77



AUSTAUSCHBARE DREHEINWENDEPLATEN
INSERTI DI TORNITURA INTERCAMBIABILI
INTERCHANGEABLE TURNING INSERTS

GRADI / Grades


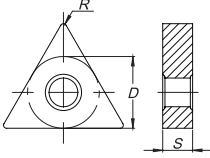

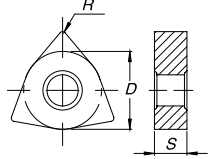

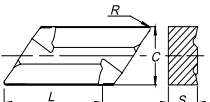
	P								M							K					N	S					D	S	R				
	RKHP910	RKHP325	RKHP920	RKHP225	RKHP705	RKHC115	RKHC125	RKHC135	RKHP910	RKHP325	RKHP920	RKHP225	RKHC115	RKHC125	RKHC740	RKHP325	RKHP705	RKHC740	RKHC320	RKHC705	RKH705	RKH910	RKHP910	RKHP325	RKHP920	RKHP705				RKH705			
																																	
CCMT 060202-VP1								●																							6,35	2,38	0,2
CCMT 060204-VP2								●																							6,35	2,38	0,4
CCMT 060208-VP2								●																							6,35	2,38	0,8
CCMT 09T304-VP2								●																							9,52	3,97	0,4
CCMT 09T308-VP2								●																							9,52	3,97	0,8
CCMT 120404-VP2								●																							12,7	4,76	0,4
CCMT 120408-VP2								●																							12,7	4,76	0,8
CCMT 120412-VP2								●																							12,7	4,76	1,2
																																	
CCGT 060202-VN																							●								6,35	2,38	0,2
CCGT 060204-VN																							●								6,35	2,38	0,4
CCGT 09T302-VN																							●								9,52	3,97	0,2
CCGT 09T304-VN																							●								9,52	3,97	0,4
CCGT 09T308-VN																							●								9,52	3,97	0,8
CCGT 120402-VN																							●								12,7	4,76	0,2
CCGT 120404-VN																							●								12,7	4,76	0,4
CCGT 120408-VN																							●								12,7	4,76	0,8
																																	
CNMA 120408-KF																															12,7	4,76	0,8
CNMA 120412-KF																															12,7	4,76	1,2
CNMA 120416-KF																															12,7	4,76	1,6
CNMA 160608-KF																															15,9	6,35	0,8
CNMA 160612-KF																															15,9	6,35	1,2
CNMA 160616-KF																															15,9	6,35	1,6
																																	
CNMG 120404-P1								●																							12,7	4,76	0,4
CNMG 120408-P3								●						●																	12,7	4,76	0,8
CNMG 120412-P3								●					●																		12,7	4,76	1,2
CNMG 120416-P3								●					●																		12,7	4,76	1,6

● = ARTICOLI IN STOCK - STOCK ITEMS

● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST



GRADI / Grades

	P									M					K				N	S					D	S	R					
	RKHP910	RKHP325	RKHP920	RKHP225	RKHP705	RKHC115	RKHC125	RKHC135	RKHP910	RKHP325	RKHP920	RKHP225	RKHC115	RKHC125	RKHC740	RKHP325	RKHP705	RKHC740	RKHC320	RKHC705	RKH705	RKH910	RKHP910	RKHP325				RKHP920	RKHP705	RKH705		
																																
TNMG 220408-P3							●							●					●										12,7	4,76	0,8	
TNMG 220412-P3							●							●					●										12,7	4,76	1,2	
TNMG 220416-P3							●							●					●										12,7	4,76	1,6	
																																
WNMG 060404-P1							●					●																	9,52	4,76	0,4	
WNMG 060408-P1							●					●																	9,52	4,76	0,8	
WNMG 080408-P1							●					●																	12,7	4,76	0,8	
WNMG 080412-P1							●					●																	12,7	4,76	1,2	
																																
KNUX 160405-L01																													9,52	16,5	4,76	0,5
KNUX 160405-R01																													9,52	16,5	4,76	0,5
KNUX 160410-L02													●																9,52	16,5	4,76	1
KNUX 160410-R02												●																	9,52	16,5	4,76	1

KNUX...-01 = Operazioni di Finitura / *Finishing*

KNUX...-02 = Medie operazioni, Sgrossatura / *Medium*

● = ARTICOLI IN STOCK - *STOCK ITEMS*

● = DISPONIBILE SU RICHIESTA - *AVAILABLE UNDER REQUEST*



SCHNITTGESCHWINDIGKEIT UND VORSCHUBDREHUNG
VELOCITÀ DI TAGLIO E AVANZAMENTI TORNITURA
CUTTING SPEED AND FEED TURNING

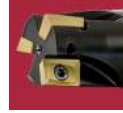
ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	CVD Coating - Ricoprimento CVD											
			VHC115			VHC125			VHC135			VHC740		
			0,2	0,4	0,8	0,2	0,4	0,8	0,2	0,4	0,8	0,2	0,4	0,8
P	Unalloyed steel - Acciai non legati Low-alloyed steel - Acciai bassa tenacità High-alloy steel - Acciai alta tenacità	125-170 180-350 200-325	250-350 190-250 135-220	180-270 170-230 120-205	170-220 140-180 110-200	200-295 170-230 125-215	170-240 140-210 110-185	150-215 120-190 100-170	180-250 150-210 115-210	150-220 120-200 95-180	130-210 100-170 90-155	135-230 125-205 105-205	120-210 105-185 75-175	115-200 95-185 50-135
		HB (Brinell)	PVD Coating - Ricoprimento PVD											
		Grade f _n (mm/rot)	VHP910			VHP920			VHP325			VHP225		
			0,2	0,4	0,8	0,2	0,4	0,8	0,2	0,4	0,8	0,2	0,4	0,8
	Unalloyed steel - Acciai non legati Low-alloyed steel - Acciai bassa tenacità High-alloy steel - Acciai alta tenacità	125-170 180-350 200-325	140-230 130-220 -	130-225 125-215 -	115-215 110-210 -	130-225 125-215 -	120-230 115-210 -	150-210 150-210 -	190-230 180-220 -	170-220 160-210 -	150-200 150-200 -	170-220 170-210 -	160-210 150-200 -	140-190 140-190 -

ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	CVD Coating - Ricoprimento CVD								
			VHC115			VHC125			VHC740		
			0,2	0,4	0,6	0,2	0,4	0,6	0,2	0,4	0,6
M	Ferritic/martensitic - Ferritico / Martensitico Austenitic - Austenitico Austenitic-Ferretic - Austenitico / Ferritico	200-330 180-330 230-260	125-260 130-290 190-220	100-220 100-240 150-185	80-200 80-190 120-145	110-230 100-240 150-190	70-175 70-175 120-150	50-135 55-130 90-110	85-180 85-170 130-160	65-160 65-145 110-135	45-135 45-125 85-105
		HB (Brinell)	PVD Coating - Ricoprimento PVD								
		Grade f _n (mm/rot)	VHP910			VHP920			VHP325		
			0,2	0,4	0,6	0,2	0,4	0,6	0,2	0,4	0,6
	Ferritic/martensitic - Ferritico / Martensitico Austenitic - Austenitico Austenitic-Ferretic - Austenitico / Ferritico	200-330 180-330 230-260	245-330 220-410 280-315	195-305 175-330 225-225	160-245 145-265 185-205	180-310 185-265 230-260	150-255 150-215 170-205	120-200 120-165 130-155	170-300 175-255 220-250	140-245 140-205 160-195	110-190 110-155 120-145

ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	CVD Coating - Ricoprimento CVD								
			VHC705			VHC320			VHC740		
			0,2	0,4	0,6	0,2	0,4	0,6	0,2	0,4	0,6
K	Malleable cast iron - Ghisa malleabile Grey cast iron - Ghisa grigia Nodular cast iron - Ghisa Nodulare	130-230 180-220 160-380	160-360 220-380 150-280	140-280 190-330 135-265	120-235 150-290 120-220	150-330 200-330 140-250	130-240 170-280 125-230	110-220 150-230 110-220	110-230 150-230 125-220	100-215 140-220 115-205	100-190 110-210 105-185
		HB (Brinell)	PVD Coating - Ricoprimento PVD						Uncoated Non Ricoprerto		
		Grade f _n (mm/rot)	VHP705			VHP325			VHX705		
			0,2	0,4	0,6	0,2	0,4	0,6	0,2	0,4	0,6
	Malleable cast iron - Ghisa malleabile Grey cast iron - Ghisa grigia Nodular cast iron - Ghisa Nodulare	130-230 180-220 160-380	180-250 160-230 160-230	170-230 150-220 150-220	160-210 140-200 140-200	180-220 160-210 160-200	170-210 140-200 140-190	160-200 140-190 130-180	125-140 140-180 100-135	110-125 115-145 85-125	90-110 95-110 65-95

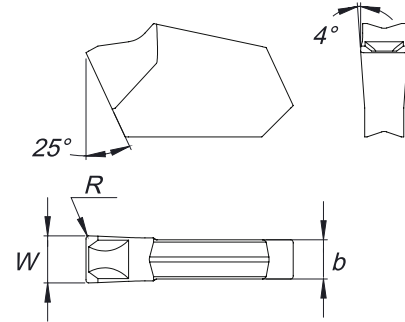
ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	Uncoated Non Ricoprerto			Uncoated Non Ricoprerto		
			VHX910			VHX705		
			0,15	0,8		0,1	0,3	0,5
N	Aluminium alloys - Leghe di Alluminio Copper and copper alloys - Rame e leghe di Rame	60-130 90-110	375-2400 375-630	40-240 35-65	60-80 25-50 25-50 70-180	50-65 20-40 20-40 55-150	40-50 15-30 15-30 45-125	

ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	PVD Coating - Ricoprimento PVD											
			VHP910			VHP705			VHP920			VHP325		
			0,1	0,3	0,5	0,1	0,3	0,5	0,1	0,3	0,5	0,1	0,3	0,1
S	Super alloys Iron base - Leghe a base di acciaio Super alloys Nickel base - Leghe a base di Nickel Super alloys Cobalt base - Leghe a base di Cobalto Titanium alloys - Leghe al Titanio	200-280 250-320 200-320 -	120-150 70-90 70-90 80-205	80-100 45-55 45-60 60-170	60-70 24-30 24-30 50-145	95-120 60-80 60-80 75-185	65-80 37-55 37-55 55-155	50-75 19-35 19-35 45-130	55-75 22-50 23-45 65-160	45-60 15-35 17-35 50-135	35-50 01-25 12-25 40-115	55-75 22-50 23-45 65-160	45-60 15-35 17-35 50-135	35-50 01-25 12-25 40-115

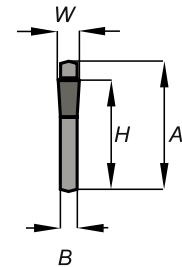
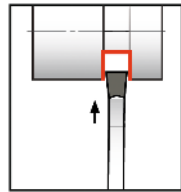
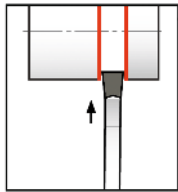




INSERTO - Insert Type: RKTMX - ..N



Riferimento Articolo Code	GRADI / Grades						Dimensioni Dimension (mm)			Parametri di Taglio Cutting Condition		
	P		M		K							
	RKHC115	RKHC135	RKHC115	RKHC135	RKHC320	RKHC135	w	R	b	Fn (mm/rev)	Min	Max
RKTMX - 2N	●	●	●	●	●	●	2,2	1,8	0,16	0,08	0,05	0,16
RKTMX - 3N	●	●	●	●	●	●	3,1	2,8	0,20	0,15	0,10	0,25
RKTMX - 4N	●	●	●	●	●	●	4,1	3,5	0,25	0,18	0,10	0,30
RKTMX - 5N	●	●	●	●	●	●	5,1	4,5	0,28	0,20	0,12	0,35
RKTMX - 6N	●	●	●	●	●	●	6,4	5,5	0,35	0,25	0,15	0,40



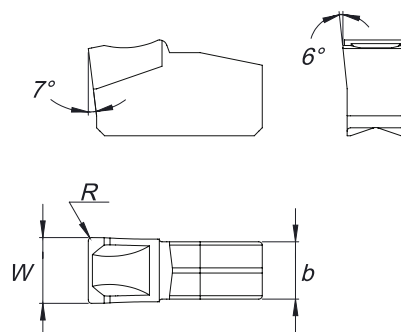
Riferimento Articolo Code	Dimensioni / Dimension					Inserto Insert	Key	Stock
	A	W	H	B	L			
RKTGLX 2 - 19	19	2	16	1,6	85	RKTMX-2N	5 m/m	●
RKTGLX 2 - 26	26	2	21,4	1,6	110	RKTMX-2N	5 m/m	●
RKTGLX 3 - 26	26	3	21,4	2,4	110	RKTMX-3N	5 m/m	●
RKTGLX 4 - 26	26	4	21,4	3,2	110	RKTMX-4N	5 m/m	●
RKTGLX 5 - 26	26	5	21,4	4	110	RKTMX-5N	5 m/m	●
RKTGLX 6 - 26	26	6	21,4	5,2	110	RKTMX-6N	5 m/m	●
RKTGLX 2 - 32	32	2	26	1,6	150	RKTMX-2N	5 m/m	●
RKTGLX 3 - 32	32	3	26	2,4	150	RKTMX-3N	5 m/m	●
RKTGLX 4 - 32	32	4	26	3,2	150	RKTMX-4N	5 m/m	●
RKTGLX 5 - 32	32	5	26	4	150	RKTMX-5N	5 m/m	●
RKTGLX 6 - 32	32	6	26	5,2	150	RKTMX-6N	5 m/m	●

● = ARTICOLI IN STOCK - STOCK ITEMS

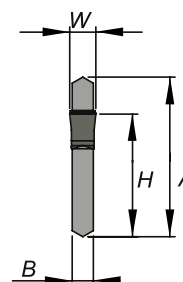
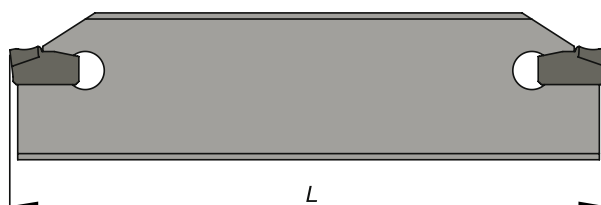
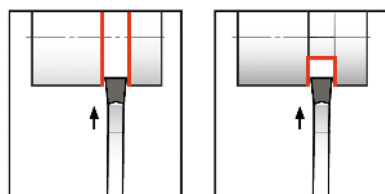
● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST



INSERTO - Insert Type: RKTAR - ..N



Riferimento Articolo Code	GRADI / Grades						Dimensioni Dimension (mm)			Parametri di Taglio Cutting Condition		
	P		M		K		w	R	b	Fn (mm/rev)	Min	Max
	RKHC115	RKHC135	RKHC115	RKHC135	RKHC320	RKHC135						
RKTAR - 3N	●	●	●	●	●	●	3,0	2,5	0,25	0,13	0,05	0,25
RKTAR - 4N	●	●	●	●	●	●	4,0	3,3	0,25	0,18	0,10	0,30
RKTAR - 5N	●	●	●	●	●	●	5,0	4,3	0,25	0,22	0,10	0,35



Riferimento Articolo Code	Dimensioni / Dimension					Inserto Insert	Key	Stock
	A	W	H	B	L			
RKTGLR 3 - 32	32	3	25	2,4	150	RKTAR - 3N	5 m/m	●
RKTGLR 4 - 32	32	4	25	3,2	150	RKTAR - 4N	5 m/m	●
RKTGLR 5 - 32	32	5	25	4	150	RKTAR - 5N	5 m/m	●

● = ARTICOLI IN STOCK - STOCK ITEMS

● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST



Guida per la selezione inserti Negativi
Selection guide for Negative Inserts

ISO	HB (Brinell)	MEDIE APPLICAZIONI <i>Medium</i>		SGROSSATURA MEDIA <i>Medium to Roughing</i>		SGROSSATURA PESANTE <i>Heavy Roughing</i>		
		Geometria	Gradi	Geometria	Gradi	Geometria	Gradi	
P	125-220	P1	RKHC115	P2	RKHC115	P3	RKHC125	
	220-280		RKHC115		RKHC115		RKHC740	
	280-380		RKHC125		RKHC740		RKHC740	
M	200-330		RKHP325		RKHC125		RKHC125	
	200-330		RKHP325		RKHC125		RKHC740	
	230-260		RKHC125		RKHC740		RKHC740	
K	130-230	KF (<i>Flat</i>)	RKHC705	KF (<i>Flat</i>)	RKHC705	K3	RKHC705	
	180-245	K1	RKHC320	K2	RKHC320		RKHC320	
	160-250		RKHC320		RKHC320		RKHC320	
S	200-320	M1	RKHP920	M1	RKHP920		M2	RKHP325
N	30-130	N1	RKH910	N1	RKH910		-	-

Guida per la selezione inserti Positivi
Selection guide for Positive Inserts

ISO	HB (Brinell)	FINITURA MEDIA <i>Medium to Finishing</i>		SGROSSATURA MEDIA <i>Medium to Roughing</i>	
		Geometria	Gradi	Geometria	Gradi
P	125-220	RKP1	RKHC115	RKP2	RKHC115
	220-280		RKHC115		RKHC125
	280-380		RKHC125		RKHC125
M	200-330	RKM1	RKHP325	RKM2	RKHP325
	200-330		RKHP325		RKHC115
	230-260		RKHC125		RKHC115
K	130-230	RKK1	RKHC705	RKK2	RKHC705
	180-245		RKHC705		RKHC320
	160-250		RKHC320		RKHC320
S	Leghe Titanio <i>Titanium Alloys</i>	RKM1	RKHP910	RKM2	RKHP325
	Super Leghe <i>Super Alloys</i>	RKK2	RKH910	RKK2	RKH910
N	30-130	RKN	RKH910	RKN	RKH910

RRKA GARANTIERT, DASS ALLE WERKZEUGHALTER AUFGRUND DER HOHEN QUALITÄT IHRES FERTIGUNGSSTANDARDS PRÄZISE UND SICHER ARBEITEN.

Für die Produktion werden nur hochwertige legierte Stähle aus qualifizierten Stahlwerken verwendet, die mit einem Qualitätszertifikat versehen sind und die Grundlage für den Erfolg des Endproduktes bilden.

AUSGEWOGENE WERKZEUGHALTER

Ausgewuchtete Werkzeugträger sind ideal für die Ausrüstung von Hochgeschwindigkeits-Werkzeugmaschinen der neuesten Generation und zur Erzielung bester Leistung und Oberflächengüte. Alle Werkzeughalter im Katalog können gewuchtet werden.

Wir haben zwei verschiedene Arten des Gleichgewichts:

- Güteklasse G 2,5 mit engerer Toleranz;
- Güteklasse G 6.3 mit höherer Toleranz und unterschiedlichen Drehzahlklassen:
10.000 UMDREHUNGEN PRO MINUTE
15.000 UMDREHUNGEN PRO MINUTE
20.000 UMDREHUNGEN PRO MINUTE
30.000 UMDREHUNGEN PRO MINUTE

RRKA GARANTISCE CHE TUTTI I PORTAUTENSILI OFFRONO UN FUNZIONAMENTO PRECISO E SICURO GRAZIE ALL'ELEVATA QUALITÀ DEL LORO STANDARD DI PRODUZIONE.

Per la produzione, che è alla base del successo del prodotto finale, vengono utilizzati solo acciai legati di alta qualità provenienti da acciaierie qualificate e provviste di un certificato di qualità.

PORTAINSERTI BILANCIATI

I portautensili bilanciati sono ideali per equipaggiare macchine utensili ad alta velocità di ultima generazione e per ottenere le migliori prestazioni e finiture superficiali. Tutti i portadenti a catalogo sono equilibrabili.

Abbiamo due diversi tipi di equilibrio:

- Grado G 2.5 con tolleranza più stretta;
- Grado G 6.3 con tolleranza superiore e diverse classi di velocità di rotazione:
10.000 GIRI/MIN
15.000 GIRI/MIN
20.000 GIRI/MIN
30.000 GIRI/MIN

RRKA GUARANTEES THAT ALL TOOL HOLDERS OFFER PRECISE AND SAFE OPERATION DUE TO THE HIGH QUALITY OF THEIR PRODUCTION STANDARD.

Only high quality alloy steel from qualified steel mills, supplied with a quality certificate, is used for production, which is the basis for the success of the final product.

BALANCED TOOLHOLDERS

Balanced tool carriers are ideal for equipping high-speed machine tools of the latest generation and for obtaining the best performance and surface finishes. All toolholders in the catalogue can be balanced.

We have two different kinds of balance:

- Grade G 2.5 with narrower tolerance;
- Grade G 6.3 with higher tolerance and different rotation speed classes:
10,000 RPM
15,000 RPM
20,000 RPM
30,000 RPM

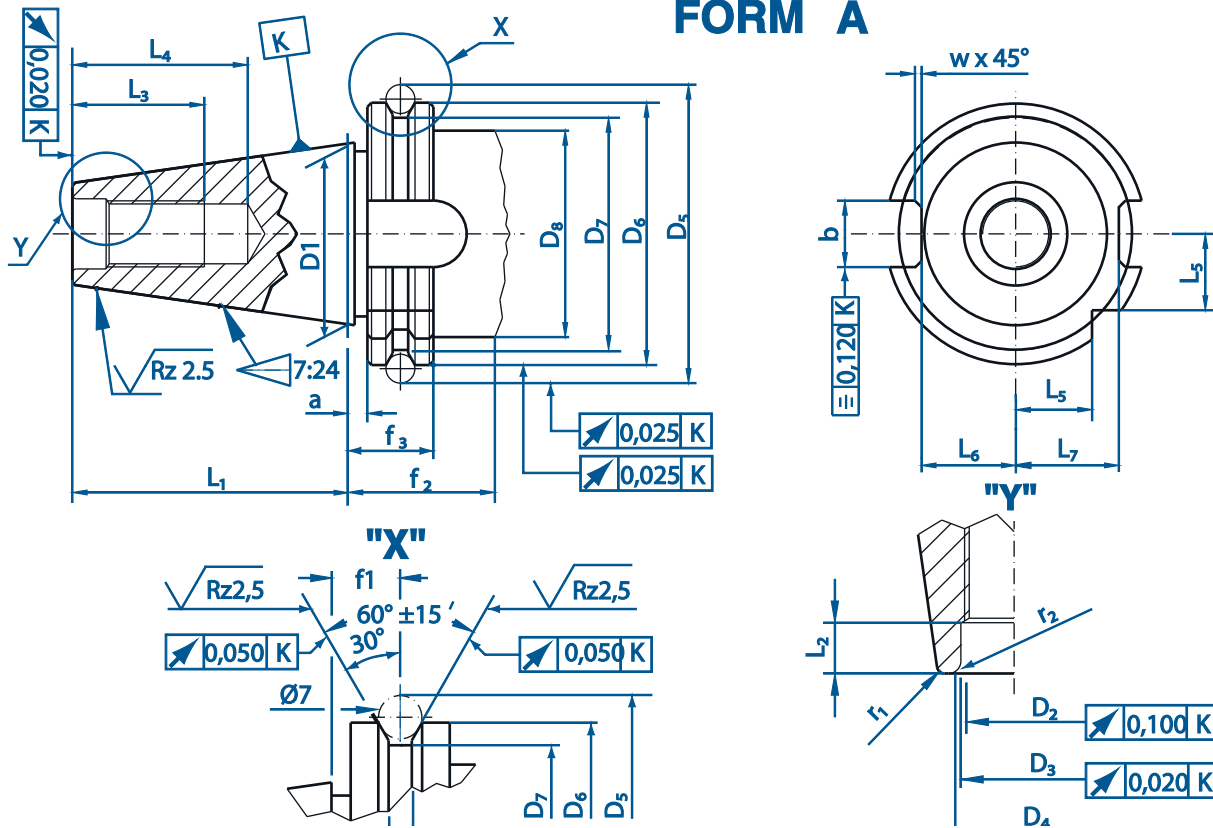


<p>QUERNUT-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE FISSI SHELL MILL ADAPTORS</p>		<p>10-5</p>
<p>KOMBI-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE COMBINATI COMBINATION SHELL MILL ADAPTORS</p>		<p>10-6</p>
<p>ZWISCHENHÜLSE FÜR MK FRÄSER / BOHRER MANDRINI DI RIDUZIONE CM PUNTE / FRESE REDUCING ADAPTORS MT DRILL / MILL</p>		<p>10-7</p>
<p>ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS</p>		<p>10-8</p>
<p>WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS</p>		<p>10-9</p>
<p>SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD</p>		<p>10-10</p>
<p>SCHRUMPFHALTER SCHLANKE TYP MANDRINI CALETTAMENTO TIPO SLIM SHRINK FIT HOLDERS SLIM TYPE</p>		<p>10-11</p>
<p>FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		<p>10-12</p>

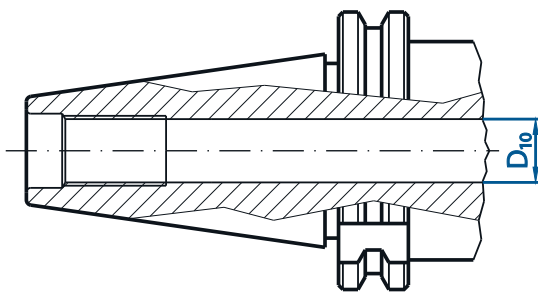


<p>FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZA PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS</p>		<p>10-13</p>
<p>FRÄSERSPANNFUTTER FÜR SKS SPANNZANGEN MANDRINI PORTAPINZA PER PINZE SKS COLLET CHUCKS FOR SKS COLLETS</p>		<p>10-13</p>
<p>HOCHLEISTUNGSTUTTER MANDRINI A FORTE SERRAGGIO HIGH POWER CHUCKS</p>		<p>10-14</p>
<p>HYDRODEHNSPANNFUTTER MANDRINI IDRAULICI HYDRAULIC EXPANSION CHUCKS</p>		<p>10-14</p>
<p>SELBSTBLOCKIERENDE BOHRFUTTER MANDRINI PORTAPUNTE AUTOSERRANTI SELF CLAMPING PRECISION DRILL CHUCK</p>		<p>10-14</p>
<p>PRÄZISIONS SPANNFUTTER MIT SCHLÜSSEL MANDRINI PORTAPUNTE CON CHIAVE PRECISION DRILL CHUCKS WITH KEY</p>		<p>10-14</p>
<p>ROHLINGE STELO TENERO LAVORABILE BLANK ADAPTORS</p>		<p>10-15</p>
<p>KONTROL DORNE SPINE DI CONTROLLO CONTROL BAR</p>		<p>10-15</p>

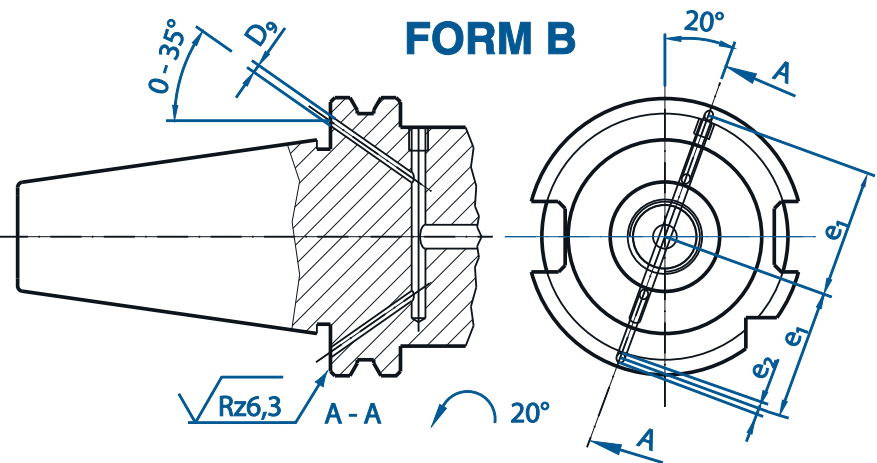
FORM A



FORM AD

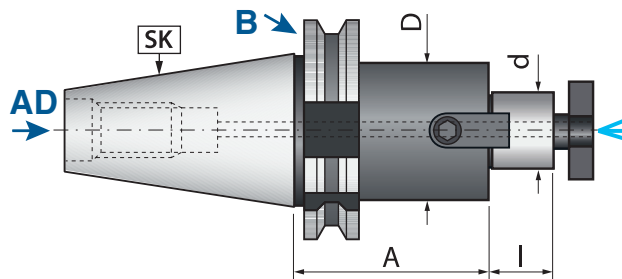


FORM B



K	D ₁	L ₁ 0/-0,3	r ₁	D ₂	D ₃ H7	D ₄ max	L ₂ +0,5/0	L ₃ min	L ₄ min	r ₂ 0/-0,5	a ±0,1	D ₅ ±0,05	D ₆ 0/-0,1
30	31,75	47,8	0,6	M 12	13	14	5,5	24	33,5	0,8	3,2	59,3	50
40	44,45	68,4	1,2	M 16	17	19	8,2	32	42,5	1	3,2	72,3	63,5
45	57,15	82,7	2	M 20	21	23,4	10	40	52,5	1,2	3,2	91,35	88,55
50	69,85	101,75	2,5	M 24	25	28	11,5	47	61,5	1,5	3,2	107,25	97,5

K	D ₇ 0/-0,05	D ₈ max	f ₁ ±0,1	f ₂ min	f ₃ 0/-0,1	b H12	w	L ₅ 0/-0,3	L ₆ 0/-0,4	L ₇ 0/-0,4	D ₉	e ₁ ±0,1	e ₂ max
30	44,3	45	11,1	35	19,1	16,1	1,6	15	16,4	19	4	21	5
40	56,25	50	11,1	35	19,1	16,1	1,6	18,5	22,8	25	4	27	5
45	75,25	63	11,1	35	19,1	19,3	1,6	24	29,1	31,3	5	35	6
50	91,25	80	11,1	35	19,1	25,7	2	30	35,5	37,7	6	42	7

QUERNUT-AUFSTECHEFRÄSDORN
MANDRINI PORTAFRESE FISSI
SHELL MILL HOLDERS


BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SKB.40.35.D16S	40	38	16	17	35
RK.SKB.40.50.D16S	40	38	16	17	50
RK.SKB.40.100.D16S	40	38	16	17	100
RK.SKB.40.130.D16S	40	38	16	17	130
RK.SKB.40.160.D16S	40	38	16	17	160
RK.SKB.40.200.D16S	40	38	16	17	200
RK.SKB.40.35.D22S	40	48	22	19	35
RK.SKB.40.45.D22S	40	48	22	19	45
RK.SKB.40.100.D22S	40	48	22	19	100
RK.SKB.40.130.D22S	40	48	22	19	130
RK.SKB.40.160.D22S	40	48	22	19	160
RK.SKB.40.200.D22S	40	48	22	19	200
RK.SKB.40.35.D27S	40	58	27	21	35
RK.SKB.40.50.D27S	40	58	27	21	50
RK.SKB.40.100.D27S	40	58	27	21	100
RK.SKB.40.130.D27S	40	58	27	21	130
RK.SKB.40.160.D27S	40	58	27	21	160
RK.SKB.40.200.D27S	40	58	27	21	200
RK.SKB.40.50.D32S	40	78	32	24	50
RK.SKB.40.55.D32S	40	78	32	24	55
RK.SKB.40.100.D32S	40	78	32	24	100
RK.SKB.40.130.D32S	40	78	32	24	130
RK.SKB.40.160.D32S	40	78	32	24	160
RK.SKB.40.200.D32S	40	78	32	24	200
RK.SKB.40.50.D40S	40	88	40	27	50
RK.SKB.40.60.D40S	40	88	40	27	60
RK.SKB.40.100.D40S	40	88	40	27	100
RK.SKB.40.130.D40S	40	88	40	27	130
RK.SKB.40.160.D40S	40	88	40	27	160
RK.SKB.40.200.D40S	40	88	40	27	200

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SKB.50.35.D16S	50	38	16	17	35
RK.SKB.50.45.D16S	50	38	16	17	45
RK.SKB.50.100.D16S	50	38	16	17	100
RK.SKB.50.130.D16S	50	38	16	17	130
RK.SKB.50.160.D16S	50	38	16	17	160
RK.SKB.50.200.D16S	50	38	16	17	200
RK.SKB.50.250.D16S	50	38	16	17	250
RK.SKB.50.300.D16S	50	38	16	17	300
RK.SKB.50.350.D16S	50	38	16	17	350
RK.SKB.50.35.D22S	50	48	22	19	35
RK.SKB.50.45.D22S	50	48	22	19	45
RK.SKB.50.100.D22S	50	48	22	19	100
RK.SKB.50.130.D22S	50	48	22	19	130
RK.SKB.50.160.D22S	50	48	22	19	160
RK.SKB.50.200.D22S	50	48	22	19	200
RK.SKB.50.250.D22S	50	48	22	19	250
RK.SKB.50.300.D22S	50	48	22	19	300
RK.SKB.50.350.D22S	50	48	22	19	350
RK.SKB.50.400.D22S	50	48	22	19	400
RK.SKB.50.35.D27S	50	58	27	21	35
RK.SKB.50.45.D27S	50	58	27	21	45
RK.SKB.50.100.D27S	50	58	27	21	100
RK.SKB.50.130.D27S	50	58	27	21	130
RK.SKB.50.160.D27S	50	58	27	21	160
RK.SKB.50.200.D27S	50	58	27	21	200
RK.SKB.50.250.D27S	50	58	27	21	250
RK.SKB.50.300.D27S	50	58	27	21	300
RK.SKB.50.350.D27S	50	58	27	21	350
RK.SKB.50.400.D27S	50	58	27	21	400
RK.SKB.50.35.D32S	50	78	32	24	35
RK.SKB.50.50.D32S	50	78	32	24	50
RK.SKB.50.100.D32S	50	78	32	24	100
RK.SKB.50.130.D32S	50	78	32	24	130
RK.SKB.50.160.D32S	50	78	32	24	160
RK.SKB.50.200.D32S	50	78	32	24	200
RK.SKB.50.250.D32S	50	78	32	24	250
RK.SKB.50.300.D32S	50	78	32	24	300
RK.SKB.50.350.D32S	50	78	32	24	350
RK.SKB.50.35.D40S	50	88	40	27	35
RK.SKB.50.50.D40S	50	88	40	27	50
RK.SKB.50.100.D40S	50	88	40	27	100
RK.SKB.50.130.D40S	50	88	40	27	130
RK.SKB.50.160.D40S	50	88	40	27	160
RK.SKB.50.200.D40S	50	88	40	27	200



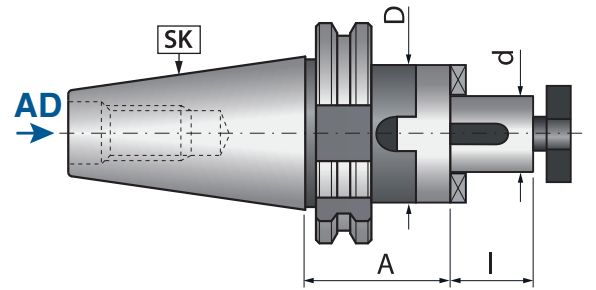
DIN 69871 - SK 40/50

AT2

G6,3 / 15000

AD

KOMBI-AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI COMBI SHELL MILL HOLDER



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SK.40.55.D16C	40	16	32	17	55
RK.SK.40.100.D16C	40	16	32	17	100
RK.SK.40.55.D22C	40	22	40	19	55
RK.SK.40.100.D22C	40	22	40	19	100
RK.SK.40.55.D27C	40	27	48	21	55
RK.SK.40.100.D27C	40	27	48	21	100
RK.SK.40.60.D32C	40	34	58	24	60
RK.SK.40.100.D32C	40	32	58	24	100
RK.SK.40.60.D40C	40	40	70	27	60
RK.SK.40.100.D40C	40	40	70	27	100

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SK.50.55.D16C	50	16	32	17	55
RK.SK.50.100.D16C	50	16	32	17	100
RK.SK.50.55.D22C	50	22	40	19	55
RK.SK.50.100.D22C	50	22	40	19	100
RK.SK.50.55.D27C	50	27	48	21	55
RK.SK.50.100.D27C	50	27	48	21	100
RK.SK.50.55.D32C	50	32	58	24	55
RK.SK.50.100.D32C	50	32	58	24	100
RK.SK.50.55.D40C	50	40	70	27	55
RK.SK.50.100.D40C	50	40	70	27	100
RK.SK.50.70.D50C	50	50	90	30	70



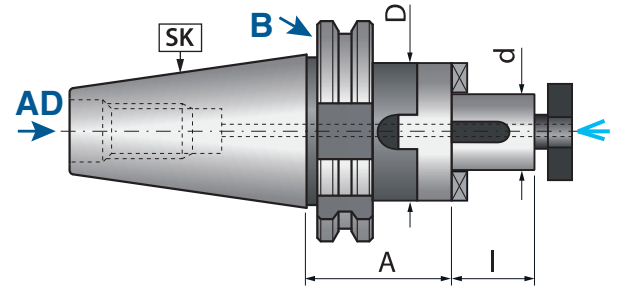
DIN 69871 - SK 40/50

AT2

G6,3 / 15000

AD+B

KOMBI-AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI COMBI SHELL MILL HOLDER



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SKB.40.55.D16C	40	16	32	17	55
RK.SKB.40.100.D16C	40	16	32	17	100
RK.SKB.40.130.D16C	40	16	32	17	130
RK.SKB.40.160.D16C	40	16	32	17	160
RK.SKB.40.200.D16C	40	16	32	17	200
RK.SKB.40.55.D22C	40	22	40	19	55
RK.SKB.40.100.D22C	40	22	40	19	100
RK.SKB.40.130.D22C	40	22	40	19	130
RK.SKB.40.160.D22C	40	22	40	19	160
RK.SKB.40.200.D22C	40	22	40	19	200
RK.SKB.40.55.D27C	40	27	48	21	55
RK.SKB.40.100.D27C	40	27	48	21	100
RK.SKB.40.130.D27C	40	27	48	21	130
RK.SKB.40.160.D27C	40	27	48	21	160
RK.SKB.40.200.D27C	40	27	48	21	200
RK.SKB.40.60.D32C	40	32	58	24	60
RK.SKB.40.100.D32C	40	32	58	24	100
RK.SKB.40.130.D32C	40	32	58	24	130
RK.SKB.40.160.D32C	40	32	58	24	160
RK.SKB.40.200.D32C	40	32	58	24	200
RK.SKB.40.60.D40C	40	40	70	27	60
RK.SKB.40.100.D40C	40	40	70	27	100
RK.SKB.40.130.D40C	40	40	70	27	130
RK.SKB.40.160.D40C	40	40	70	27	160
RK.SKB.40.200.D40C	40	40	70	27	200

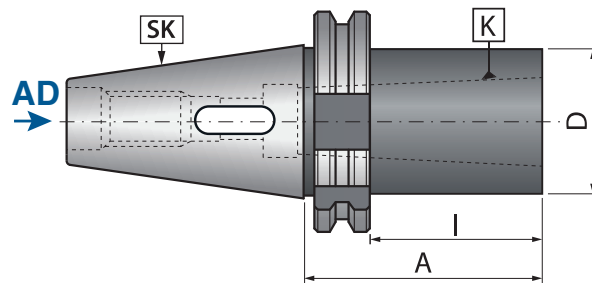
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	I	A
RK.SKB.50.55.D16C	50	16	32	17	55
RK.SKB.50.100.D16C	50	16	32	17	100
RK.SKB.50.130.D16C	50	16	32	17	130
RK.SKB.50.160.D16C	50	16	32	17	160
RK.SKB.50.200.D16C	50	16	32	17	200
RK.SKB.50.55.D22C	50	22	40	19	55
RK.SKB.50.100.D22C	50	22	40	19	100
RK.SKB.50.130.D22C	50	22	40	19	130
RK.SKB.50.160.D22C	50	22	40	19	160
RK.SKB.50.200.D22C	50	22	40	19	200
RK.SKB.50.55.D27C	50	27	48	21	55
RK.SKB.50.100.D27C	50	27	48	21	100
RK.SKB.50.130.D27C	50	27	48	21	130
RK.SKB.50.160.D27C	50	27	48	21	160
RK.SKB.50.200.D27C	50	27	48	21	200
RK.SKB.50.55.D32C	50	32	58	24	55
RK.SKB.50.100.D32C	50	32	58	24	100
RK.SKB.50.130.D32C	50	32	58	24	130
RK.SKB.50.160.D32C	50	32	58	24	160
RK.SKB.50.200.D32C	50	32	58	24	200
RK.SKB.50.55.D40C	50	40	70	27	55
RK.SKB.50.100.D40C	50	40	70	27	100
RK.SKB.50.130.D40C	50	40	70	27	130
RK.SKB.50.160.D40C	50	40	70	27	160
RK.SKB.50.200.D40C	50	40	70	27	200



DIN 69871 - SK 40/50

AT2 G6,3 / 15000 AD

ZWISCHENHÜLSE FÜR BOHRER MORSE KEGEL MANDRINI DI RIDUZIONE PER PUNTE CONO MORSE REDUCING ADAPTERS FOR MORSE TAPER DRILLS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.SK.40.50.CM1P	40	1	25	31	50
RK.SK.40.50.CM2P	40	2	32	31	50
RK.SK.40.117.CM2P	40	2	32	98	117
RK.SK.40.70.CM3P	40	3	40	51	70
RK.SK.40.133.CM3P	40	3	40	114	133
RK.SK.40.95.CM4P	40	4	48	76	95
RK.SK.40.156.CM4P	40	4	48	137	156

BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.SK.50.45.CM1P	50	1	25	26	45
RK.SK.50.120.CM1P	50	1	25	101	120
RK.SK.50.60.CM2P	50	2	32	41	60
RK.SK.50.135.CM2P	50	2	32	116	135
RK.SK.50.65.CM3P	50	3	40	46	65
RK.SK.50.155.CM3P	50	3	40	136	155
RK.SK.50.95.CM4P	50	4	48	76	95
RK.SK.50.180.CM4P	50	4	48	161	180
RK.SK.50.105.CM5P	50	5	63	86	105
RK.SK.50.215.CM5P	50	5	63	196	215

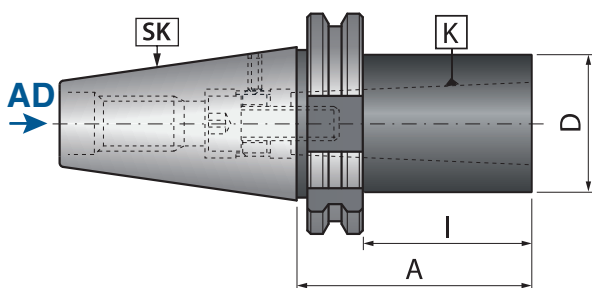
DIN
69871



DIN 69871 - SK 40/50

AT2 G6,3 / 15000 AD

ZWISCHENHÜLSE FÜR FRÄSER MORSE KEGEL MANDRINI DI RIDUZIONE PER FRESE CONO MORSE REDUCING ADAPTERS FOR MORSE TAPER MILL



BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.SK.40.50.CM1F	40	25	M6	31	50
RK.SK.40.50.CM2F	40	32	M10	31	50
RK.SK.40.70.CM3F	40	40	M12	51	70
RK.SK.40.95.CM4F	40	48	M16	76	95
RK.SK.40.110.CM4F	40	48	M16	146	110

BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.SK.50.45.CM1F	50	25	M6	26	45
RK.SK.50.60.CM2F	50	32	M10	41	60
RK.SK.50.65.CM3F	50	40	M12	46	65
RK.SK.50.70.CM4F	50	48	M16	51	70
RK.SK.50.85.CM4F	50	48	M16	66	85
RK.SK.50.100.CM5F	50	63	M20	81	100
RK.SK.50.118.CM5F	50	63	M20	99	118



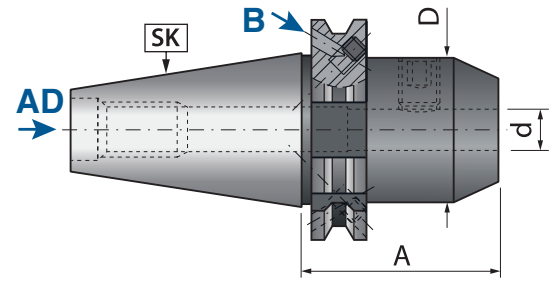
DIN 69871 - SK 40/50

AT2

G6,3 / 15000

AD+B

ZWISCHENHÜLSEN FÜR WELDON FRÄSER
MANDRINI PER FRESE WELDON
WELDON END MILLS HOLDERS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	L
RK.SKB.40.50.WE6	40	6	25	50
RK.SKB.40.100.WE6	40	6	25	100
RK.SKB.40.130.WE6	40	6	25	130
RK.SKB.40.160.WE6	40	6	25	160
RK.SKB.40.200.WE6	40	6	25	200
RK.SKB.40.50.WE8	40	8	28	50
RK.SKB.40.100.WE8	40	8	28	100
RK.SKB.40.130.WE8	40	8	28	130
RK.SKB.40.160.WE8	40	8	28	160
RK.SKB.40.200.WE8	40	8	28	200
RK.SKB.40.50.WE10	40	10	35	50
RK.SKB.40.100.WE10	40	10	35	100
RK.SKB.40.130.WE10	40	10	35	130
RK.SKB.40.160.WE10	40	10	35	160
RK.SKB.40.200.WE10	40	10	35	200
RK.SKB.40.50.WE12	40	12	42	50
RK.SKB.40.100.WE12	40	12	42	100
RK.SKB.40.130.WE12	40	12	42	130
RK.SKB.40.160.WE12	40	12	42	160
RK.SKB.40.200.WE12	40	12	42	200
RK.SKB.40.50.WE14	40	14	44	50
RK.SKB.40.100.WE14	40	14	44	100
RK.SKB.40.130.WE14	40	14	44	130
RK.SKB.40.160.WE14	40	14	44	160
RK.SKB.40.200.WE14	40	14	44	200
RK.SKB.40.63.WE16	40	16	48	63
RK.SKB.40.100.WE16	40	16	48	100
RK.SKB.40.130.WE16	40	16	48	130
RK.SKB.40.160.WE16	40	16	48	160
RK.SKB.40.200.WE16	40	16	48	200
RK.SKB.40.63.WE18	40	18	50	63
RK.SKB.40.100.WE18	40	18	50	100
RK.SKB.40.130.WE18	40	18	50	130
RK.SKB.40.160.WE18	40	18	50	160
RK.SKB.40.200.WE18	40	18	50	200
RK.SKB.40.63.WE20	40	20	52	63
RK.SKB.40.100.WE20	40	20	52	100
RK.SKB.40.130.WE20	40	20	52	130
RK.SKB.40.160.WE20	40	20	52	160
RK.SKB.40.200.WE20	40	20	52	200
RK.SKB.40.100.WE25	40	25	65	100
RK.SKB.40.130.WE25	40	25	65	130
RK.SKB.40.160.WE25	40	25	65	160
RK.SKB.40.100.WE32	40	32	72	100
RK.SKB.40.130.WE32	40	32	72	130
RK.SKB.40.160.WE32	40	32	72	160
RK.SKB.40.120.WE40	40	40	80	120

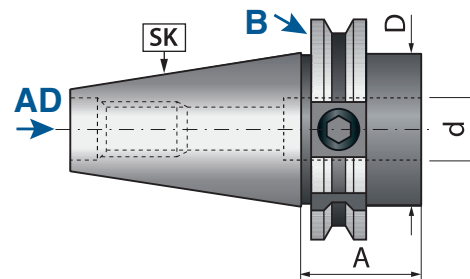
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	L
RK.SKB.50.63.WE6	50	6	25	63
RK.SKB.50.100.WE6	50	6	25	100
RK.SKB.50.130.WE6	50	6	25	130
RK.SKB.50.160.WE6	50	6	25	160
RK.SKB.50.200.WE6	50	6	25	200
RK.SKB.50.63.WE8	50	8	28	63
RK.SKB.50.100.WE8	50	8	28	100
RK.SKB.50.130.WE8	50	8	28	130
RK.SKB.50.160.WE8	50	8	28	160
RK.SKB.50.200.WE8	50	8	28	200
RK.SKB.50.63.WE10	50	10	35	63
RK.SKB.50.100.WE10	50	10	35	100
RK.SKB.50.130.WE10	50	10	35	130
RK.SKB.50.160.WE10	50	10	35	160
RK.SKB.50.200.WE10	50	10	35	200
RK.SKB.50.63.WE12	50	12	42	63
RK.SKB.50.100.WE12	50	12	42	100
RK.SKB.50.130.WE12	50	12	42	130
RK.SKB.50.160.WE12	50	12	42	160
RK.SKB.50.200.WE12	50	12	42	200
RK.SKB.50.63.WE14	50	14	44	63
RK.SKB.50.100.WE14	50	14	44	100
RK.SKB.50.130.WE14	50	14	44	130
RK.SKB.50.160.WE14	50	14	44	160
RK.SKB.50.200.WE14	50	14	44	200
RK.SKB.50.63.WE16	50	16	48	63
RK.SKB.50.100.WE16	50	16	48	100
RK.SKB.50.130.WE16	50	16	48	130
RK.SKB.50.160.WE16	50	16	48	160
RK.SKB.50.200.WE16	50	16	48	200
RK.SKB.50.63.WE18	50	18	50	63
RK.SKB.50.100.WE18	50	18	50	100
RK.SKB.50.130.WE18	50	18	50	130
RK.SKB.50.160.WE18	50	18	50	160
RK.SKB.50.200.WE18	50	18	50	200
RK.SKB.50.63.WE20	50	20	52	63
RK.SKB.50.100.WE20	50	20	52	100
RK.SKB.50.130.WE20	50	20	52	130
RK.SKB.50.160.WE20	50	20	52	160
RK.SKB.50.200.WE20	50	20	52	200
RK.SKB.50.250.WE20	50	20	52	250
RK.SKB.50.80.WE25	50	25	65	80
RK.SKB.50.100.WE25	50	25	65	100
RK.SKB.50.130.WE25	50	25	65	130
RK.SKB.50.160.WE25	50	25	65	160
RK.SKB.50.200.WE25	50	25	65	200
RK.SKB.50.250.WE25	50	25	65	250
RK.SKB.50.100.WE32	50	32	72	100
RK.SKB.50.130.WE32	50	32	72	130
RK.SKB.50.160.WE32	50	32	72	160
RK.SKB.50.200.WE32	50	32	72	200
RK.SKB.50.250.WE32	50	32	72	250
RK.SKB.50.112.WE40	50	40	80	112
RK.SKB.50.130.WE40	50	40	80	130
RK.SKB.50.160.WE40	50	40	80	160
RK.SKB.50.200.WE40	50	40	80	200
RK.SKB.50.130.WE50	50	50	90	130



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AT2 | G6,3 / 15000 | AD+B

AUSZÜGEHALTER FÜR WELDON FRÄSER MANDRINI EXTRACORTI PER FRESE WELDON EXTRA SHORT TOOLHOLDERS FOR WELDON MILLS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	SCHRAUBEN - VITI - SCREWS	D	A
RK.SKB.40.35.WE16	40	16	M14x16	44,4	35
RK.SKB.40.35.WE20	40	20	M16x16	44,4	35
RK.SKB.40.35.WE25	40	25	M16x10	44,4	35
RK.SKB.40.60.WE25	40	25	M18x2x12 + M16x1x8	50	60
RK.SKB.40.40.WE32	40	32	M20x2x20 + M16x1x8	72	40
RK.SKB.40.70.WE32	40	32	M20x2x20 + M16x1x8	72	70

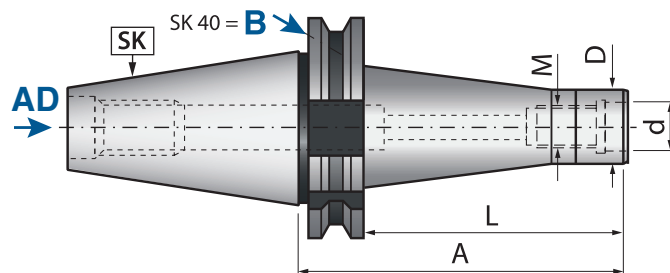
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	SCHRAUBEN - VITI - SCREWS	D	A
RK.SKB.50.35.WE16	50	16	M14x16	70	35
RK.SKB.50.35.WE20	50	20	M16x16	70	35
RK.SKB.50.35.WE25	50	25	M8x2x20	70	35
RK.SKB.50.35.WE32	50	32	M20x2x20	70	35
RK.SKB.50.35.WE40	50	40	M20x2x20	80	35



DIN 69871 - SK 40/50

AT2 | G2,5 / 25000 | AD+B

WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS



DIN
69871

BESTELL.-NR. ARTICOLO ORDER NR.	SK	M	d	D	D	L	A
RK.SKB.40.44.M6CPY	40	M6	6,5	10	13	25	44
RK.SKB.40.69.M6CPY	40	M6	6,5	10	20	50	69
RK.SKB.40.94.M6CPY	40	M6	6,5	10	23	75	94
RK.SKB.40.55.M8CPY	40	M8	8,5	13	15	36	55
RK.SKB.40.75.M8CPY	40	M8	8,5	13	23	56	75
RK.SKB.40.95.M8CPY	40	M8	8,5	13	23	76	95
RK.SKB.40.115.M8CPY	40	M8	8,5	13	25	96	115
RK.SKB.40.55.M10CPY	40	M10	10,5	18	20	36	55
RK.SKB.40.75.M10CPY	40	M10	10,5	18	25	56	75
RK.SKB.40.95.M10CPY	40	M10	10,5	18	28	76	95
RK.SKB.40.105.M10CPY	40	M10	10,5	18	28	96	115
RK.SKB.40.145.M10CPY	40	M10	10,5	18	34	126	145
RK.SKB.40.55.M12CPY	40	M12	12,5	21	24	36	55
RK.SKB.40.75.M12CPY	40	M12	12,5	21	24	56	75
RK.SKB.40.95.M12CPY	40	M12	12,5	21	31	76	95
RK.SKB.40.115.M12CPY	40	M12	12,5	21	31	96	115
RK.SKB.40.145.M12CPY	40	M12	12,5	21	38	126	145
RK.SKB.40.175.M12CPY	40	M12	12,5	21	42	156	175
RK.SKB.40.55.M16CPY	40	M16	17	29	34	36	55
RK.SKB.40.75.M16CPY	40	M16	17	29	34	56	75
RK.SKB.40.95.M16CPY	40	M16	17	29	34	76	95
RK.SKB.40.115.M16CPY	40	M16	17	29	39	96	115
RK.SKB.40.145.M16CPY	40	M16	17	29	39	126	145
RK.SKB.40.175.M16CPY	40	M16	17	29	39	156	175

BESTELL.-NR. ARTICOLO ORDER NR.	SK	M	d	D	D	L	A
RK.SKB.50.69.M8CPY	50	M8	8,5	13	23	50	69
RK.SKB.50.119.M8CPY	50	M8	8,5	13	25	100	119
RK.SKB.50.169.M8CPY	50	M8	8,5	13	30	150	169
RK.SKB.50.85.M10CPY	50	M10	10,5	18	23	50	85
RK.SKB.50.135.M10CPY	50	M10	10,5	18	32	100	135
RK.SKB.50.185.M10CPY	50	M10	10,5	18	36.5	150	185
RK.SKB.50.85.M12CPY	50	M12	12,5	21	24	50	85
RK.SKB.50.135.M12CPY	50	M12	12,5	21	33	100	125
RK.SKB.50.185.M12CPY	50	M12	12,5	21	40	150	185
RK.SKB.50.85.M16CPY	50	M16	17	29	34	50	85
RK.SKB.50.135.M16CPY	50	M16	17	29	36	100	135
RK.SKB.50.185.M16CPY	50	M16	17	29	42.5	150	185



DIN 69871 - SK 40/50

AT2

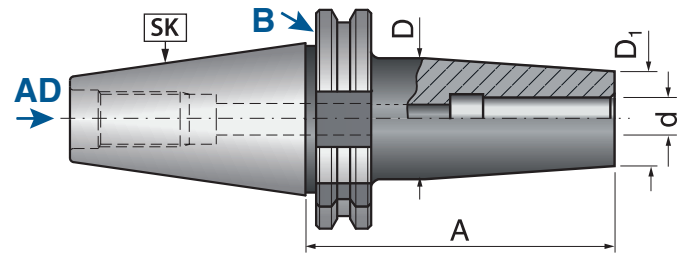
G2,5 / 25000

AD+B

SCHRUMPFHALTER STANDARD

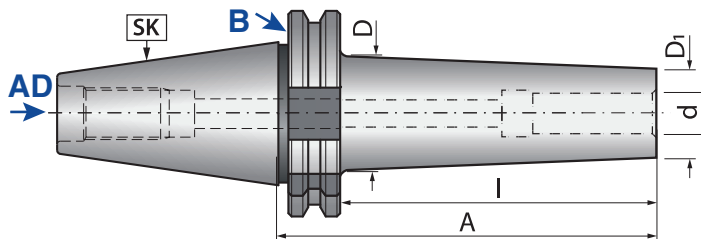
MANDRINI CALETTAMENTO STANDARD

SHRINK FIT HOLDERS STANDARD



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D
RK.SKB.40.80.CL3	40	3	80	10	20
RK.SKB.40.120.CL3	40	3	120	10	20
RK.SKB.40.160.CL3	40	3	160	10	20
RK.SKB.40.80.CL4	40	4	80	15	25
RK.SKB.40.120.CL4	40	4	120	15	25
RK.SKB.40.160.CL4	40	4	160	15	25
RK.SKB.40.80.CL5	40	5	80	15	25
RK.SKB.40.120.CL5	40	5	120	15	25
RK.SKB.40.160.CL5	40	5	160	15	25
RK.SKB.40.80.CL6	40	6	80	21	27
RK.SKB.40.130.CL6	40	6	130	21	27
RK.SKB.40.160.CL6	40	6	160	21	27
RK.SKB.40.80.CL8	40	8	80	21	27
RK.SKB.40.130.CL8	40	8	130	21	27
RK.SKB.40.160.CL8	40	8	160	21	27
RK.SKB.40.80.CL10	40	10	80	24	32
RK.SKB.40.130.CL10	40	10	130	24	32
RK.SKB.40.160.CL10	40	10	160	24	32
RK.SKB.40.80.CL12	40	12	80	24	32
RK.SKB.40.130.CL12	40	12	130	24	32
RK.SKB.40.160.CL12	40	12	160	24	32
RK.SKB.40.80.CL14	40	14	80	27	34
RK.SKB.40.130.CL14	40	14	130	27	34
RK.SKB.40.160.CL14	40	14	160	27	34
RK.SKB.40.80.CL16	40	16	80	27	34
RK.SKB.40.130.CL16	40	16	130	27	34
RK.SKB.40.160.CL16	40	16	160	27	34
RK.SKB.40.80.CL18	40	18	80	33	42
RK.SKB.40.130.CL18	40	18	130	33	42
RK.SKB.40.160.CL18	40	18	160	33	42
RK.SKB.40.80.CL20	40	20	80	33	42
RK.SKB.40.130.CL20	40	20	130	33	42
RK.SKB.40.160.CL20	40	20	160	33	42
RK.SKB.40.100.CL25	40	25	100	44	53
RK.SKB.40.130.CL25	40	25	130	44	53
RK.SKB.40.160.CL25	40	25	160	44	53
RK.SKB.40.100.CL32	40	32	100	44	53
RK.SKB.40.130.CL32	40	32	130	44	53
RK.SKB.40.160.CL32	40	32	160	44	53

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D
RK.SKB.50.80.CL3	50	3	80	10	20
RK.SKB.50.120.CL3	50	3	120	10	20
RK.SKB.50.160.CL3	50	3	160	10	20
RK.SKB.50.80.CL4	50	4	80	15	25
RK.SKB.50.120.CL4	50	4	120	15	22
RK.SKB.50.160.CL4	50	4	160	15	22
RK.SKB.50.80.CL5	50	5	80	15	25
RK.SKB.50.120.CL5	50	5	120	15	22
RK.SKB.50.160.CL5	50	5	160	15	22
RK.SKB.50.80.CL6	50	6	80	20	27
RK.SKB.50.120.CL6	50	6	120	20	27
RK.SKB.50.160.CL6	50	6	160	20	27
RK.SKB.50.80.CL8	50	8	80	20	27
RK.SKB.50.120.CL8	50	8	120	20	27
RK.SKB.50.160.CL8	50	8	160	20	27
RK.SKB.50.80.CL10	50	10	80	24	31
RK.SKB.50.120.CL10	50	10	120	24	31
RK.SKB.50.160.CL10	50	10	160	24	31
RK.SKB.50.80.CL12	50	12	80	24	31
RK.SKB.50.120.CL12	50	12	120	24	31
RK.SKB.50.160.CL12	50	12	160	24	31
RK.SKB.50.80.CL14	50	14	80	27	34
RK.SKB.50.120.CL14	50	14	120	27	34
RK.SKB.50.160.CL14	50	14	160	27	34
RK.SKB.50.80.CL16	50	16	80	27	34
RK.SKB.50.120.CL16	50	16	120	27	34
RK.SKB.50.160.CL16	50	16	160	27	34
RK.SKB.50.80.CL18	50	18	80	33	40
RK.SKB.50.120.CL18	50	18	120	33	40
RK.SKB.50.160.CL18	50	18	160	33	40
RK.SKB.50.80.CL20	50	20	80	33	40
RK.SKB.50.120.CL20	50	20	120	33	40
RK.SKB.50.160.CL20	50	20	160	33	40
RK.SKB.50.100.CL25	50	25	100	44	53
RK.SKB.50.120.CL25	50	25	120	44	53
RK.SKB.50.160.CL25	50	25	160	44	53
RK.SKB.50.100.CL32	50	32	100	44	53
RK.SKB.50.120.CL32	50	32	120	44	53
RK.SKB.50.160.CL32	50	32	160	44	53

SCHRUMPFALTER SCHLANKE TYP
MANDRINI CALETTAMENTO TIPO SLIM
SHRINK FIT HOLDERS SLIM TYPE


BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D	I
RK.SKB.40.80.CL3.SL	40	3	80	9	13	52
RK.SKB.40.120.CL3.SL	40	3	120	9	16	92
RK.SKB.40.80.CL4.SL	40	4	80	10	15	52
RK.SKB.40.120.CL4.SL	40	4	120	10	20	92
RK.SKB.40.80.CL5.SL	40	5	80	11	16	52
RK.SKB.40.120.CL5.SL	40	5	120	11	20	92
RK.SKB.40.80.CL6.SL	40	6	80	12	17	60,9
RK.SKB.40.130.CL6.SL	40	6	130	12	19	110,9
RK.SKB.40.160.CL6.SL	40	6	160	12	19	140,9
RK.SKB.40.80.CL8.SL	40	8	80	14	19	60,9
RK.SKB.40.130.CL8.SL	40	8	130	14	21	110,9
RK.SKB.40.160.CL8.SL	40	8	160	14	21	140,9
RK.SKB.40.80.CL10.SL	40	10	80	16	21	60,9
RK.SKB.40.130.CL10.SL	40	10	130	16	23	110,9
RK.SKB.40.160.CL10.SL	40	10	160	16	23	140,9
RK.SKB.40.80.CL12.SL	40	12	80	18	23	60,9
RK.SKB.40.130.CL12.SL	40	12	130	18	25	110,9
RK.SKB.40.160.CL12.SL	40	12	160	18	25	140,9
RK.SKB.40.80.CL14.SL	40	14	80	22	25	60,9
RK.SKB.40.130.CL14.SL	40	14	130	22	27	110,9
RK.SKB.40.160.CL14.SL	40	14	160	22	27	140,9
RK.SKB.40.80.CL16.SL	40	16	80	24	29	60,9
RK.SKB.40.130.CL16.SL	40	16	130	24	31	110,9
RK.SKB.40.160.CL16.SL	40	16	160	24	31	140,9
RK.SKB.40.80.CL20.SL	40	20	80	32	39	60,9
RK.SKB.40.130.CL20.SL	40	20	130	32	39	110,9
RK.SKB.40.160.CL20.SL	40	20	160	32	39	140,9



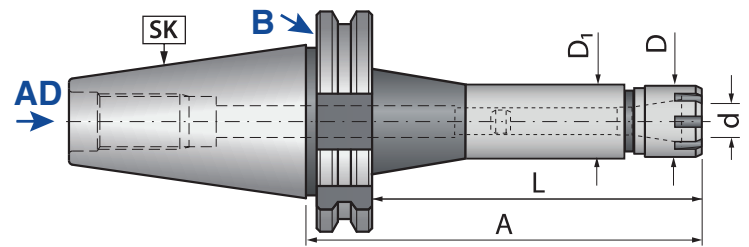
DIN 69871 - SK 40/50

AT2

G6,3 / 15000

AD+B

FRÄSERSPANNFUTTER MINI FÜR ER SPANNZANGEN
 MANDRINI PORTAPINZA MINI PER PINZE ER
 MINI COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	D ₁	L	A
RK.SKB.40.130.ER8M	40	1 ÷ 5	12	12	110,9	130
RK.SKB.40.100.ER11M	40	1 ÷ 7	16	16	80,9	100
RK.SKB.40.125.ER11M	40	1 ÷ 7	16	16	105,9	125
RK.SKB.40.150.ER11M	40	1 ÷ 7	16	16	130,9	150
RK.SKB.40.70.ER16M	40	1 ÷ 10	22	22	50,9	70
RK.SKB.40.100.ER16M	40	1 ÷ 10	22	22	80,9	100
RK.SKB.40.125.ER16M	40	1 ÷ 10	22	22	105,9	125
RK.SKB.40.150.ER16M	40	1 ÷ 10	22	22	130,9	150
RK.SKB.40.100.ER20M	40	1 ÷ 13	28	28	80,9	100
RK.SKB.40.135.ER20M	40	1 ÷ 13	28	28	115,9	135
RK.SKB.40.150.ER20M	40	1 ÷ 13	28	28	130,9	150
RK.SKB.40.100.ER25M	40	1 ÷ 16	35	30	80,9	100
RK.SKB.40.150.ER25M	40	1 ÷ 16	35	30	130,9	150
RK.SKB.40.200.ER25M	40	1 ÷ 16	35	30	180,9	200

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	D ₁	L	A
RK.SKB.50.130.ER16M	50	1 ÷ 10	22	22	110,9	130
RK.SKB.50.160.ER16M	50	1 ÷ 10	22	22	140,9	160
RK.SKB.50.200.ER16M	50	1 ÷ 10	22	22	180,9	200
RK.SKB.50.130.ER20M	50	1 ÷ 13	28	28	110,9	130
RK.SKB.50.130.ER25M	50	1 ÷ 16	35	35	110,9	130
RK.SKB.50.160.ER25M	50	1 ÷ 16	35	35	140,9	160



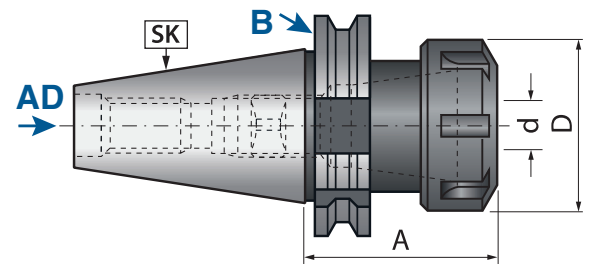
DIN 69871 - SK 40/50

AT2

G6,3 / 15000

AD+B

FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN
 MANDRINI PORTAPINZA PER PINZE ER
 COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SKB.40.70.ER16	40	1 ÷ 10	32	70
RK.SKB.40.100.ER16	40	1 ÷ 10	32	100
RK.SKB.40.120.ER16	40	1 ÷ 10	32	120
RK.SKB.40.130.ER16	40	1 ÷ 10	32	130
RK.SKB.40.150.ER16	40	1 ÷ 10	32	150
RK.SKB.40.160.ER16	40	1 ÷ 10	32	160
RK.SKB.40.200.ER16	40	1 ÷ 10	32	200
RK.SKB.40.70.ER20	40	1 ÷ 13	35	70
RK.SKB.40.100.ER20	40	1 ÷ 13	35	100
RK.SKB.40.130.ER20	40	1 ÷ 13	35	130
RK.SKB.40.160.ER20	40	1 ÷ 13	35	160
RK.SKB.40.70.ER25	40	1 ÷ 16	42	70
RK.SKB.40.100.ER25	40	1 ÷ 16	42	100
RK.SKB.40.130.ER25	40	1 ÷ 16	42	130
RK.SKB.40.160.ER25	40	1 ÷ 16	42	160
RK.SKB.40.200.ER25	40	1 ÷ 16	42	200
RK.SKB.40.47.ER32	40	2 ÷ 20	50	47
RK.SKB.40.70.ER32	40	2 ÷ 20	50	70
RK.SKB.40.100.ER32	40	2 ÷ 20	50	100
RK.SKB.40.130.ER32	40	2 ÷ 20	50	130
RK.SKB.40.160.ER32	40	2 ÷ 20	50	160
RK.SKB.40.200.ER32	40	2 ÷ 20	50	200
RK.SKB.40.70.ER40	40	3 ÷ 26	63	70
RK.SKB.40.100.ER40	40	3 ÷ 26	63	100
RK.SKB.40.130.ER40	40	3 ÷ 26	63	130
RK.SKB.40.160.ER40	40	3 ÷ 26	63	160
RK.SKB.40.200.ER40	40	3 ÷ 26	63	200

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SKB.50.100.ER16	50	1 ÷ 10	32	100
RK.SKB.50.160.ER16	50	1 ÷ 10	32	160
RK.SKB.50.200.ER16	50	1 ÷ 10	32	200
RK.SKB.50.100.ER20	50	1 ÷ 13	35	100
RK.SKB.50.160.ER20	50	1 ÷ 13	35	160
RK.SKB.50.80.ER25	50	1 ÷ 16	42	80
RK.SKB.50.100.ER25	50	1 ÷ 16	42	100
RK.SKB.50.130.ER25	50	1 ÷ 16	42	130
RK.SKB.50.160.ER25	50	1 ÷ 16	42	160
RK.SKB.50.200.ER25	50	1 ÷ 16	42	200
RK.SKB.50.80.ER32	50	2 ÷ 20	50	80
RK.SKB.50.100.ER32	50	2 ÷ 20	50	100
RK.SKB.50.130.ER32	50	2 ÷ 20	50	130
RK.SKB.50.160.ER32	50	2 ÷ 20	50	160
RK.SKB.50.200.ER32	50	2 ÷ 20	50	200
RK.SKB.50.250.ER32	50	2 ÷ 20	50	250
RK.SKB.50.80.ER40	50	3 ÷ 30	63	80
RK.SKB.50.100.ER40	50	3 ÷ 30	63	100
RK.SKB.50.130.ER40	50	3 ÷ 30	63	130
RK.SKB.50.160.ER40	50	3 ÷ 30	63	160
RK.SKB.50.200.ER40	50	3 ÷ 30	63	200
RK.SKB.50.100.ER50	50	6 ÷ 34	78	100
RK.SKB.50.130.ER50	50	6 ÷ 34	78	130
RK.SKB.50.160.ER50	50	6 ÷ 34	78	160



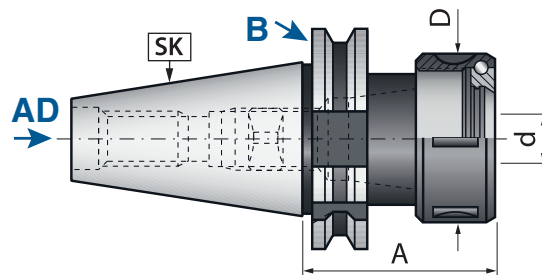
DIN 69871 - SK 40/50

AT2 G6,3 / 15000 AD+B

FRÄSPANNFUTTER FÜR EOC SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE EOC

COLLET CHUCK FOR EOC COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.B.40.70.EOC16	40	2 ÷ 16	43	70
RK.SK.B.40.100.EOC16	40	2 ÷ 16	43	100
RK.SK.B.40.70.EOC25	40	2 ÷ 25	60	70
RK.SK.B.40.100.EOC25	40	2 ÷ 25	60	100
RK.SK.B.40.90.EOC32	40	4 ÷ 32	72	90

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.B.50.70.EOC16	50	2 ÷ 16	43	70
RK.SK.B.50.70.EOC25	50	2 ÷ 25	60	70
RK.SK.B.50.80.EOC32	50	4 ÷ 32	72	80
RK.SK.B.50.100.EOC32	50	4 ÷ 32	72	100

DIN 69871



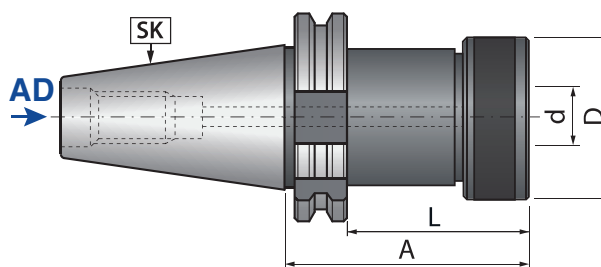
DIN 69871 - SK 40/50

AT2 G2,5 / 25000 AD

SPANNFUTTER FÜR SKS SPANNZANGE

MANDRINI PORTAPINZA PER PINZE SKS

COLLET CHUCK FOR SKS COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	L	A	D
RK.SK.40.90.SKS10	40	2 ÷ 10	52	90	30
RK.SK.40.120.SKS10	40	2 ÷ 10	82	120	30
RK.SK.40.90.SKS20	40	3 ÷ 20	70	90	48,5
RK.SK.40.120.SKS20	40	3 ÷ 20	100	100	48,5

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	L	A	D
RK.SK.50.105.SKS10	50	2 ÷ 10	70	105	30
RK.SK.50.165.SKS10	50	2 ÷ 10	130	165	30
RK.SK.50.105.SKS20	50	3 ÷ 20	80	105	48,5
RK.SK.50.165.SKS20	50	3 ÷ 20	140	165	48,5



DIN 69871 - SK 40/50

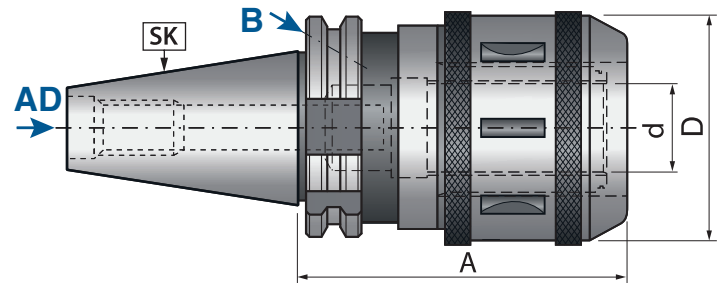
AT2 | G6,3 / 15000 | AD+B

HOCHLEISTUNGSFUTTER

MANDRINI FORTE SERRAGGIO

HIGH POWER CHUCKS

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SKB.40.75.FP20	40	4SR20 - Ø 3 ÷ Ø18	46	75
RK.SKB.40.95.FP32	40	4SR32 - Ø 6 ÷ Ø25	62	95



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SKB.50.85.FP20	50	4SR20 - Ø 3 ÷ Ø18	46	85
RK.SKB.50.85.FP32	50	4SR32 - Ø 6 ÷ Ø25	62	85



DIN 69871 - SK 40/50

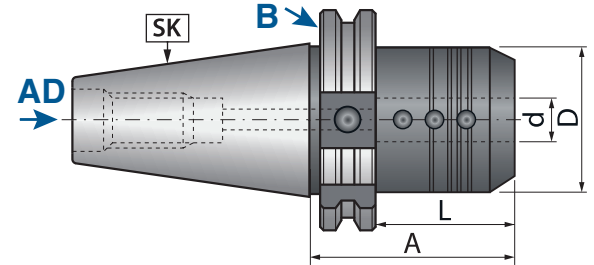
AT2 | G6,3 / 15000 | AD+B

HYDRODEHNSPANNFUTTER

MANDRINI AD ESPANSIONE IDRAULICI

HYDRAULIC EXPANSION CHUCKS

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A	L
RK.SKB.40.77.HY12	40	12	32	77	58
RK.SKB.40.82.HY20	40	20	42	82	63
RK.SKB.40.117.HY25	40	25	50	117	98
RK.SKB.40.117.HY32	40	32	60	117	98



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A	L
RK.SKB.50.82.HY20	50	20	42	82	63
RK.SKB.50.91.HY32	50	32	60	91	72



DIN 69871 - SK 40/50

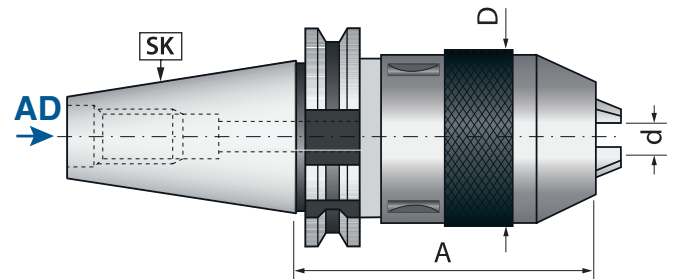
AT2 | G6,3 / 12000 | AD

BOHRFUTTER MIT HAKENKLAPPE

PORTA PUNTE AUTOSERRANTI CON CHIAVE A SETTORE

DRILL CHUCKS WITH HOOK WRENCH

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.40.75.DCK8	40	1 ÷ 8	37	78
RK.SK.40.100.DCK13	40	1 ÷ 13	50	100
RK.SK.40.115.DCK16	40	3 ÷ 16	58	115



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.50.88.DCK13	50	1 ÷ 13	88	88
RK.SK.50.90.DCK16	50	3 ÷ 16	90	90



DIN 69871 - SK 40/50

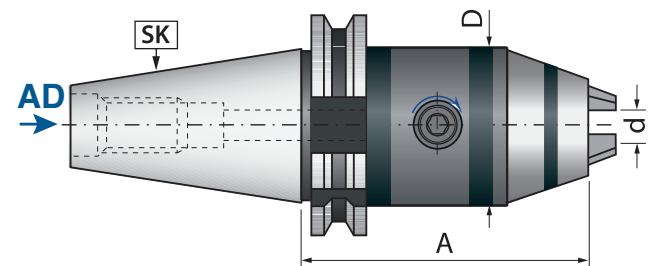
AT2 | G6,3 / 12000 | AD

BOHRFUTTER MIT HEXAGONALER SCHLÜSSEL

PORTA PUNTE AUTOSERRANTI CON CHIAVE ESAGONALE

DRILL CHUCKS WITH HEXAGONAL KEY LOCK

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.40.90.HD13	40	1 ÷ 13	50	90
RK.SK.40.95.HD16	40	3 ÷ 16	58	95



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.SK.50.90.HD13	50	1 ÷ 13	90	90
RK.SK.50.95.HD16	50	3 ÷ 16	95	95

**DIN 69871 - SK 40/50**

AT2

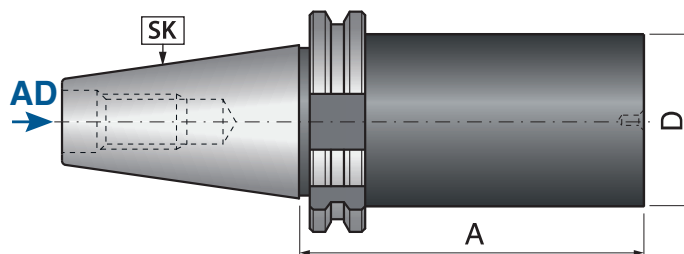
42 HRC

AD

ROHLINGE

MANDRINI A STELLO TENERO LAVORABILE

BLANK ADAPTORS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.SK.40.250.D40BL	40	40	250
RK.SK.40.250.D63BL	40	63	250

BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.SK.50.315.D63BL	50	63	315
RK.SK.50.315.D97BL	50	97	315

DIN
69871**DIN 69871 - SK 40/50**

AT2

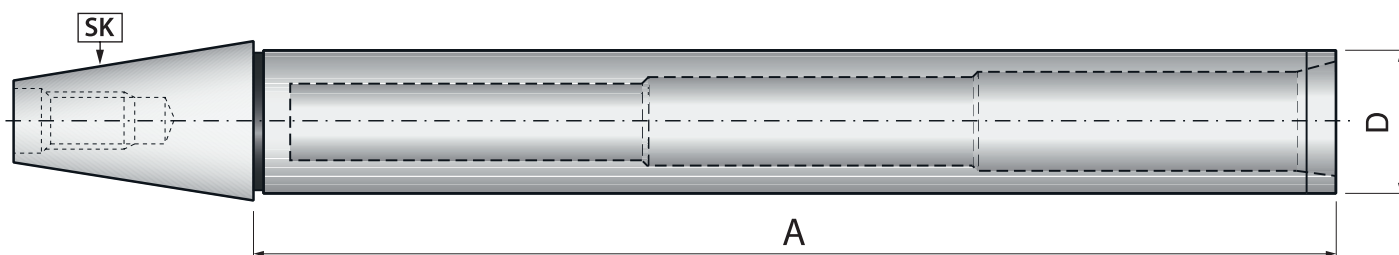
CERTIFICATE

AD

KONTROL DORNE

SPINE DI CONTROLLO

CONTROL BAR



BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.SK.40.300.D40	40	300	40

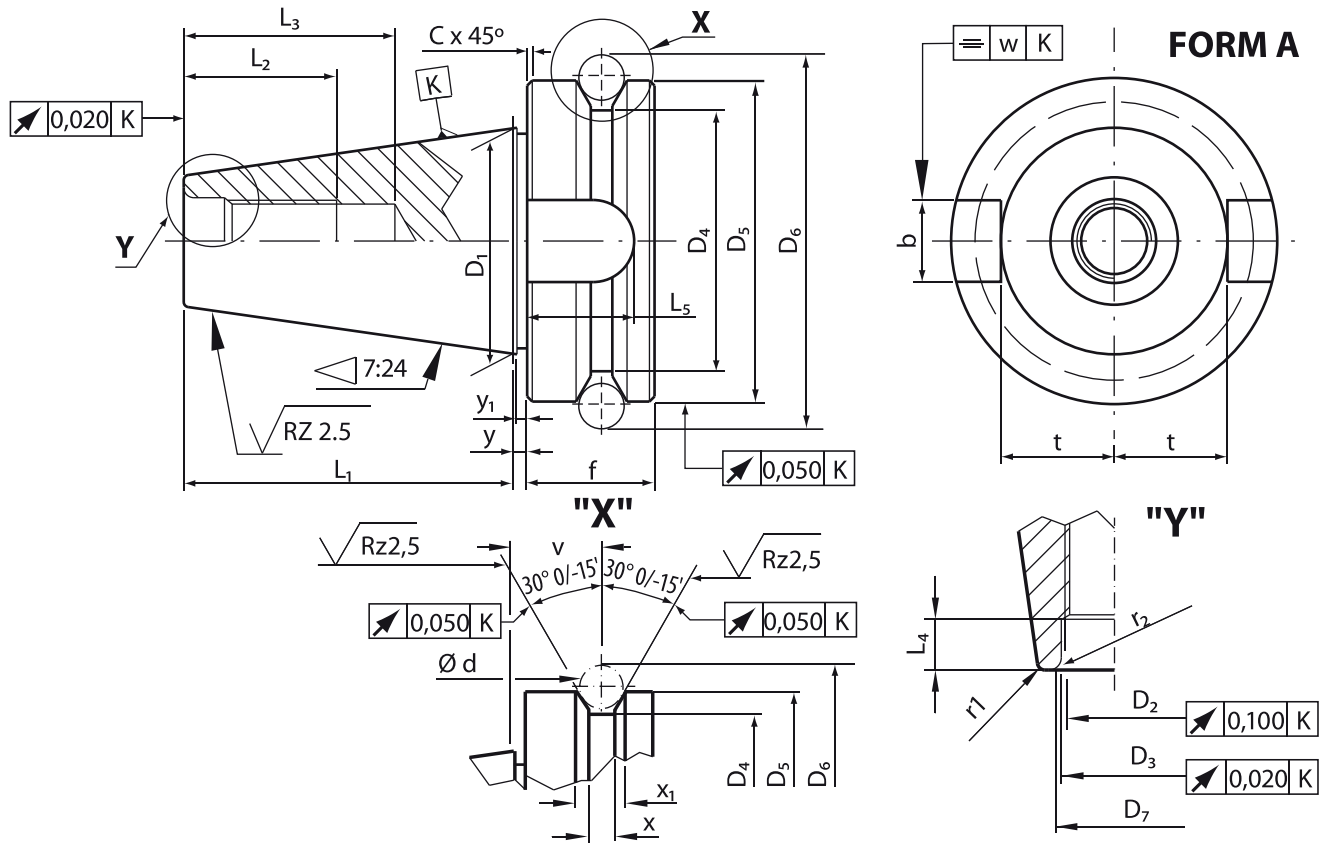
BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.SK.50.300.D50	50	300	50



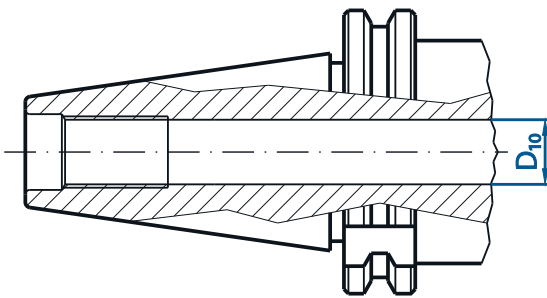
<p>QUERNUT-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE FISSI SHELL MILL ADAPTORS</p>		<p>11-5</p>
<p>KOMBI-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE COMBINATI COMBINATION SHELL MILL ADAPTORS</p>		<p>11-6</p>
<p>ZWISCHENHÜLSE FÜR MK FRÄSER / BOHRER MANDRINI DI RIDUZIONE CM PUNTE / FRESE REDUCING ADAPTORS MT DRILL / MILL</p>		<p>11-7</p>
<p>ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS</p>		<p>11-8</p>
<p>WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS</p>		<p>11-9</p>
<p>SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD</p>		<p>11-10</p>
<p>SCHRUMPFHALTER SCHLANKE TYP MANDRINI CALETTAMENTO TIPO SLIM SHRINK FIT HOLDERS SLIM TYPE</p>		<p>11-11</p>
<p>FRÄSPANNFUTTER FÜR ER SPANZNANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		<p>11-12</p>



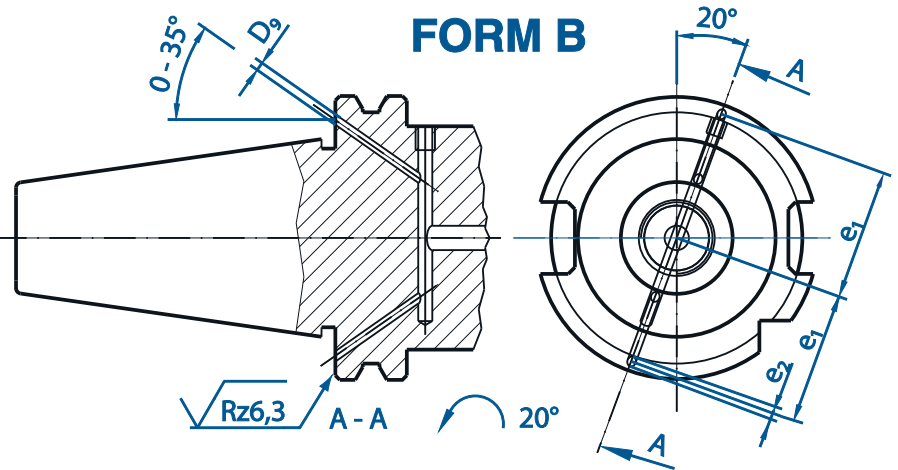
<p>FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZA PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS</p>		<p>11-13</p>
<p>FRÄSERSPANNFUTTER FÜR SKS SPANNZANGEN MANDRINI PORTAPINZA PER PINZE SKS COLLET CHUCKS FOR SKS COLLETS</p>		<p>11-13</p>
<p>HOCHLEISTUNGSTUTTER MANDRINI A FORTE SERRAGGIO HIGH POWER CHUCKS</p>		<p>11-14</p>
<p>HYDRODEHNSPANNFUTTER MANDRINI IDRAULICI HYDRAULIC EXPANSION CHUCKS</p>		<p>11-14</p>
<p>SELBSTBLOCKIERENDE BOHRFUTTER MANDRINI PORTAPUNTE AUTOSERRANTI SELF CLAMPING PRECISION DRILL CHUCK</p>		<p>11-14</p>
<p>PRÄZISIONS SPANNFUTTER MIT SCHLÜSSEL MANDRINI PORTAPUNTE CON CHIAVE PRECISION DRILL CHUCKS WITH KEY</p>		<p>11-14</p>
<p>ROHLINGE STELO TENERO LAVORABILE BLANK ADAPTORS</p>		<p>11-15</p>
<p>KONTROL DORNE SPINE DI CONTROLLO CONTROL BAR</p>		<p>11-15</p>



FORM AD

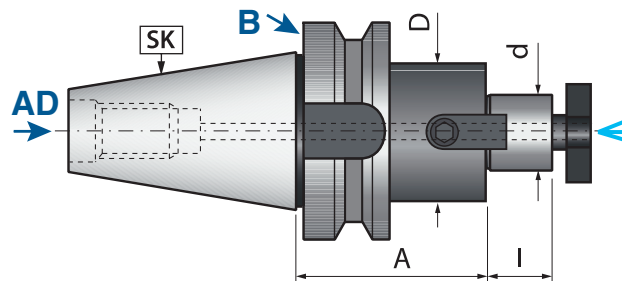


FORM B



K	D_1	L_1 $\pm 0,2$	r_1 max	D_2	D_3 H8	D_7	L_2 min	L_3 min	L_4 $+0,5/0$	y $\pm 0,4$	y_1 $0/-0,4$	D	D_5 h8
30	31,75	48,4	0,5	M 12	12,5	14	24	34	7	2	2	38	46
40	44,45	65,4	1	M 16	17	19	30	43	9	2	2	53	63
45	57,15	82,8	1	M 20	21	23	38	53	11	3	3	73	85
50	69,85	101,8	1	M 24	25	27	45	62	13	3	3	85	100

K	D_6	f	x	x_1 $+0,1/0$	C max	b H12	L_5 min	t $0/-0,2$	w	d	D_9	e_1 $\pm 0,1$	e_2 max
30	56,144	20	4	8	0,5	16,1	17	16,3	0,12	8	4	21	5
40	75,679	25	5	10	0,5	16,1	21	22,6	0,12	10	4	27	5
45	100,216	30	6	12	1	19,3	26	29,1	0,12	12	5	35	6
50	119,020	35	7	15	1	25,7	31	35,4	0,20	15	6	42	7

QUERNUT-AUFSTECHEFRÄSDORN
MANDRINI PORTAFRESE FISSI
SHELL MILL HOLDERS


BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	I	A
RK.BTB.40.35.D16S	40	38	16	17	35
RK.BTB.40.45.D16S	40	38	16	17	45
RK.BTB.40.100.D16S	40	38	16	17	100
RK.BTB.40.130.D16S	40	38	16	17	130
RK.BTB.40.160.D16S	40	38	16	17	160
RK.BTB.40.200.D16S	40	38	16	17	200
RK.BTB.40.35.D22S	40	48	22	19	35
RK.BTB.40.45.D22S	40	48	22	19	45
RK.BTB.40.100.D22S	40	48	22	19	100
RK.BTB.40.130.D22S	40	48	22	19	130
RK.BTB.40.160.D22S	40	48	22	19	160
RK.BTB.40.200.D22S	40	48	22	19	200
RK.BTB.40.35.D27S	40	58	27	21	35
RK.BTB.40.45.D27S	40	58	27	21	45
RK.BTB.40.100.D27S	40	58	27	21	100
RK.BTB.40.130.D27S	40	58	27	21	130
RK.BTB.40.160.D27S	40	58	27	21	160
RK.BTB.40.200.D27S	40	58	27	21	200
RK.BTB.40.50.D32S	40	78	32	24	50
RK.BTB.40.56.D32S	40	63	32	24	56
RK.BTB.40.100.D32S	40	63	32	24	100
RK.BTB.40.130.D32S	40	63	32	24	130
RK.BTB.40.160.D32S	40	63	32	24	160
RK.BTB.40.200.D32S	40	63	32	24	200
RK.BTB.40.50.D40S	40	88	40	27	50
RK.BTB.40.60.D40S	40	80	40	27	60
RK.BTB.40.100.D40S	40	80	40	27	100
RK.BTB.40.130.D40S	40	80	40	27	130
RK.BTB.40.160.D40S	40	80	40	27	160
RK.BTB.40.200.D40S	40	80	40	27	200

BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	I	A
RK.BTB.50.50.D16S	50	38	16	17	50
RK.BTB.50.75.D16S	50	38	16	17	75
RK.BTB.50.100.D16S	50	38	16	17	100
RK.BTB.50.130.D16S	50	38	16	17	130
RK.BTB.50.160.D16S	50	38	16	17	160
RK.BTB.50.200.D16S	50	38	16	17	200
RK.BTB.50.250.D16S	50	38	16	17	250
RK.BTB.50.300.D16S	50	38	16	17	300
RK.BTB.50.350.D16S	50	38	16	17	350
RK.BTB.50.55.D22S	50	48	22	19	55
RK.BTB.50.75.D22S	50	48	22	19	75
RK.BTB.50.100.D22S	50	48	22	19	100
RK.BTB.50.130.D22S	50	48	22	19	130
RK.BTB.50.160.D22S	50	48	22	19	160
RK.BTB.50.200.D22S	50	48	22	19	200
RK.BTB.50.250.D22S	50	48	22	19	250
RK.BTB.50.300.D22S	50	48	22	19	300
RK.BTB.50.350.D22S	50	48	22	19	350
RK.BTB.50.55.D27S	50	58	27	21	55
RK.BTB.50.75.D27S	50	58	27	21	75
RK.BTB.50.100.D27S	50	58	27	21	100
RK.BTB.50.130.D27S	50	58	27	21	130
RK.BTB.50.160.D27S	50	58	27	21	160
RK.BTB.50.200.D27S	50	58	27	21	200
RK.BTB.50.250.D27S	50	58	27	21	250
RK.BTB.50.300.D27S	50	58	27	21	300
RK.BTB.50.350.D27S	50	58	27	21	350
RK.BTB.50.55.D32S	50	78	32	24	55
RK.BTB.50.75.D32S	50	78	32	24	75
RK.BTB.50.100.D32S	50	78	32	24	100
RK.BTB.50.130.D32S	50	78	32	24	130
RK.BTB.50.160.D32S	50	78	32	24	160
RK.BTB.50.200.D32S	50	78	32	24	200
RK.BTB.50.250.D32S	50	78	32	24	250
RK.BTB.50.300.D32S	50	78	32	24	300
RK.BTB.50.350.D32S	50	78	32	24	350
RK.BTB.50.55.D40S	50	88	40	27	55
RK.BTB.50.75.D40S	50	88	40	27	75
RK.BTB.50.100.D40S	50	88	40	27	100
RK.BTB.50.130.D40S	50	88	40	27	130
RK.BTB.50.160.D40S	50	88	40	27	160
RK.BTB.50.200.D40S	50	88	40	27	200

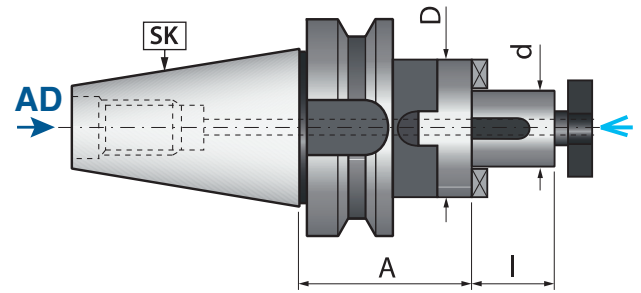


MAS 403 - BT - SK 40/50

AT2 | G6,3 / 15000 | AD

KOMBI-AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI COMBI SHELL MILL HOLDER

BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	l	A
RK.BT.40.100.D13C	40	28	13	12	100
RK.BT.40.55.D16C	40	32	16	17	55
RK.BT.40.100.D16C	40	32	16	17	100
RK.BT.40.55.D22C	40	40	22	19	55
RK.BT.40.100.D22C	40	40	22	19	100
RK.BT.40.55.D27C	40	48	27	21	55
RK.BT.40.100.D27C	40	48	27	21	100
RK.BT.40.60.D32C	40	58	32	24	60
RK.BT.40.100.D32C	40	58	32	24	100
RK.BT.40.60.D40C	40	70	40	27	60
RK.BT.40.100.D40C	40	70	40	27	100



BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	l	A
RK.BT.50.70.D16C	50	32	16	17	70
RK.BT.50.70.D22C	50	40	22	19	70
RK.BT.50.70.D27C	50	48	27	21	70
RK.BT.50.70.D32C	50	58	32	24	70
RK.BT.50.70.D40C	50	70	40	27	70

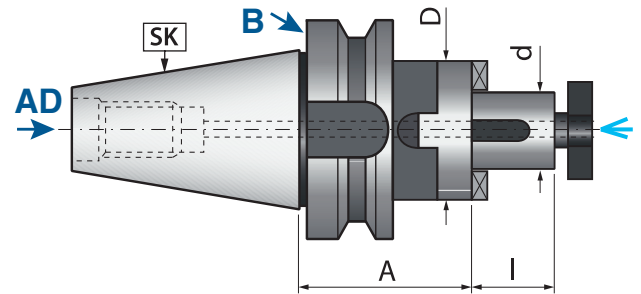


MAS 403 - BT - SK 40/50

AT2 | G6,3 / 15000 | AD+B

KOMBI-AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI COMBI SHELL MILL HOLDER

BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	l	A
RK.BTB.40.55.D16C	40	32	16	17	55
RK.BTB.40.100.D16C	40	32	16	17	100
RK.BTB.40.130.D16C	40	32	16	17	130
RK.BTB.40.160.D16C	40	32	16	17	160
RK.BTB.40.200.D16C	40	32	16	17	200
RK.BTB.40.55.D22C	40	40	22	19	55
RK.BTB.40.100.D22C	40	40	22	19	100
RK.BTB.40.130.D22C	40	40	22	19	130
RK.BTB.40.160.D22C	40	40	22	19	160
RK.BTB.40.200.D22C	40	40	22	19	200
RK.BTB.40.55.D27C	40	48	27	21	55
RK.BTB.40.100.D27C	40	48	27	21	100
RK.BTB.40.130.D27C	40	48	27	21	130
RK.BTB.40.160.D27C	40	48	27	21	160
RK.BTB.40.200.D27C	40	48	27	21	200
RK.BTB.40.60.D32C	40	58	32	24	60
RK.BTB.40.100.D32C	40	58	32	24	100
RK.BTB.40.130.D32C	40	58	32	24	130
RK.BTB.40.160.D32C	40	58	32	24	160
RK.BTB.40.200.D32C	40	58	32	24	200
RK.BTB.40.60.D40C	40	70	40	27	60
RK.BTB.40.100.D40C	40	70	40	27	100
RK.BTB.40.130.D40C	40	70	40	27	130
RK.BTB.40.160.D40C	40	70	40	27	160
RK.BTB.40.200.D40C	40	70	40	27	200



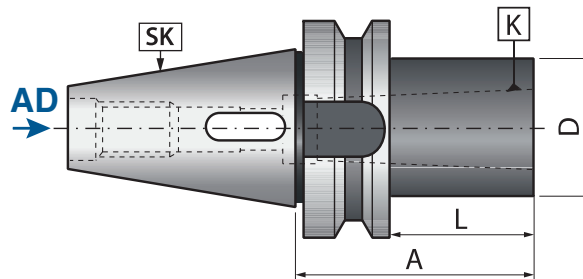
BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	d	l	A
RK.BTB.50.70.D16C	50	32	16	17	70
RK.BTB.50.100.D16C	50	32	16	17	100
RK.BTB.50.130.D16C	50	32	16	17	130
RK.BTB.50.160.D16C	50	32	16	17	160
RK.BTB.50.200.D16C	50	32	16	17	200
RK.BTB.50.70.D22C	50	40	22	19	70
RK.BTB.50.100.D22C	50	40	22	19	100
RK.BTB.50.130.D22C	50	40	22	19	130
RK.BTB.50.160.D22C	50	40	22	19	160
RK.BTB.50.200.D22C	50	40	22	19	200
RK.BTB.50.70.D27C	50	48	27	21	70
RK.BTB.50.100.D27C	50	48	27	21	100
RK.BTB.50.130.D27C	50	48	27	21	130
RK.BTB.50.160.D27C	50	48	27	21	160
RK.BTB.50.200.D27C	50	48	27	21	200
RK.BTB.50.70.D32C	50	58	32	24	70
RK.BTB.50.100.D32C	50	58	32	24	100
RK.BTB.50.130.D32C	50	58	32	24	130
RK.BTB.50.160.D32C	50	58	32	24	160
RK.BTB.50.200.D32C	50	58	32	24	200
RK.BTB.50.70.D40C	50	70	40	27	70
RK.BTB.50.100.D40C	50	70	40	27	100
RK.BTB.50.130.D40C	50	70	40	27	130
RK.BTB.50.160.D40C	50	70	40	27	160
RK.BTB.50.200.D40C	50	70	40	27	200



MAS 403 - BT - SK 40/50

AT2 G6,3 / 15000 AD

ZWISCHENHÜLSE FÜR BOHRER MORSE KEGEL
MANDRINI DI RIDUZIONE PER PUNTE CONO MORSE
REDUCING ADAPTERS FOR MORSE TAPER DRILLS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.BT.40.50.CM1P	40	1	25	23	50
RK.BT.40.50.CM2P	40	2	32	23	50
RK.BT.40.70.CM3P	40	3	40	43	70
RK.BT.40.95.CM4P	40	4	48	68	95

BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	L	A
RK.BT.50.45.CM1P	50	1	25	7	45
RK.BT.50.120.CM1P	50	1	25	82	120
RK.BT.50.60.CM2P	50	2	32	22	60
RK.BT.50.135.CM2P	50	2	32	97	135
RK.BT.50.65.CM3P	50	3	40	27	65
RK.BT.50.155.CM3P	50	3	40	117	155
RK.BT.50.95.CM4P	50	4	40	57	95
RK.BT.50.180.CM4P	50	4	48	142	180
RK.BT.50.105.CM5P	50	5	48	67	105
RK.BT.50.215.CM5P	50	5	48	177	215

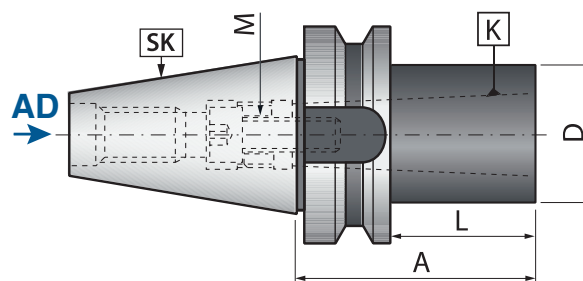
MAS 403
- BT



MAS 403 - BT - SK 40/50

AT2 G6,3 / 15000 AD

ZWISCHENHÜLSE FÜR FRÄSER MORSE KEGEL
MANDRINI DI RIDUZIONE PER FRESE CONO MORSE
REDUCING ADAPTERS FOR MORSE TAPER MILL



BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	M	L	A
RK.BT.40.50.CM1F	40	1	25	M6	23	50
RK.BT.40.50.CM2F	40	2	32	M10	23	50
RK.BT.40.70.CM3F	40	3	40	M12	43	70
RK.BT.40.95.CM4F	40	4	48	M16	68	95
RK.BT.40.110.CM4F	40	4	48	M16	83	110

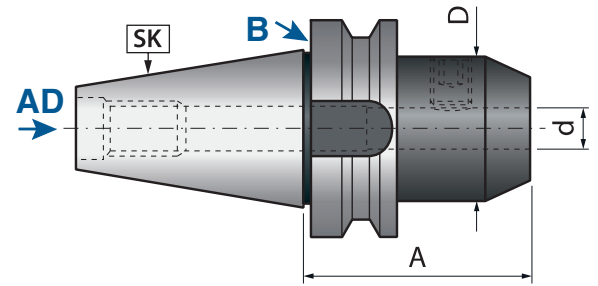
BESTELL.-NR. ARTICOLO ORDER NR.	SK	K	D	M	L	A
RK.BT.50.45.CM1F	50	1	25	M6	7	45
RK.BT.50.60.CM2F	50	2	32	M10	22	60
RK.BT.50.65.CM3F	50	3	40	M12	27	65
RK.BT.50.70.CM4F	50	4	48	M16	32	70
RK.BT.50.85.CM4F	50	4	48	M16	47	85
RK.BT.50.100.CM5F	50	5	63	M20	62	100
RK.BT.50.118.CM5F	50	5	63	M20	80	118

**MAS 403 - BT - SK 40/50**

AT2

G6,3 / 15000

AD+B

ZWISCHENHÜLSEN FÜR WELDON FRÄSER**MANDRINI PER FRESE WELDON****WELDON END MILLS HOLDERS**

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.40.50.WE6	40	6	25	50
RK.BTB.40.100.WE6	40	6	25	100
RK.BTB.40.130.WE6	40	6	25	130
RK.BTB.40.160.WE6	40	6	25	160
RK.BTB.40.50.WE8	40	8	28	50
RK.BTB.40.100.WE8	40	8	28	100
RK.BTB.40.130.WE8	40	8	28	130
RK.BTB.40.160.WE8	40	8	28	160
RK.BTB.40.63.WE10	40	10	35	63
RK.BTB.40.100.WE10	40	10	35	100
RK.BTB.40.130.WE10	40	10	35	130
RK.BTB.40.160.WE10	40	10	35	160
RK.BTB.40.63.WE12	40	12	42	63
RK.BTB.40.100.WE12	40	12	42	100
RK.BTB.40.130.WE12	40	12	42	130
RK.BTB.40.160.WE12	40	12	42	160
RK.BTB.40.63.WE14	40	14	44	63
RK.BTB.40.100.WE14	40	14	44	100
RK.BTB.40.130.WE14	40	14	44	130
RK.BTB.40.160.WE14	40	14	44	160
RK.BTB.40.63.WE16	40	16	48	63
RK.BTB.40.100.WE16	40	16	48	100
RK.BTB.40.130.WE16	40	16	48	130
RK.BTB.40.160.WE16	40	16	48	160
RK.BTB.40.63.WE18	40	18	50	63
RK.BTB.40.100.WE18	40	18	50	100
RK.BTB.40.130.WE18	40	18	50	130
RK.BTB.40.160.WE18	40	18	50	160
RK.BTB.40.63.WE20	40	20	52	63
RK.BTB.40.100.WE20	40	20	52	100
RK.BTB.40.130.WE20	40	20	52	130
RK.BTB.40.160.WE20	40	20	52	160
RK.BTB.40.90.WE25	40	25	65	90
RK.BTB.40.130.WE25	40	25	65	130
RK.BTB.40.160.WE25	40	25	65	160
RK.BTB.40.100.WE32	40	32	72	100
RK.BTB.40.130.WE32	40	32	72	130
RK.BTB.40.160.WE32	40	32	72	160
RK.BTB.40.120.WE40	40	40	80	120

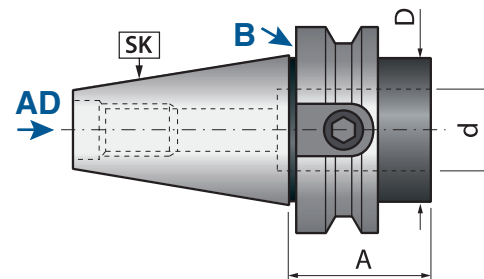
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.50.63.WE6	50	6	25	63
RK.BTB.50.100.WE6	50	6	25	100
RK.BTB.50.130.WE6	50	6	25	130
RK.BTB.50.160.WE6	50	6	25	160
RK.BTB.50.200.WE6	50	6	25	200
RK.BTB.50.63.WE8	50	8	28	63
RK.BTB.50.100.WE8	50	8	28	100
RK.BTB.50.130.WE8	50	8	28	130
RK.BTB.50.160.WE8	50	8	28	160
RK.BTB.50.200.WE8	50	8	28	200
RK.BTB.50.63.WE10	50	10	35	63
RK.BTB.50.100.WE10	50	10	35	100
RK.BTB.50.130.WE10	50	10	35	130
RK.BTB.50.160.WE10	50	10	35	160
RK.BTB.50.200.WE10	50	10	35	200
RK.BTB.50.80.WE12	50	12	42	80
RK.BTB.50.100.WE12	50	12	42	100
RK.BTB.50.130.WE12	50	12	42	130
RK.BTB.50.160.WE12	50	12	42	160
RK.BTB.50.200.WE12	50	12	42	200
RK.BTB.50.80.WE14	50	14	44	80
RK.BTB.50.100.WE14	50	14	44	100
RK.BTB.50.130.WE14	50	14	44	130
RK.BTB.50.160.WE14	50	14	44	160
RK.BTB.50.200.WE14	50	14	44	200
RK.BTB.50.80.WE16	50	16	48	80
RK.BTB.50.100.WE16	50	16	48	100
RK.BTB.50.130.WE16	50	16	48	130
RK.BTB.50.160.WE16	50	16	48	160
RK.BTB.50.200.WE16	50	16	48	200
RK.BTB.50.80.WE18	50	18	50	80
RK.BTB.50.100.WE18	50	18	50	100
RK.BTB.50.130.WE18	50	18	50	130
RK.BTB.50.160.WE18	50	18	50	160
RK.BTB.50.200.WE18	50	18	50	200
RK.BTB.50.80.WE20	50	20	52	80
RK.BTB.50.100.WE20	50	20	52	100
RK.BTB.50.130.WE20	50	20	52	130
RK.BTB.50.160.WE20	50	20	52	160
RK.BTB.50.200.WE20	50	20	52	200
RK.BTB.50.100.WE25	50	25	65	100
RK.BTB.50.130.WE25	50	25	65	130
RK.BTB.50.160.WE25	50	25	65	160
RK.BTB.50.200.WE25	50	25	65	200
RK.BTB.50.105.WE32	50	32	72	105
RK.BTB.50.130.WE32	50	32	72	130
RK.BTB.50.160.WE32	50	32	72	160
RK.BTB.50.200.WE32	50	32	72	200
RK.BTB.50.120.WE40	50	40	80	120
RK.BTB.50.160.WE40	50	40	80	160
RK.BTB.50.200.WE40	50	40	80	200
RK.BTB.50.125.WE50	50	50	90	125



MAS 403 - BT - SK 40/50

AT2 | G6,3 / 15000 | AD+B

AUSZÜGEHALTER FÜR WELDON FRÄSER MANDRINI EXTRACORTI PER FRESE WELDON EXTRA SHORT TOOLHOLDERS FOR WELDON MILLS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	SCHRAUBEN - VITI - SCREWS	A
RK.BTB.40.35.WE16	40	16	43,5	M14x16	35
RK.BTB.40.35.WE20	40	20	43,5	M16x16	35
RK.BTB.40.35.WE25	40	25	43,5	M16x10	35
RK.BTB.40.60.WE25	40	25	50	M18x2x12+ M16x1x8	60
RK.BTB.40.40.WE32	40	32	50	M20x2x20+M16x1x8	40
RK.BTB.40.70.WE32	40	32	72	M20x2x20+ M16x1x8	70

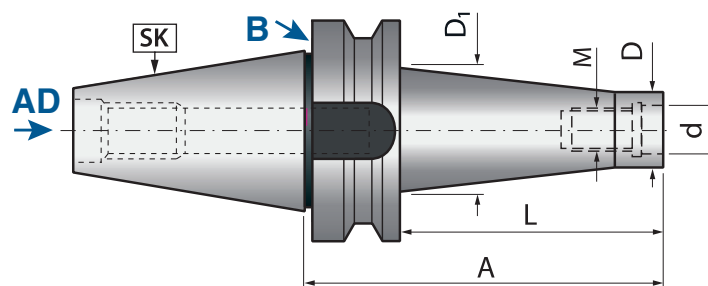
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	SCHRAUBEN - VITI - SCREWS	A
RK.BTB.50.44.WE16	50	16	70	M14x16	44
RK.BTB.50.44.WE20	50	20	70	M16x16	44
RK.BTB.50.44.WE25	50	25	70	M18x2x20	44
RK.BTB.50.44.WE32	50	32	70	M20x2x20	44
RK.BTB.50.44.WE40	50	40	80	M20x2x20	44



MAS 403 - BT - SK 40/50

AT2 | G2,5 / 25000 | AD+B

WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	M	d	D	D ₁	L	A
RK.BTB.40.52.M6CPY	40	M6	6,5	10	13	25	52
RK.BTB.40.77.M6CPY	40	M6	6,5	10	20	50	77
RK.BTB.40.102.M6CPY	40	M6	6,5	10	23	75	102
RK.BTB.40.63.M8CPY	40	M8	8,5	13	15	36	63
RK.BTB.40.83.M8CPY	40	M8	8,5	13	23	56	83
RK.BTB.40.103.M8CPY	40	M8	8,5	13	23	76	103
RK.BTB.40.123.M8CPY	40	M8	8,5	13	25	96	123
RK.BTB.40.63.M10CPY	40	M10	10,5	18	20	36	63
RK.BTB.40.83.M10CPY	40	M10	10,5	18	25	56	83
RK.BTB.40.103.M10CPY	40	M10	10,5	18	28	76	103
RK.BTB.40.123.M10CPY	40	M10	10,5	18	28	96	123
RK.BTB.40.63.M12CPY	40	M12	12,5	21	24	36	63
RK.BTB.40.83.M12CPY	40	M12	12,5	21	24	56	83
RK.BTB.40.103.M12CPY	40	M12	12,5	21	31	76	103
RK.BTB.40.123.M12CPY	40	M12	12,5	21	31	96	123
RK.BTB.40.63.M16CPY	40	M16	17	29	34	36	63
RK.BTB.40.83.M16CPY	40	M16	17	29	34	56	83
RK.BTB.40.103.M16CPY	40	M16	17	29	34	76	103
RK.BTB.40.123.M16CPY	40	M16	17	29	39	96	123
RK.BTB.40.153.M16CPY	40	M16	17	29	39	126	153

BESTELL.-NR. ARTICOLO ORDER NR.	SK	M	d	D	D ₁	L	A
RK.BT.50.88.M8CPY	50	M8	8,5	13	23	50	88
RK.BT.50.138.M8CPY	50	M8	8,5	13	25	100	138
RK.BT.50.188.M8CPY	50	M8	8,5	13	30	150	188
RK.BT.50.88.M10CPY	50	M10	10,5	18	23	50	88
RK.BT.50.138.M10CPY	50	M10	10,5	18	32	100	138
RK.BT.50.188.M10CPY	50	M10	10,5	18	36,5	150	188
RK.BT.50.88.M12CPY	50	M12	12,5	21	24	50	88
RK.BT.50.138.M12CPY	50	M12	12,5	21	33	100	138
RK.BT.50.188.M12CPY	50	M12	12,5	21	40	150	188
RK.BT.50.88.M16CPY	50	M16	17	29	34	50	88
RK.BT.50.138.M16CPY	50	M16	17	29	36	100	138
RK.BT.50.188.M16CPY	50	M16	17	29	42,5	150	188

MAS 403 - BT



MAS 403 - BT - SK 40/50

AT2

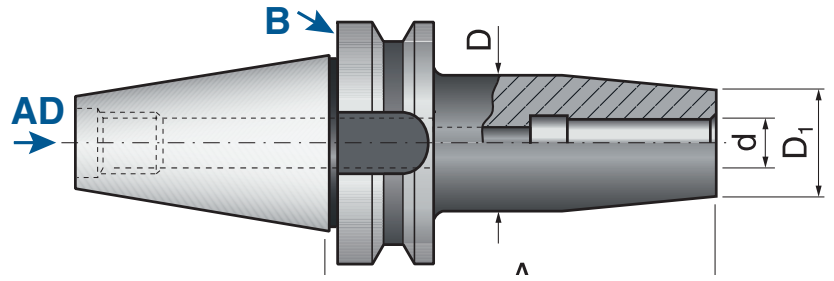
G2,5 / 25000

AD+B

SCHRUMPFALTER STANDARD

MANDRINI CALETTAMENTO STANDARD

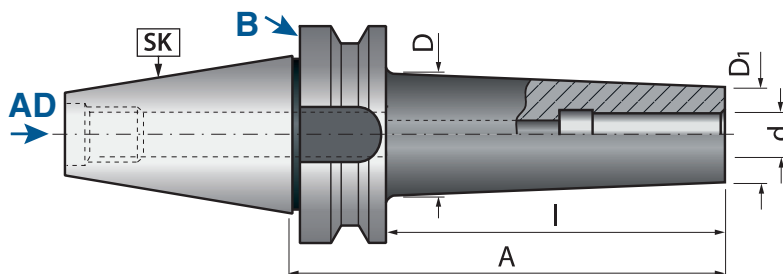
SHRINK FIT HOLDERS STANDARD



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D
RK.BTB.40.90.CL3	40	3	90	10	20
RK.BTB.40.120.CL3	40	3	120	10	20
RK.BTB.40.160.CL3	40	3	160	10	20
RK.BTB.40.90.CL4	40	4	90	15	22
RK.BTB.40.120.CL4	40	4	120	15	22
RK.BTB.40.160.CL4	40	4	160	15	22
RK.BTB.40.90.CL5	40	5	90	15	22
RK.BTB.40.120.CL5	40	5	120	15	22
RK.BTB.40.160.CL5	40	5	160	15	22
RK.BTB.40.90.CL6	40	6	90	21	27
RK.BTB.40.130.CL6	40	6	130	21	27
RK.BTB.40.160.CL6	40	6	160	21	27
RK.BTB.40.90.CL8	40	8	90	21	27
RK.BTB.40.130.CL8	40	8	130	21	27
RK.BTB.40.160.CL8	40	8	160	21	27
RK.BTB.40.90.CL10	40	10	90	24	32
RK.BTB.40.130.CL10	40	10	130	24	32
RK.BTB.40.160.CL10	40	10	160	24	32
RK.BTB.40.90.CL12	40	12	90	24	32
RK.BTB.40.130.CL12	40	12	130	24	32
RK.BTB.40.160.CL12	40	12	160	24	32
RK.BTB.40.90.CL14	40	14	90	27	34
RK.BTB.40.130.CL14	40	14	130	27	34
RK.BTB.40.160.CL14	40	14	160	27	34
RK.BTB.40.90.CL16	40	16	90	27	34
RK.BTB.40.130.CL16	40	16	130	27	34
RK.BTB.40.160.CL16	40	16	160	27	34
RK.BTB.40.90.CL18	40	18	90	33	42
RK.BTB.40.130.CL18	40	18	130	33	42
RK.BTB.40.160.CL18	40	18	160	33	42
RK.BTB.40.90.CL20	40	20	90	33	42
RK.BTB.40.130.CL20	40	20	130	33	42
RK.BTB.40.160.CL20	40	20	160	33	42
RK.BTB.40.100.CL25	40	25	100	44	53
RK.BTB.40.130.CL25	40	25	130	44	53
RK.BTB.40.160.CL25	40	25	160	44	53
RK.BTB.40.100.CL32	40	32	100	44	53
RK.BTB.40.130.CL32	40	32	130	44	53
RK.BTB.40.160.CL32	40	32	160	44	53

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D
RK.BTB.50.100.CL3	50	3	100	10	20
RK.BTB.50.120.CL3	50	3	120	10	20
RK.BTB.50.160.CL3	50	3	160	10	20
RK.BTB.50.100.CL4	50	4	100	15	25
RK.BTB.50.120.CL4	50	4	120	15	22
RK.BTB.50.160.CL4	50	4	160	15	22
RK.BTB.50.100.CL5	50	5	100	15	25
RK.BTB.50.120.CL5	50	5	120	15	22
RK.BTB.50.160.CL5	50	5	160	15	22
RK.BTB.50.100.CL6	50	6	100	20	27
RK.BTB.50.120.CL6	50	6	120	20	27
RK.BTB.50.160.CL6	50	6	160	20	27
RK.BTB.50.100.CL8	50	8	100	20	27
RK.BTB.50.120.CL8	50	8	120	20	27
RK.BTB.50.160.CL8	50	8	160	20	27
RK.BTB.50.100.CL10	50	10	100	24	31
RK.BTB.50.120.CL10	50	10	120	24	31
RK.BTB.50.160.CL10	50	10	160	24	31
RK.BTB.50.100.CL12	50	12	100	24	31
RK.BTB.50.120.CL12	50	12	120	24	31
RK.BTB.50.160.CL12	50	12	160	24	31
RK.BTB.50.100.CL14	50	14	100	27	34
RK.BTB.50.120.CL14	50	14	120	27	34
RK.BTB.50.160.CL14	50	14	160	27	34
RK.BTB.50.100.CL16	50	16	100	27	34
RK.BTB.50.120.CL16	50	16	120	27	34
RK.BTB.50.160.CL16	50	16	160	27	34
RK.BTB.50.100.CL18	50	18	100	33	40
RK.BTB.50.120.CL18	50	18	120	33	40
RK.BTB.50.160.CL18	50	18	160	33	40
RK.BTB.50.90.CL20	50	20	100	33	40
RK.BTB.50.120.CL20	50	20	120	33	40
RK.BTB.50.160.CL20	50	20	160	33	40
RK.BTB.50.110.CL25	50	25	110	44	53
RK.BTB.50.120.CL25	50	25	120	44	53
RK.BTB.50.160.CL25	50	25	160	44	53
RK.BTB.50.110.CL32	50	32	110	44	53
RK.BTB.50.120.CL32	50	32	120	44	53
RK.BTB.50.160.CL32	50	32	160	44	53

SCHRUMPFALTER SCHLANKE TYP
MANDRINI CALETTAMENTO TIPO SLIM
SHRINK FIT HOLDERS SLIM TYPE



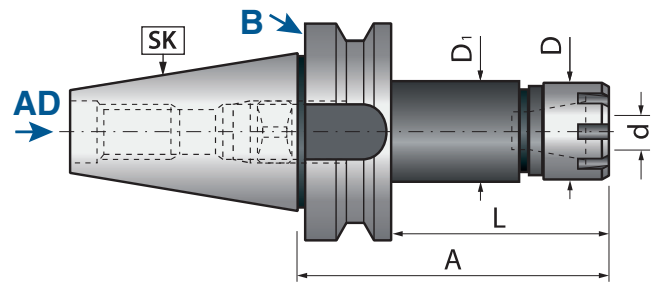
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	A	D ₁	D	I
RK.BTB.40.90.CL3.SL	40	3	90	9	13	63
RK.BTB.40.120.CL3.SL	40	3	120	9	16	93
RK.BTB.40.90.CL4.SL	40	4	90	10	15	63
RK.BTB.40.120.CL4.SL	40	4	120	10	15	93
RK.BTB.40.90.CL5.SL	40	5	90	11	16	63
RK.BTB.40.120.CL5.SL	40	5	120	11	20	93
RK.BTB.40.90.CL6.SL	40	6	90	12	17	63
RK.BTB.40.130.CL6.SL	40	6	130	12	19	103
RK.BTB.40.160.CL6.SL	40	6	160	12	19	133
RK.BTB.40.90.CL8.SL	40	8	90	14	19	63
RK.BTB.40.130.CL8.SL	40	8	130	14	21	103
RK.BTB.40.160.CL8.SL	40	8	160	14	21	133
RK.BTB.40.90.CL10.SL	40	10	90	16	21	63
RK.BTB.40.130.CL10.SL	40	10	130	16	23	103
RK.BTB.40.160.CL10.SL	40	10	160	16	23	133
RK.BTB.40.90.CL12.SL	40	12	90	18	23	63
RK.BTB.40.130.CL12.SL	40	12	130	18	25	103
RK.BTB.40.160.CL12.SL	40	12	160	18	25	133
RK.BTB.40.90.CL14.SL	40	14	90	22	25	63
RK.BTB.40.130.CL14.SL	40	14	130	22	27	103
RK.BTB.40.160.CL14.SL	40	14	160	22	27	133
RK.BTB.40.90.CL16.SL	40	16	90	24	29	63
RK.BTB.40.130.CL16.SL	40	16	130	21	31	103
RK.BTB.40.160.CL16.SL	40	16	160	24	31	133
RK.BTB.40.90.CL20.SL	40	20	90	28	33	63
RK.BTB.40.130.CL20.SL	40	20	130	28	35	103
RK.BTB.40.160.CL20.SL	40	20	160	28	35	133



MAS 403 - BT - SK 40/50

AT2 | G6,3 / 15000 | AD+B

FRÄSERSPANNFUTTER MINI FÜR ER SPANNZANGEN
MANDRINI PORTAPINZA MINI PER PINZE ER
MINI COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	D ₁	L	A
RK.BTB.40.100.ER11M	40	1 ÷ 7	16	16	73	100
RK.BTB.40.125.ER11M	40	1 ÷ 7	16	16	98	125
RK.BTB.40.150.ER11M	40	1 ÷ 7	16	16	123	150
RK.BTB.40.100.ER16M	40	1 ÷ 10	22	22	73	100
RK.BTB.40.125.ER16M	40	1 ÷ 10	22	22	98	125
RK.BTB.40.150.ER16M	40	1 ÷ 10	22	22	123	150
RK.BTB.40.100.ER20M	40	1 ÷ 13	28	28	73	100
RK.BTB.40.135.ER20M	40	1 ÷ 13	28	28	108	135
RK.BTB.40.150.ER20M	40	1 ÷ 13	28	28	123	160
RK.BTB.40.100.ER25M	40	1 ÷ 16	35	35	73	100
RK.BTB.40.150.ER25M	40	1 ÷ 16	35	35	123	160
RK.BTB.40.200.ER25M	40	1 ÷ 16	35	35	173	200

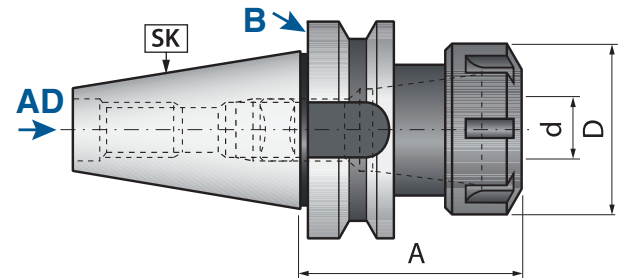
BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	D ₁	L	A
RK.BTB.50.135.ER16M	50	1 ÷ 10	22	22	97	135
RK.BTB.50.160.ER16M	50	1 ÷ 10	22	22	122	160
RK.BTB.50.200.ER16M	50	1 ÷ 10	22	22	162	200
RK.BTB.50.135.ER20M	50	1 ÷ 13	28	28	97	135



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AT2 | G6,3 / 15000 | AD+B

FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN
MANDRINI PORTAPINZA PER PINZE ER
COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.40.70.ER16	40	1 ÷ 10	32	70
RK.BTB.40.100.ER16	40	1 ÷ 10	32	100
RK.BTB.40.120.ER16	40	1 ÷ 10	32	120
RK.BTB.40.150.ER16	40	1 ÷ 10	32	150
RK.BTB.40.200.ER16	40	1 ÷ 10	32	200
RK.BTB.40.70.ER20	40	1 ÷ 13	35	70
RK.BTB.40.100.ER20	40	1 ÷ 13	35	100
RK.BTB.40.160.ER20	40	1 ÷ 13	35	160
RK.BTB.40.70.ER25	40	1 ÷ 16	42	70
RK.BTB.40.100.ER25	40	1 ÷ 16	42	100
RK.BTB.40.130.ER25	40	1 ÷ 16	42	130
RK.BTB.40.160.ER25	40	1 ÷ 16	42	160
RK.BTB.40.200.ER25	40	1 ÷ 16	42	200
RK.BTB.40.70.ER32	40	2 ÷ 20	50	70
RK.BTB.40.100.ER32	40	2 ÷ 20	50	100
RK.BTB.40.130.ER32	40	2 ÷ 20	50	130
RK.BTB.40.150.ER32	40	2 ÷ 20	50	150
RK.BTB.40.200.ER32	40	2 ÷ 20	50	200
RK.BTB.40.70.ER40	40	3 ÷ 26	63	70
RK.BTB.40.100.ER40	40	3 ÷ 26	63	100
RK.BTB.40.130.ER40	40	3 ÷ 26	63	130
RK.BTB.40.150.ER40	40	3 ÷ 26	63	150
RK.BTB.40.200.ER40	40	3 ÷ 26	63	200
RK.BTB.40.85.ER50	40	6 ÷ 34	78	85

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.50.100.ER16	50	2 ÷ 20	32	100
RK.BTB.50.160.ER16	50	2 ÷ 20	32	160
RK.BTB.50.200.ER16	50	2 ÷ 20	32	200
RK.BTB.50.100.ER20	50	1 ÷ 13	35	100
RK.BTB.50.160.ER20	50	1 ÷ 13	35	160
RK.BTB.50.80.ER25	50	1 ÷ 16	42	80
RK.BTB.50.100.ER25	50	1 ÷ 16	42	100
RK.BTB.50.130.ER25	50	1 ÷ 16	42	130
RK.BTB.50.160.ER25	50	1 ÷ 16	42	160
RK.BTB.50.200.ER25	50	1 ÷ 16	42	200
RK.BTB.50.80.ER32	50	2 ÷ 20	50	80
RK.BTB.50.100.ER32	50	2 ÷ 20	50	100
RK.BTB.50.120.ER32	50	2 ÷ 20	50	120
RK.BTB.50.160.ER32	50	2 ÷ 20	50	160
RK.BTB.50.200.ER32	50	2 ÷ 20	50	200
RK.BTB.50.250.ER32	50	2 ÷ 20	50	250
RK.BTB.50.80.ER40	50	3 ÷ 30	63	80
RK.BTB.50.100.ER40	50	3 ÷ 30	63	100
RK.BTB.50.130.ER40	50	3 ÷ 30	63	130
RK.BTB.50.160.ER40	50	3 ÷ 30	63	160
RK.BTB.50.200.ER40	50	3 ÷ 30	63	200
RK.BTB.50.300.ER40	50	3 ÷ 30	63	300
RK.BTB.50.100.ER50	50	6 ÷ 34	78	100
RK.BTB.50.120.ER50	50	6 ÷ 34	78	120
RK.BTB.50.160.ER50	50	6 ÷ 34	78	160



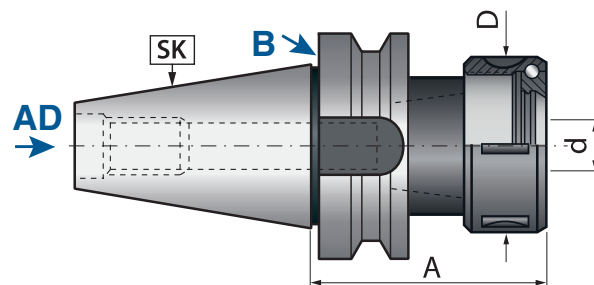
MAS 403 - BT - SK 40/50

AT2 | G6,3 / 15000 | AD+B

FRÄSPANNFUTTER FÜR EOC SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE EOC

COLLET CHUCK FOR EOC COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT.40.70.EOC16	40	2 ÷ 16	43	70
RK.BT.40.70.EOC25	40	2 ÷ 25	60	70
RK.BT.40.90.EOC32	40	4 ÷ 32	72	90

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT.50.85.EOC25	50	2 ÷ 25	60	85
RK.BT.50.90.EOC32	50	4 ÷ 32	72	90

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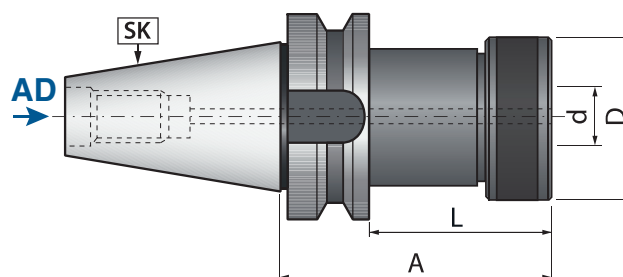
MAS 403 - BT - SK 40/50

AT2 | G2,5 / 25000 | AD

SPANNFUTTER FÜR SKS SPANNZANGE

MANDRINI PORTAPINZA PER PINZE SKS

COLLET CHUCK FOR SKS COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	L	A	D
RK.BT.40.90.SKS10	40	2 ÷ 10	45	90	30
RK.BT.40.120.SKS10	40	2 ÷ 10	74	120	30
RK.BT.40.90.SKS20	40	3 ÷ 20	60	90	48.5
RK.BT.40.120.SKS20	40	3 ÷ 20	88	120	48.5

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	L	A	D
RK.BT.50.105.SKS10	50	2 ÷ 10	57	105	30
RK.BT.50.165.SKS10	50	2 ÷ 10	108	165	30
RK.BT.50.105.SKS20	50	3 ÷ 20	62	105	48.5
RK.BT.50.165.SKS20	50	3 ÷ 20	122	105	48.5



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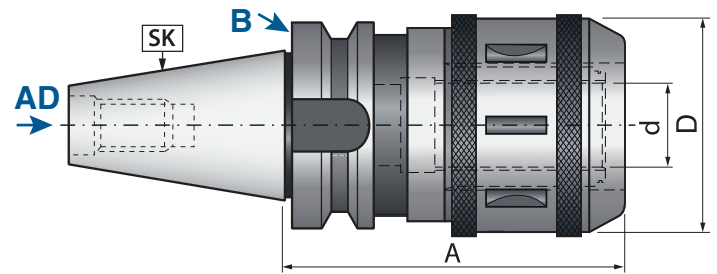
AT2

G6,3 / 15000

AD+B

HOCHLEISTUNGSFUTTER**MANDRINI FORTE SERRAGGIO****HIGH POWER CHUCKS**

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.40.80.FP20	40	4SR20-Ø3 AL Ø18	46	80
RK.BTB.40.85.FP32	40	4SR32-Ø6 AL Ø25	62	85



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BTB.50.100.FP20	50	4SR20-Ø3 AL Ø18	46	100
RK.BTB.50.100.FP32	50	4SR32-Ø6 AL Ø25	62	100



MAS 403 - BT - SK 40/50

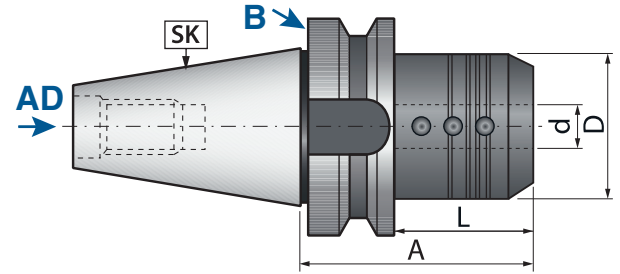
AT2

G6,3 / 15000

AD+B

HYDRODEHNSPANNFUTTER**MANDRINI AD ESPANSIONE IDRAULICI****HYDRAULIC EXPANSION CHUCKS**

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A	L
RK.BTB.40.90.HY12	40	90	63	32	12
RK.BTB.40.90.HY20	40	90	63	42	20
RK.BTB.40.90.HY25	40	90	63	50	25
RK.BTB.40.110.HY32	40	110	81.5	60	32



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A	L
RK.BTB.50.110.HY12	50	110	72	32	12
RK.BTB.50.110.HY20	50	110	72	42	20
RK.BTB.50.110.HY25	50	110	72	50	25
RK.BTB.50.110.HY32	50	110	72	60	32



MAS 403 - BT - SK 40/50

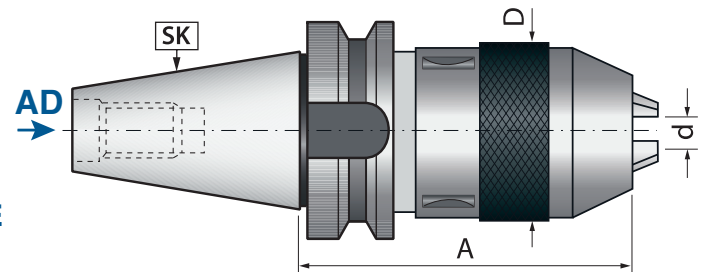
AT2

G6,3 / 12000

AD

BOHRFUTTER MIT HAKENKLAPPE**PORTA PUNTE AUTOSERRANTI CON CHIAVE A SETTORE****DRILL CHUCKS WITH HOOK WRENCH**

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT.40.85.DCK8	40	1 ÷ 8 mm	37	85
RK.BT.40.98.DCK13	40	1 ÷ 13 mm	50	98
RK.BT.40.105.DCK16	40	3 ÷ 16 mm	58	105



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT.50.105.DCK13	50	1 ÷ 13 mm	50	105
RK.BT.50.115.DCK16	50	3 ÷ 16 mm	58	115



MAS 403 - BT - SK 40/50

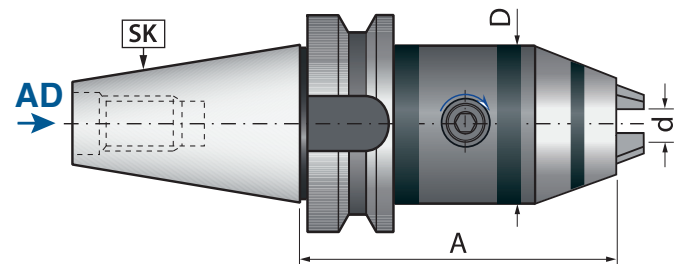
AT2

G6,3 / 12000

AD

BOHRFUTTER MIT HEXAGONALER SCHLÜSSEL**PORTA PUNTE AUTOSERRANTI CON CHIAVE ESAGONALE****DRILL CHUCKS WITH HEXAGONAL KEY LOCK**

BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT.40.98.HD13	40	1 ÷ 13 mm	98	50
RK.BT.40.103.HD16	40	3 ÷ 16 mm	103	58



BESTELL.-NR. ARTICOLO ORDER NR.	SK	d	D	A
RK.BT50.109.HD13	50	1 ÷ 13 mm	109	50
RK.BT50.114.HD16	50	3 ÷ 16 mm	114	58



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AT2

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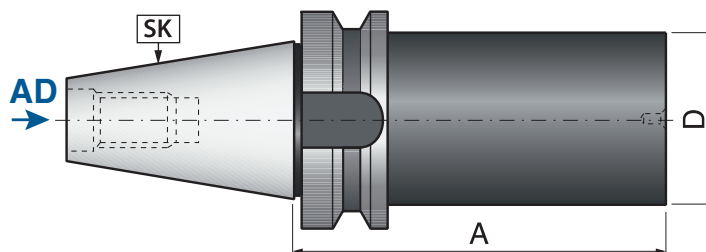
AD

ROHLINGE

MANDRINI A STELLO TENERO LAVORABILE

BLANK ADAPTORS

BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.BT.40.250.D40BL	40	40	250
RK.BT.40.250.D63BL	40	63	250



BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.BT.50.315.D97BL	40	97	315

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- BT



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AT2

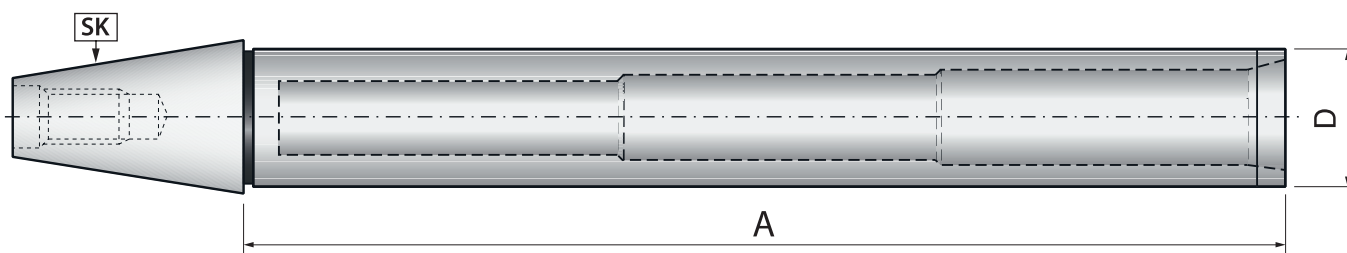
CERTIFICATE

AD

KONTROL DORNE

SPINE DI CONTROLLO

CONTROL BAR



BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.BT.40.300.D40	40	40	300

BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.BT.50.300.D50	50	50	300

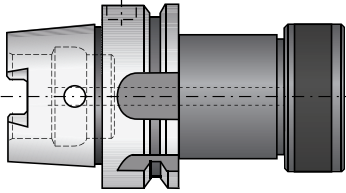
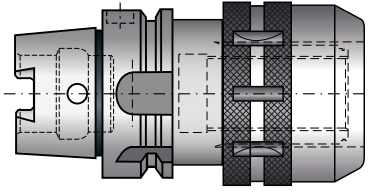
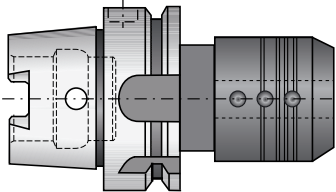
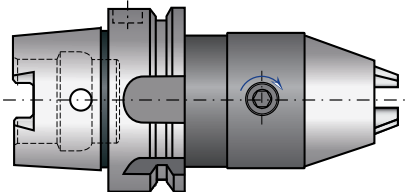
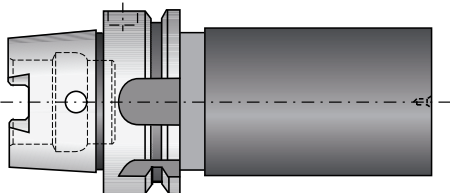
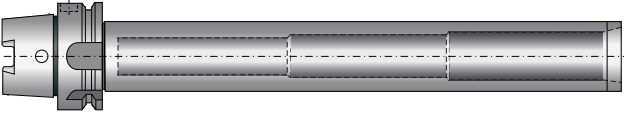


RK-

<p>QUERNUT-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE FISSI SHELL MILL ADAPTORS</p>		<p>12-5</p>
<p>KOMBI-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE COMBINATI COMBINATION SHELL MILL ADAPTORS</p>		<p>12-6</p>
<p>ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS</p>		<p>12-7</p>
<p>WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS</p>		<p>12-8</p>
<p>SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD</p>		<p>12-10 12-11</p>
<p>SCHRUMPFHALTER SCHLANKE TYP MANDRINI CALETTAMENTO TIPO SLIM SHRINK FIT HOLDERS SLIM TYPE</p>		<p>12-9</p>
<p>FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		<p>12-12 12-13</p>



RK-

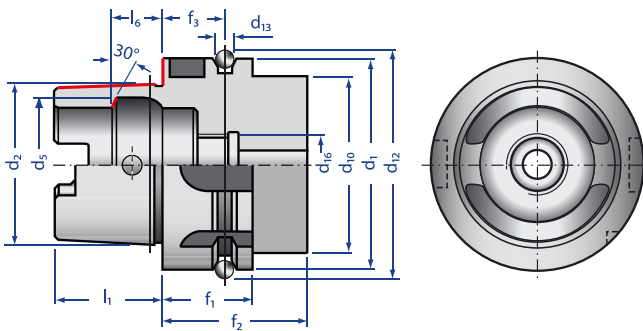
<p>FRÄSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZA PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS</p>		<p>12-14</p>
<p>FRÄSPANNFUTTER FÜR SKS SPANNZANGEN MANDRINI PORTAPINZA PER PINZE SKS COLLET CHUCKS FOR SKS COLLETS</p>		<p>12-14</p>
<p>HOCHLEISTUNGSTUTTER MANDRINI A FORTE SERRAGGIO HIGH POWER CHUCKS</p>		<p>12-14</p>
<p>HYDRODEHNSPANNFUTTER MANDRINI IDRAULICI HYDRAULIC EXPANSION CHUCKS</p>		<p>12-15</p>
<p>PRÄZISIONS SPANNFUTTER MIT SCHLÜSSEL MANDRINI PORTAPUNTE CON CHIAVE PRECISION DRILL CHUCKS WITH KEY</p>		<p>12-15</p>
<p>ROHLINGE STELO TENERO LAVORABILE BLANK ADAPTORS</p>		<p>12-16</p>
<p>KONTROL DORNE SPINE DI CONTROLLO CONTROL BAR</p>		<p>12-16</p>

HSK DIN
69893

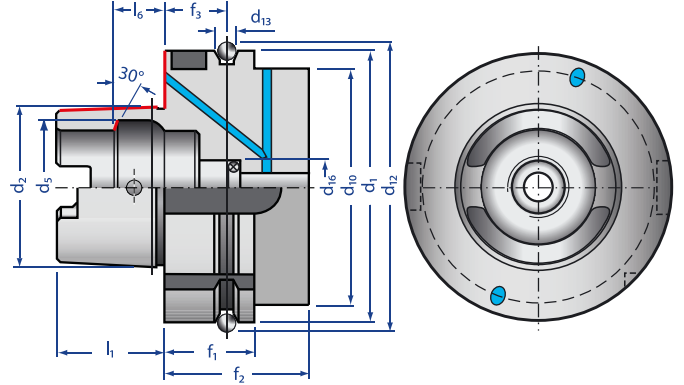


HSK DIN 69893

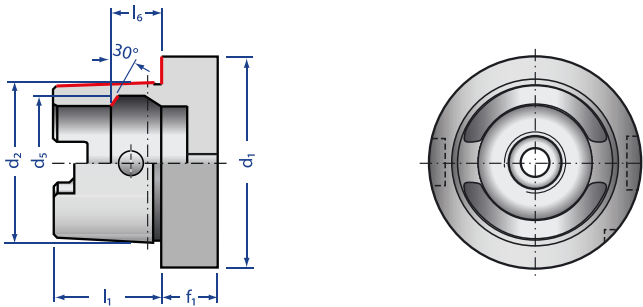
FORME - FORMA - FORM : A



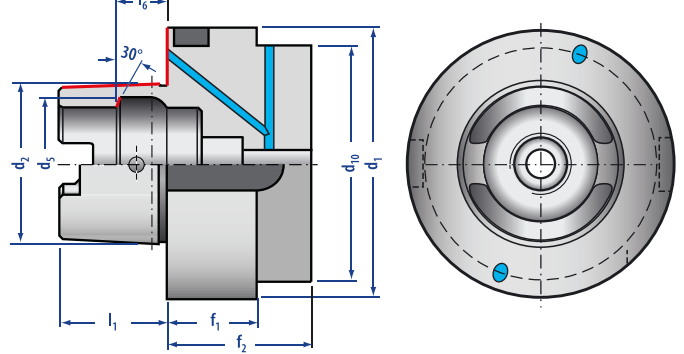
FORME - FORMA - FORM : B



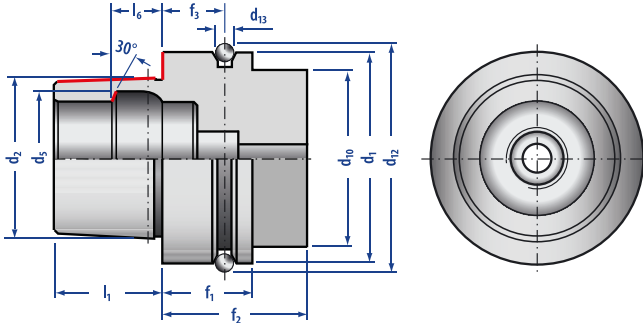
FORME - FORMA - FORM : C



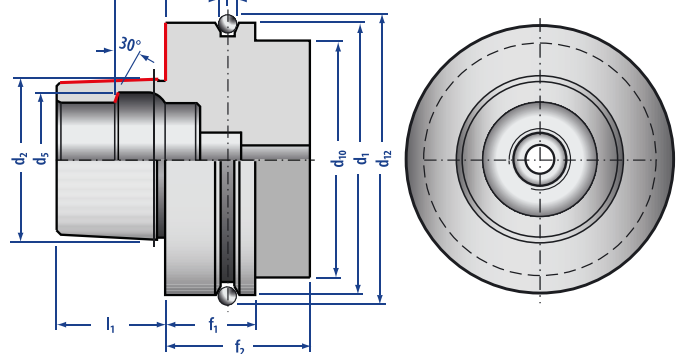
FORME - FORMA - FORM : D



FORME - FORMA - FORM : E



FORME - FORMA - FORM : F



HSK A/C/E	d ₁ h10	d ₂	Limit	d ₅ H11	d ₁₀ max	d ₁₂ 0/-0,1	d ₁₃	d ₁₆	f ₁ -0,1	f ₂ min.	f ₃ ±0,1	l ₁ 0/-0,2	l ₆ js10
32	32	24	+0,007/+0,005	21	26	37	4	M 10x1	20	35	16	16	8,92
40	40	30	+0,007/+0,005	25,5	34	45	4	M 12x1	20	35	16	20	11,42
50	50	38	+0,009/+0,006	32	42	59,3	7	M 16x1	26	42	18	25	14,13
63	63	48	+0,011/+0,007	40	53	72,3	7	M 18x1	26	42	18	32	18,13
80	80	60	+0,013/+0,008	50	67	88,8	7	M 20x1,5	26	42	18	40	22,85
100	100	75	+0,015/+0,009	63	85	109,75	7	M 20x1,5	29	45	20	50	28,56

HSK B/D/F	d ₁ h10	d ₂	Limit	d ₅ H11	d ₁₀ max	d ₁₂ 0/-0,1	d ₁₃		f ₁ -0,1	f ₂ min.	f ₃ ±0,1	l ₁ 0/-0,2	l ₆ js10
40	40	24	+0,007/+0,005	21	34	45	4		20	35	16	16	8,92
50	50	30	+0,007/+0,005	25,5	42	59,3	7		26	42	18	20	11,42
63	63	38	+0,009/+0,006	32	53	72,3	7		26	42	18	25	14,13
80	80	48	+0,011/+0,007	40	67	88,8	7		26	42	18	32	18,13
100	100	60	+0,013/+0,008	50	85	109,75	7		29	45	20	40	22,85
125	125	75	+0,015/+0,009	63	105	134,75	7		29	45	20	50	28,56



HSK - DIN 69893 - A

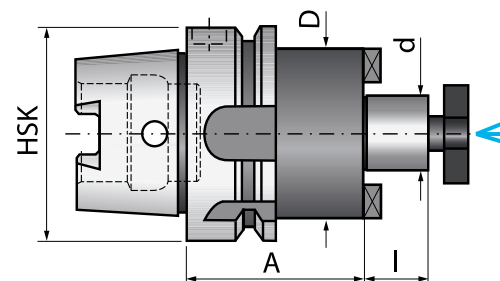
AT2

G6,3 / 18000

QUERNUT-AUFSTECHEFRÄSDORN

MANDRINI PORTAFRESE FISSI

SHELL MILL HOLDERS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.A.50.50.D16S	50	16	50	17	38
RK.HSK.A.50.60.D22S	50	22	60	19	48
RK.HSK.A.50.60.D27S	50	27	60	21	58
RK.HSK.A.50.60.D32S	50	32	60	24	78

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.A.63.50.D16S	63	16	50	17	38
RK.HSK.A.63.100.D16S	63	16	100	17	38
RK.HSK.A.63.160.D16S	63	16	160	17	38
RK.HSK.A.63.50.D22S	63	22	50	19	48
RK.HSK.A.63.100.D22S	63	22	100	19	48
RK.HSK.A.63.160.D22S	63	22	160	19	48
RK.HSK.A.63.60.D27S	63	27	60	21	58
RK.HSK.A.63.100.D27S	63	27	100	21	58
RK.HSK.A.63.160.D27S	63	27	160	21	58
RK.HSK.A.63.60.D32S	63	32	60	24	78
RK.HSK.A.63.100.D32S	63	32	100	24	78
RK.HSK.A.63.60.D40S	63	40	60	27	88

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.SHSK.A.80.50.D22S	80	22	50	19	48
RK.SHSK.A.80.50.D27S	80	27	50	21	58
RK.SHSK.A.80.60.D32S	80	32	60	24	78
RK.SHSK.A.80.60.D40S	80	40	60	27	88

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.A.100.50.D16S	100	16	50	17	38
RK.HSK.A.100.100.D16S	100	16	100	17	38
RK.HSK.A.100.160.D16S	100	16	160	17	38
RK.HSK.A.100.55.D22S	100	22	50	19	48
RK.HSK.A.100.100.D22S	100	22	100	19	48
RK.HSK.A.100.160.D22S	100	22	160	19	48
RK.HSK.A.100.50.D27S	100	27	50	21	58
RK.HSK.A.100.100.D27S	100	27	100	21	58
RK.HSK.A.100.160.D27S	100	27	160	21	58
RK.HSK.A.100.50.D32S	100	32	50	24	66
RK.HSK.A.100.100.D32S	100	32	100	24	66
RK.HSK.A.100.160.D32S	100	32	160	24	66
RK.HSK.A.100.60.D40S	100	40	60	27	80
RK.HSK.A.100.100.D40S	100	40	100	27	80
RK.HSK.A.100.160.D40S	100	40	160	27	80

HSK DIN
69893

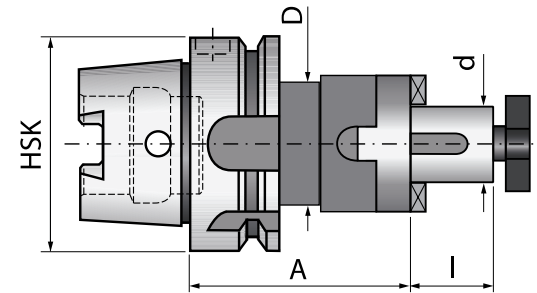


HSK - DIN 69893 - A

AT2

G6,3 / 18000

KOMBI-AUFSTECKFRÄSDORNE MANDRINI PORTAFRESE COMBINATI COMBI SHELL MILL HOLDER



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
RK.HSK.A.32.55.D16C	32	16	55	17	32
RK.HSK.A.32.55.D22C	32	22	55	19	40
RK.HSK.A.32.65.D27C	32	27	65	21	48

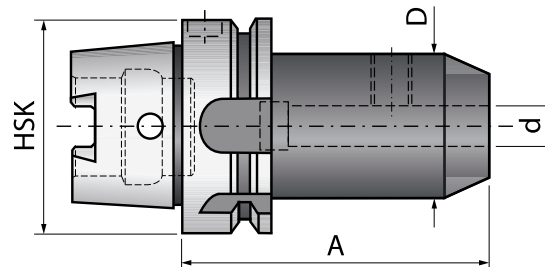
BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
RK.HSK.A.40.50.D16C	40	16	50	17	22
RK.HSK.A.40.50.D22C	40	22	50	19	40
RK.HSK.A.40.65.D27C	40	27	65	21	48

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
HSK.A.50.50.D16C	50	16	50	17	32
HSK.A.50.50.D22C	50	22	50	19	40
HSK.A.50.65.D27C	50	27	65	21	48
HSK.A.50.65.D32C	50	32	65	24	58

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
RK.HSK.A.63.60.D16C	63	16	60	17	32
RK.HSK.A.63.100.D16C	63	16	100	17	32
RK.HSK.A.63.160.D16C	63	16	160	17	32
RK.HSK.A.63.60.D22C	63	22	60	19	40
RK.HSK.A.63.100.D22C	63	22	100	19	40
RK.HSK.A.63.160.D22C	63	22	160	19	40
RK.HSK.A.63.60.D27C	63	27	60	21	48
RK.HSK.A.63.100.D27C	63	27	100	21	48
RK.HSK.A.63.160.D27C	63	27	160	21	48
RK.HSK.A.63.60.D32C	63	32	60	24	58
RK.HSK.A.63.100.D32C	63	32	100	24	58
RK.HSK.A.63.160.D32C	63	32	160	24	58
RK.HSK.A.63.70.D40C	63	40	70	27	70
RK.HSK.A.63.100.D40C	63	40	100	27	70
RK.HSK.A.63.160.D40C	63	40	160	27	70

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
RK.HSK.A.80.60.D16C	80	16	60	17	32
RK.HSK.A.80.60.D22C	80	22	60	19	40
RK.HSK.A.80.60.D27C	80	27	60	21	48
RK.HSK.A.80.60.D32C	80	32	60	24	58
RK.HSK.A.80.70.D40C	80	40	70	27	70

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	I	A
RK.HSK.A.100.60.D16C	100	16	60	17	32
RK.HSK.A.100.60.D22C	100	22	60	19	40
RK.HSK.A.100.60.D27C	100	27	60	21	48
RK.HSK.A.100.60.D32C	100	32	60	24	58
RK.HSK.A.100.70.D40C	100	40	70	27	70

ZWISCHENHÜLSEN FÜR WELDON FRÄSER
MANDRINI PER FRESE WELDON
WELDON END MILLS HOLDERS


BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.32.60.WE6	32	6	60	25
RK.HSK.A.32.60.WE8	32	8	60	28
RK.HSK.A.32.65.WE10	32	10	65	35
RK.HSK.A.32.65.WE12	32	12	65	42

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.40.60.WE6	40	6	60	25
RK.HSK.A.40.60.WE8	40	8	60	28
RK.HSK.A.40.60.WE10	40	10	60	35
RK.HSK.A.40.70.WE12	40	12	70	42
RK.HSK.A.40.75.WE16	40	16	75	48

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.50.65.WE6	50	6	65	25
RK.HSK.A.50.65.WE8	50	8	65	28
RK.HSK.A.50.65.WE10	50	10	65	35
RK.HSK.A.50.80.WE12	50	12	80	42
RK.HSK.A.50.80.WE14	50	14	80	44
RK.HSK.A.50.80.WE16	50	16	80	48
RK.HSK.A.50.80.WE18	50	18	80	50
RK.HSK.A.50.80.WE20	50	20	80	52

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.63.65.WE6	63	6	65	25
RK.HSK.A.63.100.WE6	63	6	100	25
RK.HSK.A.63.160.WE6	63	6	160	25
RK.HSK.A.63.65.WE8	63	8	65	28
RK.HSK.A.63.100.WE8	63	8	100	28
RK.HSK.A.63.160.WE8	63	8	160	28
RK.HSK.A.63.65.WE10	63	10	65	35
RK.HSK.A.63.100.WE10	63	10	100	35
RK.HSK.A.63.160.WE10	63	10	160	35
RK.HSK.A.63.80.WE12	63	12	80	42
RK.HSK.A.63.100.WE12	63	12	100	42
RK.HSK.A.63.160.WE12	63	12	160	42
RK.HSK.A.63.80.WE14	63	14	80	44
RK.HSK.A.63.100.WE14	63	14	100	44
RK.HSK.A.63.160.WE14	63	14	160	44
RK.HSK.A.63.80.WE16	63	16	80	48
RK.HSK.A.63.100.WE16	63	16	100	48
RK.HSK.A.63.160.WE16	63	16	160	48
RK.HSK.A.63.80.WE18	63	18	80	48
RK.HSK.A.63.100.WE18	63	18	100	48
RK.HSK.A.63.160.WE18	63	18	160	48
RK.HSK.A.63.80.WE20	63	20	80	52
RK.HSK.A.63.100.WE20	63	20	100	52
RK.HSK.A.63.160.WE20	63	20	160	52
RK.HSK.A.63.110.WE25	63	25	110	65
RK.HSK.A.63.160.WE25	63	25	160	65
RK.HSK.A.63.110.WE32	63	32	110	72
RK.HSK.A.63.160.WE32	63	32	160	72

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.80.80.WE6	80	6	80	25
RK.HSK.A.80.80.WE8	80	8	80	28
RK.HSK.A.80.80.WE10	80	10	80	35
RK.HSK.A.80.80.WE12	80	12	80	42
RK.HSK.A.80.80.WE14	80	14	80	44
RK.HSK.A.80.100.WE16	80	16	100	48
RK.HSK.A.80.100.WE18	80	18	100	50
RK.HSK.A.80.100.WE20	80	20	100	52
RK.HSK.A.80.100.WE25	80	25	100	65
RK.HSK.A.80.110.WE32	80	32	110	72

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.100.80.WE6	100	6	80	25
RK.HSK.A.100.80.WE8	100	8	80	28
RK.HSK.A.100.80.WE10	100	10	80	35
RK.HSK.A.100.100.WE12	100	12	100	42
RK.HSK.A.100.100.WE14	100	14	100	44
RK.HSK.A.100.100.WE16	100	16	100	48
RK.HSK.A.100.100.WE18	100	18	100	50
RK.HSK.A.100.100.WE20	100	20	100	52
RK.HSK.A.100.100.WE25	100	25	100	65
RK.HSK.A.100.100.WE32	100	32	100	72
RK.HSK.A.100.105.WE40	100	40	100	80



HSK - DIN 69893 - A

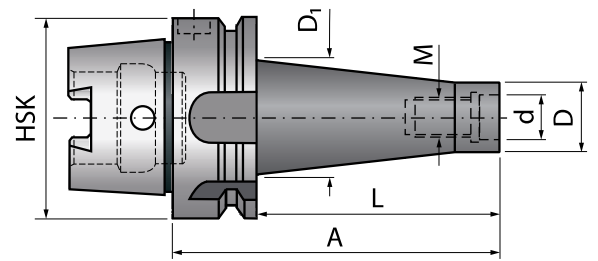
AT2

G2,5 / 25000

WERKZEUGHALTER FÜR SCHRAUBFRÄSER

MANDRINI PER FRESE FILETTATE

TOOLHOLDERS FOR SCREWED MILLING CUTTERS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	M	A	d	D	D ₁	L
RK.HSK.A.50.59.M6CPY	50	M6	59	6,5	9,7	13	33
RK.HSK.A.50.84.M6CPY	50	M6	84	6,5	9,7	20	58
RK.HSK.A.50.109.M6CPY	50	M6	109	6,5	9,7	23	83
RK.HSK.A.50.59.M8CPY	50	M8	59	8,5	13	15	33
RK.HSK.A.50.84.M8CPY	50	M8	84	8,5	13	23	58
RK.HSK.A.50.109.M8CPY	50	M8	109	8,5	13	23	83
RK.HSK.A.50.134.M8CPY	50	M8	134	8,5	13	25	108
RK.HSK.A.50.59.M10CPY	50	M10	59	10,5	18	20	33
RK.HSK.A.50.84.M10CPY	50	M10	84	10,5	18	25	58
RK.HSK.A.50.109.M10CPY	50	M10	109	10,5	18	28	83
RK.HSK.A.50.134.M10CPY	50	M10	134	10,5	18	30	108
RK.HSK.A.50.59.M12CPY	50	M12	59	12,5	21	24	33
RK.HSK.A.50.84.M12CPY	50	M12	84	12,5	21	24	58
RK.HSK.A.50.109.M12CPY	50	M12	109	12,5	21	31	83
RK.HSK.A.50.134.M12CPY	50	M12	134	12,5	21	31	108

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	M	A	d	D	D ₁	L
RK.HSK.A.80.84.M6CPY	80	M6	84	6,5	9,7	20	58
RK.HSK.A.80.109.M6CPY	80	M6	109	6,5	9,7	23	83
RK.HSK.A.80.84.M8CPY	80	M8	84	8,5	13	23	58
RK.HSK.A.80.109.M8CPY	80	M8	109	8,5	13	23	83
RK.HSK.A.80.134.M8CPY	80	M8	134	8,5	13	25	108
RK.HSK.A.80.84.M10CPY	80	M10	84	10,5	18	25	58
RK.HSK.A.80.109.M10CPY	80	M10	109	10,5	18	28	83
RK.HSK.A.80.134.M10CPY	80	M10	134	10,5	18	30	108
RK.HSK.A.80.84.M12CPY	80	M12	84	12,5	21	24	58
RK.HSK.A.80.109.M12CPY	80	M12	109	12,5	21	31	83
RK.HSK.A.80.134.M12CPY	80	M12	134	12,5	21	31	108
RK.HSK.A.80.84.M16CPY	80	M16	84	17	29	34	58
RK.HSK.A.80.109.M16CPY	80	M16	109	17	29	34	83
RK.HSK.A.80.134.M16CPY	80	M16	134	17	29	39	108
RK.HSK.A.80.159.M16CPY	80	M16	159	17	29	55	133
RK.HSK.A.80.184.M16CPY	80	M16	184	17	29	55	158

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	M	A	d	D	D ₁	L
RK.HSK.A.63.59.M8CPY	63	M8	59	8,5	13	15	33
RK.HSK.A.63.84.M8CPY	63	M8	84	8,5	13	23	58
RK.HSK.A.63.109.M8CPY	63	M8	109	8,5	13	23	83
RK.HSK.A.63.134.M8CPY	63	M8	134	8,5	13	25	108
RK.HSK.A.63.59.M10CPY	63	M10	59	10,5	18	19,5	33
RK.HSK.A.63.84.M10CPY	63	M10	84	10,5	18	25	58
RK.HSK.A.63.109.M10CPY	63	M10	109	10,5	18	28	83
RK.HSK.A.63.134.M10CPY	63	M10	134	10,5	18	28	108
RK.HSK.A.63.159.M10CPY	63	M10	159	10,5	18	34	133
RK.HSK.A.63.176.M10CPY	63	M10	176	10,5	18	36,5	150
RK.HSK.A.63.59.M12CPY	63	M12	59	12,5	21	24	33
RK.HSK.A.63.84.M12CPY	63	M12	84	12,5	21	24	58
RK.HSK.A.63.109.M12CPY	63	M12	109	12,5	21	31	83
RK.HSK.A.63.134.M12CPY	63	M12	134	12,5	21	31	108
RK.HSK.A.63.159.M12CPY	63	M12	159	12,5	21	31	133
RK.HSK.A.63.176.M12CPY	63	M12	176	12,5	21	40	150
RK.HSK.A.63.59.M16CPY	63	M16	59	17	29	34	33
RK.HSK.A.63.84.M16CPY	63	M16	84	17	29	34	58
RK.HSK.A.63.109.M16CPY	63	M16	109	17	29	34	83
RK.HSK.A.63.134.M16CPY	63	M16	134	17	29	39	108
RK.HSK.A.63.159.M16CPY	63	M16	159	17	29	39	133
RK.HSK.A.63.176.M16CPY	63	M16	176	17	29	42,5	150

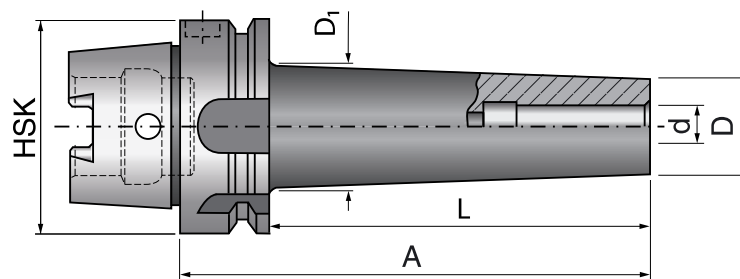
BESTELL.-NR. ARTICOLO ORDER NR.	HSK	M	A	d	D	D ₁	L
RK.HSK.A.100.79.M8CPY	100	M8	79	8,5	13	23	50
RK.HSK.A.100.79.M10CPY	100	M10	79	10,5	18	23	50
RK.HSK.A.100.129.M10CPY	100	M10	129	10,5	18	32	100
RK.HSK.A.100.179.M10CPY	100	M10	179	10,5	18	36,5	150
RK.HSK.A.100.79.M12CPY	100	M12	79	12,5	21	24	50
RK.HSK.A.100.87.M12CPY	100	M12	87	12,5	21	24	58
RK.HSK.A.100.129.M12CPY	100	M12	129	12,5	21	33	100
RK.HSK.A.100.137.M12CPY	100	M12	137	12,5	21	47	108
RK.HSK.A.100.179.M12CPY	100	M12	179	12,5	21	40	150
RK.HSK.A.100.187.M12CPY	100	M12	187	12,5	21	55	158
RK.HSK.A.100.79.M16CPY	100	M16	79	17	29	34	50
RK.HSK.A.100.87.M16CPY	100	M16	87	17	29	31,5	58
RK.HSK.A.100.129.M16CPY	100	M16	129	17	29	36	100
RK.HSK.A.100.137.M16CPY	100	M16	137	17	29	47	108
RK.HSK.A.100.179.M16CPY	100	M16	179	17	29	42,5	150
RK.HSK.A.100.187.M16CPY	100	M16	187	17	29	55	158
RK.HSK.A.100.208.M16CPY	100	M16	208	17	29	55	179

**HSK - DIN 69893 - A**

AT2

G2,5 / 25000

SCHRUMPFALTER SCHLANKE TYP
MANDRINI CALETTAMENTO TIPO SLIM
SHRINK FIT HOLDERS SLIM TYPE



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.63.80.CL3.SL	63	3	80	9	13	54
RK.HSK.A.63.120.CL3.SL	63	3	120	9	16	94
RK.HSK.A.63.80.CL4.SL	63	4	80	10	15	54
RK.HSK.A.63.120.CL4.SL	63	4	120	10	20	94
RK.HSK.A.63.80.CL5.SL	63	5	80	11	16	54
RK.HSK.A.63.120.CL5.SL	63	5	120	11	16	94
RK.HSK.A.63.90.CL6.SL	63	6	90	12	17	64
RK.HSK.A.63.130.CL6.SL	63	6	130	12	19	104
RK.HSK.A.63.160.CL6.SL	63	6	160	12	19	134
RK.HSK.A.63.90.CL8.SL	63	8	90	14	19	64
RK.HSK.A.63.130.CL8.SL	63	8	130	14	21	104
RK.HSK.A.63.160.CL8.SL	63	8	160	14	21	134
RK.HSK.A.63.90.CL10.SL	63	10	90	16	21	64
RK.HSK.A.63.130.CL10.SL	63	10	130	16	23	104
RK.HSK.A.63.160.CL10.SL	63	10	160	16	23	134
RK.HSK.A.63.90.CL12.SL	63	12	90	18	23	64
RK.HSK.A.63.130.CL12.SL	63	12	130	18	25	104
RK.HSK.A.63.160.CL12.SL	63	12	160	18	25	134
RK.HSK.A.63.90.CL14.SL	63	14	90	18	23	64
RK.HSK.A.63.130.CL14.SL	63	14	130	18	25	104
RK.HSK.A.63.160.CL14.SL	63	14	160	18	25	134
RK.HSK.A.63.90.CL16.SL	63	16	90	24	29	64
RK.HSK.A.63.130.CL16.SL	63	16	130	24	31	104
RK.HSK.A.63.160.CL16.SL	63	16	160	24	31	134
RK.HSK.A.63.95.CL18.SL	63	18	95	24	29	69
RK.HSK.A.63.130.CL18.SL	63	18	130	24	31	104
RK.HSK.A.63.160.CL18.SL	63	18	160	24	31	134
RK.HSK.A.63.100.CL20.SL	63	20	100	32	39	74
RK.HSK.A.63.130.CL20.SL	63	20	130	32	39	104
RK.HSK.A.63.160.CL20.SL	63	20	160	32	39	134

HSK DIN
69893



HSK - DIN 69893 - A

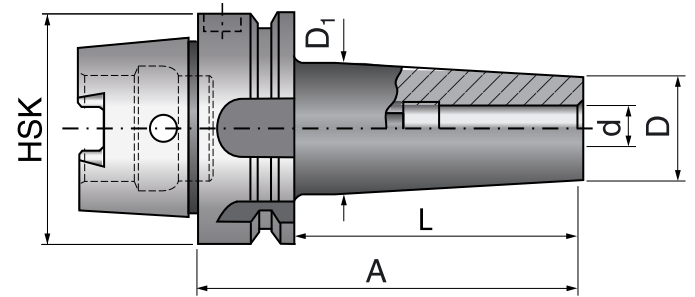
AT2

G2,5 / 25000

SCHRUMPFALTER STANDARD

MANDRINI CALETTAMENTO STANDARD

SHRINK FIT HOLDERS STANDARD



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.E.32.60.CL3	32	3	60	10	16	
RK.HSK.E.32.60.CL4	32	4	60	10	16	
RK.HSK.E.32.60.CL5	32	5	60	10	16	
RK.HSK.E.32.70.CL6	32	6	70	20	25	
RK.HSK.E.32.70.CL8	32	8	70	20	25	
RK.HSK.E.32.70.CL10	32	10	70	24	29	
RK.HSK.E.32.80.CL12	32	12	80	24	29	
RK.HSK.E.32.90.CL14	32	14	90	27	34	
RK.HSK.E.32.90.CL16	32	16	90	27	34	
RK.HSK.E.32.100.CL20	32	20	100	33	40	

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.50.80.CL3	50	3	80	10	15	54
RK.HSK.A.50.120.CL3	50	3	120	10	20	94
RK.HSK.A.50.160.CL3	50	3	160	10	20	134
RK.HSK.A.50.80.CL4	50	4	80	15	22	54
RK.HSK.A.50.120.CL4	50	4	120	15	22	94
RK.HSK.A.50.160.CL4	50	4	160	15	22	134
RK.HSK.A.50.80.CL5	50	5	80	15	22	54
RK.HSK.A.50.120.CL5	50	5	120	15	22	94
RK.HSK.A.50.160.CL5	50	5	160	15	22	134
RK.HSK.A.50.80.CL6	50	6	80	20	27	54
RK.HSK.A.50.120.CL6	50	6	120	20	27	94
RK.HSK.A.50.160.CL6	50	6	160	20	27	134
RK.HSK.A.50.80.CL8	50	8	80	20	27	54
RK.HSK.A.50.120.CL8	50	8	120	20	27	94
RK.HSK.A.50.160.CL8	50	8	160	20	27	134
RK.HSK.A.50.85.CL10	50	10	85	24	31	59
RK.HSK.A.50.120.CL10	50	10	120	24	31	94
RK.HSK.A.50.160.CL10	50	10	160	24	31	134
RK.HSK.A.50.90.CL12	50	12	90	24	31	64
RK.HSK.A.50.120.CL12	50	12	120	24	31	94
RK.HSK.A.50.160.CL12	50	12	160	24	31	134
RK.HSK.A.50.90.CL14	50	14	90	27	34	64
RK.HSK.A.50.120.CL14	50	14	120	27	34	94
RK.HSK.A.50.160.CL14	50	14	160	27	34	134
RK.HSK.A.50.95.CL16	50	16	95	27	34	69
RK.HSK.A.50.120.CL16	50	16	120	27	34	94
RK.HSK.A.50.160.CL16	50	16	160	27	34	134
RK.HSK.A.50.95.CL18	50	18	95	33	40	69
RK.HSK.A.50.120.CL18	50	18	120	33	40	94
RK.HSK.A.50.160.CL18	50	18	160	33	40	134
RK.HSK.A.50.100.CL20	50	20	100	33	40	74
RK.HSK.A.50.120.CL20	50	20	120	33	40	94
RK.HSK.A.50.160.CL20	50	20	160	33	40	134

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.40.60.CL3	40	3	60	10	16	40
RK.HSK.A.40.120.CL3	40	3	120	10	20	100
RK.HSK.A.40.160.CL3	40	3	160	10	20	140
RK.HSK.A.40.60.CL4	40	4	60	10	16	40
RK.HSK.A.40.120.CL4	40	4	120	15	22	100
RK.HSK.A.40.160.CL4	40	4	160	15	22	140
RK.HSK.A.40.60.CL5	40	5	60	10	16	40
RK.HSK.A.40.120.CL5	40	5	120	15	22	100
RK.HSK.A.40.160.CL5	40	5	160	15	22	140
RK.HSK.A.40.80.CL6	40	6	80	20	27	60
RK.HSK.A.40.120.CL6	40	6	120	20	27	100
RK.HSK.A.40.160.CL6	40	6	160	20	27	140
RK.HSK.A.40.80.CL8	40	8	80	20	27	60
RK.HSK.A.40.120.CL8	40	8	120	20	27	100
RK.HSK.A.40.160.CL8	40	8	160	20	27	140
RK.HSK.A.40.80.CL10	40	10	80	24	31	60
RK.HSK.A.40.120.CL10	40	10	120	24	31	100
RK.HSK.A.40.160.CL10	40	10	160	24	31	140
RK.HSK.A.40.90.CL12	40	12	90	24	31	70
RK.HSK.A.40.120.CL12	40	12	120	24	31	100
RK.HSK.A.40.160.CL12	40	12	160	24	31	140
RK.HSK.A.40.90.CL14	40	14	90	27	34	70
RK.HSK.A.40.120.CL14	40	14	120	27	34	100
RK.HSK.A.40.160.CL14	40	14	160	27	34	140
RK.HSK.A.40.90.CL16	40	16	90	27	34	70
RK.HSK.A.40.120.CL16	40	16	120	27	34	100
RK.HSK.A.40.160.CL16	40	16	160	27	34	140

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.63.80.CL3	63	3	80	10	15	54
RK.HSK.A.63.120.CL3	63	3	120	10	20	94
RK.HSK.A.63.160.CL3	63	3	160	10	20	134
RK.HSK.A.63.80.CL4	63	4	80	15	22	54
RK.HSK.A.63.120.CL4	63	4	120	15	22	94
RK.HSK.A.63.160.CL4	63	4	160	15	22	134
RK.HSK.A.63.80.CL5	63	5	80	15	22	54
RK.HSK.A.63.120.CL5	63	5	120	15	22	94
RK.HSK.A.63.160.CL5	63	5	160	15	22	134
RK.HSK.A.63.90.CL6	63	6	90	21	27	64
RK.HSK.A.63.130.CL6	63	6	130	21	27	104
RK.HSK.A.63.160.CL6	63	6	160	21	27	134
RK.HSK.A.63.90.CL8	63	8	90	21	27	64
RK.HSK.A.63.130.CL8	63	8	130	21	27	104
RK.HSK.A.63.160.CL8	63	8	160	21	27	134
RK.HSK.A.63.90.CL10	63	10	90	24	32	64
RK.HSK.A.63.130.CL10	63	10	130	24	32	104
RK.HSK.A.63.160.CL10	63	10	160	24	32	134
RK.HSK.A.63.90.CL12	63	12	90	24	32	64
RK.HSK.A.63.130.CL12	63	12	130	24	32	104
RK.HSK.A.63.160.CL12	63	12	160	24	32	134
RK.HSK.A.63.90.CL14	63	14	90	27	34	64
RK.HSK.A.63.130.CL14	63	14	130	27	34	104
RK.HSK.A.63.160.CL14	63	14	160	27	34	134
RK.HSK.A.63.90.CL16	63	16	90	27	34	64
RK.HSK.A.63.130.CL16	63	16	130	27	34	104
RK.HSK.A.63.160.CL16	63	16	160	27	34	134
RK.HSK.A.63.95.CL18	63	18	95	33	42	69
RK.HSK.A.63.130.CL18	63	18	130	33	42	104
RK.HSK.A.63.160.CL18	63	18	160	33	42	134
RK.HSK.A.63.100.CL20	63	20	100	32	42	74
RK.HSK.A.63.130.CL20	63	20	130	32	42	104
RK.HSK.A.63.160.CL20	63	20	160	32	42	134
RK.HSK.A.63.115.CL25	63	25	115	44	53	89
RK.HSK.A.63.130.CL25	63	25	130	44	53	104
RK.HSK.A.63.160.CL25	63	25	160	44	53	134
RK.HSK.A.63.120.CL32	63	32	120	44	53	94
RK.HSK.A.63.160.CL32	63	32	160	44	53	134

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.80.85.CL6	80	6	85	20	27	59
RK.HSK.A.80.120.CL6	80	6	120	20	27	94
RK.HSK.A.80.160.CL6	80	6	160	20	27	134
RK.HSK.A.80.85.CL8	80	8	85	20	27	59
RK.HSK.A.80.120.CL8	80	8	120	20	27	94
RK.HSK.A.80.160.CL8	80	8	160	20	27	134
RK.HSK.A.80.90.CL10	80	10	90	24	31	64
RK.HSK.A.80.120.CL10	80	10	120	24	31	94
RK.HSK.A.80.160.CL10	80	10	160	24	31	134
RK.HSK.A.80.95.CL12	80	12	95	24	31	69
RK.HSK.A.80.120.CL12	80	12	120	24	31	94
RK.HSK.A.80.160.CL12	80	12	160	24	31	134
RK.HSK.A.80.95.CL14	80	14	95	27	34	69
RK.HSK.A.80.120.CL14	80	14	120	27	34	94
RK.HSK.A.80.160.CL14	80	14	160	27	34	134
RK.HSK.A.80.100.CL16	80	16	100	27	34	74
RK.HSK.A.80.120.CL16	80	16	120	27	34	94
RK.HSK.A.80.160.CL16	80	16	160	27	34	134
RK.HSK.A.80.100.CL18	80	18	100	33	40	74
RK.HSK.A.80.120.CL18	80	18	120	33	40	94

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.A.80.160.CL18	80	18	160	33	40	134
RK.HSK.A.80.105.CL20	80	20	105	33	40	79
RK.HSK.A.80.120.CL20	80	20	120	33	40	94
RK.HSK.A.80.160.CL20	80	20	160	33	40	134
RK.HSK.A.80.115.CL25	80	25	115	44	53	89
RK.HSK.A.80.120.CL25	80	25	120	44	53	94
RK.HSK.A.80.160.CL25	80	25	160	44	53	134
RK.HSK.A.80.120.CL32	80	32	120	44	53	94
RK.HSK.A.80.160.CL32	80	32	160	44	53	134

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D	L
RK.HSK.A.100.85.CL6	100	6	85	20	27	56
RK.HSK.A.100.120.CL6	100	6	120	20	27	91
RK.HSK.A.100.160.CL6	100	6	160	20	27	131
RK.HSK.A.100.85.CL8	100	8	85	20	27	56
RK.HSK.A.100.120.CL8	100	8	120	20	27	91
RK.HSK.A.100.160.CL8	100	8	160	20	27	131
RK.HSK.A.100.90.CL10	100	10	90	24	31	61
RK.HSK.A.100.120.CL10	100	10	120	24	31	91
RK.HSK.A.100.160.CL10	100	10	160	24	31	131
RK.HSK.A.100.95.CL12	100	12	95	24	31	66
RK.HSK.A.100.120.CL12	100	12	120	24	31	91
RK.HSK.A.100.160.CL12	100	12	160	24	31	131
RK.HSK.A.100.95.CL14	100	14	95	27	34	66
RK.HSK.A.100.120.CL14	100	14	120	27	34	91
RK.HSK.A.100.160.CL14	100	14	160	27	34	131
RK.HSK.A.100.100.CL16	100	16	100	27	34	71
RK.HSK.A.100.120.CL16	100	16	120	27	34	91
RK.HSK.A.100.160.CL16	100	16	160	27	34	131
RK.HSK.A.100.100.CL18	100	18	100	33	40	71
RK.HSK.A.100.120.CL18	100	18	120	33	40	91
RK.HSK.A.100.160.CL18	100	18	160	33	40	131
RK.HSK.A.100.105.CL20	100	20	105	33	40	76
RK.HSK.A.100.120.CL20	100	20	120	33	40	91
RK.HSK.A.100.160.CL20	100	20	160	33	40	131
RK.HSK.A.100.115.CL25	100	25	115	44	53	86
RK.HSK.A.100.120.CL25	100	25	120	44	53	91
RK.HSK.A.100.160.CL25	100	25	160	44	53	131
RK.HSK.A.100.120.CL32	100	32	120	44	53	91
RK.HSK.A.100.160.CL32	100	32	160	44	53	131

HSK DIN
69893

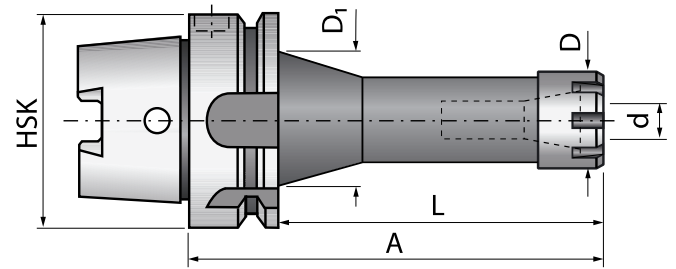


HSK - DIN 69893 - A

AT2

G6,3 / 18000

FRÄSERSPANNFUTTER MINI FÜR ER SPANNZANGEN MANDRINI PORTAPINZA MINI PER PINZE ER MINI COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	D ₁	L	A
RK.HSK.A.32.80.ER11M	32	1 ÷ 7	16	16	60	80
RK.HSK.A.32.80.ER16M	32	1 ÷ 10	22	22	60	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	D ₁	L	A
RK.HSK.A.100.160.ER16M	100	1 ÷ 10	22	22	131	160

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	D ₁	L	A
RK.HSK.A.40.80.ER11M	40	1 ÷ 7	16	16	60	80
RK.HSK.A.40.80.ER16M	40	1 ÷ 10	22	22	60	80
RK.HSK.A.40.80.ER25M	40	1 ÷ 16	35	35	60	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	D ₁	L	A
RK.HSK.A.50.100.ER11M	50	1 ÷ 7	16	16	74	100
RK.HSK.A.50.100.ER16M	50	1 ÷ 10	22	22	74	100

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	D ₁	L	A
RK.HSK.A.63.100.ER11M	63	1 ÷ 7	16	16	74	100
RK.HSK.A.63.160.ER11M	63	1 ÷ 7	16	16	134	160
RK.HSK.A.63.100.ER16M	63	1 ÷ 10	22	22	74	100
RK.HSK.A.63.160.ER16M	63	1 ÷ 10	22	22	134	160
RK.HSK.A.63.110.ER20M	63	1 ÷ 10	28	28	84	110
RK.HSK.A.63.100.ER25M	63	1 ÷ 16	35	35	74	100
RK.HSK.A.63.160.ER25M	63	1 ÷ 16	35	35	134	160



HSK - DIN 69893 - A

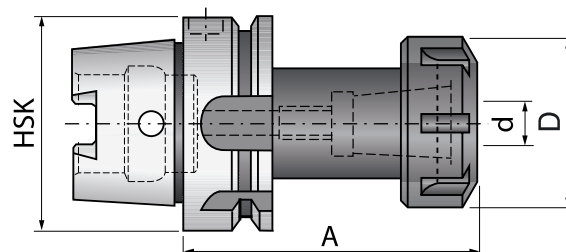
AT2

G6,3 / 18000

FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE ER

COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.32.80.ER16	32	1 ÷ 10	32	80
RK.HSK.A.32.80.ER25	32	1 ÷ 16	42	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.80.100.ER32	80	2 ÷ 20	50	100
RK.HSK.A.80.120.ER40	80	3 ÷ 30	63	120

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.40.80.ER16	40	1 ÷ 10	32	80
RK.HSK.A.40.80.ER25	40	1 ÷ 16	42	80
RK.HSK.A.40.100.ER32	40	2 ÷ 20	50	100

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.100.100.ER16	100	1 ÷ 10	32	100
RK.HSK.A.100.160.ER16	100	1 ÷ 10	32	160
RK.HSK.A.100.100.ER20	100	1 ÷ 13	35	100
RK.HSK.A.100.100.ER25	100	1 ÷ 16	42	100
RK.HSK.A.100.160.ER25	100	1 ÷ 16	42	160
RK.HSK.A.100.200.ER25	100	1 ÷ 16	42	200
RK.HSK.A.100.80.ER32	100	2 ÷ 20	50	80
RK.HSK.A.100.100.ER32	100	2 ÷ 20	50	100
RK.HSK.A.100.160.ER32	100	2 ÷ 20	50	160
RK.HSK.A.100.200.ER32	100	2 ÷ 20	50	200
RK.HSK.A.100.100.ER40	100	3 ÷ 30	63	100
RK.HSK.A.100.160.ER40	100	3 ÷ 30	63	160
RK.HSK.A.100.200.ER40	100	3 ÷ 30	63	200

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.50.100.ER16	50	1 ÷ 10	32	100
RK.HSK.A.50.100.ER25	50	1 ÷ 16	42	100
RK.HSK.A.50.100.ER32	50	2 ÷ 20	50	100

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.63.100.ER16	63	1 ÷ 10	32	100
RK.HSK.A.63.160.ER16	63	1 ÷ 10	32	160
RK.HSK.A.63.200.ER16	63	1 ÷ 10	32	200
RK.HSK.A.63.100.ER20	63	1 ÷ 13	35	100
RK.HSK.A.63.100.ER25	63	1 ÷ 16	42	100
RK.HSK.A.63.160.ER25	63	1 ÷ 16	42	160
RK.HSK.A.63.200.ER25	63	1 ÷ 16	42	200
RK.HSK.A.63.70.ER32	63	2 ÷ 20	50	70
RK.HSK.A.63.80.ER32	63	2 ÷ 20	50	80
RK.HSK.A.63.100.ER32	63	2 ÷ 20	50	100
RK.HSK.A.63.120.ER32	63	2 ÷ 20	50	120
RK.HSK.A.63.130.ER32	63	2 ÷ 20	50	130
RK.HSK.A.63.160.ER32	63	2 ÷ 20	50	160
RK.HSK.A.63.200.ER32	63	2 ÷ 20	50	200
RK.HSK.A.63.65.ER40	63	3 ÷ 30	63	65
RK.HSK.A.63.120.ER40	63	3 ÷ 30	63	120
RK.HSK.A.63.160.ER40	63	3 ÷ 30	63	160

HSK DIN
69893

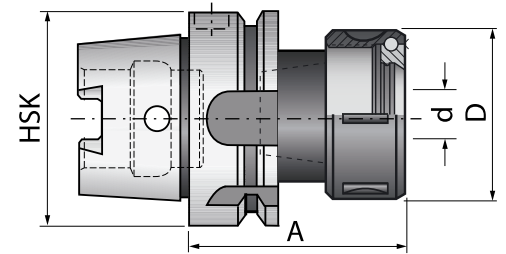


HSK - DIN 69893 - A

AT2

G6,3 / 15000

FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN
MANDRINI PORTAPINZA PER PINZE EOC
COLLET CHUCKS FOR EOC COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.50.100.EOC16	50	2 ÷ 16	43	100
RK.HSK.A.50.100.EOC25	50	2 ÷ 25	60	100

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.100.110.EOC16	100	2 ÷ 16	43	110
RK.HSK.A.100.120.EOC25	100	2 ÷ 25	60	120
RK.HSK.A.100.130.EOC32	100	3 ÷ 32	72	130

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.63.100.EOC16	63	2 ÷ 16	43	100
RK.HSK.A.63.100.EOC25	63	2 ÷ 25	60	100
RK.HSK.A.63.120.EOC32	63	3 ÷ 32	72	100

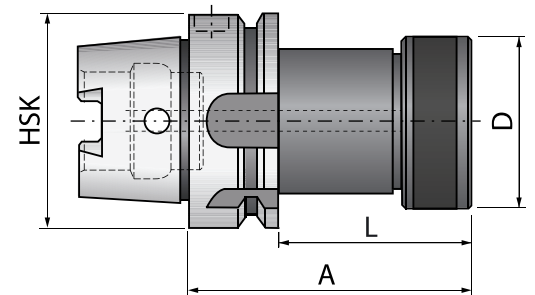


HSK - DIN 69893 - A

AT2

G2,5 / 25000

FRÄSERSPANNFUTTER FÜR SKS SPANNZANGEN
MANDRINI PORTAPINZA PER PINZE SKS
COLLET CHUCKS FOR SKS COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	A	L	D
RK.HSK.A.63.90.SKS10	63	90	64	30
RK.HSK.A.63.120.SKS10	63	120	94	30
RK.HSK.A.63.90.SKS20	63	90	64	48,5
RK.HSK.A.63.135.SKS20	63	135	109	48,5

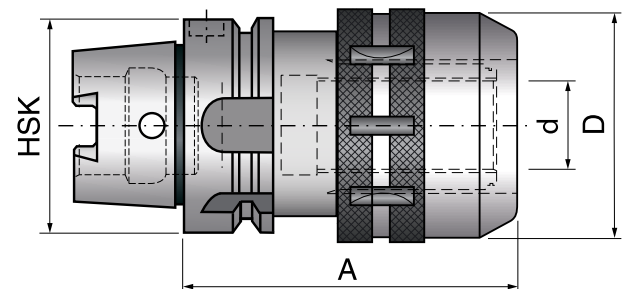


HSK - DIN 69893 - A

AT2

G6,3 / 15000

HOCHLEISTUNGSFUTTER
MANDRINI FORTE SERRAGGIO
HIGH POWER CHUCKS



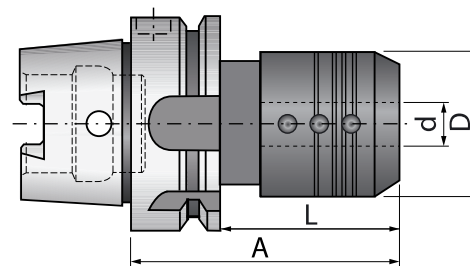
BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.A.63.85.FP20	63	3 ÷ 16	20	85
RK.HSK.A.63.110.FP32	63	6 ÷ 25	32	110



HSK - DIN 69893 - A

AT2

G6,3 / 25000



HYDRODEHNSPANNFUTTER

MANDRINI AD ESPANSIONE IDRAULICI

HYDRAULIC EXPANSION CHUCKS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.32.90.HY12	32	12	32	90	70
RK.HSK.A.32.100.HY20	32	20	42	100	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.63.90.HY12	63	12	32	90	64
RK.HSK.A.63.100.HY20	63	20	42	100	74
RK.HSK.A.63.120.HY25	63	25	50	120	94
RK.HSK.A.63.125.HY32	63	32	60	125	99

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.40.90.HY12	40	12	32	90	70
RK.HSK.A.40.90.HY20	40	20	42	90	70

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.80.95.HY12	80	12	32	96	69
RK.HSK.A.80.105.HY20	80	20	42	105	79
RK.HSK.A.80.115.HY25	80	25	50	115	89
RK.HSK.A.80.120.HY32	80	32	60	120	94

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.50.90.HY12	50	12	32	90	64
RK.HSK.A.50.100.HY20	50	20	42	100	74
RK.HSK.A.50.120.HY25	50	25	60	120	94

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.A.100.95.HY12	100	12	32	95	66
RK.HSK.A.100.105.HY20	100	20	42	105	76
RK.HSK.A.100.115.HY25	100	25	50	115	86
RK.HSK.A.100.120.HY32	100	32	60	120	91

HSK DIN 69893



HSK - DIN 69893 - A

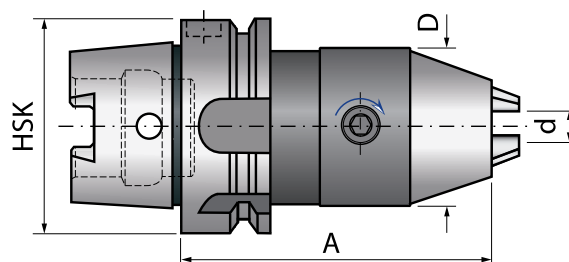
AT2

G6,3 / 12000

BOHRFUTTER MIT HEXAGONALER SCHLÜSSEL

PORTA PUNTE AUTOSERRANTI CON CHIAVE ESAGONALE

DRILL CHUCKS WITH HEXAGONAL KEY LOCK



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.50.116.HD13	50	1 ÷ 13	116	50
RK.HSK.A.50.121.HD16	50	3 ÷ 16	121	57

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.80.109.HD13	80	1 ÷ 13	109	50
RK.HSK.A.80.114.HD16	80	3 ÷ 16	114	57

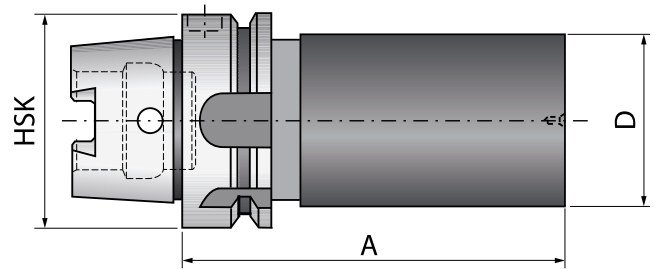
BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.63.101.HD13	63	1 ÷ 13	101	50
RK.HSK.A.63.106.HD16	63	3 ÷ 16	106	57

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.A.100.110.HD13	100	1 ÷ 13	110	50
RK.HSK.A.100.115.HD16	100	3 ÷ 16	115	57

**HSK - DIN 69893 - A**

AT2

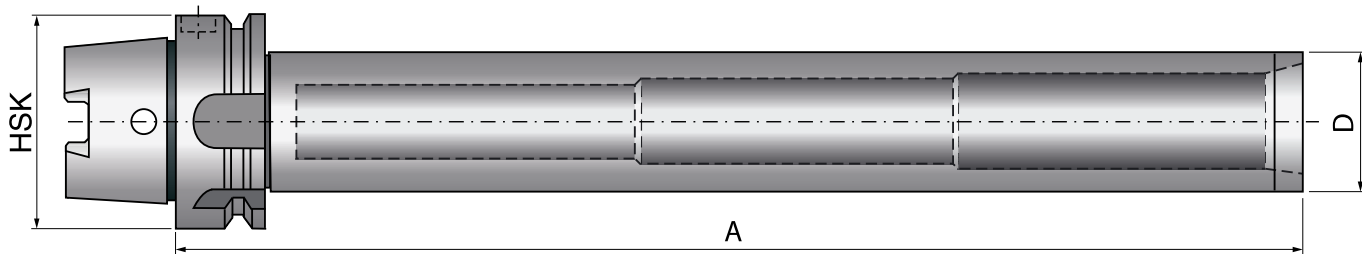
42 HRC

ROHLINGE**MANDRINI A STELLO TENERO LAVORABILE****BLANK ADAPTORS**

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	D	A
RK.HSK.A.32.150.D25BL	32	25	150
RK.HSK.A.40.150.D40BL	40	40	150
RK.HSK.A.50.150.D50BL	50	50	150
RK.HSK.A.63.160.D63BL	63	63	160
RK.HSK.A.63.250.D63BL	63	63	250
RK.HSK.A.80.250.D80BL	80	80	250
RK.HSK.A.100.250.D97BL	100	97	250

**HSK - DIN 69893 - A**

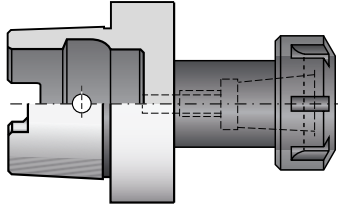
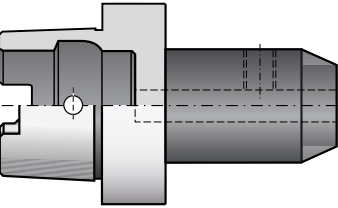
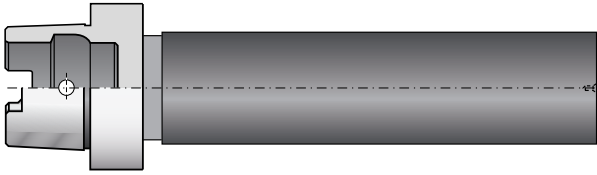
AT2

KONTROL DORNE**SPINE DI CONTROLLO****CONTROL BAR**

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	A	D
RK.HSK.A.32.150.D25	32	150	25
RK.HSK.A.40.150.D25	40	150	25
RK.HSK.A.50.200.D32	50	200	32
RK.HSK.A.63.300.D40	63	300	40
RK.HSK.A.80.300.D40	80	300	40
RK.HSK.A.100.300.D50	100	300	50



RK-

<p>FRÄSPANNFUTTER FÜR ER SPANZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		12-18
<p>ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS</p>		12-18
<p>ROHLINGE STELO TENERO LAVORABILE BLANK ADAPTORS</p>		12-19



HSK - DIN 69893 - C

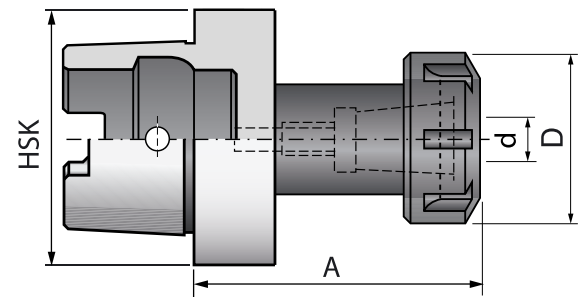
AT2

G6,3 / 18000

FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZA PER PINZE ER COLLET CHUCKS FOR ER COLLETS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.32.60.ER16	32	1 ÷ 10	32	60

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.40.60.ER16	40	1 ÷ 10	32	60
RK.HSK.C.40.70.ER25	40	2 ÷ 16	42	70
RK.HSK.C.40.75.ER32	40	2 ÷ 20	50	75



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.50.60.ER16	40	1 ÷ 10	32	60
RK.HSK.C.50.70.ER25	40	2 ÷ 16	40	70
RK.HSK.C.50.75.ER32	40	2 ÷ 20	50	75
RK.HSK.C.50.80.ER40	40	3 ÷ 26	63	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.63.70.ER25	63	2 ÷ 16	42	70
RK.HSK.C.63.75.ER32	63	2 ÷ 20	50	75
RK.HSK.C.63.80.ER40	63	3 ÷ 26	63	80



HSK - DIN 69893 - C

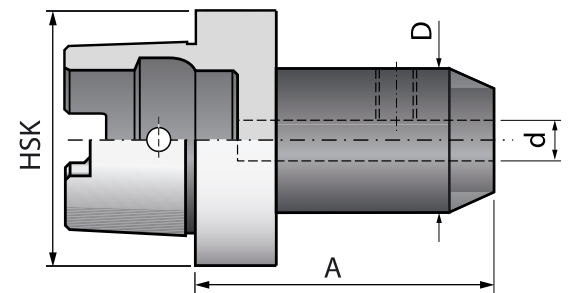
AT2

G6,3 / 18000

ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS

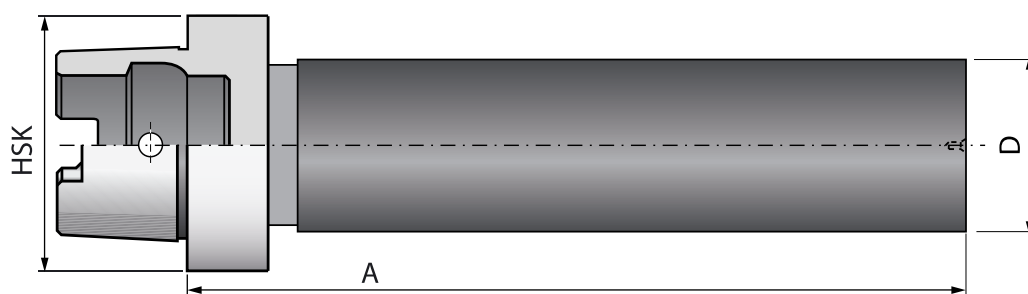
BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.32.60.WE6	32	6	60	25
RK.HSK.C.32.60.WE8	32	8	60	28
RK.HSK.C.32.65.WE10	32	10	65	35

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.40.60.WE6	40	6	60	25
RK.HSK.C.40.60.WE8	40	8	60	28
RK.HSK.C.40.65.WE10	40	10	65	35
RK.HSK.C.40.70.WE12	40	12	70	42
RK.HSK.C.40.70.WE14	40	14	70	44
RK.HSK.C.40.75.WE16	40	16	75	48



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.50.60.WE6	50	6	60	25
RK.HSK.C.50.60.WE8	50	8	60	28
RK.HSK.C.50.65.WE10	50	10	65	35
RK.HSK.C.50.75.WE12	50	12	75	42
RK.HSK.C.50.75.WE14	50	14	75	44
RK.HSK.C.50.80.WE16	50	16	80	48
RK.HSK.C.50.80.WE18	50	18	80	50
RK.HSK.C.50.80.WE20	50	20	80	52

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.C.63.60.WE6	63	6	60	25
RK.HSK.C.63.60.WE8	63	8	60	28
RK.HSK.C.63.65.WE10	63	10	65	35
RK.HSK.C.63.75.WE12	63	12	75	42
RK.HSK.C.63.75.WE14	63	14	75	44
RK.HSK.C.63.80.WE16	63	16	80	48
RK.HSK.C.63.80.WE18	63	18	80	50
RK.HSK.C.63.80.WE20	63	20	80	52
RK.HSK.C.63.95.WE25	63	25	95	63
RK.HSK.C.63.100.WE32	63	32	100	72

**KONTROL DORNE****SPINE DI CONTROLLO****CONTROL BAR**

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	A	D
RK.HSK.C.32.160.D40BL	32	160	40
RK.HSK.C.40.160.D50BL	40	160	50
RK.HSK.C.50.200.D63BL	50	200	63
RK.HSK.C.63.200.D80BL	63	200	80



RK-

<p>QUERNUT-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE FISSI SHELL MILL ADAPTORS</p>		12-21
<p>ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS</p>		12-21
<p>SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD</p>		12-22 12-23
<p>FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		12-24
<p>FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZE PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS</p>		12-25
<p>SCHNEIDER-ARBOREN ALBERATI CUTTER ARBORS</p>		12-25



HSK - DIN 69893 - E

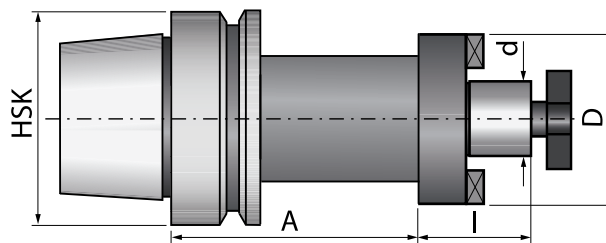
AT2

G6,3 / 24000

QUERNUT-AUFSTECHEFRÄSDORN

MANDRINI PORTAFRESE FISSI

SHELL MILL HOLDERS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.E.40.50.D16S	40	16	38	17	50

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.E.63.50.D16S	63	16	50	17	38
RK.HSK.E.63.50.D22S	63	22	50	19	48

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	l	A
RK.HSK.E.50.50.D16S	50	16	50	17	38
RK.HSK.E.50.60.D22S	50	22	60	19	48



HSK - DIN 69893 - E

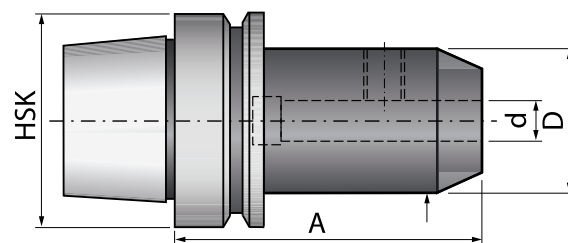
AT2

G6,3 / 24000

ZWISCHENHÜLSEN FÜR WELDON FRÄSER

MANDRINI PER FRESE WELDON

WELDON END MILLS HOLDERS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.E.32.55.WE6	32	6	55	25
RK.HSK.E.32.55.WE8	32	8	55	28
RK.HSK.E.32.60.WE10	32	10	60	35
RK.HSK.E.32.65.WE12	32	12	65	42

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.E.50.65.WE6	50	6	65	25
RK.HSK.E.50.65.WE8	50	8	65	28
RK.HSK.E.50.65.WE10	50	10	65	35
RK.HSK.E.50.80.WE12	50	12	80	42
RK.HSK.E.50.80.WE14	50	14	80	44
RK.HSK.E.50.80.WE16	50	16	80	48

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.E.40.60.WE6	40	6	60	25
RK.HSK.E.40.60.WE8	40	8	60	28
RK.HSK.E.40.60.WE10	40	10	60	36
RK.HSK.E.40.70.WE12	40	12	70	42
RK.HSK.E.40.70.WE14	40	14	70	44
RK.HSK.E.40.75.WE16	40	16	70	48

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D
RK.HSK.E.63.65.WE6	63	6	65	25
RK.HSK.E.63.65.WE8	63	8	65	28
RK.HSK.E.63.65.WE10	63	10	65	35
RK.HSK.E.63.80.WE12	63	12	80	42
RK.HSK.E.63.80.WE14	63	14	80	44
RK.HSK.E.63.80.WE16	63	16	80	48
RK.HSK.E.63.80.WE18	63	18	80	50
RK.HSK.E.63.80.WE20	63	20	80	52

HSK DIN 69893



HSK - DIN 69893 - E

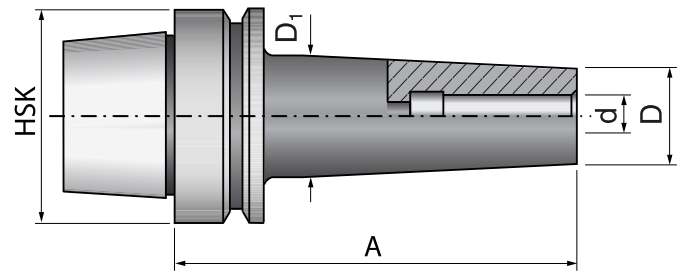
AT2

G2,5 / 25000

SCHRUMPFHALTER STANDARD

MANDRINI CALETTAMENTO STANDARD

SHRINK FIT HOLDERS STANDARD



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁
RK.HSK.E.32.60.CL3	32	3	60	10	16
RK.HSK.E.32.60.CL4	32	4	60	10	16
RK.HSK.E.32.60.CL5	32	5	60	10	16
RK.HSK.E.32.70.CL6	32	6	70	20	25
RK.HSK.E.32.70.CL8	32	8	70	20	25
RK.HSK.E.32.70.CL10	32	10	70	24	29
RK.HSK.E.32.80.CL12	32	12	80	24	29
RK.HSK.E.32.90.CL14	32	14	90	27	34
RK.HSK.E.32.90.CL16	32	16	90	27	34
RK.HSK.E.32.100.CL20	32	20	100	33	40

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁
RK.HSK.E.40.60.CL3	40	3	60	10	16
RK.HSK.E.40.120.CL3	40	3	120	10	20
RK.HSK.E.40.160.CL3	40	3	160	10	20
RK.HSK.E.40.60.CL4	40	4	60	10	16
RK.HSK.E.40.120.CL4	40	4	120	15	22
RK.HSK.E.40.160.CL4	40	4	160	15	22
RK.HSK.E.40.60.CL5	40	5	60	10	16
RK.HSK.E.40.120.CL5	40	5	120	15	22
RK.HSK.E.40.160.CL5	40	5	160	15	22
RK.HSK.E.40.80.CL6	40	6	80	20	27
RK.HSK.E.40.120.CL6	40	6	120	20	27
RK.HSK.E.40.160.CL6	40	6	160	20	27
RK.HSK.E.40.80.CL8	40	8	80	20	27
RK.HSK.E.40.120.CL8	40	8	120	20	27
RK.HSK.E.40.160.CL8	40	8	160	20	27
RK.HSK.E.40.80.CL10	40	10	80	24	31
RK.HSK.E.40.120.CL10	40	10	120	24	31
RK.HSK.E.40.160.CL10	40	10	160	24	31
RK.HSK.E.40.90.CL12	40	12	90	24	31
RK.HSK.E.40.120.CL12	40	12	120	24	31
RK.HSK.E.40.160.CL12	40	12	160	24	31
RK.HSK.E.40.90.CL14	40	14	90	27	34
RK.HSK.E.40.120.CL14	40	14	120	27	34
RK.HSK.E.40.160.CL14	40	14	160	27	34
RK.HSK.E.40.90.CL16	40	16	90	27	34
RK.HSK.E.40.120.CL16	40	16	120	27	34
RK.HSK.E.40.160.CL16	40	16	160	27	34

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁
RK.HSK.E.50.80.CL3	50	3	80	10	15
RK.HSK.E.50.120.CL3	50	3	120	10	20
RK.HSK.E.50.160.CL3	50	3	160	10	20
RK.HSK.E.50.80.CL4	50	4	80	15	22
RK.HSK.E.50.120.CL4	50	4	120	15	22
RK.HSK.E.50.160.CL4	50	4	160	15	22
RK.HSK.E.50.80.CL5	50	5	80	15	22
RK.HSK.E.50.120.CL5	50	5	120	15	22
RK.HSK.E.50.160.CL5	50	5	160	15	22
RK.HSK.E.50.80.CL6	50	6	80	20	27
RK.HSK.E.50.120.CL6	50	6	120	20	27
RK.HSK.E.50.160.CL6	50	6	160	20	27
RK.HSK.E.50.80.CL8	50	8	80	20	27
RK.HSK.E.50.120.CL8	50	8	120	20	27
RK.HSK.E.50.160.CL8	50	8	160	20	27
RK.HSK.E.50.85.CL10	50	10	85	24	31
RK.HSK.E.50.120.CL10	50	10	120	24	31
RK.HSK.E.50.160.CL10	50	10	160	24	31
RK.HSK.E.50.90.CL12	50	12	90	24	31
RK.HSK.E.50.120.CL12	50	12	120	24	31
RK.HSK.E.50.160.CL12	50	12	160	24	31
RK.HSK.E.50.90.CL14	50	14	90	27	34
RK.HSK.E.50.120.CL14	50	14	120	27	34
RK.HSK.E.50.160.CL14	50	14	160	27	34
RK.HSK.E.50.95.CL16	50	16	95	27	34
RK.HSK.E.50.120.CL16	50	16	120	27	34
RK.HSK.E.50.160.CL16	50	16	160	27	34
RK.HSK.E.50.95.CL18	50	18	95	33	40
RK.HSK.E.50.120.CL18	50	18	120	33	40
RK.HSK.E.50.160.CL18	50	18	160	33	40
RK.HSK.E.50.100.CL20	50	20	100	33	40
RK.HSK.E.50.120.CL20	50	20	120	33	40
RK.HSK.E.50.160.CL20	50	20	160	33	40

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁
RK.HSK.E.63.80.CL3	63	3	80	10	15
RK.HSK.E.63.120.CL3	63	3	120	10	20
RK.HSK.E.63.160.CL3	63	3	160	10	20
RK.HSK.E.63.80.CL4	63	4	80	15	22
RK.HSK.E.63.120.CL4	63	4	120	15	22
RK.HSK.E.63.160.CL4	63	4	160	15	22
RK.HSK.E.63.80.CL5	63	5	80	15	22
RK.HSK.E.63.120.CL5	63	5	120	15	22
RK.HSK.E.63.160.CL5	63	5	160	15	22
RK.HSK.E.63.80.CL6	63	6	80	20	27
RK.HSK.E.63.120.CL6	63	6	120	20	27
RK.HSK.E.63.160.CL6	63	6	160	20	27
RK.HSK.E.63.80.CL8	63	8	80	20	27
RK.HSK.E.63.120.CL8	63	8	120	20	27
RK.HSK.E.63.160.CL8	63	8	160	20	27
RK.HSK.E.63.85.CL10	63	10	85	24	31
RK.HSK.E.63.120.CL10	63	10	120	24	31
RK.HSK.E.63.160.CL10	63	10	160	24	31
RK.HSK.E.63.90.CL12	63	12	90	24	31
RK.HSK.E.63.120.CL12	63	12	120	24	31
RK.HSK.E.63.160.CL12	63	12	160	24	31
RK.HSK.E.63.90.CL14	63	14	90	27	34
RK.HSK.E.63.120.CL14	63	14	120	27	34
RK.HSK.E.63.160.CL14	63	14	160	27	34
RK.HSK.E.63.95.CL16	63	16	95	27	34
RK.HSK.E.63.120.CL16	63	16	120	27	34
RK.HSK.E.63.160.CL16	63	16	160	27	34
RK.HSK.E.63.95.CL18	63	18	95	33	40
RK.HSK.E.63.120.CL18	63	18	120	33	40
RK.HSK.E.63.160.CL18	63	18	160	33	40
RK.HSK.E.63.100.CL20	63	20	100	33	40
RK.HSK.E.63.120.CL20	63	20	120	33	40
RK.HSK.E.63.160.CL20	63	20	160	33	40
RK.HSK.E.63.115.CL25	63	25	115	44	53
RK.HSK.E.63.120.CL25	63	25	120	44	53
RK.HSK.E.63.160.CL25	63	25	160	44	53
RK.HSK.E.63.120.CL32	63	32	120	44	53
RK.HSK.E.63.160.CL32	63	32	160	44	53

HSK DIN
69893

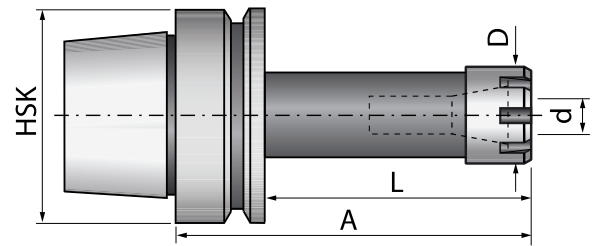


HSK - DIN 69893 - E

AT2

G6,3 / 24000

FRÄSERSPANNFUTTER MINI FÜR ER SPANNZANGEN MANDRINI PORTAPINZA MINI PER PINZE ER MINI COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.E.25.55.ER11M	25	1 ÷ 7	16	45	55
RK.HSK.E.25.55.ER16M	25	1 ÷ 10	22	45	55

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.E.40.80.ER11M	40	1 ÷ 7	16	60	80
RK.HSK.E.40.80.ER16M	40	1 ÷ 10	22	60	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.E.32.80.ER11M	32	1 ÷ 7	16	60	80
RK.HSK.E.32.80.ER16M	32	1 ÷ 10	22	60	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.E.50.100.ER11M	50	1 ÷ 7	16	74	100

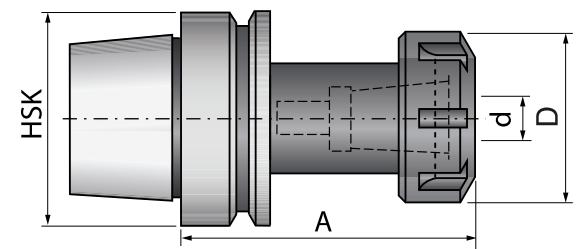


HSK - DIN 69893 - E

AT2

G6,3 / 24000

FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZA PER PINZE ER COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.E.32.60.ER16	32	1 ÷ 10	32	60
RK.HSK.E.32.80.ER25	32	2 ÷ 16	42	80

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.E.40.60.ER16	40	1 ÷ 10	32	60
RK.HSK.E.40.70.ER25	40	2 ÷ 16	42	70

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.E.50.100.ER16	50	1 ÷ 10	32	100
RK.HSK.E.50.70.ER25	50	2 ÷ 16	42	70
RK.HSK.E.50.73.ER32.DX	50	3 ÷ 20	50	73
RK.HSK.E.50.73.ER32.SX	50	3 ÷ 20	50	73
RK.HSK.E.50.75.ER40.DX	50	4 ÷ 30	63	75
RK.HSK.E.50.75.ER40.SX	50	4 ÷ 30	63	75

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.E.63.73.ER32.DX	63	3 ÷ 20	50	73
RK.HSK.E.63.73.ER32.SX	63	3 ÷ 20	50	73
RK.HSK.E.63.78.ER40.DX	63	4 ÷ 30	63	78
RK.HSK.E.63.78.ER40.SX	63	4 ÷ 30	63	78



HSK - DIN 69893 - E

AT2

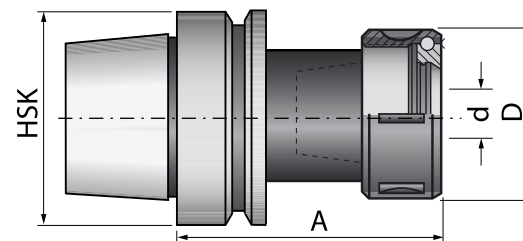
G6,3 / 24000

FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE EOC

COLLET CHUCKS FOR EOC COLLETS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSL.E.63.80.EOC25.DX	63	2 ÷ 25	80	60
RK.HSL.E.63.80.EOC25.SX	63	2 ÷ 25	80	60



HSK - DIN 69893 - E

AT2

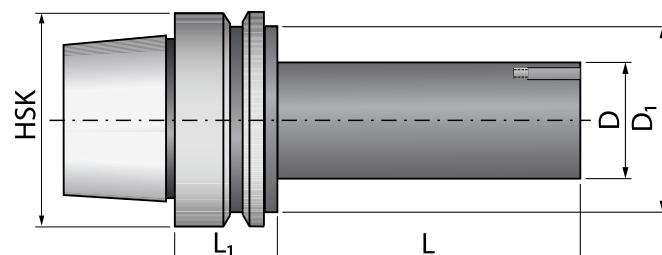
G6,3 / 24000

SCHNEIDER-ARBOREN

ALBERATI

CUTTER ARBORS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.E.50.30X100.42	50	42	30	100	45
RK.HSK.E.50.30X150.42	50	42	30	150	45
RK.HSK.E.50.30X200.42	50	42	30	200	45
RK.HSK.E.50.35X100.42	50	42	35	100	49
RK.HSK.E.50.35X150.42	50	42	35	150	49
RK.HSK.E.50.35X200.42	50	42	35	200	49



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.E.63.30X100.33	63	33	30	100	45
RK.HSK.E.63.30X150.33	63	33	30	150	45
RK.HSK.E.63.30X200.33	63	33	30	200	45
RK.HSK.E.63.35X100.33	63	33	35	100	50
RK.HSK.E.63.35X150.33	63	33	35	150	50
RK.HSK.E.63.35X200.33	63	33	35	200	50
RK.HSK.E.63.40X100.33	63	33	40	100	53
RK.HSK.E.63.40X150.33	63	33	40	150	53
RK.HSK.E.63.40X200.33	63	33	40	200	53

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.E.63.30X100.42	63	42	30	100	45
RK.HSK.E.63.30X150.42	63	42	30	150	45
RK.HSK.E.63.30X200.42	63	42	30	200	45
RK.HSK.E.63.35X100.42	63	42	35	100	50
RK.HSK.E.63.35X150.42	63	42	35	150	50
RK.HSK.E.63.35X200.42	63	42	35	200	50
RK.HSK.E.63.40X100.42	63	42	40	100	53
RK.HSK.E.63.40X150.42	63	42	40	150	53
RK.HSK.E.63.40X200.42	63	42	40	200	53



HSK - DIN 69893 - E

ERSATZFLANSCH

FLANGIA DI RICAMBIO

REPLACEMENT FLANGE

BESTELL.-NR. ARTICOLO ORDER NR.	FIG.
RK.FLM.30	1
RK.FLM.35	1
RK.FLM.40	1

FIG. 1



FIG. 2



BESTELL.-NR. ARTICOLO ORDER NR.	FIG.
RK.FLF.30	2
RK.FLF.35	2
RK.FLF.40	2

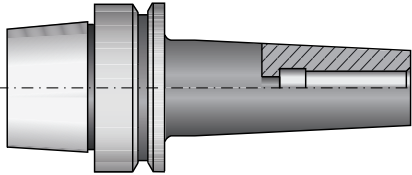
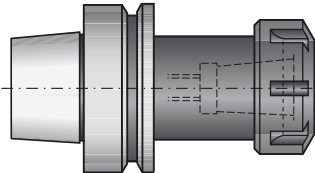
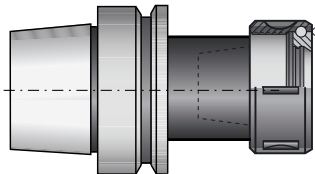
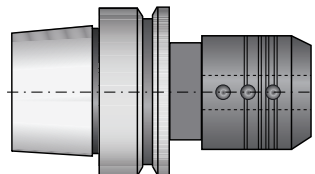
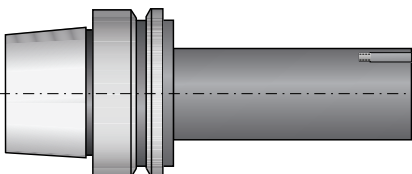
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69893



HSK - DIN 69893 FORMA F



RK-

<p>SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD</p>		<p>12-27</p>
<p>FRÄSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS</p>		<p>12-27</p>
<p>FRÄSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZE PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS</p>		<p>12-27</p>
<p>HYDRODEHNSPANNFUTTER MANDRINI IDRAULICI HYDRAULIC EXPANSION CHUCKS</p>		<p>12-27</p>
<p>SCHNEIDER-ARBOREN ALBERATI CUTTER ARBORS</p>		<p>12-27</p>



HSK - DIN 69893 - F

AT2

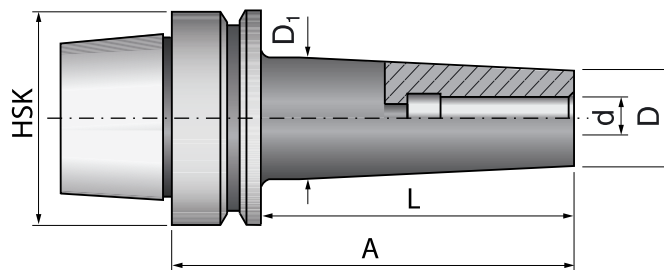
G2,5 / 25000

SCHRUMPFALTER STANDARD

MANDRINI CALETTAMENTO STANDARD

SHRINK FIT HOLDERS STANDARD

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	A	D	D ₁	L
RK.HSK.F.63.76.CL6	63	6	76	21	29	50
RK.HSK.F.63.76.CL8	63	8	76	21	29	50
RK.HSK.F.63.76.CL10	63	10	76	24	32	50
RK.HSK.F.63.76.CL12	63	12	76	24	32	50
RK.HSK.F.63.76.CL16	63	16	76	27	34	50
RK.HSK.F.63.76.CL20	63	20	76	33	42	50
RK.HSK.F.63.76.CL25	63	25	76	44	53	50
RK.HSK.F.63.76.CL30	63	30	76	44	53	50



HSK - DIN 69893 - F

AT2

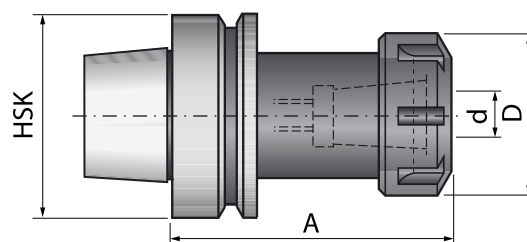
G6,3 / 24000

FRÄSPANNFUTTER FÜR ER SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE ER

COLLET CHUCKS FOR ER COLLETS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.F.50.73.ER32.DX	50	3 ÷ 20	50	73
RK.HSK.F.50.73.ER32.SX	50	3 ÷ 20	50	73
RK.HSK.F.50.75.ER40.DX	50	4 ÷ 30	63	75
RK.HSK.F.50.75.ER40.SX	50	4 ÷ 30	63	75



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
HSK.F.63.73.ER32.DX	63	3 ÷ 20	50	73
HSK.F.63.73.ER32.SX	63	3 ÷ 20	50	73
HSK.F.63.78.ER40.DX	63	4 ÷ 30	63	78
HSK.F.63.78.ER40.SX	63	4 ÷ 30	63	78



HSK - DIN 69893 - F

AT2

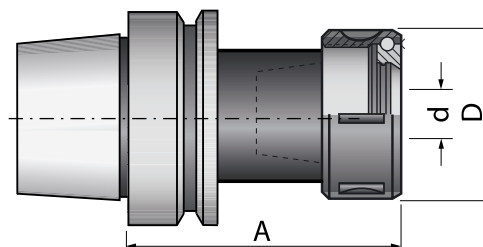
G6,3 / 24000

FRÄSPANNFUTTER FÜR EOC SPANNZANGEN

MANDRINI PORTAPINZA PER PINZE EOC

COLLET CHUCKS FOR EOC COLLETS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.F.50.80.EOC25.DX	50	2 ÷ 25	60	80
RK.HSK.F.50.80.EOC25.SX	50	2 ÷ 25	60	80



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A
RK.HSK.F.63.78.EOC25.DX	63	2 ÷ 25	60	78
RK.HSK.F.63.78.EOC25.SX	63	2 ÷ 25	60	78



HSK - DIN 69893 - F

AT2

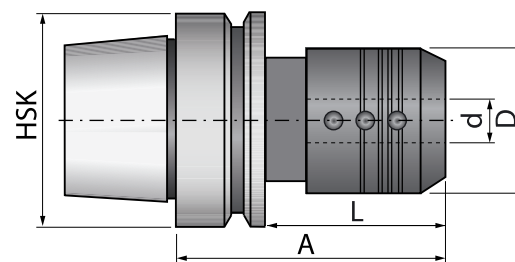
G6,3 / 24000

HYDRODEHNSPANNFUTTER

MANDRINI AD ESPANSIONE IDRAULICI

HYDRAULIC EXPANSION CHUCKS

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	d	D	A	L
RK.HSK.F.63.100.HY20	63	20	42	100	74
RK.HSK.F.63.125.HY32	63	32	60	125	99



HSK DIN
69893



HSK - DIN 69893 - F

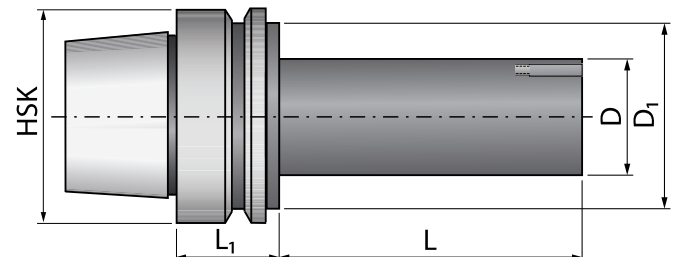
AT2

G6,3 / 24000

SCHNEIDER-ARBOREN

ALBERATI

CUTTER ARBORS



BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.F.50.30X100.42	50	42	30	100	45
RK.HSK.F.50.30X150.42	50	42	30	150	45
RK.HSK.F.50.30X200.42	50	42	30	200	45
RK.HSK.F.50.35X100.42	50	42	35	100	49
RK.HSK.F.50.35X150.42	50	42	35	150	49
RK.HSK.F.50.35X200.42	50	42	35	200	49

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.F.63.30X80.33	63	33	30	80	45
RK.HSK.F.63.30X100.33	63	33	30	100	45
RK.HSK.F.63.30X110.33	63	33	30	110	45
RK.HSK.F.63.30X120.33	63	33	30	120	45
RK.HSK.F.63.30X130.33	63	33	30	130	45
RK.HSK.F.63.30X160.33	63	33	30	160	45
RK.HSK.F.63.30X200.33	63	33	30	200	45
RK.HSK.F.63.35X80.33	63	33	35	80	50
RK.HSK.F.63.35X100.33	63	33	35	100	50
RK.HSK.F.63.35X110.33	63	33	35	110	50
RK.HSK.F.63.35X120.33	63	33	35	120	50
RK.HSK.F.63.35X130.33	63	33	35	130	50
RK.HSK.F.63.35X160.33	63	33	35	160	50
RK.HSK.F.63.35X200.33	63	33	35	200	50
RK.HSK.F.63.40X80.33	63	33	40	80	53
RK.HSK.F.63.40X100.33	63	33	40	100	53
RK.HSK.F.63.40X110.33	63	33	40	110	53
RK.HSK.F.63.40X120.33	63	33	40	120	53
RK.HSK.F.63.40X130.33	63	33	40	130	53
RK.HSK.F.63.40X160.33	63	33	40	160	53
RK.HSK.F.63.40X200.33	63	33	40	200	53

BESTELL.-NR. ARTICOLO ORDER NR.	HSK	L ₁	D	L	D ₁
RK.HSK.F.63.30X80.42	63	42	30	80	45
RK.HSK.F.63.30X100.42	63	42	30	100	45
RK.HSK.F.63.30X110.42	63	42	30	110	45
RK.HSK.F.63.30X120.42	63	42	30	120	45
RK.HSK.F.63.30X130.42	63	42	30	130	45
RK.HSK.F.63.30X160.42	63	42	30	160	45
RK.HSK.F.63.30X200.42	63	42	30	200	45
RK.HSK.F.63.35X80.42	63	42	35	80	50
RK.HSK.F.63.35X100.42	63	42	35	100	50
RK.HSK.F.63.35X110.42	63	42	35	110	50
RK.HSK.F.63.35X120.42	63	42	35	120	50
RK.HSK.F.63.35X130.42	63	42	35	130	50
RK.HSK.F.63.35X160.42	63	42	35	160	50
RK.HSK.F.63.35X200.42	63	42	35	200	50
RK.HSK.F.63.40X80.42	63	42	40	80	53
RK.HSK.F.63.40X100.42	63	42	40	100	53
RK.HSK.F.63.40X110.42	63	42	40	110	53
RK.HSK.F.63.40X120.42	63	42	40	120	53
RK.HSK.F.63.40X130.42	63	42	40	130	53
RK.HSK.F.63.40X160.42	63	43	40	160	53
RK.HSK.F.63.40X200.42	63	43	40	200	53



HSK - DIN 69893 - E

ERSATZFLANSCH

FLANGIA DI RICAMBIO

REPLACEMENT FLANGE

FIG. 1



FIG. 2



BESTELL.-NR. ARTICOLO ORDER NR.	FIG.
RK.FLM.30	1
RK.FLM.35	1
RK.FLM.40	1

BESTELL.-NR. ARTICOLO ORDER NR.	FIG.
RK.FLF.30	2
RK.FLF.35	2
RK.FLF.40	2

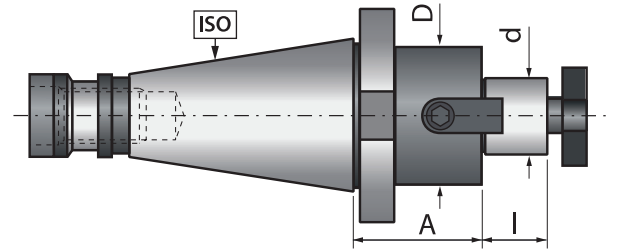

RK-

QUERNUT-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE FISSI SHELL MILL ADAPTORS		13-2
KOMBI-AUFSTECKFRÄSDORN MANDRINI PORTAFRESE COMBINATI COMBINATION SHELL MILL ADAPTORS		13-2
ZWISCHENHÜLSE FÜR MK BOHRER MANDRINI DI RIDUZIONE CM PUNTE REDUCING ADAPTORS MT DRILL		13-2
ZWISCHENHÜLSEN FÜR WELDON FRÄSER MANDRINI PER FRESE WELDON WELDON END MILLS HOLDERS		13-3
FRÄSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS		13-3
FRÄSPANNFUTTER FÜR EOC SPANNZANGEN MANDRINI PORTAPINZE PER PINZE EOC COLLET CHUCKS FOR EOC COLLETS		13-4
PRÄZISIONS SPANNFUTTER MIT SCHLÜSSEL MANDRINI PORTAPUNTE CON CHIAVE PRECISION DRILL CHUCKS WITH KEY		13-4
ROHLINGE STELO TENERO LAVORABILE BLANK ADAPTORS		13-4
KONTROL DORNE SPINE DI CONTROLLO CONTROL BAR		13-4



DIN 2080 - ISO 40/50
AT2 G6,3 / 12000

QUERNUT-AUFSTECHEFRÄSDORN
MANDRINI PORTAFRESE FISSI
SHELL MILL HOLDERS



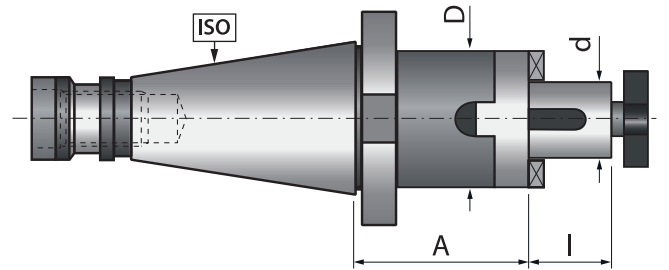
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RK.ISO.40.30.D16S	40	16	38	17	30
RK.ISO.40.35.D22S	40	22	48	19	35
RK.ISO.40.35.D27S	40	27	58	21	35
RK.ISO.40.35.D32S	40	32	63	24	35
RK.ISO.40.35.D40S	40	40	79	27	35

BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	D	I	A
RK.ISO.50.45.D16S	50	16	38	17	45
RK.ISO.50.45.D22S	50	22	48	19	45
RK.ISO.50.45.D27S	50	27	58	21	45
RK.ISO.50.45.D32S	50	32	65	24	45
RK.ISO.50.45.D40S	50	40	80	27	45



DIN 2080 - ISO 40/50
AT2 G6,3 / 12000

KOMBI-AUFSTECKFRÄSDORNE
MANDRINI PORTAFRESE COMBINATI
COMBI SHELL MILL HOLDER



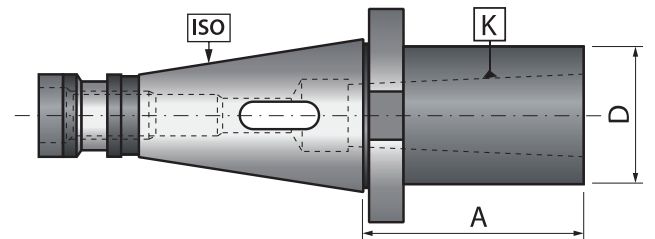
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	D	I	A
RK-ISO.40.52.D16C	40	32	17	62	16
RK-ISO.40.52.D22C	40	40	19	62	22
RK-ISO.40.52.D27C	40	48	21	62	27
RK-ISO.40.52.D32C	40	58	24	62	32
RK-ISO.40.52.D40C	40	70	27	62	40

BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	D	I	A
RK.ISO.50.55.D16C	50	16	32	17	55
RK.ISO.50.55.D22C	50	22	40	19	55
RK.ISO.50.55.D27C	50	27	48	21	55
RK.ISO.50.55.D32C	50	32	58	24	55
RK.ISO.50.55.D40C	50	40	70	27	55



DIN 2080 - ISO 40/50
AT2 G6,3 / 12000

ZWISCHENHÜLSE FÜR BOHRER MORSE KEGEL
MANDRINI DI RIDUZIONE PER PUNTE CONO MORSE
REDUCING ADAPTERS FOR MORSE TAPER DRILLS



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	K	D	L
RK.ISO.40.50.CM1P	40	1	25	50
RK.ISO.40.50.CM2P	40	2	32	50
RK.ISO.40.65.CM3P	40	3	40	65
RK.ISO.40.95.CM4P	40	4	48	95

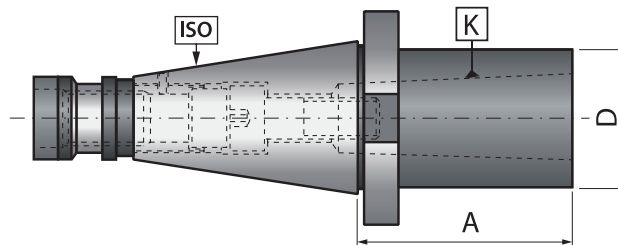
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	K	D	L
RK.ISO.50.45.CM1P	50	1	25	45
RK.ISO.50.60.CM2P	50	2	32	60
RK.ISO.50.65.CM3P	50	3	40	65
RK.ISO.50.70.CM4P	50	4	48	70
RK.ISO.50.105.CM5P	50	5	63	105

**DIN 2080 - ISO 40/50**

AT2

G6,3 / 12000

ZWISCHENHÜLSE FÜR FRÄSER MORSE KEGEL
MANDRINI DI RIDUZIONE PER FRESE CONO MORSE
REDUCING ADAPTERS FOR MORSE TAPER MILL



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	K	D	L
RK.ISO.40.50.CM1F	40	1	25	50
RK.ISO.40.50.CM2F	40	2	32	50
RK.ISO.40.65.CM3F	40	3	40	65
RK.ISO.40.95.CM4F	40	4	48	95
RK.ISO.40.110.CM4F	40	4	63	110

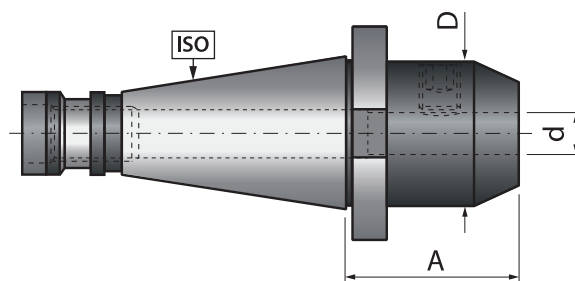
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	K	D	L
RK.ISO.50.60.CM1F	50	1	25	60
RK.ISO.50.60.CM2F	50	2	32	60
RK.ISO.50.65.CM3F	50	3	40	65
RK.ISO.50.65.CM4F	50	4	48	65
RK.ISO.50.80.CM4F	50	4	63	80
RK.ISO.50.120.CM5F	50	5	63	120
RK.ISO.50.138.CM5F	50	5	78	138

**DIN 2080 - ISO 40/50**

AT2

G6,3 / 12000

ZWISCHENHÜLSEN FÜR WELDON FRÄSER
MANDRINI PER FRESE WELDON
WELDON END MILLS HOLDERS



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-ISO.40.50.WE6	40	6	50	25
RK-ISO.40.50.WE8	40	8	50	28
RK-ISO.40.50.WE10	40	10	50	35
RK-ISO.40.50.WE12	40	12	50	42
RK-ISO.40.50.WE14	40	14	50	44
RK-ISO.40.63.WE16	40	16	63	48
RK-ISO.40.63.WE18	40	18	63	50
RK-ISO.40.63.WE20	40	20	63	52
RK-ISO.40.80.WE25	40	25	80	63
RK-ISO.40.80.WE32	40	32	80	72
RK-ISO.40.90.WE40	40	40	90	90

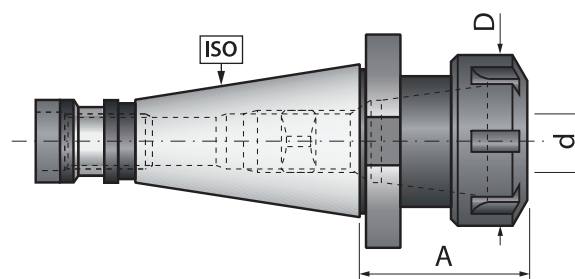
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-RK-ISO.50.63.WE6	50	25	63	6
RK-RK-ISO.50.63.WE8	50	28	63	8
RK-RK-ISO.50.63.WE10	50	35	63	10
RK-RK-ISO.50.63.WE12	50	42	63	12
RK-RK-ISO.50.63.WE14	50	44	63	14
RK-RK-ISO.50.63.WE16	50	48	63	16
RK-RK-ISO.50.63.WE18	50	50	63	18
RK-RK-ISO.50.63.WE20	50	52	63	20
RK-RK-ISO.50.80.WE25	50	65	80	25
RK-RK-ISO.50.80.WE32	50	72	80	32
RK-RK-ISO.50.90.WE40	50	90	90	40

**DIN 2080 - ISO 40/50**

AT2

G6,3 / 12000

FRÄSPANNFUTTER FÜR ER SPANZANGEN
MANDRINI PORTAPINZA PER PINZE ER
COLLET CHUCKS FOR ER COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-ISO.40.47.ER16	40	1 ÷ 10	47	32
RK-ISO.40.47.ER25	40	1 ÷ 16	47	42
RK-ISO.40.49.ER32	40	2 ÷ 20	49	50
RK-ISO.40.70.ER40	40	3 ÷ 30	80	63

BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-ISO.50.80.ER25	50	1 ÷ 16	80	42
RK-ISO.50.69.ER32	50	2 ÷ 20	69	50
RK-ISO.50.63.ER40	50	3 ÷ 30	63	63

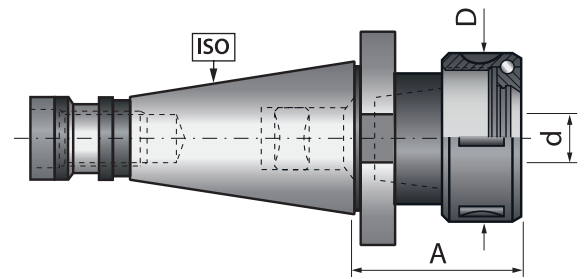
DIN 2080

**DIN 2080 - ISO 40/50**

AT2

G6,3 / 12000

FRÄSERSPANNFUTTER FÜR EOC SPANNZANGEN
MANDRINI PORTAPINZA PER PINZE EOC
COLLET CHUCK FOR EOC COLLETS



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-ISO.40.55.EOC16	40	2 - 16	55	43
RK-ISO.40.66.EOC25	40	2 - 25	66	60
RK-ISO.40.95.EOC32	40	4 - 32	95	72

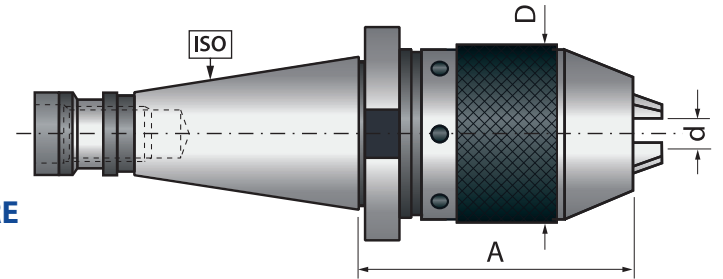
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	A	D
RK-ISO.50.71.EOC25	50	2 - 25	71	60
RK-ISO.50.73.EOC32	50	4 - 32	73	72

**DIN 2080 - ISO 40/50**

AT2

G6,3 / 12000

BOHRFUTTER MIT HAKENKLAPPE
PORTA PUNTE AUTOSERRANTI CON CHIAVE A SETTORE
DRILL CHUCKS WITH HOOK WRENCH



BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	D	A
RK.ISO.40.88.DCK13	40	1 ÷ 13	50	88
RK.ISO.40.100.DCK16	40	3 ÷ 16	58	100

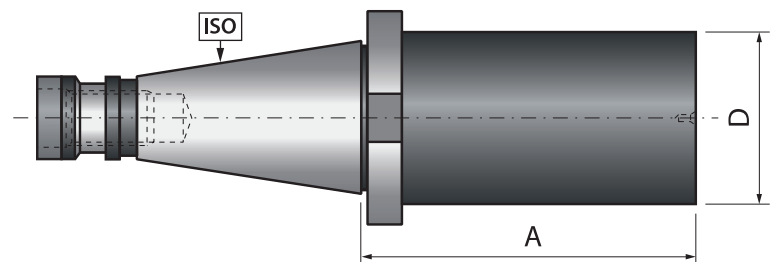
BESTELL.-NR. ARTICOLO ORDER NR.	ISO	d	D	A
RK.ISO.50.80.DCK13	50	50	1 ÷ 13	80
RK.ISO.50.90.DCK16	50	58	3 ÷ 16	90

**DIN 2080 - ISO 40/50**

AT2

42 HRC

ROHLINGE
MANDRINI A STELLO TENERO LAVORABILE
BLANK ADAPTORS



BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.ISO.40.250.D63BL	40	63	250

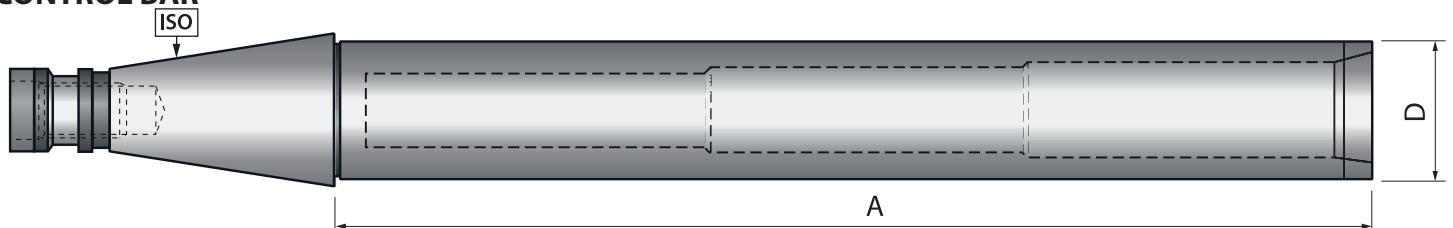
BESTELL.-NR. ARTICOLO ORDER NR.	SK	D	A
RK.ISO.50.315.D97BL	50	97	315

**DIN 2080 - ISO 40/50**

AT2

CERTIFICATE

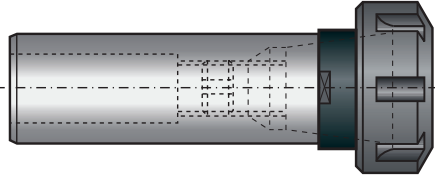
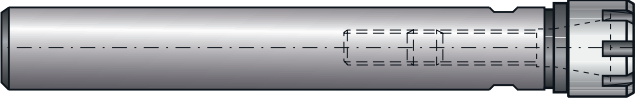
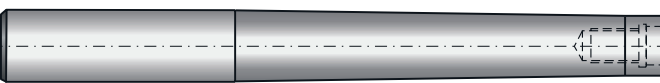
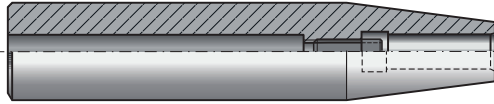
KONTROL DORNE
SPINE DI CONTROLLO
CONTROL BAR



BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.ISO.40.300.D40	40	40	300

BESTELL.-NR. ARTICOLO ORDER NR.	SK	A	D
RK.ISO.50.300.D50	50	50	300


RK-

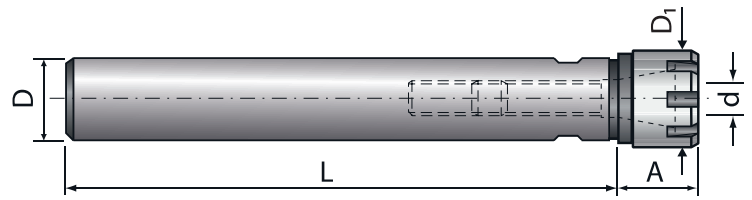
FRÄSPANNFUTTER FÜR ER SPANNZANGEN MANDRINI PORTAPINZE PER PINZE ER COLLET CHUCKS FOR ER COLLETS		14-3
FRÄSPANNFUTTER MINI FÜR ER SPANNZANGEN MANDRINI PORTAPINZA MINI PER PINZE ER MINI COLLET CHUCKS FOR ER COLLETS		14-2
WERKZEUGHALTER FÜR SCHRAUBFRÄSER MANDRINI PER FRESE FILETTATE TOOLHOLDERS FOR SCREWED MILLING CUTTERS		14-4
SCHRUMPFHALTER STANDARD MANDRINI CALETTAMENTO STANDARD SHRINK FIT HOLDERS STANDARD		14-5



DIN 835

FRÄSERSPANNFUTTER MINI FÜR ER SPANNZANGEN
MANDRINI PORTAPINZA MINI PER PINZE ER
MINI COLLET CHUCKS FOR ER COLLETS

AUCH MIT FLACHER AUSFÜHRUNG ERHÄLTlich
FORNIBILI ANCHE CON PIANO
ALSO AVAILABLE WITH FLAT EXECUTION



BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D5.30.ER8M	1 ÷ 5	25	12	5	30
RK.D5.45.ER8M	1 ÷ 5	25	12	5	45
RK.D6.30.ER8M	1 ÷ 5	25	12	6	30
RK.D6.45.ER8M	1 ÷ 5	25	12	6	45
RK.D7.45.ER8M	1 ÷ 5	25	12	7	45
RK.D8.55.ER8M	1 ÷ 5	25	12	8	55
RK.D8.80.ER8M	1 ÷ 5	25	12	8	80
RK.D8.100.ER8M	1 ÷ 5	25	12	8	100
RK.D8.130.ER8M	1 ÷ 5	25	12	8	130
RK.D10.80.ER8M	1 ÷ 5	25	12	10	80
RK.D10.100.ER8M	1 ÷ 5	19	12	10	100
RK.D12.80.ER8M	1 ÷ 5	19	12	12	80
RK.D12.100.ER8M	1 ÷ 5	19	12	12	100
RK.D12.130.ER8M	1 ÷ 5	19	12	12	130
RK.D12.160.ER8M	1 ÷ 5	19	12	12	160
RK.D12.200.ER8M	1 ÷ 5	19	12	12	200

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D10.80.ER16M	1 ÷ 10	38	22	10	80
RK.D12.80.ER16M	1 ÷ 10	38	22	12	80
RK.D16.35.ER16M	1 ÷ 10	38	22	16	35
RK.D16.80.ER16M	1 ÷ 10	38	22	16	80
RK.D16.100.ER16M	1 ÷ 10	38	22	16	100
RK.D16.130.ER16M	1 ÷ 10	38	22	16	130
RK.D16.160.ER16M	1 ÷ 10	38	22	16	160
RK.D16.200.ER16M	1 ÷ 10	38	22	16	200
RK.D20.60.ER16M	1 ÷ 10	31	22	20	60
RK.D20.100.ER16M	1 ÷ 10	31	22	20	100
RK.D20.130.ER16M	1 ÷ 10	31	22	20	130
RK.D20.160.ER16M	1 ÷ 10	31	22	20	160
RK.D20.200.ER16M	1 ÷ 10	31	22	20	200
RK.D20.270.ER16M	1 ÷ 10	31	22	20	270
RK.D20.300.ER16M	1 ÷ 10	31	22	20	300
RK.D22.80.ER16M	1 ÷ 10	28	22	22	80
RK.D25.60.ER16M	1 ÷ 10	28	22	25	60
RK.D25.100.ER16M	1 ÷ 10	28	22	25	100
RK.D25.130.ER16M	1 ÷ 10	28	22	25	130
RK.D25.160.ER16M	1 ÷ 10	28	22	25	160
RK.D32.90.ER16M	1 ÷ 10	28	22	32	90
RK.D16.35.ER16	1 ÷ 10	38	32	16	35
RK.D16.60.ER16	1 ÷ 10	38	32	16	60
RK.D16.160.ER16	1 ÷ 10	38	32	16	160
RK.D20.50.ER16	1 ÷ 10	31	32	20	50
RK.D20.60.ER16	1 ÷ 10	31	32	20	60
RK.D20.100.ER16	1 ÷ 10	31	32	20	100
RK.D20.160.ER16	1 ÷ 10	31	32	20	160
RK.D20.200.ER16	1 ÷ 10	31	32	20	200

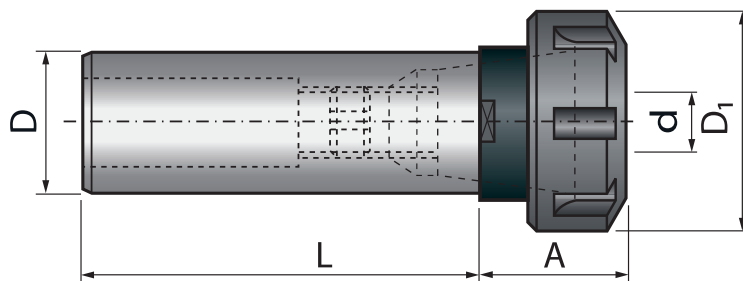
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RK.D6.45.ER11M	1 ÷ 7	37	16	6	45
RK.D7.45.ER11M	1 ÷ 7	37	16	7	45
RK.D8.55.ER11M	1 ÷ 7	26	16	8	55
RK.D10.60.ER11M	1 ÷ 7	26	16	10	60
RK.D10.100.ER11M	1 ÷ 7	26	16	10	100
RK.D12.70.ER11M	1 ÷ 7	26	16	12	70
RK.D12.100.ER11M	1 ÷ 7	26	16	12	100
RK.D12.140.ER11M	1 ÷ 7	26	16	12	140
RK.D16.40.ER11M	1 ÷ 7	19	16	16	40
RK.D16.60.ER11M	1 ÷ 7	19	16	16	60
RK.D16.100.ER11M	1 ÷ 7	19	16	16	100
RK.D16.130.ER11M	1 ÷ 7	19	16	16	130
RK.D16.160.ER11M	1 ÷ 7	19	16	16	160
RK.D.16.200.ER11M	1 ÷ 7	19	16	16	200
RK.D.16.250.ER11M	1 ÷ 7	19	16	16	250
RK.D16.300.ER11M	1 ÷ 7	19	16	16	300
RK.D20.70.ER11M	1 ÷ 7	19	16	20	70
RK.D20.100.ER11M	1 ÷ 7	19	16	20	100
RK.D20.130.ER11M	1 ÷ 7	19	16	20	130
RK.D20.160.ER11M	1 ÷ 7	19	16	20	160
RK.D25.100.ER11M	1 ÷ 7	19	16	25	100
RK.D25.160.ER11M	1 ÷ 7	19	16	25	160

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D16.100.ER20M	1 ÷ 13	42	28	16	100
RK.D16.130.ER20M	1 ÷ 13	42	28	16	130
RK.D16.160.ER20M	1 ÷ 13	42	28	16	160
RK.D20.46.ER20M	1 ÷ 13	36	28	20	46
RK.D20.60.ER20M	1 ÷ 13	36	28	20	60
RK.D20.100.ER20M	1 ÷ 13	36	28	20	100
RK.D20.130.ER20M	1 ÷ 13	36	28	20	130
RK.D20.160.ER20M	1 ÷ 13	36	28	20	160
RK.D20.200.ER20M	1 ÷ 13	36	28	20	200
RK.D25.60.ER20M	1 ÷ 13	28	28	25	60
RK.D25.130.ER20M	1 ÷ 13	28	28	25	130
RK.D25.160.ER20M	1 ÷ 13	28	28	25	160
RK.D25.240.ER20M	1 ÷ 13	28	28	25	240
RK.D25.300.ER20M	1 ÷ 13	28	28	25	300
RK.D32.95.ER20M	1 ÷ 13	28	28	32	95

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D20.46.ER25M	1 ÷ 16	46	35	20	46
RK.D20.60.ER25M	1 ÷ 16	46	35	20	60
RK.D20.100.ER25M	1 ÷ 16	46	35	20	100
RK.D20.130.ER25M	1 ÷ 16	46	35	20	130
RK.D20.160.ER25M	1 ÷ 16	46	35	20	160
RK.D20.200.ER25M	1 ÷ 16	46	35	20	200
RK.D25.70.ER25M	1 ÷ 16	40	35	25	70
RK.D25.100.ER25M	1 ÷ 16	40	35	25	100
RK.D25.130.ER25M	1 ÷ 16	40	35	25	130
RK.D25.160.ER25M	1 ÷ 16	40	35	25	160
RK.D25.260.ER25M	1 ÷ 16	40	35	25	260



FRÄSERSPANNFUTTER FÜR ER SPANNZANGEN
MANDRINI PORTAPINZA PER PINZE ER
COLLET CHUCKS FOR ER COLLETS



AUCH MIT FLACHER AUSFÜHRUNG ERHÄLTlich
FORNIBILI ANCHE CON PIANO
ALSO AVAILABLE WITH FLAT EXECUTION

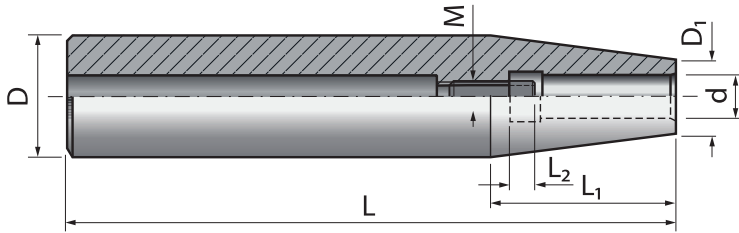
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RK.D16.35.ER16	1 ÷ 10	38	32	16	35
RK.D16.60.ER16	1 ÷ 10	38	32	16	60
RK.D16.160.ER16	1 ÷ 10	38	32	16	160
RK.D20.50.ER16	1 ÷ 10	31	32	20	50
RK.D20.60.ER16	1 ÷ 10	31	32	20	60
RK.D20.100.ER16	1 ÷ 10	31	32	20	100
RK.D20.160.ER16	1 ÷ 10	31	32	20	160
RK.D20.200.ER16	1 ÷ 10	31	32	20	200

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D20.50.ER32	2 ÷ 20	53	50	20	50
RK.D20.100.ER32	2 ÷ 20	53	50	20	100
RK.D20.130.ER32	2 ÷ 20	53	50	20	130
RK.D20.160.ER32	2 ÷ 20	53	50	20	160
RK.D25.50.ER32	2 ÷ 20	53	50	25	50
RK.D25.70.ER32	2 ÷ 20	53	50	25	70
RK.D25.100.ER32	2 ÷ 20	53	50	25	100
RK.D25.130.ER32	2 ÷ 20	53	50	25	130
RK.D25.160.ER32	2 ÷ 20	53	50	25	160
RK.D32.50.ER32	2 ÷ 20	48	50	32	50
RK.D32.70.ER32	2 ÷ 20	48	50	32	70
RK.D32.100.ER32	2 ÷ 20	48	50	32	100
RK.D32.130.ER32	2 ÷ 20	48	50	32	130
RK.D32.160.ER32	2 ÷ 20	48	50	32	160
RK.D40.80.ER32	2 ÷ 20	33	50	40	80
RK.D40.130.ER32	2 ÷ 20	33	50	40	130
RK.D40.160.ER32	2 ÷ 20	33	50	40	160
RK.D50.160.ER32	2 ÷ 20	33	50	50	160
RK.D60.160.ER32	2 ÷ 20	33	50	60	160

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D20.50.ER20	1 ÷ 13	36	35	20	50
RK.D20.60.ER20	1 ÷ 13	36	35	20	60
RK.D20.100.ER20	1 ÷ 13	36	35	20	100
RK.D20.130.ER20	1 ÷ 13	36	35	20	130
RK.D20.160.ER20	1 ÷ 13	36	35	20	160
RK.D20.200.ER20	1 ÷ 13	36	35	20	200
RK.D25.100.ER20	1 ÷ 13	28	35	25	100

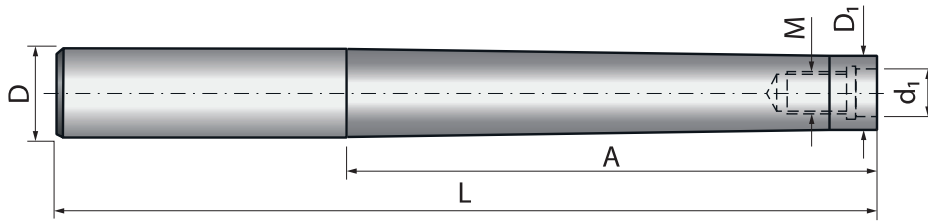
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RK.D20.50.ER25	1 ÷ 16	46	42	20	50
RK.D20.60.ER25	1 ÷ 16	46	42	20	60
RK.D20.100.ER25	1 ÷ 16	46	42	20	100
RK.D20.130.ER25	1 ÷ 16	46	42	20	130
RK.D20.160.ER25	1 ÷ 16	46	42	20	160
RK.D25.50.ER25	1 ÷ 16	40	42	25	50
RK.D25.70.ER25	1 ÷ 16	40	42	25	70
RK.D25.100.ER25	1 ÷ 16	40	42	25	100
RK.D25.130.ER25	1 ÷ 16	40	42	25	130
RK.D25.160.ER25	1 ÷ 16	40	42	25	160
RK.D32.80.ER25	1 ÷ 16	27	42	32	80
RK.D32.100.ER25	1 ÷ 16	27	42	32	100
RK.D40.80.ER25	1 ÷ 16	27	42	40	80

BESTELL.-NR. ARTICOLO ORDER NR.	d	A	D ₁	D	L
RK.D25.60.ER40	3 ÷ 30	60	63	25	60
RK.D25.100.ER40	3 ÷ 30	60	63	25	100
RK.D32.70.ER40	3 ÷ 30	60	63	32	70
RK.D32.100.ER40	3 ÷ 30	60	63	32	100
RK.D32.130.ER40	3 ÷ 30	60	63	32	130
RK.D40.80.ER40	3 ÷ 30	50	63	40	80
RK.D40.130.ER40	3 ÷ 30	50	63	40	130
RK.D40.160.ER40	3 ÷ 30	50	63	40	160
RK.D50.120.ER40	3 ÷ 30	35	63	50	120
RK.D50.160.ER40	3 ÷ 30	35	63	50	160
RK.D60.160.ER40	3 ÷ 30	35	63	60	160

ZYLINDRISCHE SCHRUMPFUTTER
PORTAUTENSILI CILINDRICI CALETTAMENTO A CALDO
CYLINDRICAL SHRINK FIT HOLDERS


BESTELL.-NR. ARTICOLO ORDER NR.	d	D ₁	D	L	L ₂	L ₁	M
RK.D12.150.CL3	3	8	12	150	-	12	M5
RK.D12.150.CL4	4	8	12	150	-	16	M5
RK.D16.150.CL3	3	10	16	150	-	12	M5
RK.D16.150.CL4	4	10	16	150	-	16	M5
RK.D16.150.CL5	5	10	16	150	-	20	M6
RK.D16.150.CL6	6	10	16	150	10	26	M5
RK.D20.150.CL3	3	10	20	150	-	12	M5
RK.D20.150.CL4	4	10	20	150	-	16	M5
RK.D20.150.CL5	5	10	20	150	-	20	M6
RK.D20.150.CL6	6	10	20	150	10	26	M5
RK.D20.150.CL8	8	12	20	150	10	26	M6
RK.D20.150.CL10	10	14	20	150	10	32	M6
RK.D20.150.CL12	12	16	20	150	10	37	M10
RK.D25.150.CL8	8	20	25	150	10	26	M6
RK.D25.150.CL10	10	20	25	150	10	32	M6
RK.D25.150.CL12	12	20	25	150	10	37	M10
RK.D25.150.CL14	14	20	25	150	10	37	M10
RK.D25.150.CL16	16	22	25	150	10	40	M10
RK.D32.150.CL10	10	24	32	150	10	32	M6
RK.D32.150.CL12	12	24	32	150	10	37	M10
RK.D32.150.CL14	14	27	32	150	10	37	M10
RK.D32.150.CL16	16	27	32	150	10	40	M10
RK.D32.150.CL18	18	27	32	150	10	40	M10
RK.D32.150.CL20	20	27	32	150	10	42	M10

VERLÄNGERUNGEN FÜR SCHRAUBFRÄSER
PROLUNGHE PER FRESE FILETTATE
EXTENTIONS FOR SCREWED MILLING CUTTERS



BESTELL.-NR. ARTICOLO ORDER NR.	A	M	d ₁	D ₁	D	L
RK.D12.65.M5CPY	20	M5	5,5	10	12	65
RK.D20.75.M6CPY	25	M6	6,5	10	20	75
RK.D20.100.M6CPY	50	M6	6,5	10	20	100
RK.D20.125.M6CPY	75	M6	6,5	10	20	125
RK.D16.88.M8CPY	40	M8	8,5	12,8	16	88
RK.D20.75.M8CPY	25	M8	8,5	12,8	20	75
RK.D20.100.M8CPY	50	M8	8,5	12,8	20	100
RK.D20.125.M8CPY	75	M8	8,5	12,8	20	125
RK.D20.150.M8CPY	100	M8	8,5	12,8	20	150
RK.D20.75.M10CPY	25	M10	10,5	17,8	20	75
RK.D20.80.M10CPY	25	M10	10,5	17,8	20	80
RK.D20.100.M10CPY	50	M10	10,5	17,8	20	100
RK.D20.125.M10CPY	75	M10	10,5	17,8	20	125
RK.D20.150.M10CPY	100	M10	10,5	17,8	20	150
RK.D25.81.M12CPY	25	M12	12,5	20,8	25	81
RK.D25.101.M12CPY	50	M12	12,5	20,8	25	101
RK.D25.131.M12CPY	75	M12	12,5	20,8	25	131
RK.D25.170.M12CPY	100	M12	12,5	20,8	25	170
RK.D25.181.M12CPY	125	M12	12,5	20,8	25	181
RK.D32.170.M12CPY	100	M12	17	28,8	32	170
RK.D32.85.M16CPY	25	M16	17	28,8	32	85
RK.D32.105.M16CPY	50	M16	17	28,8	32	105
RK.D32.135.M16CPY	75	M16	17	28,8	32	135
RK.D32.185.M16CPY	125	M16	17	28,8	32	185



SPANNANGEN PINZE COLLETS





**INHALT
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RK-

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SPANNZANGEN DIN 6499

PINZE DIN 6499

COLLETS DIN 6499



MEGA PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,002$

ULTRA PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,005$

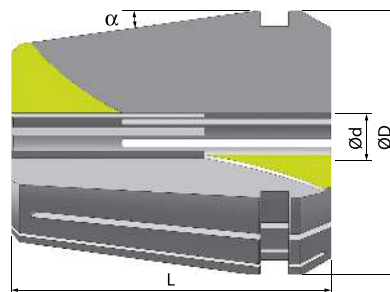
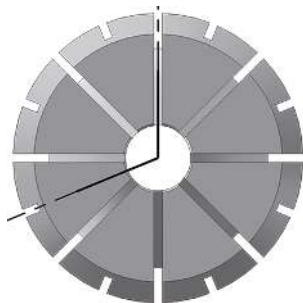
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,015$

DIN 6499 - ER

ER - METRISCHE SPANNZANGEN
 ER - PINZE DI SERRAGGIO METRICHE
 ER - METRIC COLLETS



ER 8 - BESTELL.-NR. - ARTICOLO - ORDER NR.			ø d	CLAMPING RANGE	ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.8.1			1	1 ÷ 0,5	8,5	13,5	8°
RK.ERX.8.1.5			1,5	1,5 ÷ 1	8,5	13,5	8°
RK.ERX.8.2			2	2 ÷ 1,5	8,5	13,5	8°
RK.ERX.8.2.5			2,5	2,5 ÷ 2	8,5	13,5	8°
RK.ERX.8.3			3	3 ÷ 2,5	8,5	13,5	8°
RK.ERX.8.3.5			3,5	3,5 ÷ 3	8,5	13,5	8°
RK.ERX.8.4			4	4 ÷ 3,5	8,5	13,5	8°
RK.ERX.8.4.5			4,5	4,5 ÷ 4	8,5	13,5	8°
RK.ERX.8.5			5	5 ÷ 4,5	8,5	13,5	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 8 KIT - SPANNZANGEN SATZ - SERIE DI PINZE			Nr. Pieces	ø D	Notes
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002			
RK-R-ERX08-9			9	1-1,5-2-2,5-3-3,5-4-4,5-5	



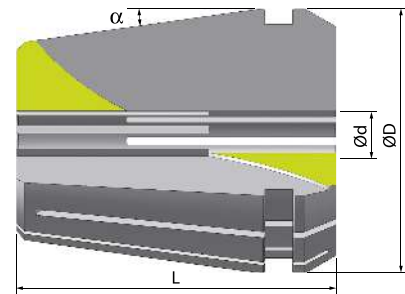
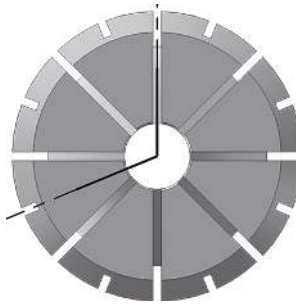
ER 11 - BESTELL.-NR. - ARTICOLO - ORDER NR.			ø d	CLAMPING RANGE	ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.11.1	RK.ERX.11.UP.1		1	1 ÷ 0,5	11,5	18	8°
RK.ERX.11.1.5	RK.ERX.11.UP.1.5		1,5	1,5 ÷ 1	11,5	18	8°
RK.ERX.11.2	RK.ERX.11.UP.2		2	2 ÷ 1,5	11,5	18	8°
RK.ERX.11.2.5	RK.ERX.11.UP.2.5		2,5	2,5 ÷ 2	11,5	18	8°
RK.ERX.11.3	RK.ERX.11.UP.3		3	3 ÷ 2,5	11,5	18	8°
RK.ERX.11.3.5	RK.ERX.11.UP.3.5		3,5	3,5 ÷ 3	11,5	18	8°
RK.ERX.11.4	RK.ERX.11.UP.4		4	4 ÷ 3,5	11,5	18	8°
RK.ERX.11.4.5	RK.ERX.11.UP.4.5		4,5	4,5 ÷ 4	11,5	18	8°
RK.ERX.11.5	RK.ERX.11.UP.5		5	5 ÷ 4,5	11,5	18	8°
RK.ERX.11.5.5	RK.ERX.11.UP.5.5		5,5	5,5 ÷ 5	11,5	18	8°
RK.ERX.11.6	RK.ERX.11.UP.6		6	6 ÷ 5,5	11,5	18	8°
RK.ERX.11.6.5	RK.ERX.11.UP.6.5		6,5	6,5 ÷ 6	11,5	18	8°
RK.ERX.11.7	RK.ERX.11.UP.7		7	7 ÷ 6,5	11,5	18	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 11 KIT - SPANNZANGEN SATZ - SERIE DI PINZE			Nr. Pieces	ø D	Notes
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002			
RK-R-ERX11-13	R-ERX11UP-13		13	1-1,5-2-2,5-3-3,5-4-4,5-5-5,5-6-6,5-7	



DIN 6499 - ER

ER - METRISCHE SPANNZANGEN
 ER - PINZE DI SERRAGGIO METRICHE
 ER - METRIC COLLETS



ER 16 - BESTELL.-NR. - ARTICOLO - ORDER NR.			∅ d	CLAMPING RANGE	∅ D	L	α
STANDARD ≤ 0,015	ULTRA ≤ 0,005	MEGA ≤ 0,002					
RK.ERX.16.1	RK.ERX.16.UP.1		1	1 ÷ 0,5	17	27,5	8°
RK.ERX.16.1.5	RK.ERX.16.UP.1.5		1,5	1,5 ÷ 1	17	27,5	8°
RK.ERX.16.2	RK.ERX.16.UP.2		2	2 ÷ 1	17	27,5	8°
RK.ERX.16.2.5	RK.ERX.16.UP.2.5		2,5	2,5 ÷ 2	17	27,5	8°
RK.ERX.16.3	RK.ERX.16.UP.3		3	3 ÷ 2	17	27,5	8°
RK.ERX.16.3.5	RK.ERX.16.UP.3.5		3,5	3,5 ÷ 2,5	17	27,5	8°
RK.ERX.16.4	RK.ERX.16.UP.4		4	4 ÷ 3	17	27,5	8°
RK.ERX.16.4.5	RK.ERX.16.UP.4.5		4,5	4,5 ÷ 3,5	17	27,5	8°
RK.ERX.16.5	RK.ERX.16.UP.5		5	5 ÷ 4	17	27,5	8°
RK.ERX.16.5.5	RK.ERX.16.UP.5.5		5,5	5,5 ÷ 4,5	17	27,5	8°
RK.ERX.16.6	RK.ERX.16.UP.6		6	6 ÷ 5	17	27,5	8°
RK.ERX.16.6.5	RK.ERX.16.UP.6.5		6,5	6,5 ÷ 5,5	17	27,5	8°
RK.ERX.16.7	RK.ERX.16.UP.7		7	7 ÷ 6	17	27,5	8°
RK.ERX.16.7.5	RK.ERX.16.UP.7.5		7,5	7,5 ÷ 6,5	17	27,5	8°
RK.ERX.16.8	RK.ERX.16.UP.8		8	8 ÷ 7	17	27,5	8°
RK.ERX.16.8.5	RK.ERX.16.UP.8.5		8,5	8,5 ÷ 7,5	17	27,5	8°
RK.ERX.16.9	RK.ERX.16.UP.9		9	9 ÷ 8	17	27,5	8°
RK.ERX.16.9.5	RK.ERX.16.UP.9.5		9,5	9,5 ÷ 8,5	17	27,5	8°
RK.ERX.16.10	RK.ERX.16.UP.10		10	10 ÷ 9	17	27,5	8°
RK.ERX.16.12			12	12 ÷ 11	17	27,5	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 16 KIT - SPANNZANGEN SATZ - SERIE DI PINZE						
STANDARD ≤ 0,015	ULTRA ≤ 0,005	MEGA ≤ 0,002	Nr. Pieces	∅ D	Notes	
RK-R-ERX16-8	RK-R-ERX16UP-8		8	3-4-5-6-7-8-9-10	Fig.1	
RK-B-ERX16-8	RK-B-ERX16UP-8		8	3-4-6-7-8-9-10	Fig.2	
RK-R-ERX16-10	RK-R-ERX16UP-10		10	1-2-3-4-5-6-7-8-9-10	Fig.1	
RK-B-ERX16-10	RK-B-ERX16UP-10		10	1-2-3-4-5-6-7-8-9-10	Fig.2	
RK-R-ERX16-12	RK-R-ERX16UP-12		12	1-1,5-2-2,5-3-4-5-6-7-8-9-10	Fig.1	
RK-B-ERX16-12	RK-B-ERX16UP-12		12	1-1,5-2-2,5-3-4-5-6-7-8-9-10	Fig.	



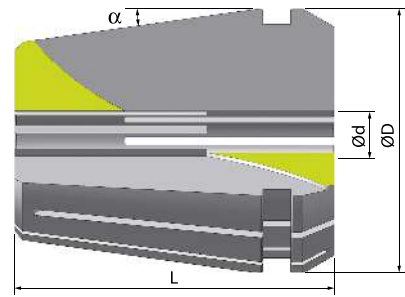
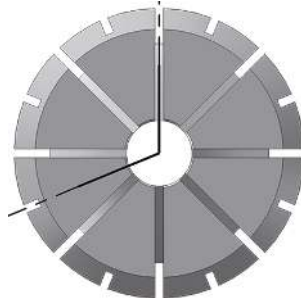
Fig. 1



Fig. 2

DIN 6499 - ER

ER - METRISCHE SPANNZANGEN
ER - PINZE DI SERRAGGIO METRICHE
ER - METRIC COLLETS



ER 20 - BESTELL.-NR. - ARTICOLO - ORDER NR.			Ø d	CLAMPING RANGE	Ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.20.1	RK.ERX.20.UP.1		1	1 ÷ 0,5	21	31,5	8°
RK.ERX.20.1.5	RK.ERX.20.UP.1.5		1,5	1,5 ÷ 1	21	31,5	8°
RK.ERX.20.2	RK.ERX.20.UP.2		2	2 ÷ 1,5	21	31,5	8°
RK.ERX.20.2.5	RK.ERX.20.UP.2.5		2,5	2,5 ÷ 2	21	31,5	8°
RK.ERX.20.3	RK.ERX.20.UP.3		3	3 ÷ 2	21	31,5	8°
RK.ERX.20.3.5	RK.ERX.20.UP.3.5		3,5	3,5 ÷ 2,5	21	31,5	8°
RK.ERX.20.4	RK.ERX.20.UP.4		4	4 ÷ 3	21	31,5	8°
RK.ERX.20.4.5	RK.ERX.20.UP.4.5		4,5	4,5 ÷ 3,5	21	31,5	8°
RK.ERX.20.5	RK.ERX.20.UP.5		5	5 ÷ 4	21	31,5	8°
RK.ERX.20.5.5	RK.ERX.20.UP.5.5		5,5	5,5 ÷ 4,5	21	31,5	8°
RK.ERX.20.6	RK.ERX.20.UP.6		6	6 ÷ 5	21	31,5	8°
RK.ERX.20.6.5	RK.ERX.20.UP.6.5		6,5	6,5 ÷ 5,5	21	31,5	8°
RK.ERX.20.7	RK.ERX.20.UP.7		7	7 ÷ 6	21	31,5	8°
RK.ERX.20.7.5	RK.ERX.20.UP.7.5		7,5	7,5 ÷ 6,5	21	31,5	8°
RK.ERX.20.8	RK.ERX.20.UP.8		8	8 ÷ 7	21	31,5	8°
RK.ERX.20.8.5	RK.ERX.20.UP.8.5		8,5	8,5 ÷ 7,5	21	31,5	8°
RK.ERX.20.9	RK.ERX.20.UP.9		9	9 ÷ 8	21	31,5	8°
RK.ERX.20.9.5	RK.ERX.20.UP.9.5		9,5	9,5 ÷ 8,5	21	31,5	8°
RK.ERX.20.10	RK.ERX.20.UP.10		10	10 ÷ 9	21	31,5	8°
RK.ERX.20.10.5	RK.ERX.20.UP.10.5		10,5	10,5 ÷ 9,5	21	31,5	8°
RK.ERX.20.11	RK.ERX.20.UP.11		11	11 ÷ 10	21	31,5	8°
RK.ERX.20.11.5	RK.ERX.20.UP.11.5		11,5	11,5 ÷ 10,5	21	31,5	8°
RK.ERX.20.12	RK.ERX.20.UP.12		12	12 ÷ 11	21	31,5	8°
RK.ERX.20.12.5	RK.ERX.20.UP.12.5		12,5	12,5 ÷ 11,5	21	31,5	8°
RK.ERX.20.13	RK.ERX.20.UP.13		13	13 ÷ 12	21	31,5	8°
RK.ERX.20.14			14	14 ÷ 13,5	21	31,5	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 20 KIT - SPANNZANGEN SATZ - SERIE DI PINZE					
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002	Nr. Pieces	Ø D	Notes
RK-R-ERX20-11	RK-R-ERX20UP-11				
RK-B-ERX20-11	RK-B-ERX20UP-11		11	3-4-5-6-7-8-9-10-11-12-13	Fig.2
RK-R-ERX20-12	RK-R-ERX20UP-12		12	2-3-4-5-6-7-8-9-10-11-12-13	Fig.1
RK-B-ERX20-12	RK-B-ERX20UP-12		12	2-3-4-5-6-7-8-9-10-11-12-13	Fig.2
RK-R-ERX20-13	RK-R-ERX20UP-13		13	1-2-3-4-5-6-7-8-9-10-11-12-13	Fig.1
RK-B-ERX20-13	RK-B-ERX20UP-13		13	1-2-3-4-5-6-7-8-9-10-11-12-13	Fig.2
RK-R-ERX20-15	RK-R-ERX20UP-15		15	1-1,5-2-2,5-3-4-5-6-7-8-9-10-11-12-13	Fig.1
RK-B-ERX20-15	RK-B-ERX20UP-15		15	1-1,5-2-2,5-3-4-5-6-7-8-9-10-11-12-13	Fig.2



Fig. 1

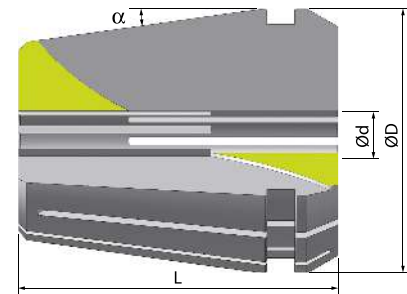
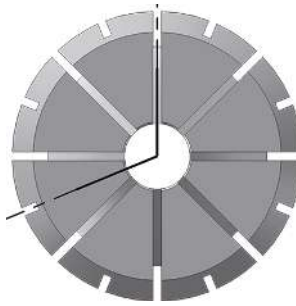


Fig. 2



DIN 6499 - ER

ER - METRISCHE SPANNZANGEN
 ER - PINZE DI SERRAGGIO METRICHE
 ER - METRIC COLLETS



ER 25 - BESTELL.-NR. - ARTICOLO - ORDER NR.			Ø d	CLAMPING RANGE	Ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.25.1	RK.ERX.25.UP.1		1	1 ÷ 0,5	26	34	8°
RK.ERX.25.1.5	RK.ERX.25.UP.1.5		1,5	1,5 ÷ 1	26	34	8°
RK.ERX.25.2	RK.ERX.25.UP.2		2	2 ÷ 1,5	26	34	8°
RK.ERX.25.2.5	RK.ERX.25.UP.2.5		2,5	2,5 ÷ 2	26	34	8°
RK.ERX.25.3	RK.ERX.25.UP.3	RK.ERX.25.MP.3	3	3 ÷ 2	26	34	8°
RK.ERX.25.3.5	RK.ERX.25.UP.3.5		3,5	3,5 ÷ 2,5	26	34	8°
RK.ERX.25.4	RK.ERX.25.UP.4	RK.ERX.25.MP.4	4	4 ÷ 3	26	34	8°
RK.ERX.25.4.5	RK.ERX.25.UP.4.5		4,5	4,5 ÷ 3,5	26	34	8°
RK.ERX.25.5	RK.ERX.25.UP.5	RK.ERX.25.MP.5	5	5 ÷ 4	26	34	8°
RK.ERX.25.5.5	RK.ERX.25.UP.5.5		5,5	5,5 ÷ 4,5	26	34	8°
RK.ERX.25.6	RK.ERX.25.UP.6	RK.ERX.25.MP.6	6	6 ÷ 5	26	34	8°
RK.ERX.25.6.5	RK.ERX.25.UP.6.5		6,5	6,5 ÷ 5,5	26	34	8°
RK.ERX.25.7	RK.ERX.25.UP.7	RK.ERX.25.MP.7	7	7 ÷ 6	26	34	8°
RK.ERX.25.7.5	RK.ERX.25.UP.7.5		7,5	7,5 ÷ 6,5	26	34	8°
RK.ERX.25.8	RK.ERX.25.UP.8	RK.ERX.25.MP.8	8	8 ÷ 7	26	34	8°
RK.ERX.25.8.5	RK.ERX.25.UP.8.5		8,5	8,5 ÷ 7,5	26	34	8°
RK.ERX.25.9	RK.ERX.25.UP.9	RK.ERX.25.MP.9	9	9 ÷ 8	26	34	8°
RK.ERX.25.9.5	RK.ERX.25.UP.9.5		9,5	9,5 ÷ 8,5	26	34	8°
RK.ERX.25.10	RK.ERX.25.UP.10	RK.ERX.25.MP.10	10	10 ÷ 9	26	34	8°
RK.ERX.25.10.5	RK.ERX.25.UP.10.5		10,5	10,5 ÷ 9,5	26	34	8°
RK.ERX.25.11	RK.ERX.25.UP.11	RK.ERX.25.MP.11	11	11 ÷ 10	26	34	8°
RK.ERX.25.11.5	RK.ERX.25.UP.11.5		11,5	11,5 ÷ 10,5	26	34	8°
RK.ERX.25.12	RK.ERX.25.UP.12	RK.ERX.25.MP.12	12	12 ÷ 11	26	34	8°
RK.ERX.25.12.5	RK.ERX.25.UP.12.5		12,5	12,5 ÷ 11,5	26	34	8°
RK.ERX.25.13	RK.ERX.25.UP.13	RK.ERX.25.MP.13	13	13 ÷ 12	26	34	8°
RK.ERX.25.13.5	RK.ERX.25.UP.13.5		13,5	13,5 ÷ 12,5	26	34	8°
RK.ERX.25.14	RK.ERX.25.UP.14	RK.ERX.25.MP.14	14	14 ÷ 13	26	34	8°
RK.ERX.25.14.5	RK.ERX.25.UP.14.5		14,5	14,5 ÷ 13,5	26	34	8°
RK.ERX.25.15	RK.ERX.25.UP.15	RK.ERX.25.MP.15	15	15 ÷ 14	26	34	8°
RK.ERX.25.15.5	RK.ERX.25.UP.15.5		15,5	15,5 ÷ 14,5	26	34	8°
RK.ERX.25.16	RK.ERX.25.UP.16	RK.ERX.25.MP.16	16	16 ÷ 15	26	34	8°
RK.ERX.25.16.5			16,5	16,5 ÷ 15,5	26	34	8°
RK.ERX.25.17			17	17 ÷ 16	26	34	8°
RK.ERX.25.17.5			17,5	17,5 ÷ 16,5	26	34	8°
RK.ERX.25.18			18	18 ÷ 17	26	34	8°
RK.ERX.25.19			19	19 ÷ 18,5	26	34	8°
RK.ERX.25.20			20	20 ÷ 19,5	26	34	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 25 KIT - SPANNZANGEN SATZ - SERIE DI PINZE						
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002	Nr. Pieces	Ø D	Notes	
RK-R-ERX25-14	RKRK-R-ERX25UP-14	RK-RK-R-ERX25MP-14				14
RK-B-ERX25-14	RKRK-B-ERX25UP-14	RK-RK-B-ERX25MP-14	14	3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.2	
RK-R-ERX25-15	RKRK-R-ERX25UP-15		15	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.1	
RK-B-ERX25-15	RKRK-B-ERX25UP-15		15	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.2	
RK-R-ERX25-16	RKRK-R-ERX25UP-16		16	2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.1	
RK-B-ERX25-16	RKRK-B-ERX25UP-16		16	2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.2	
RK-R-ERX25-18	RKRK-R-ERX25UP-18		18	1-1,5-2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.1	
RK-B-ERX25-18	RKRK-B-ERX25UP-18		18	1-1,5-2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig.2	



Fig. 1



Fig. 2

ER 32 - BESTELL.-NR. - ARTICOLO - ORDER NR.			Ø d	CLAMPING RANGE	Ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.32.2	RK.ERX.32.UP.2		2	2 ÷ 1,5	33	40	8°
RK.ERX.32.2.5	RK.ERX.32.UP.2.5		2,5	2,5 ÷ 2	33	40	8°
RK.ERX.32.3	RK.ERX.32.UP.3	RK.ERX.32.MP.3	3	3 ÷ 2	33	40	8°
RK.ERX.32.3.5	RK.ERX.32.UP.3.5		3,5	3,5 ÷ 3	33	40	8°
RK.ERX.32.4	RK.ERX.32.UP.4	RK.ERX.32.MP.4	4	4 ÷ 3	33	40	8°
RK.ERX.32.4.5	RK.ERX.32.UP.4.5		4,5	4,5 ÷ 3,5	33	40	8°
RK.ERX.32.5	RK.ERX.32.UP.5	RK.ERX.32.MP.5	5	5 ÷ 4	33	40	8°
RK.ERX.32.5.5	RK.ERX.32.UP.5.5		5,5	5,5 ÷ 4,5	33	40	8°
RK.ERX.32.6	RK.ERX.32.UP.6	RK.ERX.32.MP.6	6	6 ÷ 5	33	40	8°
RK.ERX.32.6.5	RK.ERX.32.UP.6.5		6,5	6,5 ÷ 5,5	33	40	8°
RK.ERX.32.7	RK.ERX.32.UP.7	RK.ERX.32.MP.7	7	7 ÷ 6	33	40	8°
RK.ERX.32.7.5	RK.ERX.32.UP.7.5		7,5	7,5 ÷ 6,5	33	40	8°
RK.ERX.32.8	RK.ERX.32.UP.8	RK.ERX.32.MP.8	8	8 ÷ 7	33	40	8°
RK.ERX.32.8.5	RK.ERX.32.UP.8.5		8,5	8,5 ÷ 7,5	33	40	8°
RK.ERX.32.9	RK.ERX.32.UP.9	RK.ERX.32.MP.9	9	9 ÷ 8	33	40	8°
RK.ERX.32.9.5	RK.ERX.32.UP.9.5		9,5	9,5 ÷ 8,5	33	40	8°
RK.ERX.32.10	RK.ERX.32.UP.10	RK.ERX.32.MP.10	10	10 ÷ 9	33	40	8°
RK.ERX.32.10.5	RK.ERX.32.UP.10.5		10,5	10,5 ÷ 9,5	33	40	8°
RK.ERX.32.11	RK.ERX.32.UP.11	RK.ERX.32.MP.11	11	11 ÷ 10	33	40	8°
RK.ERX.32.11.5	RK.ERX.32.UP.11.5		11,5	11,5 ÷ 10,5	33	40	8°
RK.ERX.32.12	RK.ERX.32.UP.12	RK.ERX.32.MP.12	12	12 ÷ 11	33	40	8°
RK.ERX.32.12.5	RK.ERX.32.UP.12.5		12,5	12,5 ÷ 11,5	33	40	8°
RK.ERX.32.13	RK.ERX.32.UP.13	RK.ERX.32.MP.13	13	13 ÷ 12	33	40	8°
RK.ERX.32.13.5	RK.ERX.32.UP.13.5		13,5	13,5 ÷ 12,5	33	40	8°
RK.ERX.32.14	RK.ERX.32.UP.14	RK.ERX.32.MP.14	14	14 ÷ 13	33	40	8°
RK.ERX.32.14.5	RK.ERX.32.UP.14.5		14,5	14,5 ÷ 13,5	33	40	8°
RK.ERX.32.15	RK.ERX.32.UP.15	RK.ERX.32.MP.15	15	15 ÷ 14	33	40	8°
RK.ERX.32.15.5	RK.ERX.32.UP.15.5		15,5	15,5 ÷ 14,5	33	40	8°
RK.ERX.32.16	RK.ERX.32.UP.16	RK.ERX.32.MP.16	16	16 ÷ 15	33	40	8°
RK.ERX.32.16.5	RK.ERX.32.UP.16.5		16,5	16,5 ÷ 15,5	33	40	8°
RK.ERX.32.17	RK.ERX.32.UP.17	RK.ERX.32.MP.17	17	17 ÷ 16	33	40	8°
RK.ERX.32.17.5	RK.ERX.32.UP.17.5		17,5	17,5 ÷ 16,5	33	40	8°
RK.ERX.32.18	RK.ERX.32.UP.18	RK.ERX.32.MP.18	18	18 ÷ 17	33	40	8°
RK.ERX.32.18.5	RK.ERX.32.UP.18.5		18,5	18,5 ÷ 17,5	33	40	8°
RK.ERX.32.19	RK.ERX.32.UP.19	RK.ERX.32.MP.19	19	19 ÷ 18	33	40	8°
RK.ERX.32.19.5	RK.ERX.32.UP.19.5		19,5	19,5 ÷ 18,5	33	40	8°
RK.ERX.32.20	RK.ERX.32.UP.20	RK.ERX.32.MP.20	20	20 ÷ 19	33	40	8°
RK.ERX.32.21			21	21 ÷ 20	33	40	8°
RK.ERX.32.22			22	22 ÷ 21	33	40	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 32 KIT - SPANNZANGEN SATZ - SERIE DI PINZE						
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002	Nr. Pieces	Ø D	Notes	
RK-R-ERX32-18	RK-R-ERX32UP-18	RK-R-ERX32MP-18				
RK-B-ERX32-18	RK-B-ERX32UP-18	RK-B-ERX32MP-18	18	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-16-17-18-19-20	Fig.2	
RK-R-ERX32-20	RK-R-ERX32UP-20		20	2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-	Fig.1	
RK-B-ERX32-20	RK-B-ERX32UP-20		20	2-2,5-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	Fig.2	



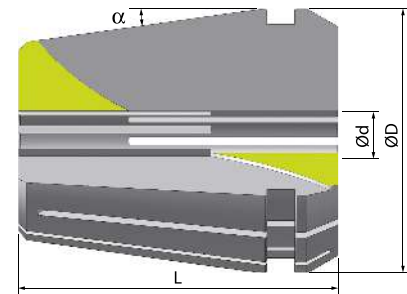
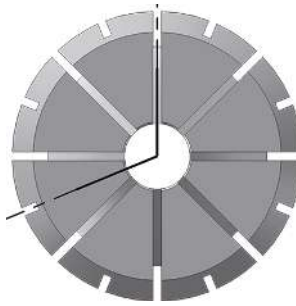
Fig. 1



Fig. 2

DIN 6499 - ER

ER - METRISCHE SPANNZANGEN
 ER - PINZE DI SERRAGGIO METRICHE
 ER - METRIC COLLETS



ER 40 - BESTELL.-NR. - ARTICOLO - ORDER NR.			Ø d	CLAMPING RANGE	Ø D	L	α
STANDARD ↗ ≤ 0,015	ULTRA ↗ ≤ 0,005	MEGA ↗ ≤ 0,002					
RK.ERX.40.3	RK.ERX.40.UP.3	RK.ERX.40.MP.3	3	3 ÷ 2	41	46	8°
RK.ERX.40.3.5	RK.ERX.40.UP.3.5		3,5	3,5 ÷ 3	41	46	8°
RK.ERX.40.4	RK.ERX.40.UP.4	RK.ERX.40.MP.4	4	4 ÷ 3	41	46	8°
RK.ERX.40.4.5	RK.ERX.40.UP.4.5		4,5	4,5 ÷ 3,5	41	46	8°
RK.ERX.40.5	RK.ERX.40.UP.5	RK.ERX.40.MP.5	5	5 ÷ 4	41	46	8°
RK.ERX.40.5.5	RK.ERX.40.UP.5.5		5,5	5,5 ÷ 4,5	41	46	8°
RK.ERX.40.6	RK.ERX.40.UP.6	RK.ERX.40.MP.6	6	6 ÷ 5	41	46	8°
RK.ERX.40.6.5	RK.ERX.40.UP.6.5		6,5	6,5 ÷ 5,5	41	46	8°
RK.ERX.40.7	RK.ERX.40.UP.7	RK.ERX.40.MP.7	7	7 ÷ 6	41	46	8°
RK.ERX.40.7.5	RK.ERX.40.UP.7.5		7,5	7,5 ÷ 6,5	41	46	8°
RK.ERX.40.8	RK.ERX.40.UP.8	RK.ERX.40.MP.8	8	8 ÷ 7	41	46	8°
RK.ERX.40.8.5	RK.ERX.40.UP.8.5		8,5	8,5 ÷ 7,5	41	46	8°
RK.ERX.40.9	RK.ERX.40.UP.9	RK.ERX.40.MP.9	9	9 ÷ 8	41	46	8°
RK.ERX.40.9.5	RK.ERX.40.UP.9.5		9,5	9,5 ÷ 8,5	41	46	8°
RK.ERX.40.10	RK.ERX.40.UP.10	RK.ERX.40.MP.10	10	10 ÷ 9	41	46	8°
RK.ERX.40.10.5	RK.ERX.40.UP.10.5		10,5	10,5 ÷ 9,5	41	46	8°
RK.ERX.40.11	RK.ERX.40.UP.11	RK.ERX.40.MP.11	11	11 ÷ 10	41	46	8°
RK.ERX.40.11.5	RK.ERX.40.UP.11.5		11,5	11,5 ÷ 10,5	41	46	8°
RK.ERX.40.12	RK.ERX.40.UP.12	RK.ERX.40.MP.12	12	12 ÷ 11	41	46	8°
RK.ERX.40.12.5	RK.ERX.40.UP.12.5		12,5	12,5 ÷ 11,5	41	46	8°
RK.ERX.40.13	RK.ERX.40.UP.13	RK.ERX.40.MP.13	13	13 ÷ 12	41	46	8°
RK.ERX.40.13.5	RK.ERX.40.UP.13.5		13,5	13,5 ÷ 12,5	41	46	8°
RK.ERX.40.14	RK.ERX.40.UP.14	RK.ERX.40.MP.14	14	14 ÷ 13	41	46	8°
RK.ERX.40.14.5	RK.ERX.40.UP.14.5		14,5	14,5 ÷ 13,5	41	46	8°
RK.ERX.40.15	RK.ERX.40.UP.15	RK.ERX.40.MP.15	15	15 ÷ 14	41	46	8°
RK.ERX.40.15.5	RK.ERX.40.UP.15.5		15,5	15,5 - 14,5	41	46	8°
RK.ERX.40.16	RK.ERX.40.UP.16	RK.ERX.40.MP.16	16	16 ÷ 15	41	46	8°
RK.ERX.40.16.5	RK.ERX.40.UP.16.5		16,5	16,5 ÷ 15,5	41	46	8°
RK.ERX.40.17	RK.ERX.40.UP.17	RK.ERX.40.MP.17	17	17 ÷ 16	41	46	8°
RK.ERX.40.17.5	RK.ERX.40.UP.17.5		17,5	17,5 ÷ 16,5	41	46	8°
RK.ERX.40.18	RK.ERX.40.UP.18	RK.ERX.40.MP.18	18	18 ÷ 17	41	46	8°
RK.ERX.40.18.5	RK.ERX.40.UP.18.5		18,5	18,5 ÷ 17,5	41	46	8°
RK.ERX.40.19	RK.ERX.40.UP.19	RK.ERX.40.MP.19	19	19 ÷ 18	41	46	8°
RK.ERX.40.19.5	RK.ERX.40.UP.19.5		19,5	19,5 ÷ 18,5	41	46	8°
RK.ERX.40.20	RK.ERX.40.UP.20	RK.ERX.40.MP.20	20	20 ÷ 19	41	46	8°
RK.ERX.40.20.5	RK.ERX.40.UP.20.5		20,5	20,5 ÷ 19,5	41	46	8°
RK.ERX.40.21	RK.ERX.40.UP.21	RK.ERX.40.MP.21	21	21 ÷ 20	41	46	8°
RK.ERX.40.21.5	RK.ERX.40.UP.21.5		21,5	21,5 ÷ 20,5	41	46	8°
RK.ERX.40.22	RK.ERX.40.UP.22	RK.ERX.40.MP.22	22	22 ÷ 21	41	46	8°
RK.ERX.40.22.5	RK.ERX.40.UP.22.5		22,5	22,5 ÷ 21,5	41	46	8°
RK.ERX.40.23	RK.ERX.40.UP.23	RK.ERX.40.MP.23	23	23 ÷ 22	41	46	8°
RK.ERX.40.23.5	RK.ERX.40.UP.23.5		23,5	23,5 ÷ 22,5	41	46	8°
RK.ERX.40.24	RK.ERX.40.UP.24	RK.ERX.40.MP.24	24	24 ÷ 23	41	46	8°
RK.ERX.40.24.5	RK.ERX.40.UP.24.5		24,5	24,5 ÷ 23,5	41	46	8°
RK.ERX.40.25	RK.ERX.40.UP.25	RK.ERX.40.MP.25	25	25 ÷ 24	41	46	8°
RK.ERX.40.25.5	RK.ERX.40.UP.25.5		25,5	25,5 ÷ 24,5	41	46	8°
RK.ERX.40.26	RK.ERX.40.UP.26	RK.ERX.40.MP.26	26	26 ÷ 25	41	46	8°
RK.ERX.40.27	RK.ERX.40.UP.27		27	27 ÷ 26	41	46	8°
RK.ERX.40.28	RK.ERX.40.UP.28		28	28 ÷ 27	41	46	8°
RK.ERX.40.29	RK.ERX.40.UP.29		29	29 ÷ 28	41	46	8°
RK.ERX.40.30	RK.ERX.40.UP.30		30	30 ÷ 29	41	46	8°





STANDARD	ULTRA	MEGA	Nr. Pieces	Ø D	Notes
 ≤ 0,015	 ≤ 0,005	 ≤ 0,002			
RK-R-ERX40-23	RK-R-ERX40UP-23	RK-R-ERX40MP-23	23	4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 1
RK-B-ERX40-23	RK-B-ERX40UP-23	RK-B-ERX40MP-23	23	4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 2
RK-R-ERX40-24	RK-R-ERX40UP-24		24	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 1
RK-B-ERX40-24	RK-B-ERX40UP-24		24	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 2
RK-R-ERX40-28	RK-R-ERX40UP-28		28	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30	Fig. 1
RK-B-ERX40-28	RK-B-ERX40UP-28		28	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30	Fig. 2





Fig. 1




Fig. 2

ER 50 STANDARD  ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.50.6	6	6 ÷ 5	52	60	8°
RK.ERX.50.7	7	7 ÷ 6	52	60	8°
RK.ERX.50.8	8	8 ÷ 7	52	60	8°
RK.ERX.50.9	9	9 ÷ 8	52	60	8°
RK.ERX.50.10	10	10 ÷ 9	52	60	8°
RK.ERX.50.11	11	11 ÷ 10	52	60	8°
RK.ERX.50.12	12	12 ÷ 10	52	60	8°
RK.ERX.50.13	13	13 ÷ 11	52	60	8°
RK.ERX.50.14	14	14 ÷ 12	52	60	8°
RK.ERX.50.15	15	15 ÷ 13	52	60	8°
RK.ERX.50.16	16	16 ÷ 14	52	60	8°
RK.ERX.50.17	17	17 ÷ 15	52	60	8°
RK.ERX.50.18	18	18 ÷ 16	52	60	8°
RK.ERX.50.19	19	19 ÷ 17	52	60	8°
RK.ERX.50.20	20	20 ÷ 18	52	60	8°

ER 50 STANDARD  ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.50.21	21	21 ÷ 19	52	60	8°
RK.ERX.50.22	22	22 ÷ 20	52	60	8°
RK.ERX.50.23	23	23 ÷ 21	52	60	8°
RK.ERX.50.24	24	24 ÷ 22	52	60	8°
RK.ERX.50.25	25	25 ÷ 23	52	60	8°
RK.ERX.50.26	26	26 ÷ 24	52	60	8°
RK.ERX.50.27	27	27 ÷ 25	52	60	8°
RK.ERX.50.28	28	28 ÷ 26	52	60	8°
RK.ERX.50.29	29	29 ÷ 27	52	60	8°
RK.ERX.50.30	30	30 ÷ 28	52	60	8°
RK.ERX.50.31	31	31 ÷ 29	52	60	8°
RK.ERX.50.32	32	32 ÷ 30	52	60	8°
RK.ERX.50.33	33	33 ÷ 31	52	60	8°
RK.ERX.50.34	34	34 ÷ 32	52	60	8°

ER 60 STANDARD  ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.60.10	10	10 ÷ 9	61	60	10°
RK.ERX.60.11	11	11 ÷ 10	61	60	10°
RK.ERX.60.12	12	12 ÷ 10	61	60	10°
RK.ERX.60.13	13	13 ÷ 11	61	60	10°
RK.ERX.60.14	14	14 ÷ 12	61	60	10°
RK.ERX.60.15	15	15 ÷ 13	61	60	10°
RK.ERX.60.16	16	16 ÷ 14	61	60	10°
RK.ERX.60.17	17	17 ÷ 15	61	60	10°
RK.ERX.60.18	18	18 ÷ 16	61	60	10°
RK.ERX.60.19	19	19 ÷ 17	61	60	10°
RK.ERX.60.20	20	20 ÷ 18	61	60	10°
RK.ERX.60.21	21	21 ÷ 19	61	60	10°
RK.ERX.60.22	22	22 ÷ 20	61	60	10°
RK.ERX.60.23	23	23 ÷ 21	61	60	10°
RK.ERX.60.24	24	24 ÷ 22	61	60	10°
RK.ERX.60.25	25	25 ÷ 23	61	60	10°

ER 60 STANDARD  ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.60.26	26	26 ÷ 24	61	60	10°
RK.ERX.60.27	27	27 ÷ 25	61	60	10°
RK.ERX.60.28	28	28 ÷ 26	61	60	10°
RK.ERX.60.29	29	29 ÷ 27	61	60	10°
RK.ERX.60.30	30	30 ÷ 28	61	60	10°
RK.ERX.60.31	31	31 ÷ 29	61	60	10°
RK.ERX.60.32	32	32 ÷ 30	61	60	10°
RK.ERX.60.33	33	33 ÷ 31	61	60	10°
RK.ERX.60.34	34	34 ÷ 32	61	60	10°
RK.ERX.60.35	35	35 ÷ 33	61	60	10°
RK.ERX.60.36	36	36 ÷ 34	61	60	10°
RK.ERX.60.37	37	37 ÷ 35	61	60	10°
RK.ERX.60.38	38	38 ÷ 36	61	60	10°
RK.ERX.60.39	39	39 ÷ 37	61	60	10°
RK.ERX.60.40	40	40 ÷ 38	61	60	10°





SPANNZANGEN DIN 6499

GUMMIGEDICHTETE SPANNZANGEN

PINZE DIN 6499

VULCANIZZATE A TENUTA DEL REFRIGERANTE

COLLETS DIN 6499

RUBBER SEALED COLLETS



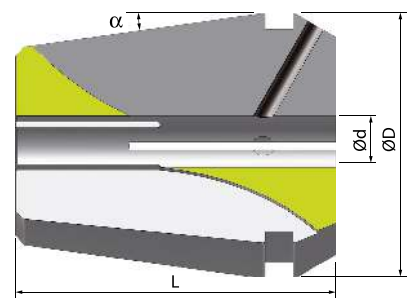
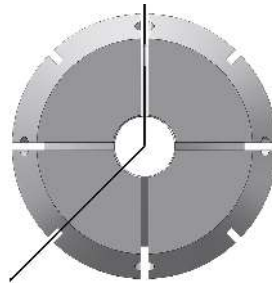
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,015$

DIN 6499 - ER G

ERG - METRISCHE SPANNZANGEN
 ERG - PINZE DI SERRAGGIO METRICHE
 ERG - METRIC COLLETS



ER 11G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.11.3	3	11,5	18	8°
RK.ERX.G.11.3.5	3,5	11,5	18	8°
RK.ERX.G.11.4	4	11,5	18	8°
RK.ERX.G.11.4.5	4,5	11,5	18	8°
RK.ERX.G.11.5	5	11,5	18	8°

ER 11G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.11.5.5	5,5	11,5	18	8°
RK.ERX.G.11.6	6	11,5	18	8°
RK.ERX.G.11.6.5	6,5	11,5	18	8°
RK.ERX.G.11.7	7	11,5	18	8°

ER 16G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.16.3	3	17	27,5	8°
RK.ERX.G.16.4	4	17	27,5	8°
RK.ERX.G.16.5	5	17	27,5	8°
RK.ERX.G.16.6	6	17	27,5	8°

ER 16G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.16.7	7	17	27,5	8°
RK.ERX.G.16.8	8	17	27,5	8°
RK.ERX.G.16.9	9	17	27,5	8°
RK.ERX.G.16.10	10	17	27,5	8°

ER 20G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.20.3	3	21	31,5	8°
RK.ERX.G.20.4	4	21	31,5	8°
RK.ERX.G.20.5	5	21	31,5	8°
RK.ERX.G.20.6	6	21	31,5	8°
RK.ERX.G.20.7	7	21	31,5	8°
RK.ERX.G.20.8	8	21	31,5	8°

ER 20G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.20.9	9	21	31,5	8°
RK.ERX.G.20.10	10	21	31,5	8°
RK.ERX.G.20.11	11	21	31,5	8°
RK.ERX.G.20.12	12	21	31,5	8°
RK.ERX.G.20.13	13	21	31,5	8°

ER 25G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.25.3	3	26	34	8°
RK.ERX.G.25.4	4	26	34	8°
RK.ERX.G.25.5	5	26	34	8°
RK.ERX.G.25.6	6	26	34	8°
RK.ERX.G.25.7	7	26	34	8°
RK.ERX.G.25.8	8	26	34	8°
RK.ERX.G.25.9	9	26	34	8°

ER 25G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.25.10	10	26	34	8°
RK.ERX.G.25.11	11	26	34	8°
RK.ERX.G.25.12	12	26	34	8°
RK.ERX.G.25.13	13	26	34	8°
RK.ERX.G.25.14	14	26	34	8°
RK.ERX.G.25.15	15	26	34	8°
RK.ERX.G.25.16	16	26	34	8°

ER 32G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.32.3	3	33	40	8°
RK.ERX.G.32.4	4	33	40	8°
RK.ERX.G.32.5	5	33	40	8°
RK.ERX.G.32.6	6	33	40	8°
RK.ERX.G.32.7	7	33	40	8°
RK.ERX.G.32.8	8	33	40	8°
RK.ERX.G.32.9	9	33	40	8°
RK.ERX.G.32.10	10	33	40	8°
RK.ERX.G.32.11	11	33	40	8°

ER 32G STANDARD ↗ ≤ 0,015	ød	øD	L	α
RK.ERX.G.32.12	12	33	40	8°
RK.ERX.G.32.13	13	33	40	8°
RK.ERX.G.32.14	14	33	40	8°
RK.ERX.G.32.15	15	33	40	8°
RK.ERX.G.32.16	16	33	40	8°
RK.ERX.G.32.17	17	33	40	8°
RK.ERX.G.32.18	18	33	40	8°
RK.ERX.G.32.19	19	33	40	8°
RK.ERX.G.32.20	20	33	40	8°

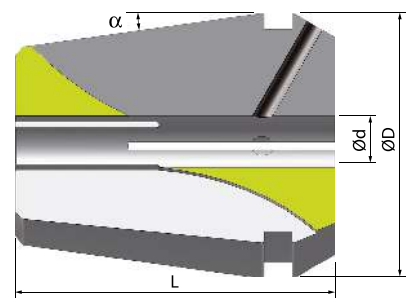
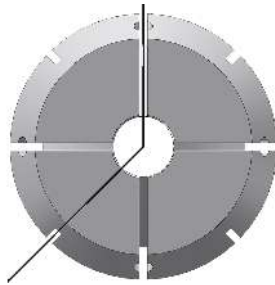


DIN 6499 - ER G

ERG - METRISCHE SPANNZANGEN

ERG - PINZE DI SERRAGGIO METRICHE

ERG - METRIC COLLETS



ER 40G STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.G.40.3	3	41	46	8°
RK.ERX.G.40.4	4	41	46	8°
RK.ERX.G.40.5	5	41	46	8°
RK.ERX.G.40.6	6	41	46	8°
RK.ERX.G.40.7	7	41	46	8°
RK.ERX.G.40.8	8	41	46	8°
RK.ERX.G.40.9	9	41	46	8°
RK.ERX.G.40.10	10	41	46	8°
RK.ERX.G.40.11	11	41	46	8°
RK.ERX.G.40.12	12	41	46	8°
RK.ERX.G.40.13	13	41	46	8°
RK.ERX.G.40.14	14	41	46	8°

ER 40G STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.G.40.15	15	41	46	8°
RK.ERX.G.40.16	16	41	46	8°
RK.ERX.G.40.17	17	41	46	8°
RK.ERX.G.40.18	18	41	46	8°
RK.ERX.G.40.19	19	41	46	8°
RK.ERX.G.40.20	20	41	46	8°
RK.ERX.G.40.21	21	41	46	8°
RK.ERX.G.40.22	22	41	46	8°
RK.ERX.G.40.23	23	41	46	8°
RK.ERX.G.40.24	24	41	46	8°
RK.ERX.G.40.25	25	41	46	8°
RK.ERX.G.40.26	26	41	46	8°

ER 50G STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.G.50.10	10	52	60	8°
RK.ERX.G.50.12	12	52	60	8°
RK.ERX.G.50.14	14	52	60	8°
RK.ERX.G.50.16	16	52	60	8°
RK.ERX.G.50.18	18	52	60	8°
RK.ERX.G.50.20	20	52	60	8°
RK.ERX.G.50.22	22	52	60	8°

ER 50G STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.G.50.24	24	52	60	8°
RK.ERX.G.50.26	26	52	60	8°
RK.ERX.G.50.28	28	52	60	8°
RK.ERX.G.50.30	30	52	60	8°
RK.ERX.G.50.32	32	52	60	8°
RK.ERX.G.50.34	34	52	60	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 16G KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ≤ 0,015	Nr. Pieces	Ø D	Notes
RK-B-ERXG16-8	8	3-4-5-6-7-8-9-10	



BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 20G KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ≤ 0,015	Nr. Pieces	Ø D	Notes
RK-B-ERXG20-81	81	3-4-5-6-7-8-9-10-11-12-13	



BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 25G KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD	Nr.	Ø D	Notes
↗ ≤ 0,015	Pieces		
RK-R-ERXG25-14	14	3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16	



BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 32G KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD	Nr.	Ø D	Notes
↗ ≤ 0,015	Pieces		
RK-R-ERXG32-18	18	3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20	



BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 40G KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD	Nr.	Ø D	Notes
↗ ≤ 0,015	Pieces		
RK-R-ERXG40-23	23	4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 25 - 26	





SPANNZANGEN DIN 6499

MECHANISCH ABGEDICHTETE SPANNZANGEN

PINZE DIN 6499

A TENUTA MECCANICA DEL REFRIGERANTE

COLLETS DIN 6499

MECHANICAL SEALED COLLETS



STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

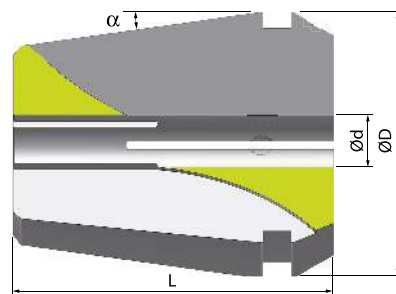
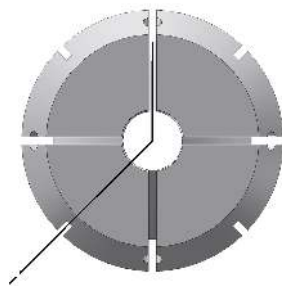
 $\leq 0,015$

DIN 6499 - ER BAR

ER BAR - METRISCHE SPANNZANGEN

ER BAR - PINZE DI SERRAGGIO METRICHE

ER BAR - METRIC COLLETS



ER 16BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.16.1	1	17	27,5	8°
RK.ERX.BAR.16.2	2	17	27,5	8°
RK.ERX.BAR.16.3	3	17	27,5	8°
RK.ERX.BAR.16.4	4	17	27,5	8°
RK.ERX.BAR.16.5	5	17	27,5	8°
RK.ERX.BAR.16.6	6	17	27,5	8°

ER 20BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.20.3	3	21	31,5	8°
RK.ERX.BAR.20.4	4	21	31,5	8°
RK.ERX.BAR.20.5	5	21	31,5	8°
RK.ERX.BAR.20.6	6	21	31,5	8°
RK.ERX.BAR.20.7	7	21	31,5	8°
RK.ERX.BAR.20.8	8	21	31,5	8°

ER 25BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.25.3	3	26	34	8°
RK.ERX.BAR.25.4	4	26	34	8°
RK.ERX.BAR.25.5	5	26	34	8°
RK.ERX.BAR.25.6	6	26	34	8°
RK.ERX.BAR.25.7	7	26	34	8°
RK.ERX.BAR.25.8	8	26	34	8°
RK.ERX.BAR.25.9	9	26	34	8°
RK.ERX.BAR.25.10	10	26	34	8°

ER 32BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.32.3	3	33	40	8°
RK.ERX.BAR.32.4	4	33	40	8°
RK.ERX.BAR.32.5	5	33	40	8°
RK.ERX.BAR.32.6	6	33	40	8°
RK.ERX.BAR.32.7	7	33	40	8°
RK.ERX.BAR.32.8	8	33	40	8°
RK.ERX.BAR.32.9	9	33	40	8°
RK.ERX.BAR.32.10	10	33	40	8°
RK.ERX.BAR.32.11	11	33	40	8°
RK.ERX.BAR.32.12	12	33	40	8°

ER 40BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.40.6	6	41	46	8°
RK.ERX.BAR.40.8	8	41	46	8°
RK.ERX.BAR.40.10	10	41	46	8°
RK.ERX.BAR.40.12	12	41	46	8°
RK.ERX.BAR.40.14	14	41	46	8°
RK.ERX.BAR.40.16	16	41	46	8°

ER 16BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.16.7	7	17	27,5	8°
RK.ERX.BAR.16.8	8	17	27,5	8°
RK.ERX.BAR.16.9	9	17	27,5	8°
RK.ERX.BAR.16.10	10	17	27,5	8°
RK.ERX.BAR.16.12	12	17	27,5	8°

ER 20BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.20.9	9	21	31,5	8°
RK.ERX.BAR.20.10	10	21	31,5	8°
RK.ERX.BAR.20.11	11	21	31,5	8°
RK.ERX.BAR.20.12	12	21	31,5	8°
RK.ERX.BAR.20.13	13	21	31,5	8°
RK.ERX.BAR.20.14	14	21	31,5	8°

ER 25BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.25.11	11	26	34	8°
RK.ERX.BAR.25.12	12	26	34	8°
RK.ERX.BAR.25.13	13	26	34	8°
RK.ERX.BAR.25.14	14	26	34	8°
RK.ERX.BAR.25.15	15	26	34	8°
RK.ERX.BAR.25.16	16	26	34	8°
RK.ERX.BAR.25.18	18	26	34	8°

ER 32BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.32.13	13	33	40	8°
RK.ERX.BAR.32.14	14	33	40	8°
RK.ERX.BAR.32.15	15	33	40	8°
RK.ERX.BAR.32.16	16	33	40	8°
RK.ERX.BAR.32.17	17	33	40	8°
RK.ERX.BAR.32.18	18	33	40	8°
RK.ERX.BAR.32.19	19	33	40	8°
RK.ERX.BAR.32.20	20	33	40	8°
RK.ERX.BAR.32.22	22	33	40	8°

ER 40BAR STANDARD ≤ 0,015	Ød	ØD	L	α
RK.ERX.BAR.40.18	18	41	46	8°
RK.ERX.BAR.40.20	20	41	46	8°
RK.ERX.BAR.40.25	25	41	46	8°
RK.ERX.BAR.40.26	26	41	46	8°
RK.ERX.BAR.40.30	30	41	46	8°





SPANNZANGEN DIN 6499

DICHTUNG MIT BOHRUNGEN FÜR KÄLTEMITTEL

PINZE DIN 6499

TENUTA CON FORI PER REFRIGERANTE

COLLETS DIN 6499

EXTERNALLY COOLED COLLETS



STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

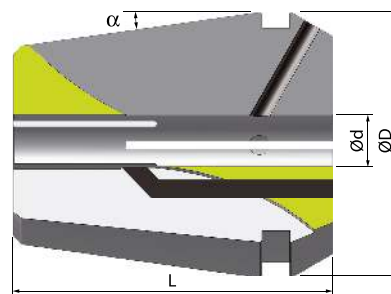
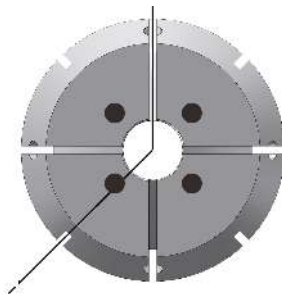
 $\leq 0,015$

DIN 6499 - ER JET

ER JET - METRISCHE SPANNZANGEN

ER JET- PINZE DI SERRAGGIO METRICHE

ER JET - METRIC COLLETS



ER 16JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.16.3	3	17	27,5	8°
RK.ERX.JET.16.4	4	17	27,5	8°
RK.ERX.JET.16.5	5	17	27,5	8°

ER 16JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.16.6	6	17	27,5	8°
RK.ERX.JET.16.7	7	17	27,5	8°

ER 20JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.20.4	4	21	31,5	8°
RK.ERX.JET.20.5	5	21	31,5	8°
RK.ERX.JET.20.6	6	21	31,5	8°
RK.ERX.JET.20.7	7	21	31,5	8°

ER 20JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.20.8	8	21	31,5	8°
RK.ERX.JET.20.9	9	21	31,5	8°
RK.ERX.JET.20.10	10	21	31,5	8°

ER 25JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.25.3	3	26	34	8°
RK.ERX.JET.25.4	4	26	34	8°
RK.ERX.JET.25.5	5	26	34	8°
RK.ERX.JET.25.6	6	26	34	8°
RK.ERX.JET.25.7	7	26	34	8°
RK.ERX.JET.25.8	8	26	34	8°

ER 25JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.25.9	9	26	34	8°
RK.ERX.JET.25.10	10	26	34	8°
RK.ERX.JET.25.11	11	26	34	8°
RK.ERX.JET.25.12	12	26	34	8°
RK.ERX.JET.25.13	13	26	34	8°
RK.ERX.JET.25.14	14	26	34	8°

ER 32JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.32.3	3	33	40	8°
RK.ERX.JET.32.4	4	33	40	8°
RK.ERX.JET.32.5	5	33	40	8°
RK.ERX.JET.32.6	6	33	40	8°
RK.ERX.JET.32.7	7	33	40	8°
RK.ERX.JET.32.8	8	33	40	8°
RK.ERX.JET.32.9	9	33	40	8°
RK.ERX.JET.32.10	10	33	40	8°
RK.ERX.JET.32.11	11	33	40	8°

ER 32JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.32.12	12	33	40	8°
RK.ERX.JET.32.13	13	33	40	8°
RK.ERX.JET.32.14	14	33	40	8°
RK.ERX.JET.32.15	15	33	40	8°
RK.ERX.JET.32.16	16	33	40	8°
RK.ERX.JET.32.17	17	33	40	8°
RK.ERX.JET.32.18	18	33	40	8°
RK.ERX.JET.32.19	19	33	40	8°
RK.ERX.JET.32.20	20	33	40	8°

ER 40JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.40.4	4	41	46	8°
RK.ERX.JET.40.5	5	41	46	8°
RK.ERX.JET.40.6	6	41	46	8°
RK.ERX.JET.40.7	7	41	46	8°
RK.ERX.JET.40.8	8	41	46	8°
RK.ERX.JET.40.9	9	41	46	8°
RK.ERX.JET.40.10	10	41	46	8°
RK.ERX.JET.40.11	11	41	46	8°
RK.ERX.JET.40.12	12	41	46	8°
RK.ERX.JET.40.13	13	41	46	8°
RK.ERX.JET.40.14	14	41	46	8°

ER 40JET STANDARD ↗ ≤ 0,015	Ød	ØD	L	α
RK.ERX.JET.40.15	15	41	46	8°
RK.ERX.JET.40.16	16	41	46	8°
RK.ERX.JET.40.17	17	41	46	8°
RK.ERX.JET.40.18	18	41	46	8°
RK.ERX.JET.40.19	19	41	46	8°
RK.ERX.JET.40.20	20	41	46	8°
RK.ERX.JET.40.21	21	41	46	8°
RK.ERX.JET.40.22	22	41	46	8°
RK.ERX.JET.40.23	23	41	46	8°
RK.ERX.JET.40.24	24	41	46	8°
RK.ERX.JET.40.25	25	41	46	8°





SPANNZANGEN DIN 6499

GEWINDEBOHRER-SPANNZANGEN MIT INNENVIERKANT

PINZE DIN 6499

PORTAMASCHI CON QUADRO

COLLETS DIN 6499

TAP COLLETS WITH INTERNAL SQUARE



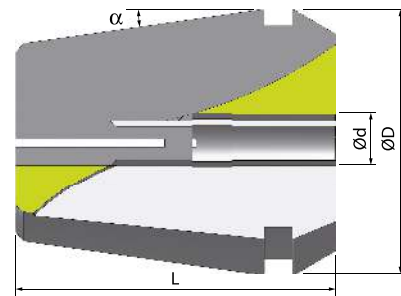
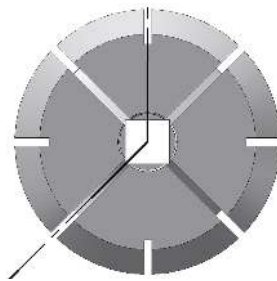
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,015$

DIN 6499 - ER M

ER M - METRISCHE SPANNZANGEN
 ER M - PINZE DI SERRAGGIO METRICHE
 ER M - METRIC COLLETS



ER 16M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.16.3.5	3,5	11,5	2,7	27,5	8°
RK.ERX.M.16.4	4	11,5	3	27,5	8°
RK.ERX.M.16.4.5	4,5	11,5	3,4	27,5	8°
RK.ERX.M.16.5	5	11,5	4	27,5	8°
RK.ERX.M.16.5.5	5,5	11,5	4,3	27,5	8°

ER 16M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.16.6	6	11,5	4,9	27,5	8°
RK.ERX.M.16.6.3	6,3	11,5	5	27,5	8°
RK.ERX.M.16.7	7	11,5	5,5	27,5	8°
RK.ERX.M.16.8	8	11,5	6,2	27,5	8°

ER 20M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.20.3.5	3,5	21	2,7	31,5	8°
RK.ERX.M.20.4	4	21	3	31,5	8°
RK.ERX.M.20.4.5	4,5	21	3,4	31,5	8°
RK.ERX.M.20.5	5	21	4	31,5	8°
RK.ERX.M.20.5.5	5,5	21	4,3	31,5	8°
RK.ERX.M.20.6	6	21	4,9	31,5	8°

ER 20M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.20.6.5	6,3	21	5	31,5	8°
RK.ERX.M.20.7	7	21	5,5	31,5	8°
RK.ERX.M.20.8	8	21	6,2	31,5	8°
RK.ERX.M.20.9	9	21	7	31,5	8°
RK.ERX.M.20.10	10	21	8	31,5	8°

ER 25M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.25.3.5	3,5	26	2,7	34	8°
RK.ERX.M.25.4	4	26	3	34	8°
RK.ERX.M.25.4.5	4,5	26	3,4	34	8°
RK.ERX.M.25.5	5	26	4	34	8°
RK.ERX.M.25.5.5	5,5	26	4,3	34	8°
RK.ERX.M.25.6	6	26	4,9	34	8°
RK.ERX.M.25.6.3	6,3	26	5	34	8°

ER 25M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.25.7	7	26	5,5	34	8°
RK.ERX.M.25.8	8	26	6,2	34	8°
RK.ERX.M.25.9	9	26	7	34	8°
RK.ERX.M.25.10	10	26	8	34	8°
RK.ERX.M.25.11	11	26	9	34	8°
RK.ERX.M.25.11.2	11,2	26	9	34	8°
RK.ERX.M.25.12	12	26	9	34	8°

ER 32M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.32.3.5	3,5	33	2,7	40	8°
RK.ERX.M.32.4	4	33	3	40	8°
RK.ERX.M.32.4.5	4,5	33	3,4	40	8°
RK.ERX.M.32.5	5	33	4	40	8°
RK.ERX.M.32.5.5	5,5	33	4,3	40	8°
RK.ERX.M.32.6	6	33	4,9	40	8°
RK.ERX.M.32.6.3	6,3	33	5	40	8°
RK.ERX.M.32.7	7	33	5,5	40	8°
RK.ERX.M.32.8	8	33	6,2	40	8°

ER 32M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.32.9	9	33	7	40	8°
RK.ERX.M.32.10	10	33	8	40	8°
RK.ERX.M.32.11	11	33	9	40	8°
RK.ERX.M.32.11.2	11,2	33	9	40	8°
RK.ERX.M.32.12	12	33	9	40	8°
RK.ERX.M.32.12.5	12,5	33	10	40	8°
RK.ERX.M.32.14	14	33	11	40	8°
RK.ERX.M.32.16	16	33	12	40	8°

ER 40M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.50.8	8	52	6,2	60	8°
RK.ERX.M.50.9	9	52	7	60	8°
RK.ERX.M.50.10	10	52	8	60	8°
RK.ERX.M.50.11	11	52	9	60	8°
RK.ERX.M.50.12	12	52	9	60	8°
RK.ERX.M.50.14	14	52	11	60	8°
RK.ERX.M.50.16	16	52	12	60	8°

ER 40M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.M.50.18	18	52	14,5	60	8°
RK.ERX.M.50.20	20	52	16	60	8°
RK.ERX.M.50.22	22	52	18	60	8°
RK.ERX.M.50.25	25	52	20	60	8°
RK.ERX.M.50.28	28	52	22	60	8°
RK.ERX.M.50.32	32	52	24	60	8°





SPANNZANGEN DIN 6499

ABDICHTUNG DER SPANNZANGEN MIT INNENVIERKANT

PINZE DIN 6499

PORTAMASCHI CON QUADRO A TENUTA DEL REFRIGERANTE

COLLETS DIN 6499

SEALED TAP COLLETS WITH INTERNAL SQUARE



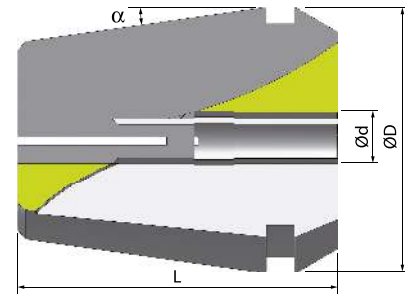
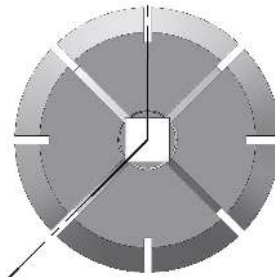
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,015$

DIN 6499 - ER GM

ER GM - METRISCHE SPANNZANGEN
 ER GM - PINZE DI SERRAGGIO METRICHE
 ER GM - METRIC COLLETS



ER G16M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.16.M.4	4	17	3	27,5	8°
RK.ERX.G.16.M.4.5	4,5	17	3,4	27,5	8°
RK.ERX.G.16.M.5	5	17	4	27,5	8°

ER G16M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.16.M.5.5	5,5	17	4,3	27,5	8°
RK.ERX.G.16.M.6	6	17	4,9	27,5	8°
RK.ERX.G.16.M.7	7	17	5,5	27,5	8°

ER G20M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.20.M.4	4	21	3	31,5	8°
RK.ERX.G.20.M.4.5	4,5	21	3,4	31,5	8°
RK.ERX.G.20.M.5	5	21	4	31,5	8°
RK.ERX.G.20.M.5.5	5,5	21	4,3	31,5	8°
RK.ERX.G.20.M.6	6	21	4,9	31,5	8°

ER G20M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.20.M.7	7	21	5,5	31,5	8°
RK.ERX.G.20.M.8	8	21	6,2	31,5	8°
RK.ERX.G.20.M.9	9	21	7	31,5	8°
RK.ERX.G.20.M.10	10	21	8	31,5	8°

ER G25M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.25.M.4	4	26	3	34	8°
RK.ERX.G.25.M.4.5	4,5	26	3,4	34	8°
RK.ERX.G.25.M.5	5	26	4	34	8°
RK.ERX.G.25.M.5.5	5,5	26	4,3	34	8°
RK.ERX.G.25.M.6	6	26	4,9	34	8°
RK.ERX.G.25.M.7	7	26	5,5	34	8°

ER G25M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.25.M.8	8	26	6,2	34	8°
RK.ERX.G.25.M.9	9	26	7	34	8°
RK.ERX.G.25.M.10	10	26	8	34	8°
RK.ERX.G.25.M.11	11	26	9	34	8°
RK.ERX.G.25.M.12	12	26	9	34	8°

ER G32M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.32.M.4.5	4,5	33	3,4	40	8°
RK.ERX.G.32.M.5	5	33	4	40	8°
RK.ERX.G.32.M.5.5	5,5	33	4,3	40	8°
RK.ERX.G.32.M.6	6	33	4,9	40	8°
RK.ERX.G.32.M.7	7	33	5,5	40	8°
RK.ERX.G.32.M.8	8	33	6,2	40	8°

ER G32M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.32.M.9	9	33	7	40	8°
RK.ERX.G.32.M.10	10	33	8	40	8°
RK.ERX.G.32.M.11	11	33	9	40	8°
RK.ERX.G.32.M.12	12	33	9	40	8°
RK.ERX.G.32.M.14	14	33	11	40	8°
RK.ERX.G.32.M.16	16	33	12	40	8°

ER G40M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.40.M.6	6	41	4,9	46	8°
RK.ERX.G.40.M.7	7	41	5,5	46	8°
RK.ERX.G.40.M.8	8	41	6,2	46	8°
RK.ERX.G.40.M.9	9	41	7	46	8°
RK.ERX.G.40.M.10	10	41	8	46	8°
RK.ERX.G.40.M.11	11	41	9	46	8°

ER G40M STANDARD ↗ ≤ 0,015	SHAFT - GAMBO SHANK		Ø D	L	α
	Ø d	SQ			
RK.ERX.G.40.M.12	12	41	9	46	8°
RK.ERX.G.40.M.14	14	41	11	46	8°
RK.ERX.G.40.M.16	16	41	12	46	8°
RK.ERX.G.40.M.18	18	41	14,5	46	8°
RK.ERX.G.40.M.20	20	41	16	46	8°





SPANNZANGEN DIN 6499

GEWINDESCHNEIDSPANNZANGEN MIT AXIALEM AUSGLEICH

PINZE DIN 6499

PORTAMASCHI A COMPENSAZIONE ASSIALE

COLLETS DIN 6499

TAPPING COLLETS WITH AXIAL COMPENSATION



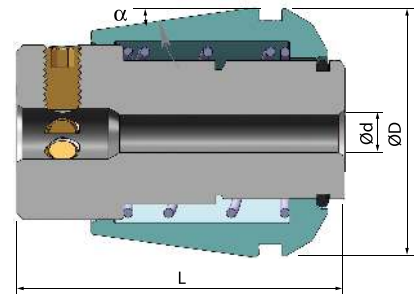
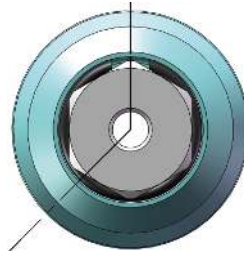
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,015$

DIN 6499 - ER COM

ER COM - METRISCHE SPANNZANGEN
 ER COM - PINZE DI SERRAGGIO METRICHE
 ER COM - METRIC COLLETS



ER 16COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.16.1.4	1,4	17	28,5	8°
RK.ERX.COM.16.1.6	1,6	17	28,5	8°
RK.ERX.COM.16.1.8	1,8	17	28,5	8°
RK.ERX.COM.16.2	2	17	28,5	8°
RK.ERX.COM.16.2.2	2,2	17	28,5	8°
RK.ERX.COM.16.2.24	2,24	17	28,5	8°
RK.ERX.COM.16.2.5	2,5	17	28,5	8°
RK.ERX.COM.16.2.8	2,8	17	28,5	8°

ER 16COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.16.3	3	17	28,5	8°
RK.ERX.COM.16.3.15	3,15	17	28,5	8°
RK.ERX.COM.16.3.5	3,5	17	28,5	8°
RK.ERX.COM.16.4	4	17	28,5	8°
RK.ERX.COM.16.4.5	4,5	17	28,5	8°
RK.ERX.COM.16.5	5	17	28,5	8°
RK.ERX.COM.16.5.5	5,5	17	28,5	8°
RK.ERX.COM.16.6	6	17	28,5	8°

ER 20COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.20.2.5	2,5	21	32	8°
RK.ERX.COM.20.2.8	2,8	21	32	8°
RK.ERX.COM.20.3	3	21	32	8°
RK.ERX.COM.20.3.5	3,5	21	32	8°
RK.ERX.COM.20.4	4	21	32	8°

ER 20COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.20.4.5	4,5	21	32	8°
RK.ERX.COM.20.5	5	21	32	8°
RK.ERX.COM.20.5.5	5,5	21	32	8°
RK.ERX.COM.20.6	6	21	32	8°
RK.ERX.COM.20.7	7	21	32	8°

ER 25COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.32.4	4	33	43	8°
RK.ERX.COM.32.4.5	4,5	33	43	8°
RK.ERX.COM.32.5	5	33	43	8°
RK.ERX.COM.32.5.5	5,5	33	43	8°
RK.ERX.COM.32.6	6	33	43	8°
RK.ERX.COM.32.7	7	33	43	8°

ER 25COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.32.8	8	33	43	8°
RK.ERX.COM.32.9	9	33	43	8°
RK.ERX.COM.32.10	10	33	43	8°
RK.ERX.COM.32.11	11	33	43	8°
RK.ERX.COM.32.12	12	33	43	8°
RK.ERX.COM.32.12.5	12,5	33	43	8°

ER 32COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.32.4	4	33	43	8°
RK.ERX.COM.32.4.5	4,5	33	43	8°
RK.ERX.COM.32.5	5	33	43	8°
RK.ERX.COM.32.5.5	5,5	33	43	8°
RK.ERX.COM.32.6	6	33	43	8°
RK.ERX.COM.32.7	7	33	43	8°

ER 32COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.32.8	8	33	43	8°
RK.ERX.COM.32.9	9	33	43	8°
RK.ERX.COM.32.10	10	33	43	8°
RK.ERX.COM.32.11	11	33	43	8°
RK.ERX.COM.32.12	12	33	43	8°
RK.ERX.COM.32.12.5	12,5	33	43	8°

ER 40COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.40.6	6	41	54	8°
RK.ERX.COM.40.7	7	41	54	8°
RK.ERX.COM.40.8	8	41	54	8°
RK.ERX.COM.40.9	9	41	54	8°
RK.ERX.COM.40.10	10	41	54	8°

ER 40COM STANDARD ≤ 0,015	Ø d	Ø D	L	α
RK.ERX.COM.40.11	11	41	54	8°
RK.ERX.COM.40.12	12	41	54	8°
RK.ERX.COM.40.12.5	12,5	41	54	8°
RK.ERX.COM.40.14	14	41	54	8°
RK.ERX.COM.40.16	16	41	54	8°





SPANNZANGEN DIN 9499

PINZE DIN 9499

COLLETS DIN 9499



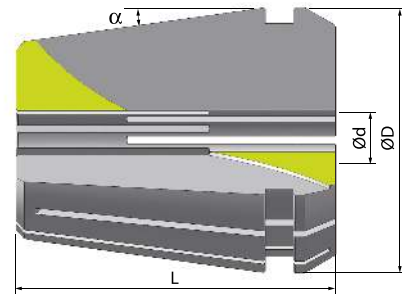
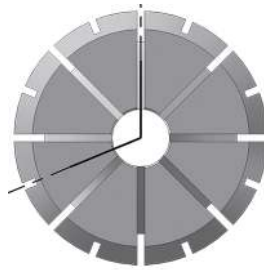
STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,008$

DIN 9499 - ER D

ER D - METRISCHE SPANNZANGEN
 ER D - PINZE DI SERRAGGIO METRICHE
 ER D - METRIC COLLETS



ER 16D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.16.1	1	0,25	17	24	8°
RK.ERX.D.16.2	2	0,25	17	24	8°
RK.ERX.D.16.3	3	0,5	17	24	8°
RK.ERX.D.16.4	4	0,5	17	24	8°
RK.ERX.D.16.5	5	1	17	24	8°

ER 16D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.16.6	6	1	17	24	8°
RK.ERX.D.16.7	7	1	17	24	8°
RK.ERX.D.16.8	8	1	17	24	8°
RK.ERX.D.16.9	9	1	17	24	8°
RK.ERX.D.16.10	10	1	17	24	8°

ER 20D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.20.2	2	0,25	21	31	8°
RK.ERX.D.20.3	3	0,5	21	31	8°
RK.ERX.D.20.4	4	1	21	31	8°
RK.ERX.D.20.5	5	1	21	31	8°
RK.ERX.D.20.6	6	1	21	31	8°
RK.ERX.D.20.7	7	1	21	31	8°

ER 20D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.20.8	8	1	21	31	8°
RK.ERX.D.20.9	9	1	21	31	8°
RK.ERX.D.20.10	10	1	21	31	8°
RK.ERX.D.20.11	11	1	21	31	8°
RK.ERX.D.20.12	12	1	21	31	8°
RK.ERX.D.20.13	13	1	21	31	8°

ER 25D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.25.2	2	0,25	26	34	8°
RK.ERX.D.25.3	3	0,5	26	34	8°
RK.ERX.D.25.4	4	1	26	34	8°
RK.ERX.D.25.5	5	1	26	34	8°
RK.ERX.D.25.6	6	1	26	34	8°
RK.ERX.D.25.7	7	1	26	34	8°
RK.ERX.D.25.8	8	1	26	34	8°
RK.ERX.D.25.9	9	1	26	34	8°

ER 25D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.25.10	10	1	26	34	8°
RK.ERX.D.25.11	11	1	26	34	8°
RK.ERX.D.25.12	12	1	26	34	8°
RK.ERX.D.25.13	13	1	26	34	8°
RK.ERX.D.25.14	14	1	26	34	8°
RK.ERX.D.25.15	15	1	26	34	8°
RK.ERX.D.25.16	16	1	26	34	8°

ER 32D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.32.3	3	0,5	33	40	8°
RK.ERX.D.32.4	4	1	33	40	8°
RK.ERX.D.32.5	5	1	33	40	8°
RK.ERX.D.32.6	6	1	33	40	8°
RK.ERX.D.32.7	7	1	33	40	8°
RK.ERX.D.32.8	8	1	33	40	8°
RK.ERX.D.32.9	9	1	33	40	8°
RK.ERX.D.32.10	10	1	33	40	8°
RK.ERX.D.32.11	11	1	33	40	8°

ER 32D STANDARD ↗ ≤ 0,008	∅ d	CLAMPING RANGE	∅ D	L	α
RK.ERX.D.32.12	12	1	33	40	8°
RK.ERX.D.32.13	13	1	33	40	8°
RK.ERX.D.32.14	14	1	33	40	8°
RK.ERX.D.32.15	15	1	33	40	8°
RK.ERX.D.32.16	16	1	33	40	8°
RK.ERX.D.32.17	17	1	33	40	8°
RK.ERX.D.32.18	18	1	33	40	8°
RK.ERX.D.32.19	19	1	33	40	8°
RK.ERX.D.32.20	20	1	33	40	8°

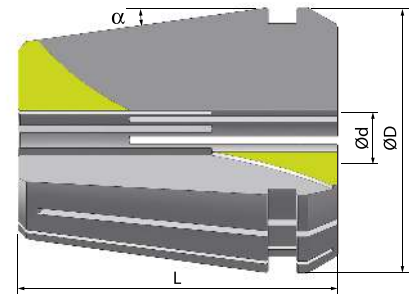
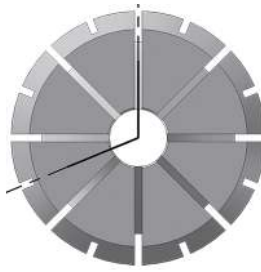


DIN 9499 - ER D

ER D - METRISCHE SPANNZANGEN

ER D - PINZE DI SERRAGGIO METRICHE

ER D - METRIC COLLETS



ER 40D STANDARD ↗ ≤ 0,008	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.D.40.3	3	1	41	45	8°
RK.ERX.D.40.4	4	1	41	45	8°
RK.ERX.D.40.5	5	1	41	45	8°
RK.ERX.D.40.6	6	1	41	45	8°
RK.ERX.D.40.7	7	1	41	45	8°
RK.ERX.D.40.8	8	1	41	45	8°
RK.ERX.D.40.9	9	1	41	45	8°
RK.ERX.D.40.10	10	1	41	45	8°
RK.ERX.D.40.11	11	1	41	45	8°
RK.ERX.D.40.12	12	1	41	45	8°
RK.ERX.D.40.13	13	1	41	45	8°
RK.ERX.D.40.14	14	1	41	45	8°

ER 40D STANDARD ↗ ≤ 0,008	Ø d	CLAMPING RANGE	Ø D	L	α
RK.ERX.D.40.15	15	1	41	45	8°
RK.ERX.D.40.16	16	1	41	45	8°
RK.ERX.D.40.17	17	1	41	45	8°
RK.ERX.D.40.18	18	1	41	45	8°
RK.ERX.D.40.19	19	1	41	45	8°
RK.ERX.D.40.20	20	1	41	45	8°
RK.ERX.D.40.21	21	1	41	45	8°
RK.ERX.D.40.22	22	1	41	45	8°
RK.ERX.D.40.23	23	1	41	45	8°
RK.ERX.D.40.24	24	1	41	45	8°
RK.ERX.D.40.25	25	1	41	45	8°
RK.ERX.D.40.26	26	1	41	45	8°

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 16D KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ↗ ≤ 0,008	Nr. Pieces	Ø D	Notes
RK-R-ERXD16-10	10	1-2-3-4-5-6-7-8-9-10	Fig. 1
RK-B-ERXD16-10	10	1-2-3-4-5-6-7-8-9-10	Fig. 2

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 20D KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ↗ ≤ 0,008	Nr. Pieces	Ø D	Notes
RK-R-ERXD20-15	12	2-3-4-5-6-7-8-9-10-11-12-13	Fig. 1
RK-B-ERXD20-15	12	2-3-4-5-6-7-8-9-10-11-12-13	Fig. 2

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 25D KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ↗ ≤ 0,008	Nr. Pieces	Ø D	Notes
RK-R-ERXD25-15	15	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig. 1
RK-B-ERXD25-15	15	2-3-4-5-6-7-8-9-10-11-12-13-14-15-16	Fig. 2

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 32D KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ↗ ≤ 0,008	Nr. Pieces	Ø D	Notes
RK-R-ERXD32-18	18	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	Fig. 1
RK-B-ERXD32-18	18	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20	Fig. 2

BESTELL.-NR. - ARTICOLO - ORDER NR. - ER 40D KIT - SPANNZANGEN SATZ - SERIE DI PINZE			
STANDARD ↗ ≤ 0,008	Nr. Pieces	Ø D	Notes
RK-R-ERXD40-24	24	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 1
RK-B-ERXD40-24	24	3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26	Fig. 2



Fig. 1



Fig. 2



GERADE SPANNZANGEN

FÜR HYDRAULIK- UND KRAFTSPANNFUTTER

PINZE CILINDRICHE

PER MANDRINI IDRAULICI E A FORTE SERRAGGIO

STRAIGHT COLLETS

FOR HYDRAULIC AND POWER MILLING CHUCKS



ULTRA PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,005$

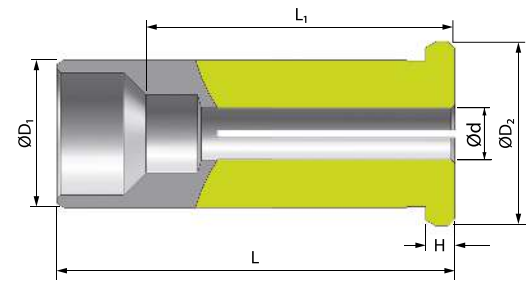
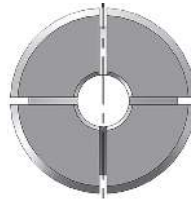


4 SR

4 SR - METRISCHE SPANNZANGEN

4 SR - PINZE DI SERRAGGIO METRICHE

4 SR - METRIC COLLETS



4 SR 20						
ULTRA PRECISION ↗ ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.4SR20.3	3	20	25	54	15	4
RK.4SR20.4	4	20	25	54	23	4
RK.4SR20.5	5	20	25	54	23	4
RK.4SR20.6	6	20	25	54	35	4
RK.4SR20.7	7	20	25	54	35	4
RK.4SR20.8	8	20	25	54	40	4
RK.4SR20.9	9	20	25	54	40	4
RK.4SR20.10	10	20	25	54	40	4

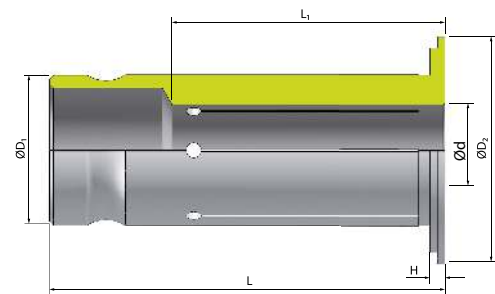
4 SR 20						
ULTRA PRECISION ↗ ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.4SR20.11	11	20	25	54	40	4
RK.4SR20.12	12	20	25	54	40	4
RK.4SR20.13	13	20	25	54	45	4
RK.4SR20.14	14	20	25	54	45	4
RK.4SR20.15	15	20	25	54	45	4
RK.4SR20.16	16	20	25	54	45	4
RK.4SR20.17	17	20	25	54	45	4
RK.4SR20.18	18	20	25	54	45	4

4 SR 32						
ULTRA PRECISION ↗ ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.4SR32.6	6	32	36	63	36	3
RK.4SR32.7	7	32	36	63	36	3
RK.4SR32.8	8	32	36	63	36	3
RK.4SR32.9	9	32	36	63	40	3
RK.4SR32.10	10	32	36	63	40	3
RK.4SR32.11	11	32	36	63	40	3
RK.4SR32.12	12	32	36	63	45	3
RK.4SR32.13	13	32	36	63	45	3
RK.4SR32.14	14	32	36	63	45	3
RK.4SR32.15	15	32	36	63	48	3

4 SR 32						
ULTRA PRECISION ↗ ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.4SR32.16	16	32	36	63	48	3
RK.4SR32.17	17	32	36	63	48	3
RK.4SR32.18	18	32	36	63	48	3
RK.4SR32.19	19	32	36	63	50	3
RK.4SR32.20	20	32	36	63	50	3
RK.4SR32.21	21	32	36	63	50	3
RK.4SR32.22	22	32	36	63	50	3
RK.4SR32.23	23	32	36	56	56	3
RK.4SR32.24	24	32	36	63	56	3
RK.4SR32.25	25	32	36	63	56	3

6 SR

6 SR - METRISCHE SPANNZANGEN
 6 SR - PINZE DI SERRAGGIO METRICHE
 6 SR - METRIC COLLETS



6 SR 12 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR12.3	3	12	20	47	16	2
RK.6SR12.4	4	12	20	47	16	2
RK.6SR12.5	5	12	20	47	16	2
RK.6SR12.6	6	12	20	47	24	2

6 SR 12 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR12.7	7	12	20	47	24	2
RK.6SR12.8	8	12	20	47	24	2
RK.6SR12.10	10	12	20	47	24	2

6 SR 20 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR20.3	3	20	30	52,5	15	2
RK.6SR20.4	4	20	30	52,5	22	2
RK.6SR20.5	5	20	30	52,5	22	2
RK.6SR20.6	6	20	30	52,5	27	2
RK.6SR20.7	7	20	30	52,5	27	2
RK.6SR20.8	8	20	30	52,5	37,5	2
RK.6SR20.9	9	20	30	52,5	37,5	2
RK.6SR20.10	10	20	30	52,5	37,5	2

6 SR 20 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR20.11	11	20	30	52,5	37,5	2
RK.6SR20.12	12	20	30	52,5	37,5	2
RK.6SR20.13	13	20	30	52,5	37,5	2
RK.6SR20.14	14	20	30	52,5	37,5	2
RK.6SR20.15	15	20	30	52,5	37,5	2
RK.6SR20.16	16	20	30	52,5	37,5	2
RK.6SR20.17	17	20	30	52,5	37,5	2
RK.6SR20.18	18	20	30	52,5	37,5	2

6 SR 32 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR32.6	6	32	36	63		
RK.6SR32.8	8	32	36	63		
RK.6SR32.10	10	32	36	63		
RK.6SR32.12	12	32	36	63		

6 SR 32 ULTRA PRECISION ≤ 0,005	Ø d	Ø D ₁	Ø D ₂	L	L ₁	H
RK.6SR32.14	14	32	36	63		
RK.6SR32.16	16	32	36	63		
RK.6SR32.20	20	32	36	63		
RK.6SR32.25	25	32	36	63		





SPANNZANGEN DIN 6388

PINZE DIN 6388

COLLETS DIN 6388

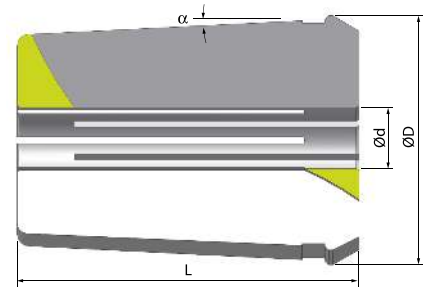
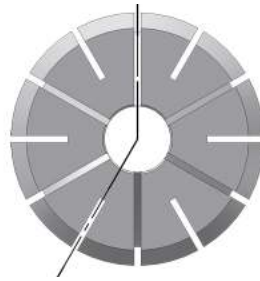


STANDARD PRECISION

Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,008$

EOC - METRISCHE SPANNZANGEN
EOC - PINZE DI SERRAGGIO METRICHE
EOC - METRIC COLLETS



EOC 16 STANDARD ↗ ≤ 0,015	∅ d	CLAMPING RANGE	∅ D	L	α
RK.EOC.16.2	2	2 ÷ 1,5	25,5	40	2°52'
RK.EOC.16.2.5	2,5	2,5 ÷ 2	25,5	40	2°52'
RK.EOC.16.3	3	3 ÷ 2,5	25,5	40	2°52'
RK.EOC.16.3.5	3,5	3,5 ÷ 3	25,5	40	2°52'
RK.EOC.16.4	4	4 ÷ 3,5	25,5	40	2°52'
RK.EOC.16.4.5	4,5	4,5 ÷ 4	25,5	40	2°52'
RK.EOC.16.5	5	5 ÷ 4,5	25,5	40	2°52'
RK.EOC.16.5.5	5,5	5,5 ÷ 5	25,5	40	2°52'
RK.EOC.16.6	6	6 ÷ 5,5	25,5	40	2°52'
RK.EOC.16.6.5	6,5	6,5 ÷ 6	25,5	40	2°52'
RK.EOC.16.7	7	7 ÷ 6,5	25,5	40	2°52'
RK.EOC.16.7.5	7,5	7,5 ÷ 7	25,5	40	2°52'
RK.EOC.16.8	8	8 ÷ 7,5	25,5	40	2°52'
RK.EOC.16.8.5	8,5	8,5 ÷ 8	25,5	40	2°52'
RK.EOC.16.9	9	9 ÷ 8,5	25,5	40	2°52'

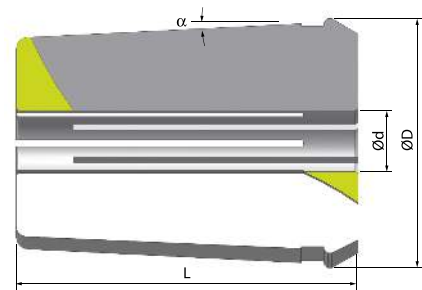
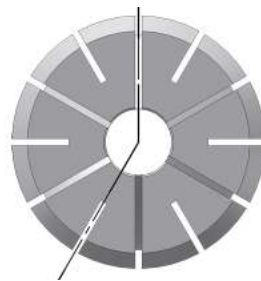
EOC 16 STANDARD ↗ ≤ 0,015	∅ d	CLAMPING RANGE	∅ D	L	α
RK.EOC.16.9.5	9,5	9,5 ÷ 9	25,5	40	2°52'
RK.EOC.16.10	10	10 ÷ 9,5	25,5	40	2°52'
RK.EOC.16.10.5	10,5	10,5 ÷ 10	25,5	40	2°52'
RK.EOC.16.11	11	11 ÷ 10,5	25,5	40	2°52'
RK.EOC.16.11.5	11,5	11,5 ÷ 11	25,5	40	2°52'
RK.EOC.16.12	12	12 ÷ 11,5	25,5	40	2°52'
RK.EOC.16.12.5	12,5	12,5 ÷ 12	25,5	40	2°52'
RK.EOC.16.13	13	13 ÷ 12,5	25,5	40	2°52'
RK.EOC.16.13.5	13,5	13,5 ÷ 13	25,5	40	2°52'
RK.EOC.16.14	14	14 ÷ 13,5	25,5	40	2°52'
RK.EOC.16.14.5	14,5	14,5 ÷ 14	25,5	40	2°52'
RK.EOC.16.15	15	15 ÷ 14,5	25,5	40	2°52'
RK.EOC.16.15.5	15,5	15,5 ÷ 15	25,5	40	2°52'
RK.EOC.16.16	16	16 ÷ 15,5	25,5	40	2°52'

EOC 25 STANDARD ↗ ≤ 0,015	∅ d	CLAMPING RANGE	∅ D	L	α
RK.EOC.25.2	2	2 ÷ 1,5	35,05	52	2°52'
RK.EOC.25.2.5	2,5	2,5 ÷ 2	35,05	52	2°52'
RK.EOC.25.3	3	3 ÷ 2,5	35,05	52	2°52'
RK.EOC.25.3.5	3,5	3,5 ÷ 3	35,05	52	2°52'
RK.EOC.25.4	4	4 ÷ 3,5	35,05	52	2°52'
RK.EOC.25.4.5	4,5	4,5 ÷ 4	35,05	52	2°52'
RK.EOC.25.5	5	5 ÷ 4,5	35,05	52	2°52'
RK.EOC.25.5.5	5,5	5,5 ÷ 5	35,05	52	2°52'
RK.EOC.25.6	6	6 ÷ 5,5	35,05	52	2°52'
RK.EOC.25.6.5	6,5	6,5 ÷ 6	35,05	52	2°52'
RK.EOC.25.7	7	7 ÷ 6,5	35,05	52	2°52'
RK.EOC.25.7.5	7,5	7,5 ÷ 7	35,05	52	2°52'
RK.EOC.25.8	8	8 ÷ 7,5	35,05	52	2°52'
RK.EOC.25.8.5	8,5	8,5 ÷ 8	35,05	52	2°52'
RK.EOC.25.9	9	9 ÷ 8,5	35,05	52	2°52'
RK.EOC.25.9.5	9,5	9,5 ÷ 9	35,05	52	2°52'
RK.EOC.25.10	10	10 ÷ 9,5	35,05	52	2°52'
RK.EOC.25.10.5	10,5	10,5 ÷ 10	35,05	52	2°52'
RK.EOC.25.11	11	11 ÷ 10,5	35,05	52	2°52'
RK.EOC.25.11.5	11,5	11,5 ÷ 11	35,05	52	2°52'
RK.EOC.25.12	12	12 ÷ 11,5	35,05	52	2°52'
RK.EOC.25.12.5	12,5	12,5 ÷ 12	35,05	52	2°52'
RK.EOC.25.13	13	13 ÷ 12,5	35,05	52	2°52'
RK.EOC.25.13.5	13,5	13,5 ÷ 13	35,05	52	2°52'

EOC 25 STANDARD ↗ ≤ 0,015	∅ d	CLAMPING RANGE	∅ D	L	α
RK.EOC.25.14	14	14 ÷ 13,5	35,05	52	2°52'
RK.EOC.25.14.5	14,5	14,5 ÷ 14	35,05	52	2°52'
RK.EOC.25.15	15	15 ÷ 14,5	35,05	52	2°52'
RK.EOC.25.15.5	15,5	15,5 ÷ 15	35,05	52	2°52'
RK.EOC.25.16	16	16 ÷ 15,5	35,05	52	2°52'
RK.EOC.25.16.5	16,5	16,5 ÷ 16	35,05	52	2°52'
RK.EOC.25.17	17	17 ÷ 16,5	35,05	52	2°52'
RK.EOC.25.17.5	17,5	17,5 ÷ 17	35,05	52	2°52'
RK.EOC.25.18	18	18 ÷ 17,5	35,05	52	2°52'
RK.EOC.25.18.5	18,5	18,5 ÷ 18	35,05	52	2°52'
RK.EOC.25.19	19	19 ÷ 18,5	35,05	52	2°52'
RK.EOC.25.19.5	19,5	19,5 ÷ 19	35,05	52	2°52'
RK.EOC.25.20	20	20 ÷ 19,5	35,05	52	2°52'
RK.EOC.25.20.5	20,5	20,5 ÷ 20	35,05	52	2°52'
RK.EOC.25.21	21	21 ÷ 20,5	35,05	52	2°52'
RK.EOC.25.21.5	21,5	21,5 ÷ 21	35,05	52	2°52'
RK.EOC.25.22	22	22 ÷ 21,5	35,05	52	2°52'
RK.EOC.25.22.5	22,5	22,5 ÷ 22	35,05	52	2°52'
RK.EOC.25.23	23	23 ÷ 22,5	35,05	52	2°52'
RK.EOC.25.23.5	23,5	23,5 ÷ 23	35,05	52	2°52'
RK.EOC.25.24	24	24 ÷ 23,5	35,05	52	2°52'
RK.EOC.25.24.5	24,5	24,5 ÷ 24	35,05	52	2°52'
RK.EOC.25.25	25	25 ÷ 24,5	35,05	52	2°52'



EOC - METRISCHE SPANNZANGEN
EOC - PINZE DI SERRAGGIO METRICHE
EOC - METRIC COLLETS



EOC 32 STANDARD ↗ ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.EOC.32.3	3	3 ÷ 2,5	43,7	60	2°52'
RK.EOC.32.3.5	3,5	3,5 ÷ 3	43,7	60	2°52'
RK.EOC.32.4	4	4 ÷ 3,5	43,7	60	2°52'
RK.EOC.32.4.5	4,5	4,5 ÷ 4	43,7	60	2°52'
RK.EOC.32.5	5	5 ÷ 4,5	43,7	60	2°52'
RK.EOC.32.5.5	5,5	5,5 ÷ 5	43,7	60	2°52'
RK.EOC.32.6	6	6 ÷ 5,5	43,7	60	2°52'
RK.EOC.32.6.5	6,5	6,5 ÷ 6	43,7	60	2°52'
RK.EOC.32.7	7	7 ÷ 6,5	43,7	60	2°52'
RK.EOC.32.7.5	7,5	7,5 ÷ 7	43,7	60	2°52'
RK.EOC.32.8	8	8 ÷ 7,5	43,7	60	2°52'
RK.EOC.32.8.5	8,5	8,5 ÷ 8	43,7	60	2°52'
RK.EOC.32.9	9	9 ÷ 8,5	43,7	60	2°52'
RK.EOC.32.9.5	9,5	9,5 ÷ 9	43,7	60	2°52'
RK.EOC.32.10	10	10 ÷ 9,5	43,7	60	2°52'
RK.EOC.32.10.5	10,5	10,5 ÷ 10	43,7	60	2°52'
RK.EOC.32.11	11	11 ÷ 10,5	43,7	60	2°52'
RK.EOC.32.11.5	11,5	11,5 ÷ 11	43,7	60	2°52'
RK.EOC.32.12	12	12 ÷ 11,5	43,7	60	2°52'
RK.EOC.32.12.5	12,5	12,5 ÷ 12	43,7	60	2°52'
RK.EOC.32.13	13	13 ÷ 12,5	43,7	60	2°52'
RK.EOC.32.13.5	13,5	13,5 ÷ 13	43,7	60	2°52'
RK.EOC.32.14	14	14 ÷ 13,5	43,7	60	2°52'
RK.EOC.32.14.5	14,5	14,5 ÷ 14	43,7	60	2°52'
RK.EOC.32.15	15	15 ÷ 14,5	43,7	60	2°52'
RK.EOC.32.15.5	15,5	15,5 ÷ 15	43,7	60	2°52'
RK.EOC.32.16	16	16 ÷ 15,5	43,7	60	2°52'
RK.EOC.32.16.5	16,5	16,5 ÷ 16	43,7	60	2°52'
RK.EOC.32.17	17	17 ÷ 16,5	43,7	60	2°52'
RK.EOC.32.3.19	17,5	17,5 ÷ 17	43,7	60	2°52'

EOC 32 STANDARD ↗ ≤ 0,015	Ø d	CLAMPING RANGE	Ø D	L	α
RK.EOC.32.18	18	18 ÷ 17,5	43,7	60	2°52'
RK.EOC.32.18.5	18,5	18,5 ÷ 18	43,7	60	2°52'
RK.EOC.32.19	19	19 ÷ 18,5	43,7	60	2°52'
RK.EOC.32.19.5	19,5	19,5 ÷ 19	43,7	60	2°52'
RK.EOC.32.20	20	20 ÷ 19,5	43,7	60	2°52'
RK.EOC.32.20.5	20,5	20,5 ÷ 20	43,7	60	2°52'
RK.EOC.32.21	21	21 ÷ 20,5	43,7	60	2°52'
RK.EOC.32.21.5	21,5	21,5 ÷ 21	43,7	60	2°52'
RK.EOC.32.22	22	22 ÷ 21,5	43,7	60	2°52'
RK.EOC.32.22.5	22,5	22,5 ÷ 22	43,7	60	2°52'
RK.EOC.32.23	23	23 ÷ 22,5	43,7	60	2°52'
RK.EOC.32.23.5	23,5	23,5 ÷ 23	43,7	60	2°52'
RK.EOC.32.24	24	24 ÷ 23,5	43,7	60	2°52'
RK.EOC.32.24.5	24,5	24,5 ÷ 24	43,7	60	2°52'
RK.EOC.32.25	25	25 ÷ 24,5	43,7	60	2°52'
RK.EOC.32.25.5	25,5	25,5 ÷ 25	43,7	60	2°52'
RK.EOC.32.26	26	26 ÷ 25,5	43,7	60	2°52'
RK.EOC.32.26.5	26,5	26,5 ÷ 26	43,7	60	2°52'
RK.EOC.32.27	27	27 ÷ 26,5	43,7	60	2°52'
RK.EOC.32.27.5	27,5	27,5 ÷ 27	43,7	60	2°52'
RK.EOC.32.28	28	28 ÷ 27,5	43,7	60	2°52'
RK.EOC.32.28.5	28,5	28,5 ÷ 28	43,7	60	2°52'
RK.EOC.32.29	29	29 ÷ 28,5	43,7	60	2°52'
RK.EOC.32.29.5	29,5	29,5 ÷ 29	43,7	60	2°52'
RK.EOC.32.30	30	30 ÷ 29,5	43,7	60	2°52'
RK.EOC.32.30.5	30,5	30,5 ÷ 30	43,7	60	2°52'
RK.EOC.32.31	31	31 ÷ 30,5	43,7	60	2°52'
RK.EOC.32.31.5	31,5	31,5 ÷ 31	43,7	60	2°52'
RK.EOC.32.32	32	32 ÷ 31,5	43,7	60	2°52'



SPANNZANGEN SKS

PINZE SKS

COLLETS SKS



ULTRA PRECISION

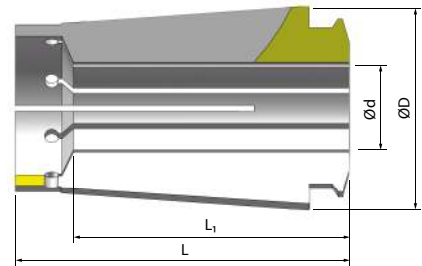
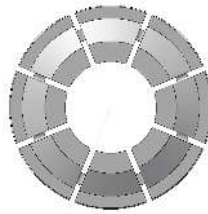
Rundlauf-Spezifikationen
Precisione di rotazione
Concentricity specifications

 $\leq 0,005$



SKS

SKS - METRISCHE SPANNZANGEN
 SKS - PINZE DI SERRAGGIO METRICHE
 SKS - METRIC COLLETS



SKS 10 ULTRA ↗ ≤ 0,005	$\varnothing d$	$\varnothing D$	L	L_1
RK.SKS.10.2	2	13,7	32	26,8
RK.SKS.10.3	3	13,7	32	26,8
RK.SKS.10.4	4	13,7	32	26,8
RK.SKS.10.5	5	13,7	32	26,8
RK.SKS.10.6	6	13,7	32	26,8

SKS 10 ULTRA ↗ ≤ 0,005	$\varnothing d$	$\varnothing D$	L	L_1
RK.SKS.10.7	7	13,7	32	26,8
RK.SKS.10.8	8	13,7	32	26,8
RK.SKS.10.9	9	13,7	32	26,8
RK.SKS.10.10	10	13,7	32	26,8

SKS 20 ULTRA ↗ ≤ 0,005	$\varnothing d$	$\varnothing D$	L	L_1
RK.SKS.20.3	3	17	54,3	49
RK.SKS.20.4	4	17	54,3	49
RK.SKS.20.5	5	17	54,3	49
RK.SKS.20.6	6	17	54,3	49
RK.SKS.20.7	7	17	54,3	49
RK.SKS.20.8	8	17	54,3	49
RK.SKS.20.9	9	17	54,3	49
RK.SKS.20.10	10	17	54,3	49
RK.SKS.20.11	11	17	54,3	49

SKS 20 ULTRA ↗ ≤ 0,005	$\varnothing d$	$\varnothing D$	L	L_1
RK.SKS.20.12	12	17	54,3	49
RK.SKS.20.13	13	17	54,3	49
RK.SKS.20.14	14	17	54,3	49
RK.SKS.20.15	15	17	54,3	49
RK.SKS.20.16	16	17	54,3	49
RK.SKS.20.17	17	17	54,3	49
RK.SKS.20.18	18	17	54,3	49
RK.SKS.20.19	19	17	54,3	49
RK.SKS.20.20	20	17	54,3	49



**ANZUGSBOLZEN
CODOLI
PULL STUDS**




INHALT - INDICE - INDEX

<p style="text-align: center;">MAS 403 BT</p> <p>OHNE LOCH / MIT LOCH / MIT DOPPELTER O-RING / VERLÄNGERTE SENZA FORO / FORATO / CON DOPPIO OR / PROLUNGATO WITHOUT BORE / WITH BORE / WITH DOUBLE O-RING / EXTENDED FOR MT SLEEVES</p>		<p style="text-align: right;">16-4</p>
<p style="text-align: center;">DIN 69872</p> <p>OHNE LOCH / MIT LOCH / HALB MIT LOCH / MIT DOPPELTER O-RING / VERLÄNGERTE SENZA FORO / FORATO / SEMIFORATO / CON DOPPIO OR / PROLUNGATO WITHOUT BORE / WITH BORE / WITH HALF BORE / WITH DOUBLE O-RING / EXTENDED FOR MT</p>		<p style="text-align: right;">16-7</p>
<p style="text-align: center;">ISO 7388/2A - ISO 7388/2B</p> <p>OHNE LOCH / MIT LOCH / VERLÄNGERTE / MIT ID-HOLE SENZA FORO / FORATO / PROLUNGATO / CON SEDE CHIP WITHOUT BORE / WITH BORE / EXTENDED FOR MT SLEEVES / WITH ID-HOLE</p>		<p style="text-align: right;">16-10</p>
<p style="text-align: center;">MAZAK</p> <p>OHNE LOCH / MIT LOCH SENZA FORO / FORATO WITHOUT COOLANT BORE / WITH COOLANT BORE</p>		<p style="text-align: right;">16-14</p>
<p style="text-align: center;">HURCO</p> <p>OHNE LOCH / MIT LOCH SENZA FORO / FORATO WITHOUT COOLANT BORE / WITH COOLANT BORE</p>		<p style="text-align: right;">16-16</p>
<p style="text-align: center;">JIS-B 6339</p> <p>OHNE LOCH / MIT LOCH / VERLÄNGERTE SENZA FORO / FORATO / PROLUNGATO WITHOUT COOLANT BORE / WITH COOLANT BORE</p>		<p style="text-align: right;">16-18</p>



<p style="text-align: center;">DIN 69871 OTT/TC</p> <p>OHNE LOCH / MIT LOCH SENZA FORO / FORATO WITHOUT COOLANT BORE / WITH COOLANT BORE</p>		<p style="text-align: center;">16-20</p>
<p style="text-align: center;">MAS 403 OTT/BT</p> <p>OHNE LOCH / MIT LOCH SENZA FORO / FORATO WITHOUT COOLANT BORE / WITH COOLANT BORE</p>		<p style="text-align: center;">16-22</p>
<p style="text-align: center;">KITAMURA</p> <p>ZYLINDRISCHE SPANNZANGEN FÜR KLEMMFUTTER UND HYDRODEHNSPANNFUTTER CILINDRICHE PER MANDRINI IDRAULICI E A FORTE SERRAGGIO STRAIGHT FOR HYDRAULIC AND POWER MILLING CHUCKS</p>		<p style="text-align: center;">16-24</p>
<p style="text-align: center;">MITSUI</p> <p>OHNE LOCH SENZA FORO WITHOUT COOLANT BORE</p>		<p style="text-align: center;">16-26</p>
<p style="text-align: center;">CHIRON</p> <p>OHNE LOCH SENZA FORO WITHOUT COOLANT BORE</p>		<p style="text-align: center;">16-28</p>
<p style="text-align: center;">C.B. FERRARI</p> <p>MIT LOCH FORATO WITH COOLANT BORE</p>		<p style="text-align: center;">16-30</p>



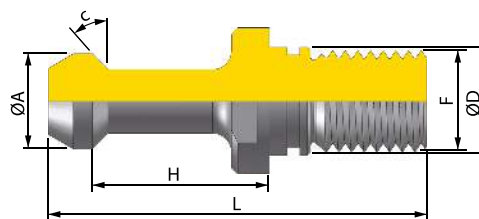
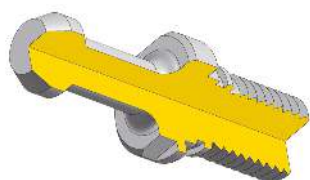


ANZUGSBOLZEN MAS 403 BT
CODOLI MAS 403 BT
PULL STUDS MAS 403 BT



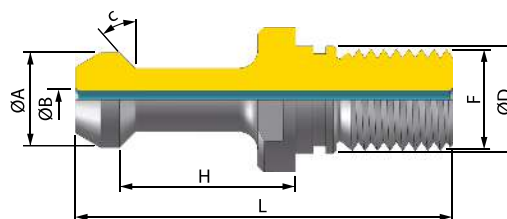
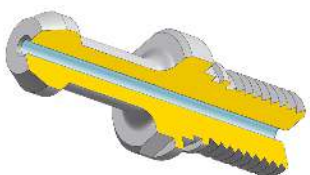
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE
	MIT DOPPELTEM O-RING CON DOPPIO OR WITH DOUBLE O-RING
	VERLÄNGERT FÜR MK HÜLSEN PROLUNGATO EXTENDED FOR MT SLEEVES

MAS 403 OHNE BOHRUNG - MAS 403 SENZA FORO - MAS 403 WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.BT30.1	M12	45°	12,5	11	18	43	BT 30	Without oring
RK.PS.BT30.2	M12	60°	12,5	11	18	43	BT 30	Without oring
RK.PS.BT30.3	M12	90°	12,5	11	18	43	BT 30	Without oring
RK.PS.BT40.1	M16	45°	17	15	28	60	BT 40	-
RK.PS.BT40.2	M16	60°	17	15	28	60	BT 40	-
RK.PS.BT40.3	M16	90°	17	15	28	60	BT 40	-
RK.PS.BT50.1	M24	45°	25	23	35	85	BT 50	-
RK.PS.BT50.2	M24	60°	25	23	35	85	BT 50	-
RK.PS.BT50.3	M24	90°	25	23	35	85	BT 50	-

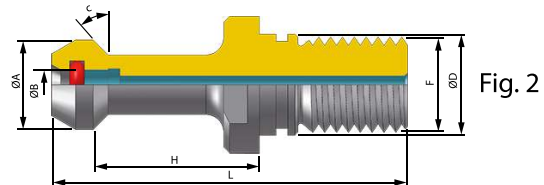
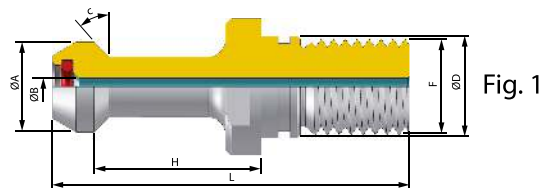
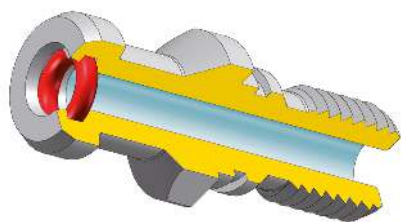
MAS 403 MIT BOHRUNG - MAS 403 FORATO - MAS 403 WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.BT30.1F	M12	45°	12,5	11	18	43	2,5	BT 30	Without oring
RK.PS.BT30.2F	M12	60°	12,5	11	18	43	2,5	BT 30	Without oring
RK.PS.BT30.3F	M12	90°	12,5	11	18	43	2,5	BT 30	Without oring
RK.PS.BT40.1F	M16	45°	17	15	28	60	3	BT 40	-
RK.PS.BT40.2F	M16	60°	17	15	28	60	3	BT 40	-
RK.PS.BT40.3F	M16	90°	17	15	28	60	3	BT 40	-
RK.PS.BT50.1F	M24	45°	25	23	35	85	6	BT 50	-
RK.PS.BT50.2F	M24	60°	25	23	35	85	6	BT 50	-
RK.PS.BT50.3F	M24	90°	25	23	35	85	6	BT 50	-

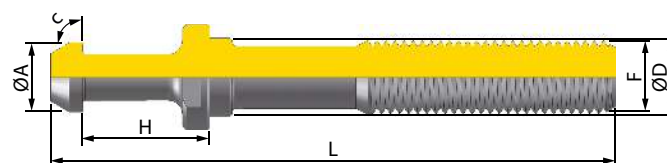
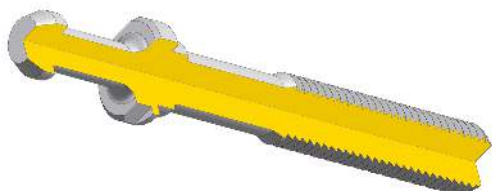


MAS 403 MIT BOHRUNG MIT DOPPELTEM O-RING - MAS 403 FORATO CON DOPPIO O-RING - MAS 403 WITH BORE WITH DOUBLE O-RING



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.BT40.1F20R	M16	45°	17	15	28	60	3	BT 40	Fig. 1
RK.PS.BT40.1F20R5	M16	45°	17	15	28	60	3	BT 40	Fig. 2
RK.PS.BT40.2F20R	M16	60°	17	15	28	60	3	BT 40	Fig. 1
RK.PS.BT50.1F20R	M24	45°	25	23	35	85	6	BT 50	Fig. 1
RK.PS.BT50.2F20R	M24	60°	25	23	35	85	6	BT 50	Fig. 1
RK.PS.BT50.3F20R	M24	90°	25	23	35	85	6	BT 50	Fig. 1

VERLÄNGERT FÜR MK HÜLSEN - PROLUNGATO - EXTENDED FOR MT SLEEVES



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.BT.PR.M10.1	M10	45°	17	15	28	120	BT 40	2
RK.PS.BT.PR.M12.1	M12	45°	17	15	28	120	BT 40	3
RK.PS.BT.PR.M16.1	M16	45°	17	15	28	125	BT 40	4
RK.PS.BT.PR.M10.2	M10	60°	17	15	28	120	BT 40	2
RK.PS.BT.PR.M12.2	M12	60°	17	15	28	120	BT 40	3
RK.PS.BT.PR.M16.2	M16	60°	17	15	28	125	BT 40	4
RK.PS.BT.PR.M10.3	M10	90°	17	15	28	120	BT 40	2
RK.PS.BT.PR.M12.3	M12	90°	17	15	28	120	BT 40	3
RK.PS.BT.PR.M16.3	M16	90°	17	15	28	125	BT 40	4



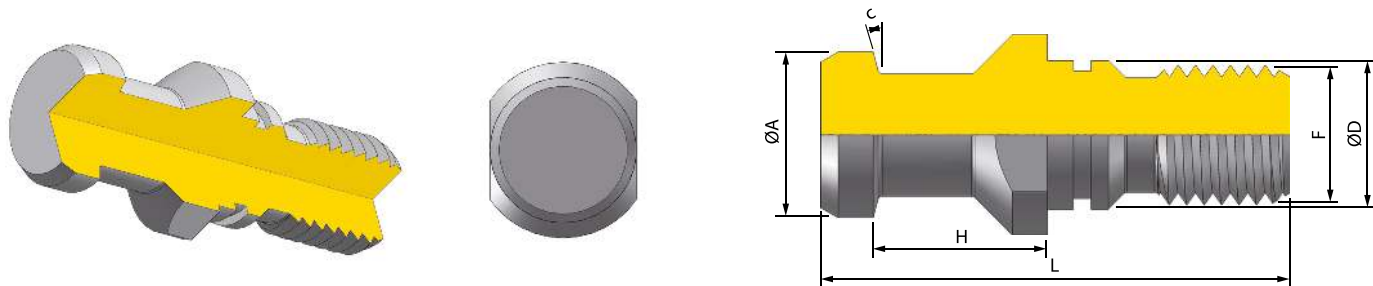
ANZUGSBOLZEN DIN 69872
CODOLI DIN 69872
PULL STUDS DIN 69872



	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE
	MIT HALBER BOHRUNG SEMIFORATO WITH HALF BORE
	MIT DOPPELTEM O-RING CON DOPPIO O-RING WITH DOUBLE O-RING
	VERLÄNGERT FÜR MK HÜLSEN PROLUNGATO EXTENDED FOR MT SLEEVES

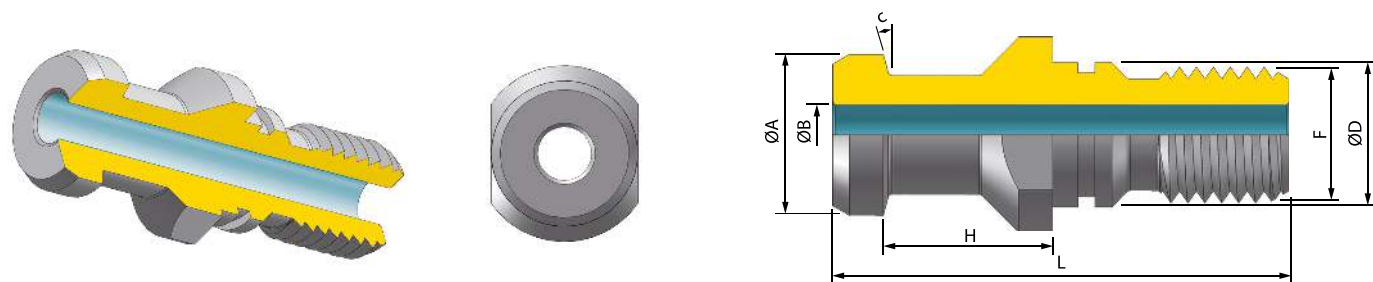


DIN 6972 OHNE BOHRUNG - DIN 6972 SENZA FORO - DIN 69872 WITHOUT BORE



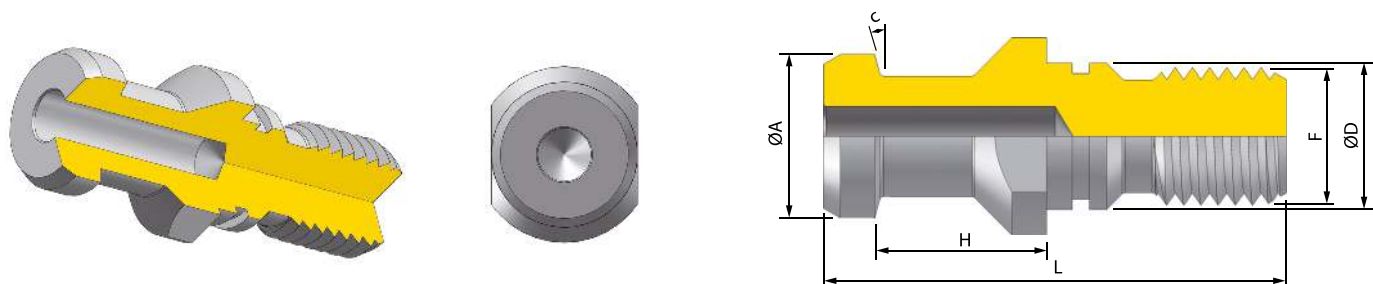
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.DIN30SF	M12	15°	13	13	19	44	DIN 30	Without oring
RK.PS.DIN40SF	M16	15°	17	19	20	54	DIN 40	Without oring
RK.PS.DIN45SF	M20	15°	21	23	23	65	DIN 45	Without oring
RK.PS.DIN50SF	M24	15°	25	28	25	74	DIN 50	Without orin

DIN 6972 MITBOHRUNG - DIN 6972 FORATO - DIN 69872 WITH BORE



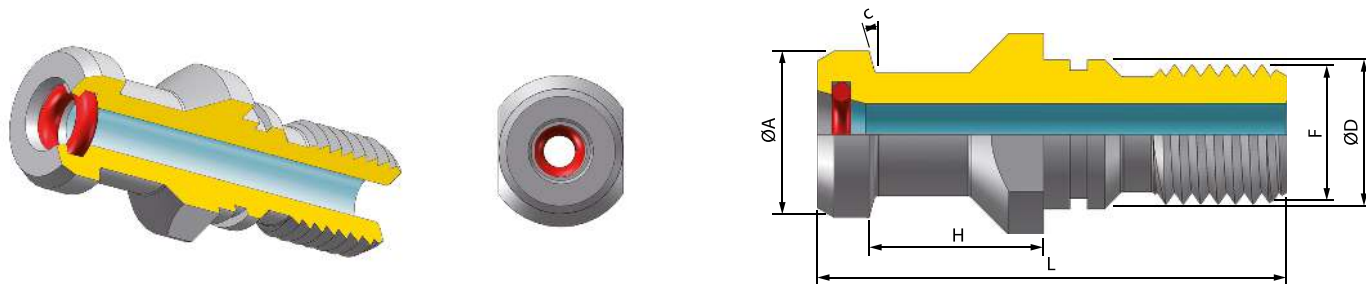
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.DIN30A	M12	15°	13	13	19	44	2,5	DIN 30	Without oring
RK.PS.DIN30.F4	M12	15°	13	13	19	44	4	DIN 30	Without oring
RK.PS.DIN40A	M16	15°	17	19	20	54	7	DIN 40	Without oring
RK.PS.DIN45A	M20	15°	21	23	23	65	9,5	DIN 45	Without oring
RK.PS.DIN50A	M24	15°	25	28	25	74	11,5	DIN 50	Without oring
RK.PS.DIN50A.F6	M24	15°	25	28	25	74	6	DIN 50	Without oring

DIN 69872 MIT HALBER BOHRUNG - DIN 69872 SEMIFORATO - DIN 69872 WITH HALF BORE



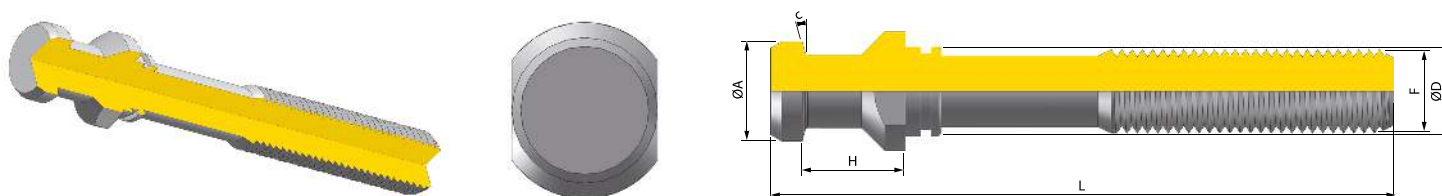
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.DIN40B	M16	15°	17	19	20	54	7	DIN 40	Without oring
RK.PS.DIN50B	M24	15°	25	28	25	74	11,5	DIN 50	Without oring

DIN 69872 MIT DOPPELTEM O-RING - DIN 6972 CON DOPPIO O-RING - DIN 69872 WITH DOUBLE O-RING



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.DIN40.20R	M16	15°	17	19	20	54	7	DIN 40
RK.PS.DIN40.20R-BT	M16	15°	17	19	23	54	7	DIN 40
RK.PS.DIN50.20R	M24	15°	25	28	25	74	11,5	DIN 50

DIN 69872 VERLÄNGERT FÜR MK HÜLSEN - DIN 69872 PROLUNGATO - DIN 69872 EXTENDED FOR MT SLEEVES



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.DIN.PR.M10.1	M10	15°	17	19	20	111	DIN 40	2
RK.PS.DIN.PR.M12.1	M12	15°	17	19	20	116	DIN 40	3
RK.PS.DIN.PR.M16.1	M16	15°	17	19	20	121	DIN 40	4

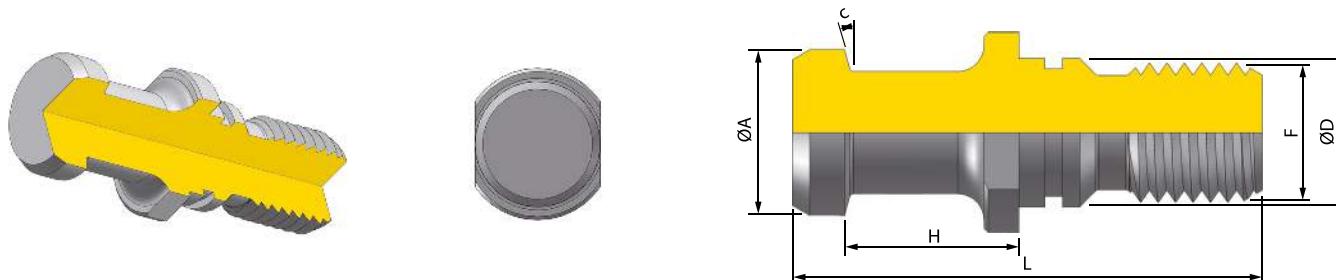


ANZUGSBOLZEN ISO 7388/2A - 7388/2B
CODOLI ISO 7388/2A - 7388/2B
PULL STUDS ISO 7388/2A - 7388/2B



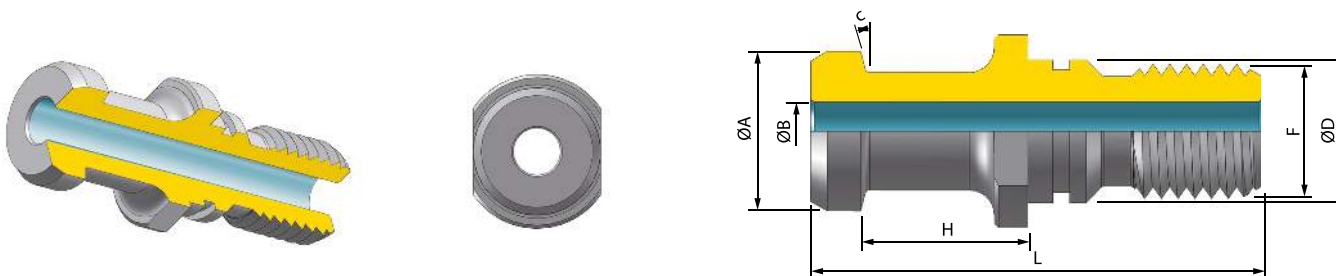
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	MIT BOHRUNG FORATO WITH BORE
	VERLÄNGERT FÜR MK HÜLSEN PROLUNGATO EXTENDED FOR MT SLEEVES
	MIT SPÄNESCHICHT CON SEDE CHIP WITH ID HOLE

ISO 7388/2A OHNE BOHRUNG - ISO 7388/2A SENZA FORO - ISO 7388/2A WITHOUT BORE



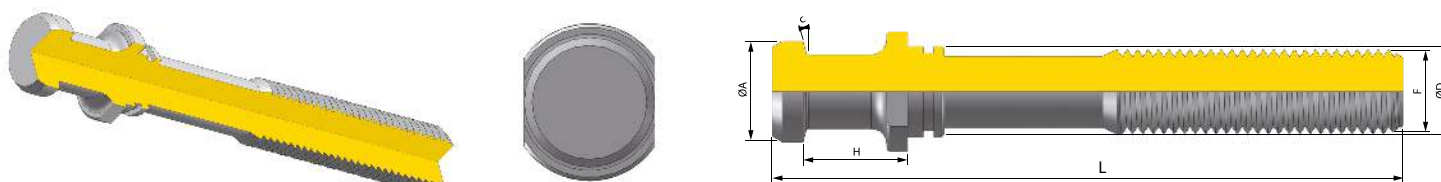
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RK.PS.TC30A	M12	15°	13	12	19	44	4	DIN 30
RK.PS.TC40A	M16	15°	17	19	20	54	7	DIN 40
RK.PS.TC50A	M24	15°	25	28	25	74	11,5	DIN 50

ISO 7388/2A MIT BOHRUNG - ISO 7388/2A FORATO - ISO 7388/2A WITH BORE



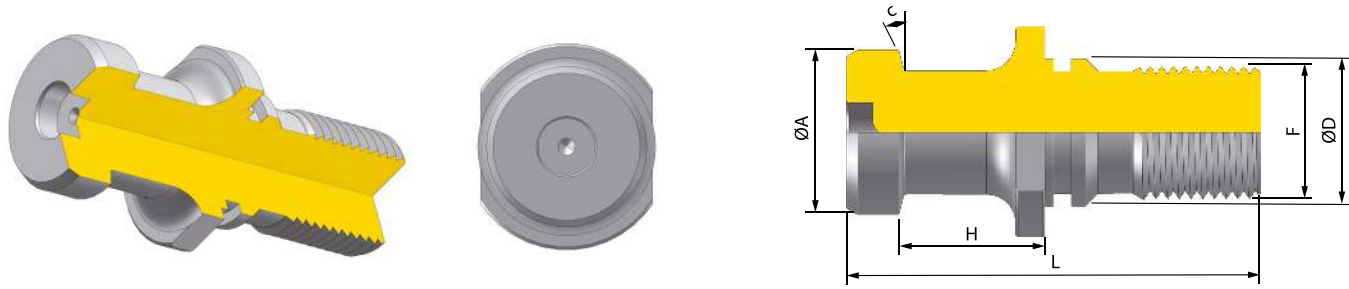
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.TC30A	M12	15°	13	12	19	44	4	DIN 30	Without o-ring
RK.PS.TC40A	M16	15°	17	19	20	54	7	DIN 40	Without o-ring
RK.PS.TC50A	M24	15°	25	28	25	74	11,5	DIN 50	Without o-ring

ISO 7388/2A VERLÄNGERT FÜR MK HÜLSEN - ISO 7388/2A PROLUNGATO - ISO 7388/2A EXTENDED FOR MT SLEEVES



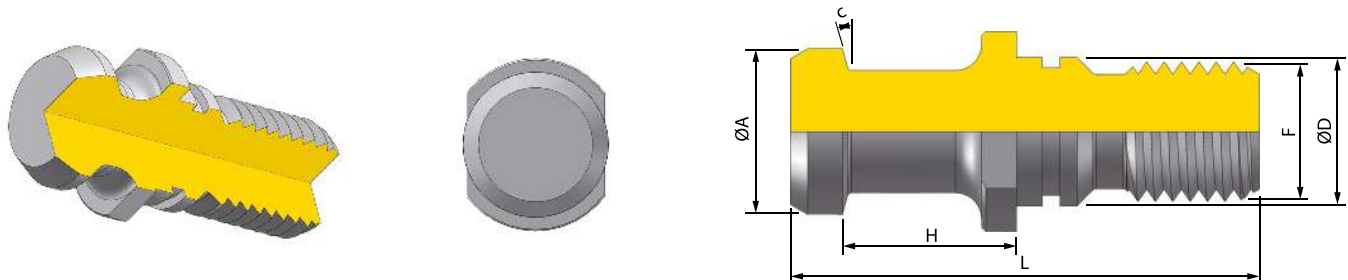
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.TC.PR.M10.1	M10	15°	17	19	20	111	DIN 40	2
RK.PS.TC.PR.M12.1	M12	15°	17	19	20	116	DIN 40	3
RK.PS.TC.PR.M16.1	M16	15°	17	19	20	121	DIN 40	4

ISO 7388/2A MIT SPÄNESCHICHT - ISO 7388/2A CON SEDE CHIP - ISO 7388/2A WITH ID HOLE



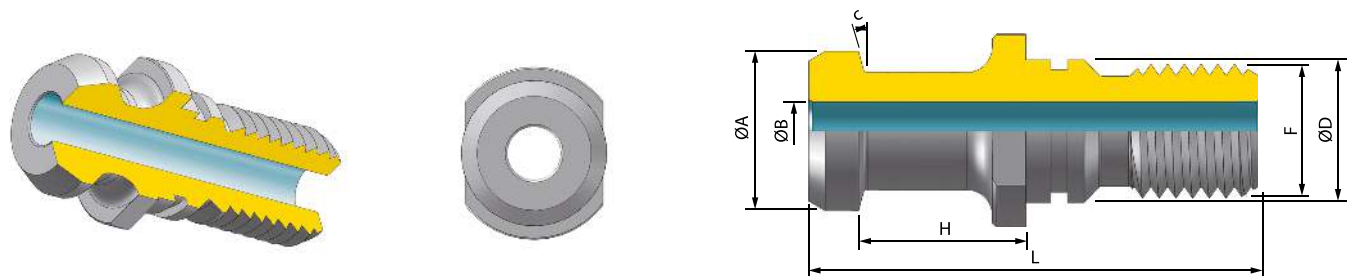
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
PS.TC40BF	M16	15°	17	19	20	54	10x4,7	DIN 40
PS.TC50BF1	M24	15°	25	28	25	74	12x8,4	DIN 50
PS.TC50.BF	M24	15°	25	28	25	74	10x4,7	DIN 50

ISO 7388/2B OHNE BOHRUNG - ISO 7388/2B SENZA FORO - ISO 7388/2B WITHOUT BORE

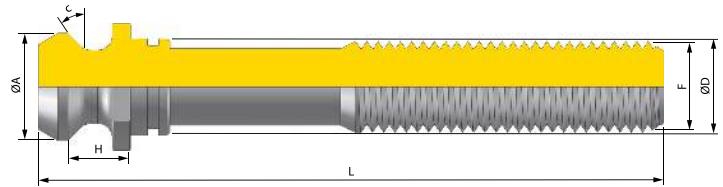
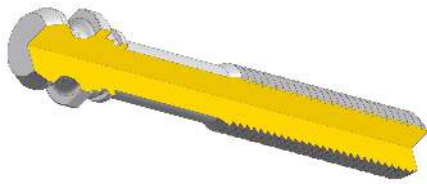


BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.TC30A.SF	M12	15°	13	12	19	44	DIN 30	Without oring
RK.PS.TC40A.SF	M16	15°	17	19	20	54	DIN 40	Without oring
RK.PS.TC50A.SF	M24	15°	25	28	25	74	DIN 50	Without oring

ISO 7388/2B MIT BOHRUNG - ISO 7388/2B FORATO - ISO 7388/2B WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.CAT30A	M12	45°	13	13,35	8,15	34	4	DIN 30	Without Ooring
RK.PS.CAT40A	M16	45°	17	18,95	11,15	44,5	7	DIN 40	Without Ooring
RK.PS.CAT50A	M24	45°	25	29,1	17,95	65,5	11,5	DIN 50	Without Ooring



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.CAT.PR.M10.1	M10	45°	17	18,95	11,15	101,4	DIN 40	2
RK.PS.CAT.PR.M12.1	M12	45°	17	18,95	11,15	106,4	DIN 40	3
RK.PS.CAT.PR.M16.1	M12	45°	17	18,95	11,15	111,4	DIN 40	4



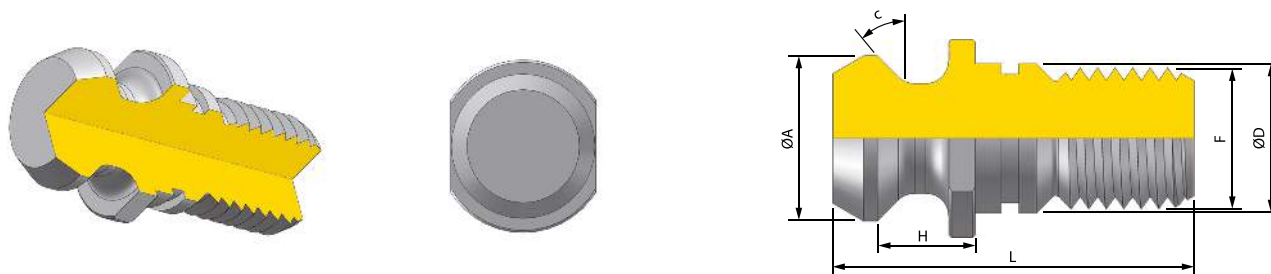


ANZUGSBOLZEN MAZAK
CODOLI MAZAK
PULL STUDS MAZAK



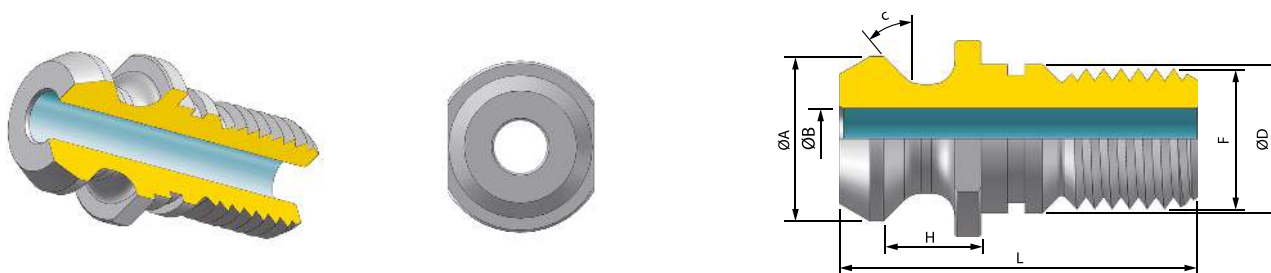
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE

MAZAK OHNE BOHRUNG - MAZAK SENZA FORO - MAZAK WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.CAT40.MZ1SF	M16	45°	17	18,8	11,17	41,25	DIN 40	Cat Metric
RK.PS.CAT40.MZ2SF	M16	45°	17	18,8	14,02	44,1	BT 40	BT

MAZAK MIT BOHRUNG - MAZAK FORATO - MAZAK WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.CAT40.MZ1	M16	45°	17	18,8	11,17	41,25	7	DIN 40
RK.PS.CAT40.MZ2	M16	45°	17	18,8	14,02	44,1	7	BT 40
RK.PS.CAT50.MZ3	M24	45°	25	28,95	17,58	65,2	10	BT 50
RK.PS.CAT50.MZ4	M24	45°	25	28,95	17,78	65,4	10	DIN 50

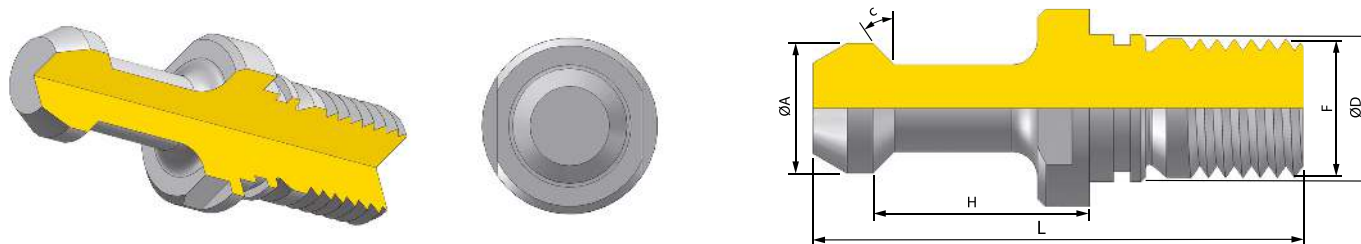


ANZUGSBOLZEN HURCO
CODOLI HURCO
PULL STUDS HURCO



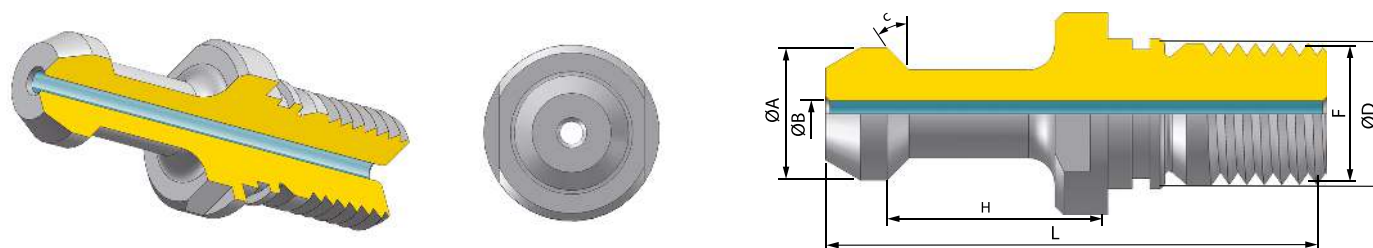
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE

HURCO OHNE BOHRUNG - HURCO SENZA FORO - HURCO WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.BT40-HC1.SF	M16	45°	17	15	25,15	57,15	6	BT 40
RK.PS.BT40-HC1.1.SF	M16	45°	17	15	25,15	57,15	3	BT 40
RK.PS.BT40-HC2.SF	M16	60°	17	15	25,15	57,15	6	BT 40
RK.PS.BT40-HC2.1.SF	M16	60°	17	15	25,15	57,15	3	BT 40
RK.PS.BT40-HC3.SF	M16	90°	17	15	25,15	57,15	6	BT 40
RK.PS.BT40-HC3.1.SF	M16	90°	17	15	25,15	57,15	3	BT 40

HURCO MIT BOHRUNG - HURCO FORATO - HURCO WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	TOOL SHANK	NOTE
RK.PS.BT40-HC1	M16	45°	17	15	25,15	57,15	6	3	BT 40
RK.PS.BT40-HC1.1	M16	45°	17	15	25,15	57,15	6	4,5	BT 40
RK.PS.BT40-HC1.2	M16	45°	17	15	25,15	57,15	3	3	BT 40
RK.PS.BT40-HC1.F4	M16	45°	17	15	25,15	57,15	6	4	BT 40
RK.PS.BT40-HC2	M16	60°	17	15	25,15	57,15	6	3	BT 40
RK.PS.BT40-HC2.2	M16	60°	17	15	25,15	57,15	3	3	BT 40
RK.PS.BT40-HC2.F4	M16	60°	17	15	25,15	57,15	6	4	BT 40
RK.PS.BT40-HC3	M16	90°	17	15	25,15	57,15	6	3	BT 40
RK.PS.BT40-HC3.2	M16	90°	17	15	25,15	57,15	3	3	BT 40

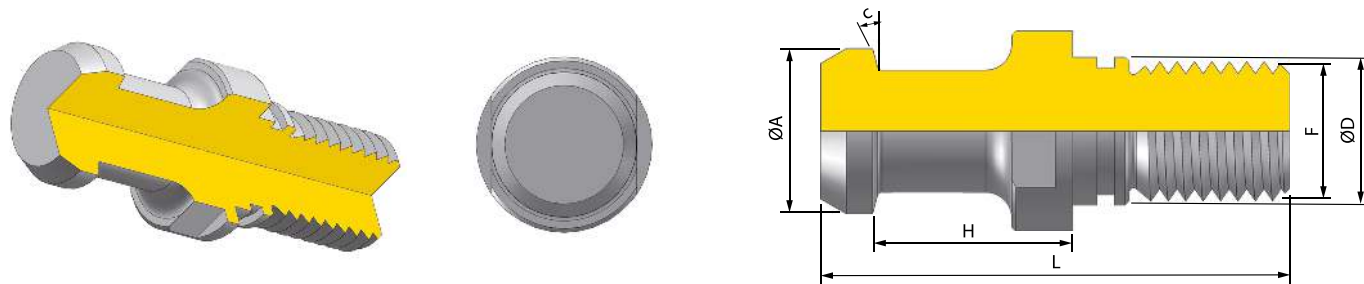


ANZUGSBOLZEN JIS-B 6339
CODOLI JIS-B 6339
PULL STUDS JIS-B 6339



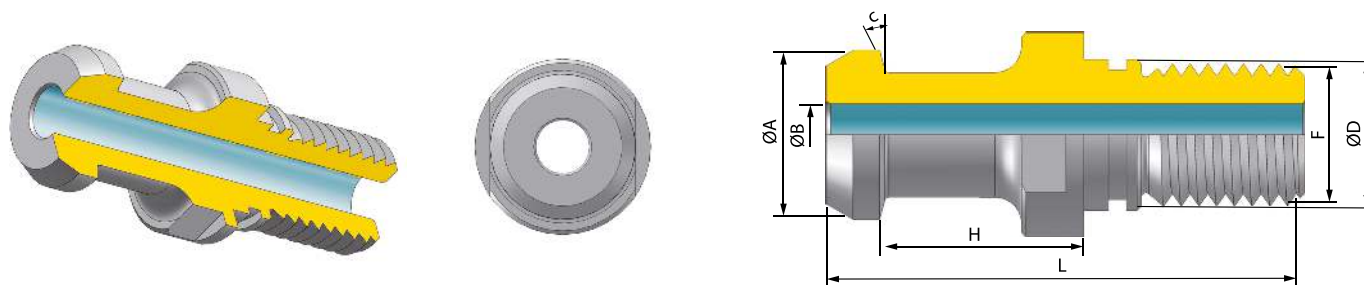
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE
	VERLÄNGERT FÜR MK HÜLSEN PROLUNGATO EXTENDED FOR MT SLEEVES

JIS-B 6339 OHNE BOHRUNG - JIS-B 6339 SENZA FORO - JIS-B 6339 WITHOUT BORE



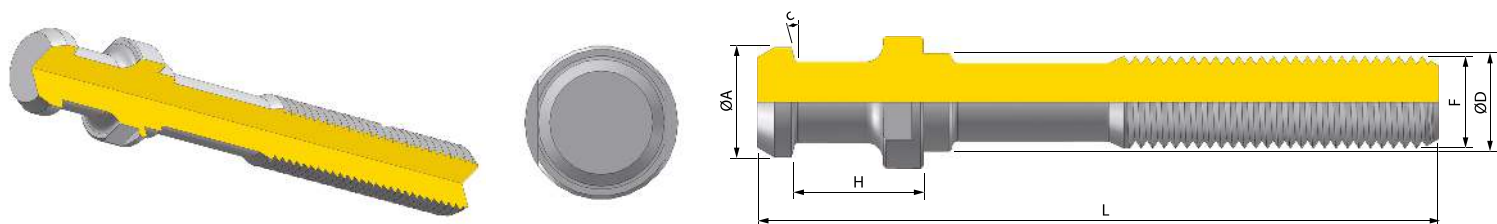
BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.JS30SF	M12	15°	12,5	12	18,4	43	BT 30	Without o-ring
RK.PS.JS40SF	M16	15°	17	19	23	54	BT 40	-
RK.PS.JS50SF	M24	15°	25	28	25	74	BT 50	-

JIS-B 6339 MIT BOHRUNG - JIS-B 6339 FORATO - JIS-B 6339 WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.JS30-3	M12	15°	12,5	12	18,4	43	3	BT 30
RK.PS.JS40-3	M16	15°	17	19	23	54	3	BT 40
RK.PS.JS40-4	M16	15°	17	19	23	54	4	BT 40
RK.PS.JS40-5	M16	15°	17	19	23	54	5	BT 40
RK.PS.JS40-554	M16	15°	17	19	23	54	5,5 - 4	BT 40
RK.PS.JS40-6	M16	15°	17	19	23	54	6	BT 40
RK.PS.JS40-7	M16	15°	17	19	23	54	7	BT 40
RK.PS.JS50-10	M24	15°	25	28	25	74	10	BT 50

JIS-B 6339 VERLÄNGERT FÜR MK HÜLSEN - JIS-B 6339 PROLUNGATO - JIS-B 6339 EXTENDED FOR MT SLEEVES



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.JS.PR.M10.1	M10	15°	17	19	23	114	BT 40	2
RK.PS.JS.PR.M12.1	M12	15°	17	19	23	114	BT 40	3
RK.PS.JS.PR.M16.1	M16	15°	17	19	23	119	BT 40	4

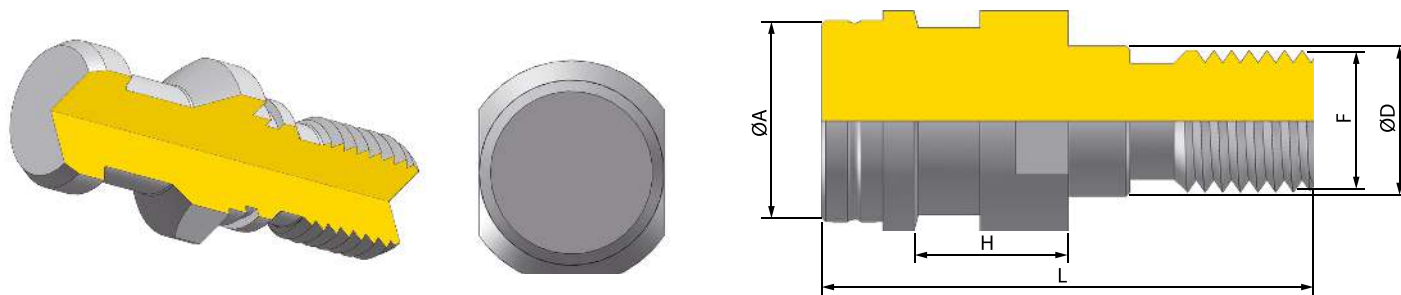


ANZUGSBOLZEN DIN 69871 OTT/TC
CODOLI DIN 69871 OTT/TC
PULL STUDS DIN 69871 OTT/TC



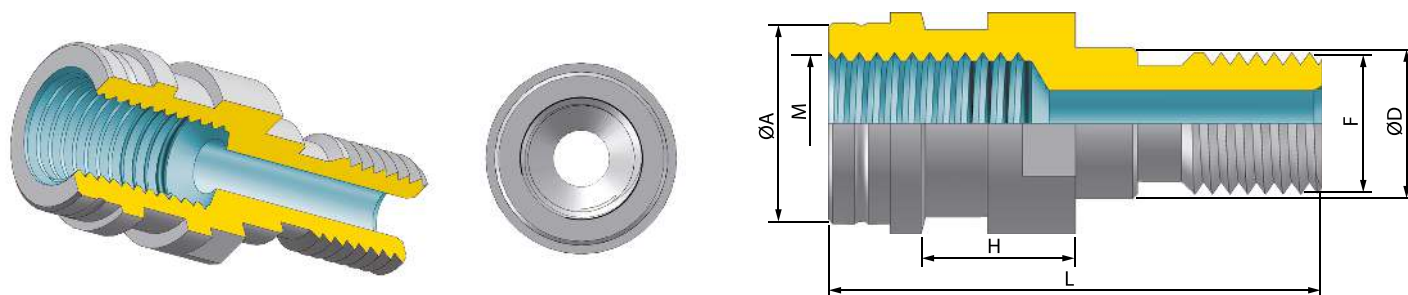
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE

DIN 69871 OTT/TC OHNE BOHRUNG - DIN 69871 OTT/TC SENZA FORO - DIN 69871 OTT/TC WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	NOTE
RK.PS.OTT40TC.SF	M16	17	25	14,52	53,1	DIN 40
RK.PS.OTT50TC.SF	M24	25	39,6	14	65	DIN 50

DIN 69871 OTT/TC MIT BOHRUNG - DIN 69871 OTT/TC FORATO - DIN 69871 OTT/TC WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	M	NOTE
RK.PS.OTT40TC	M16	17	25	14,52	53,1	M16	DIN 40
RK.PS.OTT50TC	M24	25	39,6	14	65	-	DIN 50

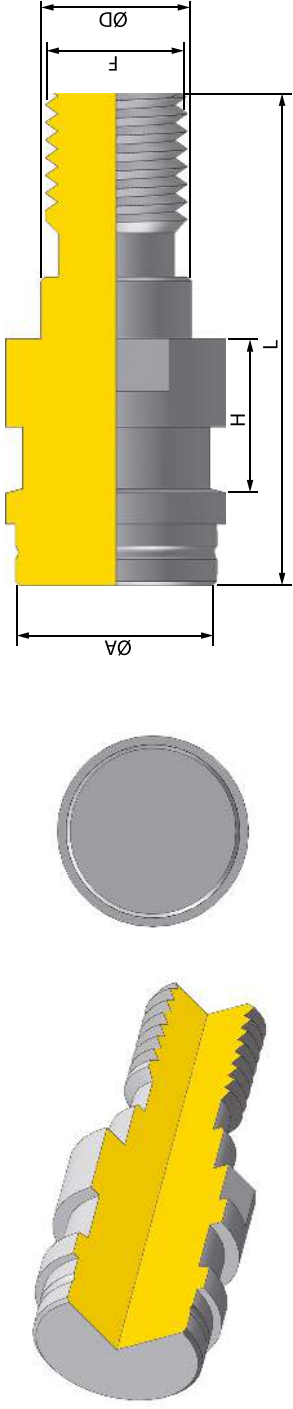


ANZUGSBOLZEN MAS 403 OTT/TC
CODOLI MAS 403 OTT/TC
PULL STUDS MAS 403 OTT/TC



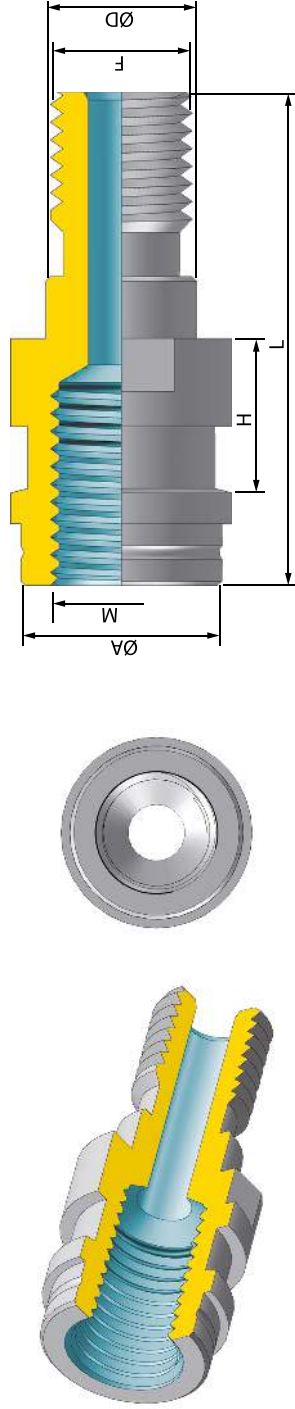
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE

MAS 403 OTT/BT OHNE BOHRUNG - MAS 403 OTT/BT SENZA FORO - MAS 403 OTT/BT WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	M	NOTE
RK.PS.OTT40BT.SF	M16	17	25	17,54	56	-	DIN 40
RK.PS.OTT50BT.SF	M24	25	39,6	14	65	-	DIN 50

MAS 403 OTT/BT MIT BOHRUNG - MAS 403 OTT/BT FORATO - MAS 403 OTT/BT WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	M	NOTE
RK.PS.OTT40BT	M16	17	25	17,54	56	M16	DIN 40
RK.PS.OTT50BT	M24	25	39,6	14	65	M24	DIN 50



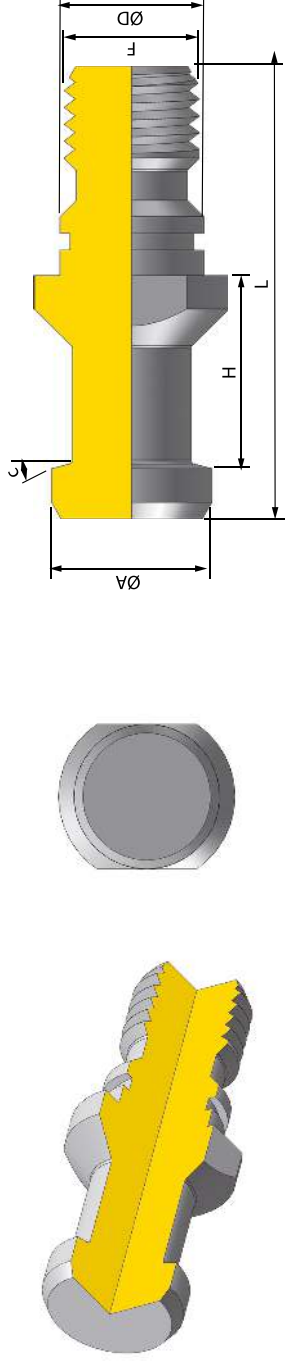


ANZUGSBOLZEN KITAMURA
CODOLI KITAMURA
PULL STUDS KITAMURA



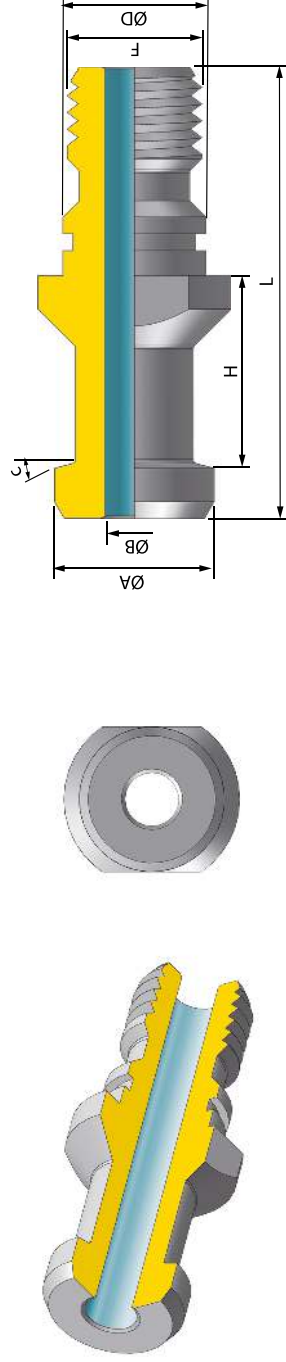
	OHNE BOHRUNG SENZA FORO WITHOUT BORE
	MIT BOHRUNG FORATO WITH BORE

KITAMURA OHNE BOHRUNG - KITAMURA SENZA FORO - KITAMURA WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.KITAMURA-M16/SF	M16	15°	17	19	23,2	57,2	-	BT 40
RK.PS.KITAMURA-M12/SF	M12	45°	21,5	13	22,5	48	-	BT 30

KITAMURA MIT BOHRUNG - KITAMURA FORATO - KITAMURA WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.KITAMURA-M16/F7	M16	15°	17	19	23	54	7	BT 40





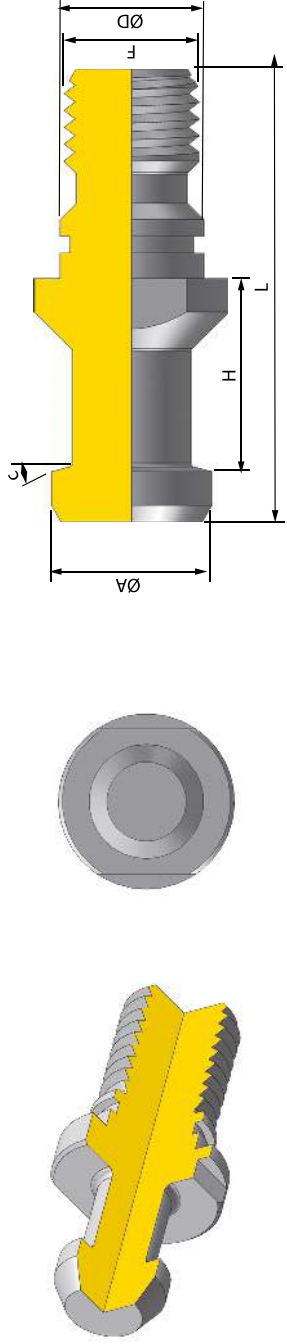
**ANZUGSBOLZEN MITSUI
CODOLI MITSUI
PULL STUDS MITSUI**



**OHNE BOHRUNG
SENZA FORO
WITHOUT BORE**

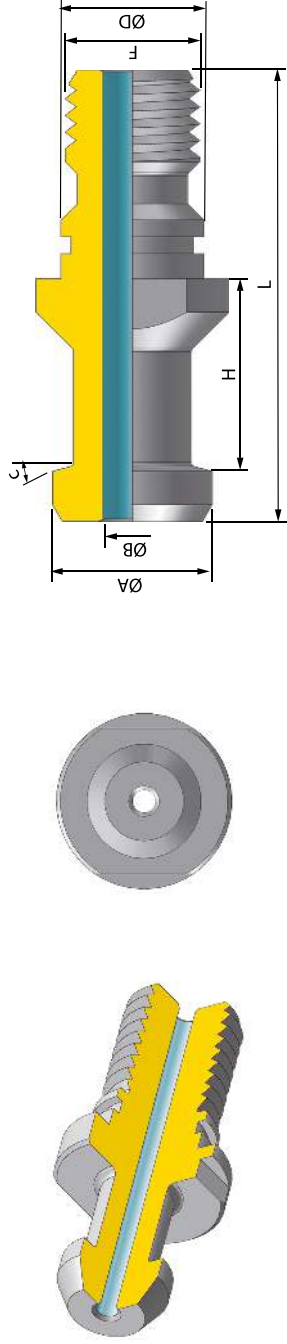
**MIT BOHRUNG
FORATO
WITH BORE**

MITSUI OHNE BOHRUNG - MITSUI SENZA FORO - MITSUI WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	NOTE
RK.PS.BT40.31	M16	90°	17	15	18	50	BT 40
RK.PS.BT50.31	M24	90°	25	24	23	71	BT 50

MITSUI MIT BOHRUNG - MITSUI FORATO - MITSUI WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS.BT40.31F	M16	90°	17	15	18	50	3	BT 40
RK.PS.BT50.31F	M24	90°	25	24	23	71	8	BT 50



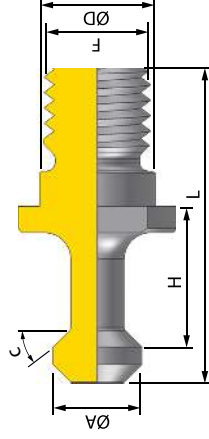
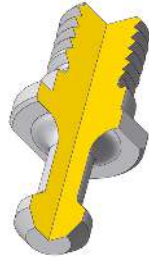


ANZUGSBOLZEN CHIRON
CODOLI CHIRON
PULL STUDS CHIRON



OHNE BOHRUNG
SENZA FORO
WITHOUT BORE

CHIRON OHNE BOHRUNG - CHIRON SENZA FORO - CHIRON WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	$\varnothing D$	$\varnothing A$	H	M	NOTE
RK.PS.CH30	M12	45°	13	10	16	36	BT 30





ANZUGSBOLZEN C.B. FERRARI
CODOLI C.B. FERRARI
PULL STUDS C.B. FERRARI



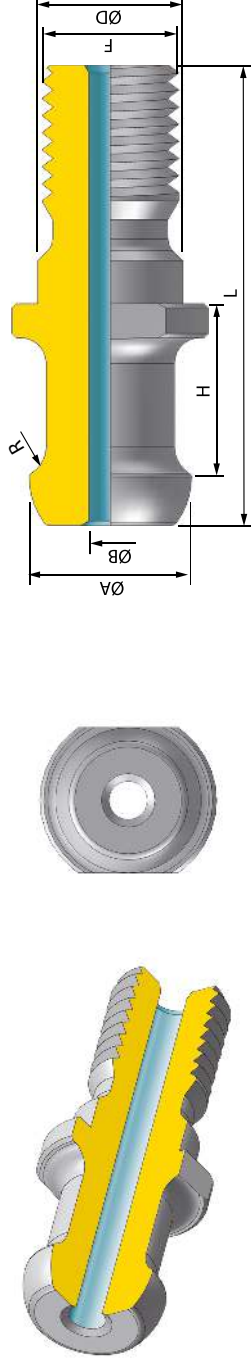
MIT BOHRUNG
FORATO
WITH BORE

FERRARI HNE BOHRUNG - FERRARI ENZA FORO - FERRARI WITHOUT BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	M	NOTE
RK.PS.050185-C.B.F.-M16	M16	3,7	16	57	5	BT40	050185

FERRARI MIT BOHRUNG - FERRARI FORATO - FERRARI WITH BORE



BESTELL.-NR. ARTICOLO ORDER NR.	F	C	ØD	ØA	H	L	ØB	NOTE
RK.PS-051385.C.B.F.-M12	M12	3,4	13	12	19,5	44	3	BT 30
RK.PS-051185.C.B.F.-M16.1	M16	3,7	17	19	20,31	54	5	BT 40
RK.PS.C.B.F.-M24	M24	4,3	25	28	25,5	74	6	BT 50





**SPANNMUTTERN
GHIERE
CLAMPING NUTS**




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<p align="center">ECCENTRICHE</p> <p>EZENTRISCHE STANDARD - EXZENTRISCHE MINI STANDARD - MINI STANDARD ECCENTRIC - MINI ECCENTRIC</p>		<p align="center">17-7</p>
<p align="center">ECCENTRICHE ESAGONALI</p> <p>SECHSKANTIGE EXZENTRISCHE STANDARD - SECHSKANTIGE EXZENTRISCHE MINI STANDARD - MINI ECCENTRIC HEXAGONAL STANDARD - ECCENTRIC HEXAGONAL MINI</p>		<p align="center">17-9</p>
<p align="center">PER ALTA VELOCITÀ CONCENTRICHE</p> <p>FÜR HOHE GLEICHMITTIGE GESCHWINDIGKEIT STANDARD - MINI STANDARD - MINI STANDARD CONCENTRIC - MINI CONCENTRIC</p>		<p align="center">17-11</p>
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<p align="center">CON CUSCINETTO A SFERA</p> <p>MIT KUGELLAGER EXZENTRISCH - MIT KUGELLAGER GLEICHMITTIG ECCENTRICHE - CONCENTRICHE BALL-BEARING CLAMPING NUT ECCENTRIC-CONCENTRIC (WITH AND WITHOUT NOTCH)</p>		<p align="center">17-16</p>
<p align="center">PER EOC DIN 6388</p> <p>FÜR EOC DIN6388 CONCENTRICHE - A SFERA FOR COLLETS EOC DIN 6388 - CONCENTRIC - BALL BEARING</p>		<p align="center">17-19</p>

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RK-

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<p style="text-align: center;">CON FILETTO ESTERNO</p> <p>MIT AUSSENGENWINDE FORM (A) MIT BOHRUNGEN – MIT SECHSKANT FORMA A CON FORI - CON ESAGONO EXTERNALLY THREADED NUTS - EXTERNALLY THREADED EXAGONAL NUTS</p>		<p>17-23</p>
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<p style="text-align: center;">SENZA TACCHE</p> <p>OHNE RASTEN EXZENTRISCHE - OHNE RASTEN GLEICHMITTIG ECCENTRICHE - CONCENTRICHE ECCENTRIC - CONCENTRIC</p>		<p>17-31</p>
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**FÜR SPANNZANGEN SKS
PER PINZE SKS
FOR SKS COLLETS**



STANDARD
STANDARD
STANDARD

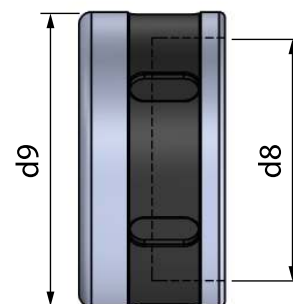


FÜR SPANNZANGEN SKS

PER PINZE SKS

FOR COLLETS SKS

COD.	TYPE	d9	d8
NUT.10.SKS	SKS10	30	M21,5X1
NUT.20.SKS	SKS20	48,5	M40X1





**EZENTRISCH
ECCENTRICHE
ECCENTRIC**



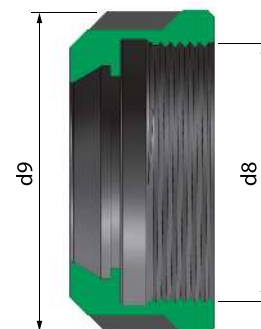
	STANDARD STANDARD STANDARD
	MINI MINI MINI

EZENTRISCHER STANDARD - RECHTS

ECCENTRICA STANDARD - DX

ECCENTRIC STANDARD - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.ST	ERX16	32	M22x1,5
RK.NUT.20.ST	ERX20	35	M25x1,5
RK.NUT.25.ST	ERX25	42	M32x1,5
RK.NUT.32.ST	ERX32	50	M40x1,5
RK.NUT.40.ST	ERX40	63	M50x1,5
RK.NUT.50.ST	ERX50	78	M64x2
RK.NUT.60.ST	ERX60	84	M70x1,5

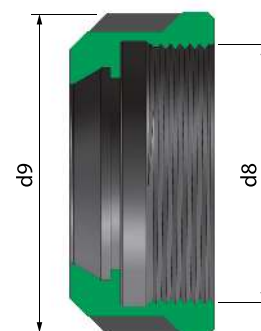


EZENTRISCHER STANDARD - LINKS

ECCENTRICA STANDARD - SX

ECCENTRIC STANDARD - LEFT

COD.	TYPE	d9	d8
RK.NUT.16.ST.L	ERX16	32	M22x1,5 sin
RK.NUT.20.ST.L	ERX20	35	M25x1,5 sin
RK.NUT.25.ST.L	ERX25	42	M32x1,5 sin
RK.NUT.32.ST.L	ERX32	50	M40x1,5 sin
RK.NUT.40.ST.L	ERX40	63	M50x1,5 sin

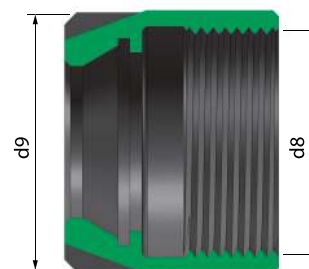


EZENTRISCHER MINI - RECHTS

ECCENTRICA MINI - DX

ECCENTRIC MINI - RIGHT

COD.	TYPE	d9	d8
RK.NUT.8.MINI	ERX8M	12	M10x0,75
RK.NUT.11.MINI	ERX11M	16	M13x0,75
RK.NUT.16.MINI	ERX16M	22	M19x1
RK.NUT.20.MINI	ERX20M	28	M24x1
RK.NUT.25.MINI	ERX25M	35	M30x1

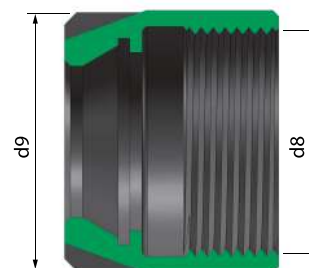


EZENTRISCHER MINI - LINKS

ECCENTRICA MINI - SX

ECCENTRIC MINI - LEFT

COD.	TYPE	d9	d8
RK.NUT.11.MINI.L	ERX11M	16	M13x0,75 sin
RK.NUT.16.MINI.L	ERX16M	22	M19x1 sin
RK.NUT.20.MINI.L	ERX20M	28	M24x1 sin
RK.NUT.25.MINI.L	ERX25M	35	M30x1 sin





**EZENTRISCH SECHSKANT
ECCENTRICHE ESAGONALI
ECCENTRIC HEXAGONAL**



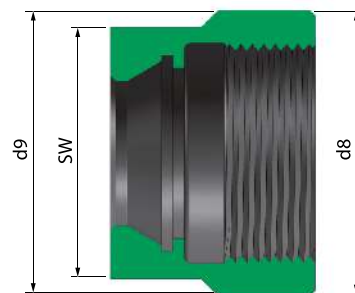
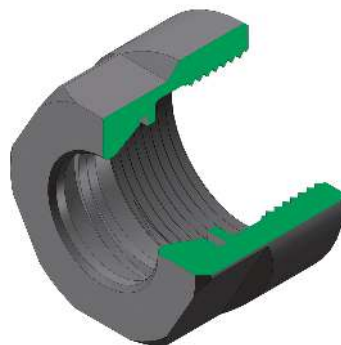
	STANDARD STANDARD STANDARD
	MINI MINI MINI

EZENTRISCHER SECHSKANT STANDARD RECHTS

ECCENTRICA ESAGONALE STANDARD - DX

ECCENTRIC HEXAGONAL STANDARD RIGHT

COD.	TYPE	d9	d8	SW
RK.NUT.11.EX	ERX11SE	19	M14x0,75	17
RK.NUT.16.EX	ERX16SE	28	M22x1,5	25
RK.NUT.20.EX	ERX20SE	34	M25x1,5	30

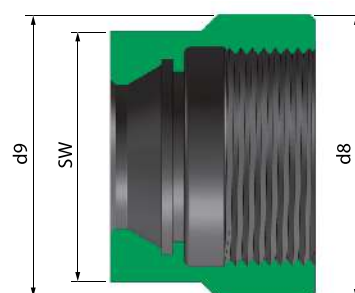
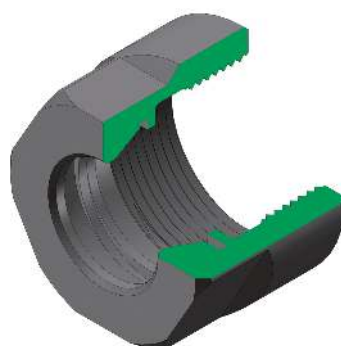


EZENTRISCHER SECHSKANT STANDARD LINKS

ECCENTRICA ESAGONALE STANDARD - SX

ECCENTRIC HEXAGONAL STANDARD LEFT

COD.	TYPE	d9	d8	SW
RK.NUT.11.EX.L	ERX11SEL	19	M14x0,75 sin	17
RK.NUT.16.EX.L	ERX16SEL	28	M22x1,5 sin	25
RK.NUT.20.EX.L	ERX20SEL	34	M25x1,5 sin	30

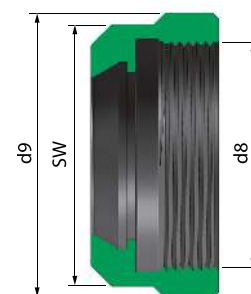
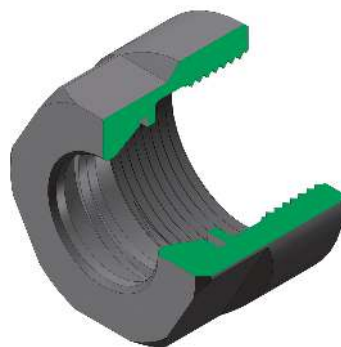


EZENTRISCHER SECHSKANT MINI RECHTS

ECCENTRICA ESAGONALE MINI - DX

ECCENTRIC HEXAGONAL MINI RIGHT

COD.	TYPE	d9	d8	SW
RK.NUT.11.MINI.EX	ERX11MSE	16	M13x0,75	14
RK.NUT.16.MINI.EX	ERX16MSE	25	M19x1	22
RK.NUT.20.MINI.EX	ERX20MSE	30	M24x1	27





KONZENTRISCH FÜR HOCHGESCHWINDIGKEIT
CONCENTRICHE PER ALTA VELOVITÀ
CONCENTRIC FOR HIGH SPEED



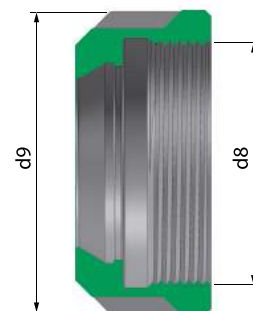
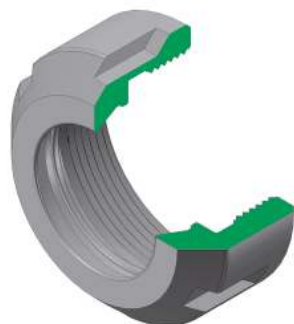
	STANDARD STANDARD STANDARD
	MINI MINI MINI

KONZENTRISCH STANDARD - RECHTS

CONCENTRICA STANDARD - DX

CONCENTRIC STANDARD - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.C	ERX16	32	M22x1,5
RK.NUT.20.C	ERX20	35	M25x1,5
RK.NUT.25.C	ERX25	42	M32x1,5
RK.NUT.32.C	ERX32	50	M40x1,5
RK.NUT.40.C	ERX40	63	M50x1,5

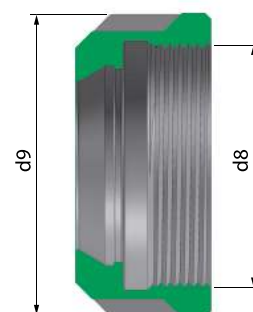
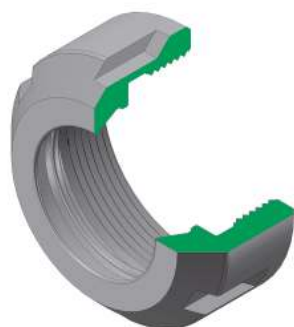


KONZENTRISCH STANDARD - LINKS

CONCENTRICA STANDARD - SX

CONCENTRIC STANDARD - LEFT

COD.	TYPE	d9	d8
RK.NUT.16.C.L	ERX16	32	M22x1,5 sin
RK.NUT.20.C.L	ERX20	35	M25x1,5 sin
RK.NUT.25.C.L	ERX25	42	M32x1,5 sin
RK.NUT.32.C.L	ERX32	50	M40x1,5 sin
RK.NUT.40.C.L	ERX40	63	M50x1,5 sin

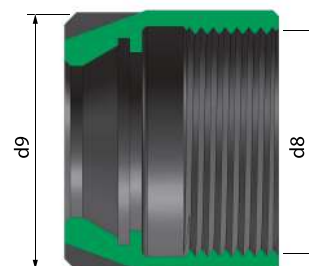


KONZENTRISCH MINI - RECHTS

CONCENTRICA MINI - DX

CONCENTRIC MINI - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.MINI.C	ERX16M	22	M19x1
RK.NUT.20.MINI.C	ERX20M	28	M24x1
RK.NUT.25.MINI.C	ERX25M	35	M30x1





**KONZENTRISCH SECHSKANT
CONCENTRICHE ESAGONALI
CONCENTRIC HEXAGONAL**



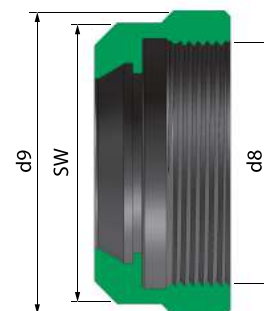
STANDARD
STANDARD
STANDARD

KONZENTRISCH SECHSKANT - RECHTS

CONCENTRICA ESAGONALI - DX

CONCENTRIC HEXAGONAL - RIGHT

COD.	TYPE	d9	d8	SW
RK.NUT.16.EX.C	ERX16	28	M22x1,5	25
RK.NUT.20.EX.C	ERX20	34	M25x1,5	30
RK.NUT.25.EX.C	ERX25	42	M32x1,5	38

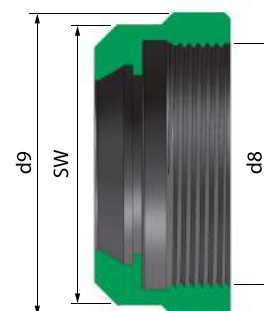


KONZENTRISCH SECHSKANT - LINKS

CONCENTRICA ESAGONALI - SX

CONCENTRIC HEXAGONAL - LEFT

COD.	TYPE	d9	d8	SW
RK.NUT.16.EX.C.L	ERX16 sx	28	M22x1,5 sin	25
RK.NUT.20.EX.C.L	ERX20 sx	34	M25x1,5 sin	30







KUGELLAGERMUTTERN GHIERA A SFERA BALL-BEARING NUTS

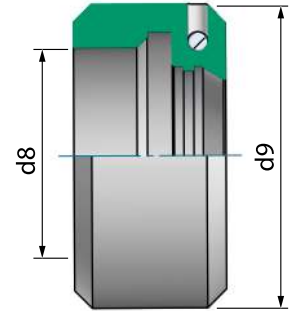
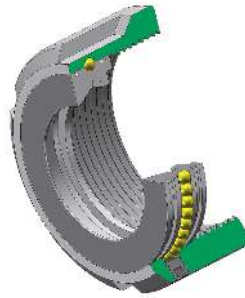


	EZENTRISCH MIT NUTEN ECCENTRICHE CON TACCHE ECCENTRIC WITH NOTCHES
	KONZENTRISCH MIT NUTEN CONCENTRICHE CON TACCHE CONCENTRIC WITH NOTCHES
	EZENTRISCH OHNE NUTEN ECCENTRICHE SENZA TACCHE ECCENTRIC WITHOUT NOTCHES
	KONZENTRISCH OHNE NUTEN CONCENTRICHE SENZA TACCHE CONCENTRIC WITHOUT NOTCHES



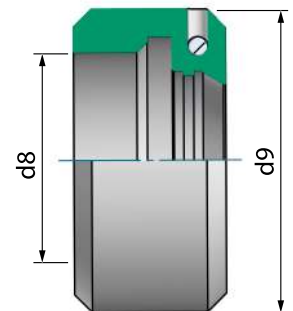
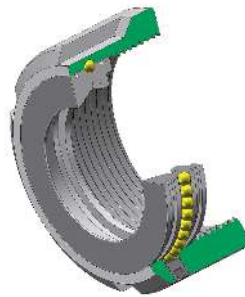
KUGELLAGERMUTTERN EXZENTRISCH - RECHTS
GHIERA A SFERA STANDARD ECCENTRICHE - DX
BALL-BEARING NUTS ECCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.BB.ST	ERX16	32	M22x1,5
RK.NUT.20.BB.ST	ERX20	35	M25x1,5
RK.NUT.25.BB.ST	ERX25	42	M32x1,5
RK.NUT.32.BB.ST	ERX32	50	M40x1,5
RK.NUT.40.BB.ST	ERX40	63	M50x1,5
RK.NUT.50.BB.ST	ERX50	78	M64x2
RK.NUT.60.BB.ST	ERX60	83	M70x1,5
RK.NUT.90.BB.ST	ERX90	132	M110x1,5



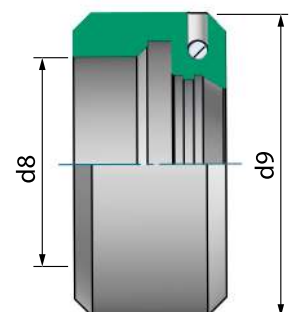
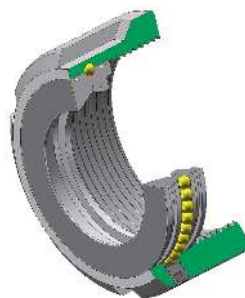
KUGELLAGERMUTTERN EXZENTRISCH - LINKS
GHIERA A SFERA STANDARD ECCENTRICHE - SX
BALL-BEARING NUTS ECCENTRIC - LEFT

COD.	TYPE	d9	d8
RK.NUT.32.BB.ST.L	ERX32	50	M40x1,5 sin
RK.NUT.40.BB.ST.L	ERX40	63	M50x1,5 sin



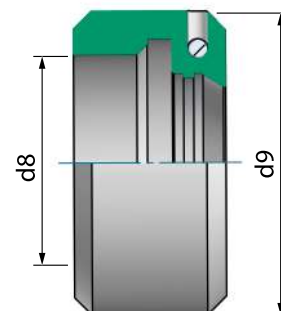
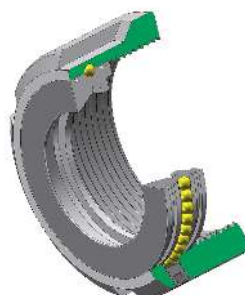
KUGELLAGERMUTTERN KONZENTRISCH - RECHTS
GHIERA A SFERA STANDARD CONCENTRICA - DX
BALL-BEARING NUTS CONCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.20.BB.C	ERX20	35	M25x1,5
RK.NUT.25.BB.C	ERX25	42	M32x1,5
RK.NUT.32.BB.C	ERX32	50	M40x1,5
RK.NUT.40.BB.C	ERX40	63	M50x1,5



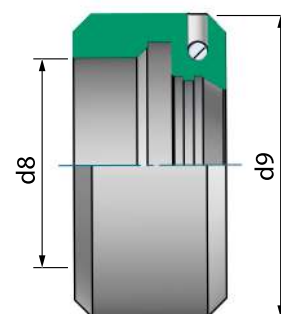
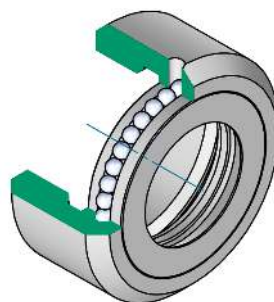
KUGELLAGERMUTTERN KONZENTRISCH - LINKS
GHIERA A SFERA STANDARD CONCENTRICA - SX
BALL-BEARING NUTS CONCENTRIC - LEFT

COD.	TYPE	d9	d8
RK.NUT.32.BB.C.L	ERX32	50	M40x1,5 sin
RK.NUT.40.BB.C.L	ERX40	63	M50x1,5 sin



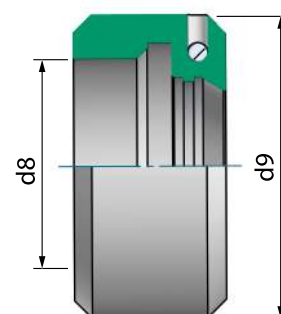
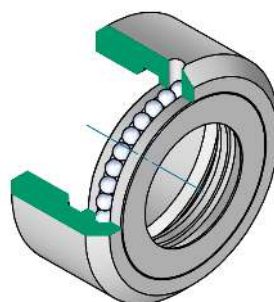
KUGELLAGERMUTTERN EXZENTRISCH - RECHTS
GHIERA A SFERA SENZA TACCHE ECCENTRICHE - DX
BALL-BEARING NUTS WITHOUT NOTCHES ECCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.BB.NF.ST	ERX16	32	M22x1,5
RK.NUT.20.BB.NF.ST	ERX20	35	M25x1,5
RK.NUT.25.BB.NF.ST	ERX25	42	M32x1,5
RK.NUT.32.BB.NF.ST	ERX32	50	M40x1,5
RK.NUT.40.BB.NF.ST	ERX40	63	M50x1,5



KUGELLAGERMUTTERN KONZENTRISCH - LINKS
GHIERA A SFERA STANDARD ECCENTRICHE - SX
BALL-BEARING NUTS ECCENTRIC - LEFT

COD.	TYPE	d9	d8
RK.NUT.16.BB.NF.C	ERX16	32	M22x1,5
RK.NUT.20.BB.NF.C	ERX20	35	M25x1,5
RK.NUT.25.BB.NF.C	ERX25	42	M32x1,5
RK.NUT.32.BB.NF.C	ERX32	50	M40x1,5
RK.NUT.40.BB.NF.C	ERX40	63	M50x1,5





MUTTER FÜR EOC DIN 6388
GHIERA PER EOC DIN 6388
NUT FOR EOC DIN 6388

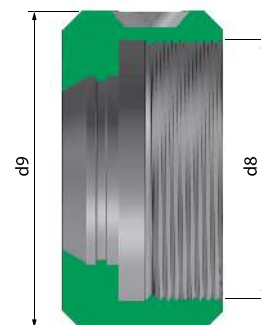
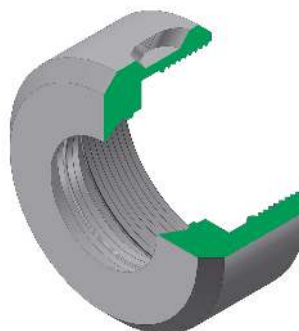


KONZENTRISCH
CONCENTRICHE
CONCENTRIC

KONZENTRISCH
A SFERA
BALL-BEARING

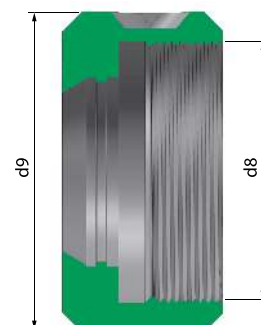
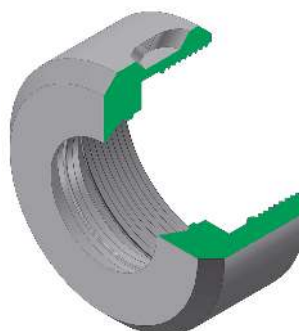
MUTTER FÜR EOC DIN 6388 KONZENTRISCH - RECHTS
GHIERA ER EOC DIN 6388 CONCENTRICA - DX
NUT FOR EOC DIN 6388 CONCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.EOC.ST	EOC16	43	M33x1,5
RK.NUT.25.EOC.ST	EOC25	60	M48x2
RK.NUT.32.EOC.ST	EOC32	72	M60x2,5



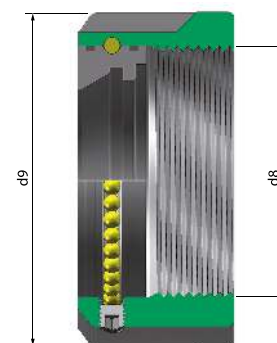
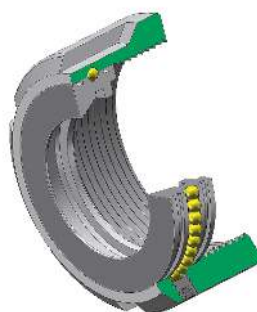
MUTTER FÜR EOC DIN 6388 KONZENTRISCH - LINKS
GHIERA ER EOC DIN 6388 CONCENTRICA - SX
NUT FOR EOC DIN 6388 CONCENTRIC - LEFT

COD.	TYPE	d9	d8
RK.NUT.25.EOC.ST.L	EOC25	60	M48x2 sin



KUGELLAGERMUTTERN FÜR EOC DIN 6388 - RECHTS
GHIERA A SFERA PER EOC DIN 6388 - DX
BALL-BEARING NUT FOR EOC DIN 6388 - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.EOC.BB	EOC16	43	M33x1,5
RK.NUT.25.EOC.BB	EOC25	60	M48x2
RK.NUT.32.EOC.BB	EOC32	72	M60x2,5





MUTTER FÜR ERD - ETS
GHIERA PER ERD - ETS
NUT FOR ERD - ETS



	STANDARD STANDARD STANDARD
	MINI MINI MINI

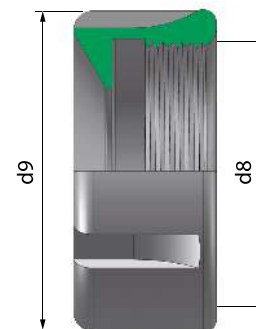
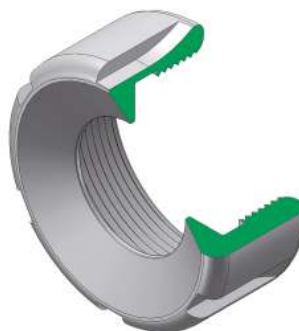


MUTTER FÜR ERD-ETS STANDARD - RECHTS

GHIERA PER ERD-ETS STANDARD - DX

NUT FOR ERD-ETS STANDARD - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.ERD	ERXD16	32	M22x1,5
RK.NUT.20.ERD	ERXD20	35	M25x1,5
RK.NUT.25.ERD	ERXD25	42	M32x1,5
RK.NUT.32.ERD	ERXD32	50	M40x1,5
RK.NUT.40.ERD	ERXD40	63	M50x1,5

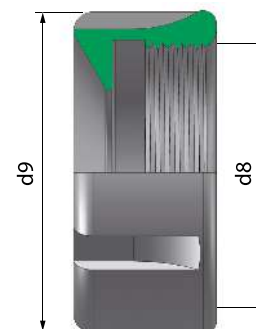
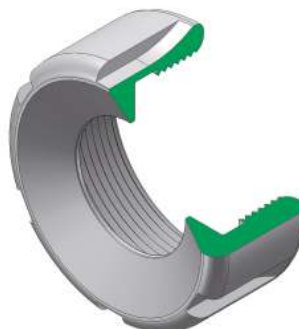


MUTTER FÜR ERD-ETS STANDARD - LINKS

GHIERA PER ERD-ETS STANDARD - SX

NUT FOR ERD-ETS STANDARD - LEFT

COD.	TYPE	d9	d8
RK.NUT.32.ERD.L	ERXD32	50	M40x1,5 sin
RK.NUT.40.ERD.L	ERXD40	63	M50x1,5 sin

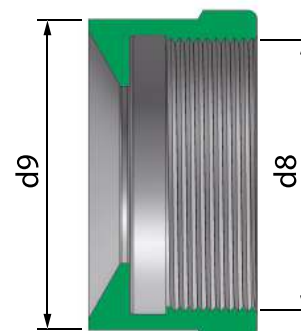
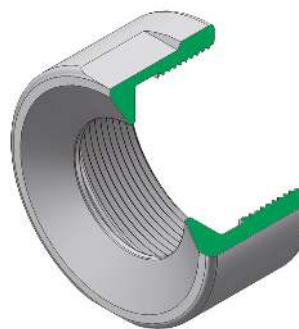


MUTTER FÜR ERD-ETS MINI

GHIERA PER ERD-ETS MINI

NUT FOR ERD-ETS MINI

COD.	TYPE	d9	d8
RK.NUT.16.ERD.MINI	ERXD16M	24	M19x1
RK.NUT.20.ERD.MINI	ERXD20M	30,5	M24x1
RK.NUT.25.ERD.MINI	ERXD25M	36	M30x1





AUßENGEWINDE-MUTTERN CON FILETTO ESTERNO EXTERNALLY THREADED NUTS

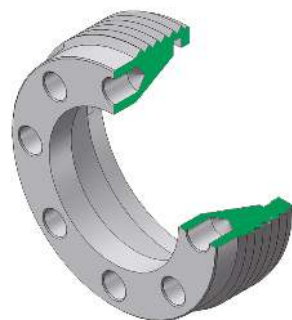


FORM A MIT LÖCHERN
FORMA A CON FORI
EXTERNALLY THREADED NUTS

HEXAGONALE
CON ESAGONO
EXTERNALLY THREADED EXAGONAL NUTS

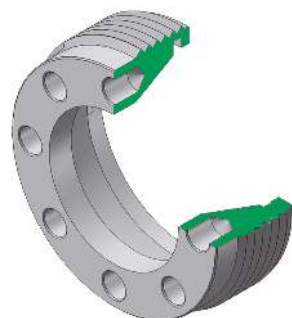
AUßENGEWINDE EXZENTRISCH - RECHTS
GHIERA CON FORI ECCENTRICA - DX
EXTERNALLY THREADED ECCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.11.A	ERX11A	M18x1	6
RK.NUT.16.A	ERX16A	M24x1	8
RK.NUT.20.A	ERX20A	M28x1,5	11
RK.NUT.25.A	ERX25A	M32x1,5	12
RK.NUT.32.A	ERX32A	M40x1,5	14
RK.NUT.40.A	ERX40A	M50x1,5	18



AUßENGEWINDE KONZENTRISCH - RECHTS
GHIERA CON FORI CONCENTRICA - DX
EXTERNALLY THREADED CONCENTRIC - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.A.C	ERX16A	M24x1	8
RK.NUT.20.A.C	ERX20A	M28x1,5	11
RK.NUT.25.A.C	ERX25A	M32x1,5	12
RK.NUT.32.A.C	ERX32A	M40x1,5	14



AUßENGEWINDE KONZENTRISCH - LINKS
GHIERA CON FORI CONCENTRICA - SX
EXTERNALLY THREADED CONCENTRIC - LEFT

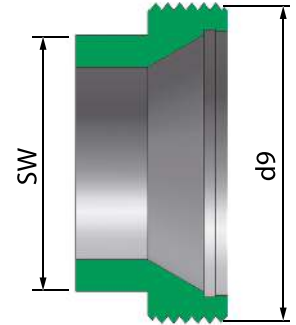
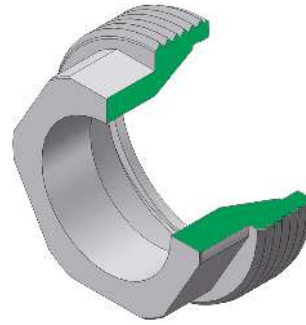
COD.	TYPE	d9	d8
RK.NUT.16.A.C.L	ERX16A	M24x1 sin	8
RK.NUT.20.A.C.L	ERX20A	M28x1,5 sin	11
RK.NUT.25.A.C.L	ERX25A	M32x1,5 sin	12
RK.NUT.32.A.C.L	ERX32A	M40x1,5 sin	14





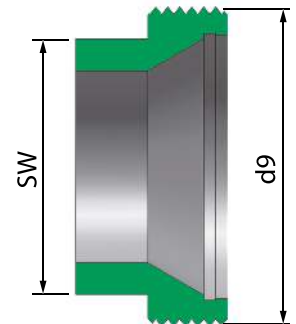
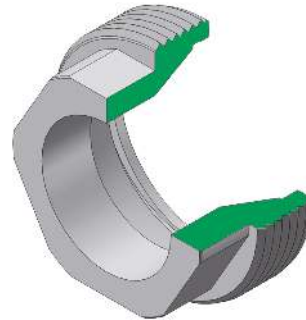
AUßENGEWINDE EXAGONAL EXZENTRISCH
FORMA A CON ESAGONO ECCENTRICA
EXTERNALLY THREADED EXAGONAL ECCENTRIC

COD.	TYPE	d9	d8	SW
RK.NUT.11.A.EX	ERX11AEX	M18x1	9	15
RK.NUT.16.A.EX	ERX16AEX	M24x1	12	19
RK.NUT.20.A.EX	ERX20AEX	M28x1,5	13	22
RK.NUT.25.A.EX	ERX25AEX	M32x1,5	16,5	27
RK.NUT.32.A.EX	ERX32AEX	M40x1,5	19	32
RK.NUT.40.A.EX	ERX40AEX	M50x1,5	17	42



AUßENGEWINDE EXAGONAL KONZENTRISCH
FORMA A CON ESAGONO CONCENTRICA
EXTERNALLY THREADED EXAGONAL CONCENTRIC

COD.	TYPE	d9	d8	SW
RK.NUT.16.A.C.EX	ERX16AEX	M24X1	12	19





ABGEDICHTETE MUTTER A TENUTA DEL REFRIGERANTE SEALED NUTS



STANDARDMUTTERN MIT DICHTUNG
STANDARD STANCA
STANDARD SEALED NUTS



MUTTERN MIT DICHTSCHEIBEN
A TENUTA DISCHI DI TENUTA DEL REFRIGERANTE
NUTS WITH SEAL DISKS



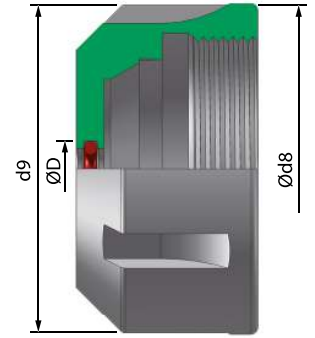
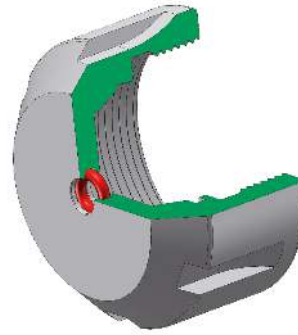


ABGEDICHTETE MUTTER

A TENUTA DEL REFRIGERANTE

SEALED NUTS

COD.	TYPE	d9	d8	ØD
RK.NUT.32.RF.4	ERX32	50	M40x1,5	4
RK.NUT.32.RF.5	ERX32	50	M40x1,5	5
RK.NUT.32.RF.6	ERX32	50	M40x1,5	6
RK.NUT.32.RF.7	ERX32	50	M40x1,5	7
RK.NUT.32.RF.8	ERX32	50	M40x1,5	8
RK.NUT.32.RF.9	ERX32	50	M40x1,5	9
RK.NUT.32.RF.10	ERX32	50	M40x1,5	10
RK.NUT.32.RF.11	ERX32	50	M40x1,5	11
RK.NUT.32.RF.12	ERX32	50	M40x1,5	12
RK.NUT.32.RF.13	ERX32	50	M40x1,5	13
RK.NUT.32.RF.14	ERX32	50	M40x1,5	14
RK.NUT.32.RF.15	ERX32	50	M40x1,5	15
RK.NUT.32.RF.16	ERX32	50	M40x1,5	16
RK.NUT.32.RF.17	ERX32	50	M40x1,5	17
RK.NUT.32.RF.18	ERX32	50	M40x1,5	18
RK.NUT.32.RF.19	ERX32	50	M40x1,5	19
RK.NUT.32.RF.20	ERX32	50	M40x1,5	20

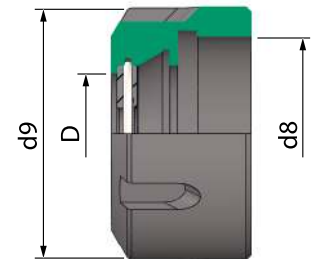
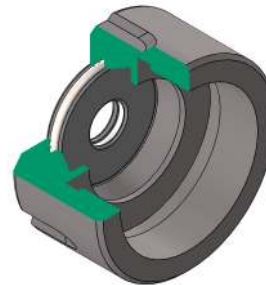


MUTTERN MINI MIT DICHTUNGSSCHEIBEN

MINI CON DISCHI DI TENUTA

NUTS MINI WITH SEAL DISKS

COD.	TYPE	d9	d8	SW
RK.NUT.16.M.DT	ER16M	22	M19x1	DS16
RK.NUT.20.M.DT	ER20M	28	M24x1	DS20
RK.NUT.25.M.DT	ER25M	35	M30x1	DS25



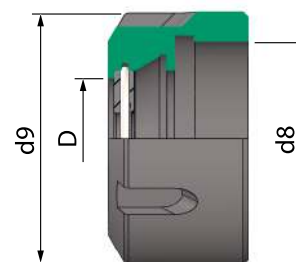
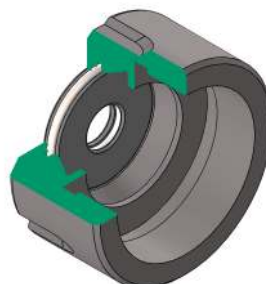


MUTTERN STANDARD MIT DICHTUNGSSCHEIBEN

STANDARD CON DISCHI DI TENUTA

NUTS STANDARD WITH SEAL DISKS

COD.	TYPE	d9	d8	SW
RK.NUT.25.DT	ER25	42	M32x1,5	DS25
RK.NUT.32.DT	ER32	50	M40x1,5	DS32
RK.NUT.40.DT	ER40	63	M50x1,5	DS40



DICHTUNGSSCHEIBEN

DISCHI DI TENUTA

SEAL DISKS

COD.	TYPE	d9	d8
RK.DS.16	ER16	D4 ÷ D10	13
RK.DS.20	ER20	D4 ÷ D13	16
RK.DS.25	ER25	D4 ÷ D16	21
RK.DS.32	ER32	D4 ÷ D20	27
RK.DS.40	ER40	D4 ÷ D26	33





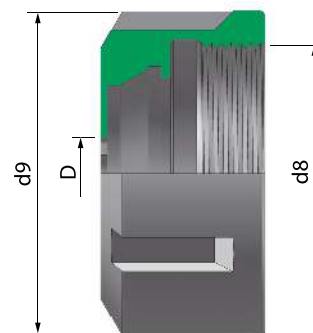
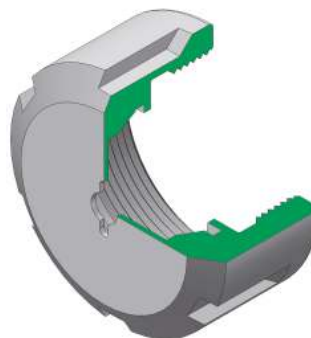
MUTTERN MIT KÜHLMITTELKANÄLEN
CON CANALI DI LUBRIFICAZIONE
NUTS WITH COOLANT CHANNELS



STANDARD
STANDARD
STANDARD

MUTTERN MIT KÜHLMITTELKANÄLEN
CON CANALI DI LUBRIFICAZIONE
NUTS WITH COOLANT CHANNELS

COD.	TYPE	d9	d8	SW
RK.NUT.32.CC.4	ERX32	50	M40x1,5	4
RK.NUT.32.CC.5	ERX32	50	M40x1,5	5
RK.NUT.32.CC.6	ERX32	50	M40x1,5	6
RK.NUT.32.CC.7	ERX32	50	M40x1,5	7
RK.NUT.32.CC.8	ERX32	50	M40x1,5	8
RK.NUT.32.CC.9	ERX32	50	M40x1,5	9
RK.NUT.32.CC.10	ERX32	50	M40x1,5	10
RK.NUT.32.CC.11	ERX32	50	M40x1,5	11
RK.NUT.32.CC.12	ERX32	50	M40x1,5	12
RK.NUT.32.CC.13	ERX32	50	M40x1,5	13
RK.NUT.32.CC.14	ERX32	50	M40x1,5	14
RK.NUT.32.CC.15	ERX32	50	M40x1,5	15
RK.NUT.32.CC.16	ERX32	50	M40x1,5	16
RK.NUT.32.CC.17	ERX32	50	M40x1,5	17
RK.NUT.32.CC.18	ERX32	50	M40x1,5	18
RK.NUT.32.CC.19	ERX32	50	M40x1,5	19
RK.NUT.32.CC.20	ERX32	50	M40x1,5	20





**HOHER GESCHWINDIGKEIT OHNE KERBEN
PER ALTA VELOCITÀ SENZA TACCHE
NUTS HIGH SPEED WITHOUT NOTCHES**



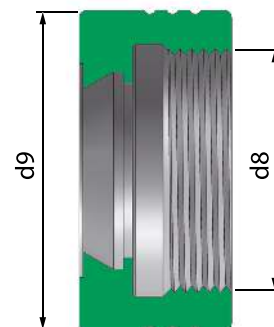
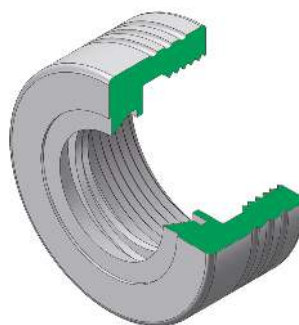
	EZENTRISCH ECCENTRICHE ECCENTRIC
	KONZENTRISCH CONCENTRICHE CONCENTRIC

EZENTRISCH OHNE KERBEN - RECHTS

SENZA TACCHE ECCENTRICA - DX

ECCENTRIC WITHOUT NOTCHES - RIGHT

COD.	TYPE	d9	d8
RK.NUT.16.NF.ST	ERX16	32	M22x1,5
RK.NUT.20.NF.ST	ERX20	35	M25x1,5
RK.NUT.25.NF.ST	ERX25	42	M32x1,5
RK.NUT.32.NF.ST	ERX32	50	M40x1,5
RK.NUT.40.NF.ST	ERX40	63	M50x1,5

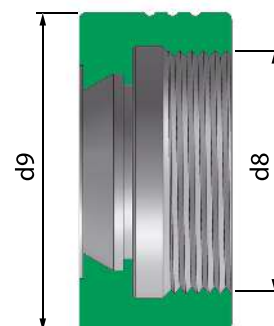
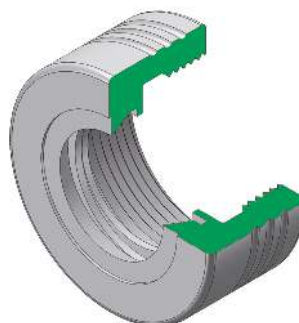


KONZENTRISCH OHNE KERBEN - RECHTS

SENZA TACCHE CONCENTRICA - DX

CONCENTRIC WITHOUT NOTCHES - RIGHT

COD.	TYPE	d9	d8
RK.NUT.25.NF.C	ERX25	42	M32x1,5
RK.NUT.32.NF.C	ERX32	50	M40x1,5
RK.NUT.40.NF.C	ERX40	63	M50x1,5

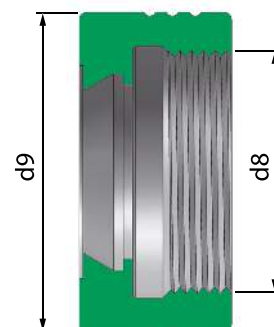
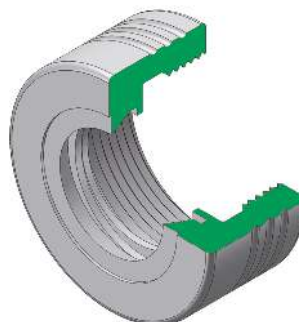


KONZENTRISCH OHNE KERBEN - LINKS

SENZA TACCHE CONCENTRICA - SX

CONCENTRIC WITHOUT NOTCHES - LEFT

COD.	TYPE	d9	d8
RK.NUT.16.NF.C.L	ERX16	32	M22x1,5sin
RK.NUT.32.NF.C.L	ERX32	50	M40x1,5sin





SCHRAUBENSCHLÜSSEL FÜR MUTTERN CHIAVI PER GHIERE WRENCHES FOR NUTS



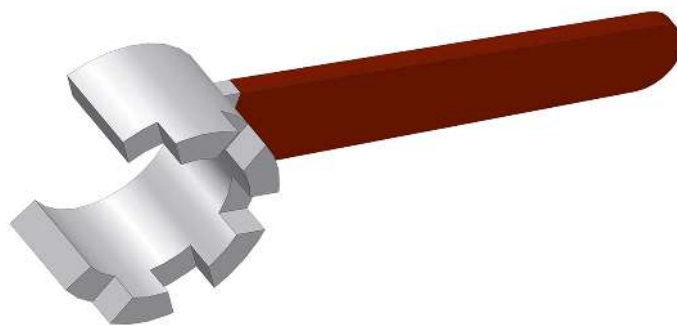
	FÜR SPANNMUTTER DIN 6499 PER GHIERA ER DIN 6499 FOR CLAMPING NUT DIN 6499
	FÜR SECHSKANTMUTTER PER GHIERA ESAGONALE FOR HEXAGONAL NUT
	FÜR KLEMMMUTTER EOC DIN 6388 A SETTORE PER GHIERA EOC DIN 6388 FOR CLAMPING NUT EOC DIN 6388
	DYNAMOMETRISCH DINAMOMETRICA DYNAMOMETRIC

FÜR MINI-KLEMMMUTTER DIN 6499

PER GHIERA ER DIN 6499 MINI

FOR MINI CLAMPING NUT DIN 6499

COD.	TYPE
RK.WR.8.M	ERX8M
RK.WR.11.M	ERX11M
RK.WR.16.M	ERX16M
RK.WR.20.M	ERX20M
RK.WR.25.M	ERX25M

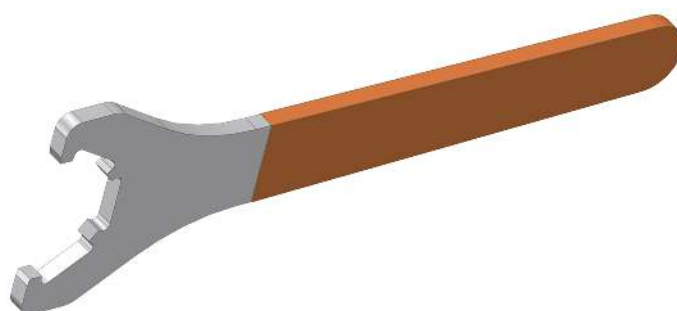


FÜR STANDARD-KLEMMMUTTER DIN 6499

PER GHIERA ER DIN 6499 STANDARD

FOR STANDARD CLAMPING NUT DIN 6499

COD.	TYPE
RK.WR.16.ST	ERX16
RK.WR.20.ST	ERX20
RK.WR.25.ST	ERX25
RK.WR.32.ST	ERX32
RK.WR.40.ST	ERX40
RK.WR.50.ST	ERX50



FÜR SECHSKANTKLEMMMUTTER

PER GHIERA ESAGONALE

FOR HEXAGONAL CLAMPING NUT

COD.	TYPE
RK.WR.11.EX	ER11EX
RK.WR.16.EX	ER16EX
RK.WR.20.EX	ER20EX
RK.WR.25.EX	ER25EX



FÜR KLEMMMUTTER EOC DIN 6388

A SETTORE PER PINZA EOC DIN 6388

FOR CLAMPING NUT EOC DIN 6388

COD.	TYPE
RK.WR.16.EOC	CHIAVE PER GHIERA EOC 16
RK.WR.25.EOC	CHIAVE PER GHIERA EOC 25





STANDARD DYNAMOMETRISCH

DINAMOMETRICHE STANDARD

STANDARD DYNAMOMETRIC

COD.	TYPE	COPPIA SERRAGIO
RK.WR.DIN.16	CHIAVE DINAMOMETRICA PER ER16MINI	23-35
RK.WR.DIN.20	CHIAVE DINAMOMETRICA PER ER20	30-40
RK.WR.DIN.25	CHIAVE DINAMOMETRICA PER ER25	45-55
RK.WR.DIN.32	CHIAVE DINAMOMETRICA PER ER32	65-70
RK.WR.DIN.40	CHIAVE DINAMOMETRICA PER ER40	110-120



MINI DYNAMOMETRISCH

DINAMOMETRICHE MINI

MINI DYNAMOMETRIC

COD.	TYPE
RK.WR.DIN.8.MINI	CHIAVE DINAMOMETRICA PER ER8MINI
RK.WR.DIN.11.MINI	CHIAVE DINAMOMETRICA PER ER11MINI
RK.WR.DIN.16.MINI	CHIAVE DINAMOMETRICA PER ER16MINI
RK.WR.DIN.20.MINI	CHIAVE DINAMOMETRICA PER ER20MINI
RK.WR.DIN.25.MINI	CHIAVE DINAMOMETRICA PER ER25MINI



ROLLENLAGER-STANDARDSCHLÜSSEL

CHIAVI A RULLI STANDARD

ROLLER BEARING STANDARD WRENCH

COD.	TYPE	d9	d8
RK.WR.RUL.16	PER GHIERE ER16 CON E SENZA TACCHE	210	300
RK.WR.RUL.20	PER GHIERE ER20 CON E SENZA TACCHE	210	300
RK.WR.RUL.25	PER GHIERE ER25 CON E SENZA TACCHE	285	400
RK.WR.RUL.32	PER GHIERE ER32 CON E SENZA TACCHE	285	413
RK.WR.RUL.40	PER GHIERE ER40 CON E SENZA TACCHE	310	440



ROLLENLAGER-DREHMOMENTSCHLÜSSEL
CHIAVI A RULLI DINAMOMETRICHE
ROLLER BEARING DYNAMOMETRIC WRENCH

COD.	TYPE
RK.WR.RUL.DIN.16	PER GHIERE ER16 CON E SENZA TACCHE
RK.WR.RUL.DIN.20	PER GHIERE ER20 CON E SENZA TACCHE
RK.WR.RUL.DIN.25	PER GHIERE ER25 CON E SENZA TACCHE
RK.WR.RUL.DIN.32	PER GHIERE ER32 CON E SENZA TACCHE
RK.WR.RUL.DIN.40	PER GHIERE ER40 CON E SENZA TACCHE



ROLLENLAGER-DREHMOMENTSCHLÜSSEL
CHIAVI A RULLI DINAMOMETRICHE
ROLLER BEARING DYNAMOMETRIC WRENCH

COD.	TYPE	COPPIA SERRAGIO
RK.WR.DIG	CHIAVE DIGITALE DINAMOMETRICA	20-200 NM



AUSWECHSELBARE KÖPFE
INSERTI PER CHIAVE DINANOMETRICA
INTERCHANGEABLE HEADS

COD.	TYPE	COPPIA SERRAGIO
WR.INS.DIG.ER16M	PER GHIERA ER16 MINI	1
WR.INS.DIG.ER20M	PER GHIERA ER20 MINI	1
WR.INS.DIG.ER25M	PER GHIERA ER25 MINI	1
WR.INS.DIG.ER16.EX	PER GHIERA ER16 ESAGONALE	2
WR.INS.DIG.ER20.EX	PER GHIERA ER20 ESAGONALE	2
WR.INS.DIG.ER25	PER GHIERA ER25 STANDARD	3
WR.INS.DIG.ER32	PER GHIERA ER32 STANDARD	3
WR.INS.DIG.ER40	PER GHIERA ER40 STANDARD	3
WR.INS.DIG.ER32NF	PER GHIERA ER32 SENZA TACCHE	4



Fig. 1



Fig. 2



Fig. 3



Fig. 4





Schnellwechsel-Gewindebohrerhalter mit axialem Ausgleich
Maschiatori a cambio rapido con compensazione assiale
Quick change tap holders with axial compensation





SCHNELLWECHSEL-GEWINDEBOHRERHALTER MIT AXIALEM AUSGLEICH
MASCHIATORE A CAMBIO RAPIDO CON COMPENSAZIONE ASSIALE
QUICK CHANGE TAP HOLDERS WITH AXIAL COMPENSATION

Zubehörteile - Accessori - Accessories	MORSE DIN 228-B	MORSE DIN 228-A
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Adapter Adattatore Adapter	FZS
	
Seite - Pagina - Page	18-6

Adapter Adattatore Adapter	FZA
	
Seite - Pagina - Page	18-7

Spannzanger Pinze Collet	ER
	
Seite - Pagina - Page	15-4




Shaft Gambo Shank	Adapter Adattatore Adapter	D	A	H	Kapazität Capacità Capacity	↕ ↔ ↕		INDEX	STOCK	INDEX	STOCK
						(-)	(+)				
MK2	FZ19	19	38	46	M2-M12	9	9	RKR-OGK-MK2/FZ19	☛		
MK3	FZ19	19	38	46	M2-M12	9	9	RKR-OGK-MK3/FZ19	☛		
MK3	FZ31	31	55	69	M6-M20	15	15	RKR-OGK-MK3/FZ31	☛		
MK4	FZ48	48	79	108	M14-M33	24	24	RKR-OGK-MK4/FZ48	☛		
MK5	FZ60	60	98	116	M22-M48	26	26	RKR-OGK-MK5/FZ60	☛		
MK2	FZ19	19	38	46	M2-M12	9	9			RKR-OGK-MK2/FZ19-A	○
MK3	FZ19	19	38	46	M2-M12	9	9			RKR-OGK-MK3/FZ19-A	○
MK3	FZ31	31	55	69	M6-M20	15	15			RKR-OGK-MK3/FZ31-A	○
MK4	FZ48	48	79	108	M14-M33	24	24			RKR-OGK-MK4/FZ48-A	○
MK5	FZ60	60	98	116	M22-M48	26	26			RKR-OGK-MK5/FZ60-A	○

☛ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



SCHNELLWECHSEL-GEWINDEBOHRERHALTER MIT AXIALEM AUSGLEICH
MASCHIATORE A CAMBIO RAPIDO CON COMPENSAZIONE ASSIALE
QUICK CHANGE TAP HOLDERS WITH AXIAL COMPENSATION

Zubehörteile - Accessori - Accessories		DIN 2080	R DIN 6327
Adapter Adattatore Adapter FZS  Seite - Pagina - Page 18-6	Adapter Adattatore Adapter FZA  Seite - Pagina - Page 18-7	 H D A (-) (+)	 H D A (-) (+)
Spannzanger Pinze Collet ER  Seite - Pagina - Page 15-4			


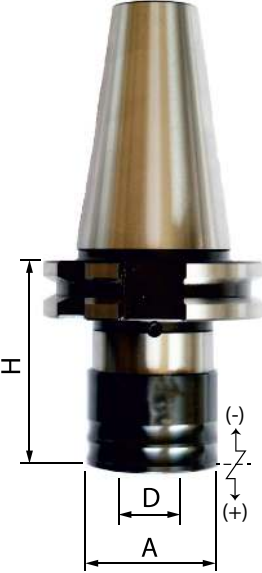
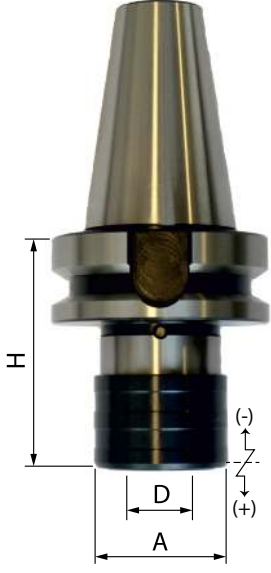



Shaft Gambo Shank	Adapter Adattatore Adapter	D	A	H	Kapazität Capacità Capacity	±		INDEX	STOCK	INDEX	STOCK
						(-)	(+)				
DIN30	FZ19	19	38	51	M2-M12	9	9	RKR-OGK-DIN30/FZ19	○		
DIN30	FZ31	31	55	86	M6-M20	15	15	RKR-OGK-DIN30/FZ31	○		
DIN40	FZ19	19	38	53	M2-M12	9	9	RKR-OGK-DIN40/FZ19	○		
DIN40	FZ31	31	55	77	M6-M20	15	15	RKR-OGK-DIN40/FZ31	○		
DIN40	FZ48	48	79	118	M14-M33	24	24	RKR-OGK-DIN40/FZ48	○		
DIN50	FZ19	19	38	57	M2-M12	9	9	RKR-OGK-DIN50/FZ19	○		
DIN50	FZ31	31	55	79	M6-M20	15	15	RKR-OGK-DIN50/FZ31	○		
DIN50	FZ48	48	79	125	M14-M33	24	24	RKR-OGK-DIN50/FZ48	○		
DIN50	FZ60	60	98	143	M22-M48	26	26	RKR-OGK-DIN50/FZ60	○		
TR20	FZ19	19	38	53	M2-M12	9	9			RKR-OGK-TR20/FZ19	○
TR28	FZ19	19	38	53	M2-M12	15	15			RKR-OGK-TR28/FZ19	○
TR28	FZ31	31	55	76	M6-M20	9	9			RKR-OGK-TR28/FZ31	○
TR36	FZ19	19	38	55	M2-M12	15	15			RKR-OGK-TR36/FZ19	○
TR36	FZ31	31	55	78	M6-M20	24	24			RKR-OGK-TR36/FZ31	○
TR36	FZ48	48	79	111	M14-M33	26	26			RKR-OGK-TR36/FZ48	○
TR36	FZ60	60	98	123	M22-M48	24	24			RKR-OGK-TR36/FZ60	○
TR48	FZ48	48	79	115	M14-M33	26	26			RKR-OGK-TR48/FZ48	○
TR48	FZ60	60	98	127	M22-M48					RKR-OGK-TR48/FZ60	○

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request





SCHNELLWECHSEL-GEWINDEBOHRERHALTER MIT AXIALEM AUSGLEICH
MASCHIATORE A CAMBIO RAPIDO CON COMPENSAZIONE ASSIALE
QUICK CHANGE TAP HOLDERS WITH AXIAL COMPENSATION

Zubehörteile - Accessori - Accessories		DIN 69871-A	MAS 403 - BT
Adapter Adattatore Adapter FZS			
Seite - Pagina - Page	18-6		
Adapter Adattatore Adapter FZA			
Seite - Pagina - Page	18-7		
Spannzanger Pinze Collet ER			
Seite - Pagina - Page	15-4		
Anzugsbolzen Codoli Pull studs			
Seite - Pagina - Page	16-4		

Shaft Gambo Shank	Adapter Adattatore Adapter	D	A	H	Kapazität Capacità Capacity	↔ ↕ ⊕		INDEX	STOCK	INDEX	STOCK
						(-)	(+)				
ISO30	FZ19	19	38	60	M2-M12	9	9	RKR-OGK-ISO30/FZ19	○		
ISO30	FZ31	31	55	101	M6-M20	15	15	RKR-OGK-ISO30/FZ31	○		
ISO40	FZ19	19	38	60	M2-M12	9	9	RKR-OGK-ISO40/FZ19	⊗		
ISO40	FZ31	31	55	100	M6-M20	15	15	RKR-OGK-ISO40/FZ31	⊗		
ISO40	FZ48	48	79	138	M14-M33	24	24	RKR-OGK-ISO40/FZ48	○		
ISO40	FZ60	60	98	154	M22-M48	26	26	RKR-OGK-ISO40/FZ60	○		
ISO50	FZ19	19	38	62	M2-M12	9	9	RKR-OGK-ISO50/FZ19	○		
ISO50	FZ31	31	55	83	M6-M20	15	15	RKR-OGK-ISO50/FZ31	⊗		
ISO50	FZ48	48	79	133	M14-M33	24	24	RKR-OGK-ISO50/FZ48	⊗		
ISO50	FZ60	60	98	147	M22-M48	26	26	RKR-OGK-ISO50/FZ60	⊗		
BT30	FZ19	19	38	63	M2-M12	9	9			RKR-OGK-BT30/FZ19	○
BT30	FZ31	31	55	96	M6-M20	15	15			RKR-OGK-BT30/FZ31	○
BT40	FZ19	19	38	68	M2-M12	9	9			RKR-OGK-BT40/FZ19	⊗
BT40	FZ31	31	55	93	M6-M20	15	15			RKR-OGK-BT40/FZ31	⊗
BT40	FZ48	48	79	138	M14-M33	24	24			RKR-OGK-BT40/FZ48	○
BT40	FZ60	60	98	157	M22-M48	26	26			RKR-OGK-BT40/FZ60	○
BT50	FZ19	19	38	80	M2-M12	9	9			RKR-OGK-BT50/FZ19	○
BT50	FZ31	31	55	102	M6-M20	15	15			RKR-OGK-BT50/FZ31	⊗
BT50	FZ48	48	79	133	M14-M33	24	24			RKR-OGK-BT50/FZ48	○
BT50	FZ60	60	98	147	M22-M48	26	26			RKR-OGK-BT50/FZ60	○

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

Zubehörteile - Accessori - Accessories		HSK DIN 69893-A	VDI DIN 69880
Adapter Adattatore Adapter FZS			
Seite - Pagina - Page	18-6		
Adapter Adattatore Adapter FZA			
Seite - Pagina - Page	18-7		
Spannzanger Pinze Collet ER			
Seite - Pagina - Page	15-4		

Shaft Gambo Shank	Adapter Adattatore Adapter	D	A	H	Kapazität Capacità Capacity	±		INDEX	STOCK	INDEX	STOCK
						(-)	(+)				
HSK50	FZ19	19	41	72	M2-M12	7,5	7,5	RKR-OGK-HSK50/FZ19	○		
HSK50	FZ31	31	60	110	M6-M20	10	10	RKR-OGK-HSK50/FZ31	○		
HSK63	FZ19	19	41	72	M2-M12	7,5	7,5	RKR-OGK-HSK63/FZ19	★		
HSK63	FZ31	31	60	110	M6-M20	10	10	RKR-OGK-HSK63/FZ31	★		
HSK63	FZ48	48	86	141	M14-M33	17,5	17,5	RKR-OGK-HSK63/FZ48	○		
HSK80	FZ19	19	41	75	M2-M12	7,5	7,5	RKR-OGK-HSK80/FZ19	○		
HSK80	FZ31	31	60	95	M6-M20	10	10	RKR-OGK-HSK80/FZ31	○		
HSK80	FZ48	48	86	141	M14-M33	17,5	17,5	RKR-OGK-HSK80/FZ48	○		
HSK100	FZ19	19	41	80	M2-M12	7,5	7,5	RKR-OGK-HSK100/FZ19	○		
HSK100	FZ31	31	60	100	M6-M20	10	10	RKR-OGK-HSK100/FZ31	○		
HSK100	FZ48	48	86	141	M14-M33	17,5	17,5	RKR-OGK-HSK100/FZ48	○		
VDI20	FZ19	19	38	55	M2-M12	9	9			RKR-OGK-VDI20/FZ19	○
VDI20	FZ31	31	55	77	M6-M20	15	15			RKR-OGK-VDI20/FZ31	○
VDI25	FZ19	19	38	55	M2-M12	9	9			RKR-OGK-VDI25/FZ19	★
VDI25	FZ31	31	55	77	M6-M20	15	15			RKR-OGK-VDI25/FZ31	★
VDI30	FZ19	19	38	55	M2-M12	9	9			RKR-OGK-VDI30/FZ19	★
VDI30	FZ31	31	55	77	M6-M20	15	15			RKR-OGK-VDI30/FZ31	★
VDI40	FZ19	19	38	55	M2-M12	9	9			RKR-OGK-VDI40/FZ19	○
VDI40	FZ31	31	55	77	M6-M20	15	15			RKR-OGK-VDI40/FZ31	★
VDI40	FZ48	48	79	110	M14-M33	24	24			RKR-OGK-VDI40/FZ48	○
VDI50	FZ48	48	79	110	M14-M33	24	24			RKR-OGK-VDI50/FZ48	○

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request





SCHNELLWECHSELBUCHSEN MIT KUPPLUNG
BUSSOLE A CAMBIO RAPIDO CON FRIZIONE
QUICK-CHANGE BUSHINGS WITH CLUTCH



Größen - Misure - Sizes					FZS13	FZS19	FZS31	FZS48	FZS60
d / A / H / h					13 / 23 / 21 / 6	19 / 32 / 25 / 8	31 / 50 / 31 / 4	48 / 72 / 45 / 1	60 / 95 / 68 / 3
M	DIN	D	□	INDEX	RKR-FZS13	RKR-FZS19	RKR-FZS31	RKR-FZS48	RKR-FZS60
M 2	371	2,8	2,1	RKM2 D2,8 DIN	○	☒			
M 3	371	3,5	2,7	RKM3 D3,5 DIN	○	☒			
M 4	371	4,5	3,4	RKM4 D4,5 DIN	○	☒			
M 5	371	6	4,9	RKM5 D6 DIN	○	☒			
M 6	371	6	4,9	RKM6 D6 DIN	○	☒	☒		
M 8	371	8	6,2	RKM8 D8 DIN		☒	☒		
M 8	376	6	4,9	RKM8 D6 DIN		○	○		
M 10	371	10	8	RKM10 D10 DIN		☒	☒	○	
M 10	376	7	5,5	RKM10 D7 DIN		○	○		
M 12	376	9	7	RKM12 D9 DIN		☒	☒	○	
M 14	376	11	9	RKM14 D11 DIN			☒	☒	
M 16	376	12	9	RKM16 D12 DIN			☒	○	
M 18	376	14	11	RKM18 D14 DIN			☒	☒	
M 20	376	16	12	RKM20 D16 DIN			☒	○	○
M 22	376	18	14,5	RKM22 D18 DIN			☒	☒	○
M 24	376	18	14,5	RKM24 D18 DIN			○	☒	○
M 27	376	20	16	RKM27 D20 DIN			○	☒	○
M 30	376	22	18	RKM30 D22 DIN				○	
M 33	376	25	20	RKM33 D25 DIN				○	○
M 36	376	28	22	RKM36 D28 DIN					☒
M 39	376	32	24	RKM39 D32 DIN					○
M 42	376	32	24	RKM42 D32 DIN					☒
M 45	376	36	29	RKM45 D36 DIN					○
M 48	376	36	29	RKM48 D36 DIN					○

☒ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request



SCHNELLWECHSELADAPTER OHNE SICHERHEITSKUPPLUNG
BUSSOLE A CAMBIO RAPIDO SENZA FRIZIONE
QUICK-CHANGE ADAPTERS WITHOUT SAFETY CLUTCH



Größen - Misure - Sizes					FZ13	FZ19	FZ31	FZ48	FZ60
d / A / H / h					13 / 23 / 7 / 8	19 / 30 / 7 / 10	31 / 46 / 11 / 19	48 / 68 / 14 / 25	60 / 83 / 42 / 29
M	DIN	D	□	INDEX	RKR-FZ13	RKR-FZ19	RKR-FZ31	RKR-FZ48	RKR-FZ60
M 2	371	2,8	2,1	RKM2 D2,8 DIN	○	○			
M 3	371	3,5	2,7	RKM3 D3,5 DIN	○	★			
M 4	371	4,5	3,4	RKM4 D4,5 DIN	○	★			
M 5, M6	371	6	4,9	RKM5, RKM6 D6 DIN	○	★	★		
M 8	371	8	6,2	RKM8 D8 DIN		★	★		
M 10	371	10	8	RKM10 D10 DIN		★	★		
M 12	376	9	7	RKM12 D9 DIN		★	★		
M 14	376	11	9	RKM14 D11 DIN		○	○	○	
M 16	376	12	9	RKM16 D12 DIN			★	○	
M 18	376	14	11	RKM18 D14 DIN			○	○	
M 20	376	16	12	RKM20 D16 DIN			★	○	
M 22, M24	376	18	14,5	RKM24 D18 DIN			○	○	○
M 27	376	20	16	RKM27 D20 DIN				○	○
M 30	376	22	18	RKM30 D22 DIN				○	○
M 33	376	25	20	RKM33 D25 DIN				○	○
M 36	376	28	22	RKM36 D28 DIN					○
M 39, M42	376	32	24	RKM42 D32 DIN					○
M 45, M48	376	36	29	RKM48 D36 DIN					○

★ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock ○ = auf Anfrage - A richiesta - On request





SCHNELLWECHSELADAPTER MIT SICHERHEITSKUPPLUNG
BUSSOLE A CAMBIO RAPIDO CON FRIZIONE
QUICK-CHANGE ADAPTERS WITH SAFETY CLUTCH

Spannzanger Pinze Collet	ER
	
Seite - Pagina - Page	15-4



Größe Dimensione Size	Spannzangen Pinze Collets	H	h	A	d	D	M	INDEX	
FZA19	ER16	29,5	8,5	28	19	2-10	M3-M12	RKR-FZA19/ER16	⊗
FZA31	ER25	38,5	15	42	31	2-16	M6-M20	RKR-FZA31/ER25	⊗



REDUKTIONSKOMPASSE
BUSOLE DI RIDUZIONE
REDUCTIONS BUSHES



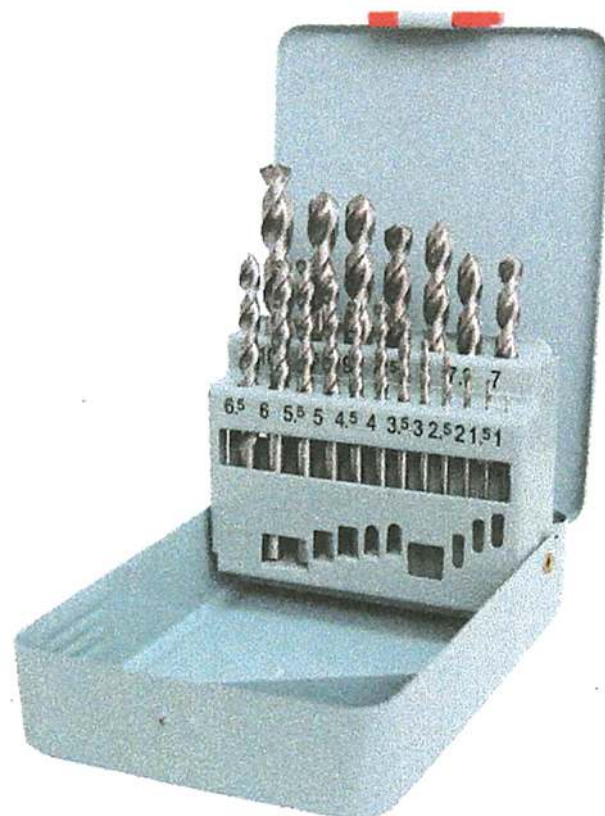
Reduzierung Riduzione Reduction	H	A	d	D	INDEX	
19/13	6	30	19	13	RKR-FR19/13	○
31/19	8,5	46	31	19	RKR-FR31/19	⊗
48/31	7	68	48	31	RKR-FR48/31	⊗
60/48	13	92	60	48	RKR-FR60/48	○

⊗ = Ab Lager lieferbar - Disponibile a magazzino - Available from stock

○ = auf Anfrage - A richiesta - On request

KY

Schneidwerkzeuge, economic line
Utensili da taglio, linea economica
Cutting tools, economic line





DAMPFBEHANDELT HSS BOHRER
PUNTE HSS VAPORIZZATE
STEAM OXIDE HSS DRILLS

DIN
338

HSS

WHEEL
CUTTING

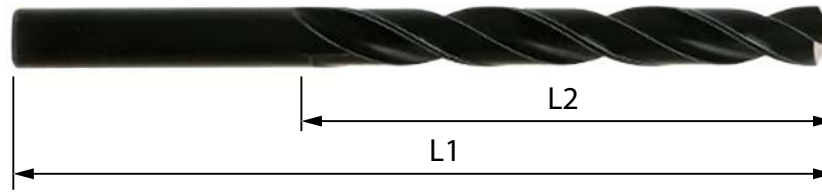
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P1

M3



BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY68D0040	0,4	5	20	10
KY68D0050	0,5	6	22	10
KY68D0060	0,6	7	24	10
KY68D0070	0,7	9	28	10
KY68D0075	0,75	9	28	10
KY68D0080	0,8	10	30	10
KY68D0090	0,9	11	32	10
KY68D0100	1	12	34	10
KY68D0110	1,1	14	36	10
KY68D0120	1,2	16	38	10
KY68D0130	1,3	16	38	10
KY68D0140	1,4	18	40	10
KY68D0150	1,5	18	40	10
KY68D0160	1,6	20	43	10
KY68D0170	1,7	20	43	10
KY68D0175	1,75	22	46	10
KY68D0180	1,8	22	46	10
KY68D0190	1,9	22	46	10
KY68D0200	2	24	49	10
KY68D0210	2,1	24	49	10
KY68D0220	2,2	27	53	10
KY68D0225	2,25	27	53	10
KY68D0230	2,3	27	53	10
KY68D0240	2,4	30	57	10
KY68D0250	2,5	30	57	10
KY68D0260	2,6	30	57	10
KY68D0270	2,7	33	61	10
KY68D0275	2,75	33	61	10
KY68D0280	2,8	33	61	10
KY68D0290	2,9	33	61	10
KY68D0300	3	33	61	10
KY68D0310	3,1	36	65	10
KY68D0320	3,2	36	65	10
KY68D0325	3,25	36	65	10
KY68D0330	3,3	36	65	10
KY68D0340	3,4	39	70	10
KY68D0350	3,5	39	70	10
KY68D0360	3,6	39	70	10
KY68D0370	3,7	39	70	10
KY68D0375	3,75	39	70	10
KY68D0380	3,8	43	75	10
KY68D0390	3,9	43	75	10
KY68D0400	4	43	75	10
KY68D0410	4,1	43	75	10
KY68D0420	4,2	43	75	10
KY68D0425	4,25	43	75	10
KY68D0430	4,3	47	80	10
KY68D0440	4,4	47	80	10
KY68D0450	4,5	47	80	10
KY68D0460	4,6	47	80	10
KY68D0470	4,7	47	80	10
KY68D0475	4,75	47	80	10
KY68D0480	4,8	52	86	10
KY68D0490	4,9	52	86	10
KY68D0500	5	52	86	10
KY68D0510	5,1	52	86	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY68D0520	5,2	52	86	10
KY68D0525	5,25	52	86	10
KY68D0530	5,3	52	86	10
KY68D0540	5,4	57	93	10
KY68D0550	5,5	57	93	10
KY68D0560	5,6	57	93	10
KY68D0570	5,7	57	93	10
KY68D0575	5,75	57	93	10
KY68D0580	5,8	57	93	10
KY68D0590	5,9	57	93	10
KY68D0600	6	57	93	10
KY68D0610	6,1	63	101	10
KY68D0620	6,2	63	101	10
KY68D0625	6,25	63	101	10
KY68D0630	6,3	63	101	10
KY68D0640	6,4	63	101	10
KY68D0650	6,5	63	101	10
KY68D0660	6,6	63	101	10
KY68D0670	6,7	63	101	10
KY68D0675	6,75	69	109	10
KY68D0680	6,8	69	109	10
KY68D0690	6,9	69	109	10
KY68D0700	7	69	109	10
KY68D0710	7,1	69	109	10
KY68D0720	7,2	69	109	10
KY68D0725	7,25	69	109	10
KY68D0730	7,3	69	109	10
KY68D0740	7,4	69	109	10
KY68D0750	7,5	69	109	10
KY68D0760	7,6	75	117	10
KY68D0770	7,7	75	117	10
KY68D0775	7,75	75	117	10
KY68D0780	7,8	75	117	10
KY68D0790	7,9	75	117	10
KY68D0800	8	75	117	10
KY68D0810	8,1	75	117	10
KY68D0820	8,2	75	117	10
KY68D0825	8,25	75	117	10
KY68D0830	8,3	75	117	10
KY68D0840	8,4	75	117	10
KY68D0850	8,5	75	117	10
KY68D0860	8,6	81	125	10
KY68D0870	8,7	81	125	10
KY68D0875	8,75	81	125	10
KY68D0880	8,8	81	125	10
KY68D0890	8,9	81	125	10
KY68D0900	9	81	125	10
KY68D0910	9,1	81	125	10
KY68D0920	9,2	81	125	10
KY68D0925	9,25	81	125	10
KY68D0930	9,3	81	125	10
KY68D0940	9,4	81	125	10
KY68D0950	9,5	81	125	10
KY68D0960	9,6	87	133	10
KY68D0970	9,7	87	133	10
KY68D0975	9,75	87	133	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY68D0980	9,8	87	133	10
KY68D0990	9,9	87	133	10
KY68D1000	10	87	133	10
KY68D1010	10,1	87	133	10
KY68D1020	10,2	87	133	10
KY68D1025	10,25	87	133	10
KY68D1030	10,3	87	133	10
KY68D1040	10,4	87	133	10
KY68D1050	10,5	87	133	10
KY68D1060	10,6	87	133	10
KY68D1070	10,7	94	142	10
KY68D1075	10,75	94	142	10
KY68D1080	10,8	94	142	10
KY68D1090	10,9	94	142	10
KY68D1100	11	94	142	10
KY68D1110	11,1	94	142	10
KY68D1120	11,2	94	142	10
KY68D1125	11,25	94	142	10
KY68D1130	11,3	94	142	10
KY68D1140	11,4	94	142	10
KY68D1150	11,5	94	142	10
KY68D1160	11,6	94	142	10
KY68D1170	11,7	94	142	10
KY68D1175	11,75	94	142	10
KY68D1180	11,8	94	142	10
KY68D1190	11,9	101	151	10
KY68D1200	12	101	151	10
KY68D1210	12,1	101	151	10
KY68D1220	12,2	101	151	10
KY68D1225	12,25	101	151	10
KY68D1230	12,3	101	151	10
KY68D1240	12,4	101	151	10
KY68D1250	12,5	101	151	10
KY68D1260	12,6	101	151	10
KY68D1270	12,7	101	151	10
KY68D1275	12,75	101	151	10
KY68D1280	12,8	101	151	10
KY68D1290	12,9	101	151	10
KY68D1300	13	101	151	10
KY68D1320	13,2	101	151	10
KY68D1350	13,5	108	160	10
KY68D1370	13,7	108	160	10
KY68D1380	13,8	108	160	10
KY68D1400	14	108	160	10
KY68D1450	14,5	114	169	10
KY68D1500	15	114	169	10
KY68D1550	15,5	120	178	10
KY68D1600	16	120	178	10
KY68D1650	16,5	125	184	10
KY68D1700	17	125	184	10
KY68D1750	17,5	130	191	10
KY68D1800	18	130	191	10
KY68D1850	18,5	135	198	10
KY68D1900	19	135	198	10
KY68D1950	19,5	140	205	10
KY68D2000	20	140	205	10

DIN
338

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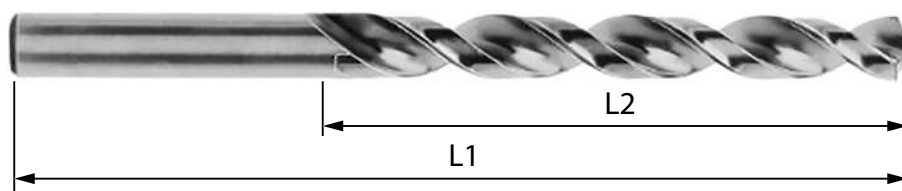
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M3



BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY61D0040	0,4	5	20	10
KY61D0050	0,5	6	22	10
KY61D0060	0,6	7	24	10
KY61D0070	0,7	9	28	10
KY61D0075	0,75	9	28	10
KY61D0080	0,8	10	30	10
KY61D0090	0,9	11	32	10
KY61D0100	1	12	34	10
KY61D0110	1,1	14	36	10
KY61D0120	1,2	16	38	10
KY61D0130	1,3	16	38	10
KY61D0140	1,4	18	40	10
KY61D0150	1,5	18	40	10
KY61D0160	1,6	20	43	10
KY61D0170	1,7	20	43	10
KY61D0175	1,75	22	46	10
KY61D0180	1,8	22	46	10
KY61D0190	1,9	22	46	10
KY61D0200	2	24	49	10
KY61D0210	2,1	24	49	10
KY61D0220	2,2	27	53	10
KY61D0225	2,25	27	53	10
KY61D0230	2,3	27	53	10
KY61D0240	2,4	30	57	10
KY61D0250	2,5	30	57	10
KY61D0260	2,6	30	57	10
KY61D0270	2,7	33	61	10
KY61D0275	2,75	33	61	10
KY61D0280	2,8	33	61	10
KY61D0290	2,9	33	61	10
KY61D0310	3,1	36	65	10
KY61D0320	3,2	36	65	10
KY61D0325	3,25	36	65	10
KY61D0330	3,3	36	65	10
KY61D0340	3,4	39	70	10
KY61D0350	3,5	39	70	10
KY61D0360	3,6	39	70	10
KY61D0370	3,7	39	70	10
KY61D0375	3,75	39	70	10
KY61D0380	3,8	43	75	10
KY61D0390	3,9	43	75	10
KY61D0400	4	43	75	10
KY61D0410	4,1	43	75	10
KY61D0420	4,2	43	75	10
KY61D0425	4,25	43	75	10
KY61D0430	4,3	47	80	10
KY61D0440	4,4	47	80	10
KY61D0450	4,5	47	80	10
KY61D0460	4,6	47	80	10
KY61D0470	4,7	47	80	10
KY61D0475	4,75	47	80	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY61D0480	4,8	52	86	10
KY61D0490	4,9	52	86	10
KY61D0500	5	52	86	10
KY61D0510	5,1	52	86	10
KY61D0520	5,2	52	86	10
KY61D0525	5,25	52	86	10
KY61D0530	5,3	52	86	10
KY61D0540	5,4	57	93	10
KY61D0550	5,5	57	93	10
KY61D0560	5,6	57	93	10
KY61D0570	5,7	57	93	10
KY61D0575	5,75	57	93	10
KY61D0580	5,8	57	93	10
KY61D0590	5,9	57	93	10
KY61D0600	6	57	93	10
KY61D0610	6,1	63	101	10
KY61D0620	6,2	63	101	10
KY61D0625	6,25	63	101	10
KY61D0630	6,3	63	101	10
KY61D0640	6,4	63	101	10
KY61D0650	6,5	63	101	10
KY61D0660	6,6	63	101	10
KY61D0670	6,7	63	101	10
KY61D0675	6,75	69	109	10
KY61D0680	6,8	69	109	10
KY61D0690	6,9	69	109	10
KY61D0700	7	69	109	10
KY61D0710	7,1	69	109	10
KY61D0720	7,2	69	109	10
KY61D0725	7,25	69	109	10
KY61D0730	7,3	69	109	10
KY61D0740	7,4	69	109	10
KY61D0750	7,5	69	109	10
KY61D0760	7,6	75	117	10
KY61D0770	7,7	75	117	10
KY61D0775	7,75	75	117	10
KY61D0780	7,8	75	117	10
KY61D0790	7,9	75	117	10
KY61D0800	8	75	117	10
KY61D0810	8,1	75	117	10
KY61D0820	8,2	75	117	10
KY61D0825	8,25	75	117	10
KY61D0830	8,3	75	117	10
KY61D0840	8,4	75	117	10
KY61D0850	8,5	75	117	10
KY61D0860	8,6	81	125	10
KY61D0870	8,7	81	125	10
KY61D0875	8,75	81	125	10
KY61D0880	8,8	81	125	10
KY61D0890	8,9	81	125	10
KY61D0900	9	81	125	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY61D0910	9,1	81	125	10
KY61D0920	9,2	81	125	10
KY61D0925	9,25	81	125	10
KY61D0930	9,3	81	125	10
KY61D0940	9,4	81	125	10
KY61D0950	9,5	81	125	10
KY61D0960	9,6	87	133	10
KY61D0970	9,7	87	133	10
KY61D0975	9,75	87	133	10
KY61D0980	9,8	87	133	10
KY61D0990	9,9	87	133	10
KY61D1000	10	87	133	10
KY61D1010	10,1	87	133	10
KY61D1020	10,2	87	133	10
KY61D1025	10,25	87	133	10
KY61D1030	10,3	87	133	10
KY61D1040	10,4	87	133	10
KY61D1050	10,5	87	133	10
KY61D1060	10,6	87	133	5
KY61D1070	10,7	94	142	5
KY61D1075	10,75	94	142	5
KY61D1080	10,8	94	142	5
KY61D1090	10,9	94	142	5
KY61D1100	11	94	142	5
KY61D1110	11,1	94	142	5
KY61D1120	11,2	94	142	5
KY61D1125	11,25	94	142	5
KY61D1130	11,3	94	142	5
KY61D1140	11,4	94	142	5
KY61D1150	11,5	94	142	5
KY61D1160	11,6	94	142	5
KY61D1170	11,7	94	142	5
KY61D1175	11,75	94	142	5
KY61D1180	11,8	94	142	5
KY61D1190	11,9	101	151	5
KY61D1200	12	101	151	5
KY61D1210	12,1	101	151	5
KY61D1220	12,2	101	151	5
KY61D1225	12,25	101	151	5
KY61D1230	12,3	101	151	5
KY61D1240	12,4	101	151	5
KY61D1250	12,5	101	151	5
KY61D1260	12,6	101	151	5
KY61D1270	12,7	101	151	5
KY61D1275	12,75	101	151	5
KY61D1280	12,8	101	151	5
KY61D1290	12,9	101	151	5
KY61D1300	13	101	151	5



HSS BOHRER TiN
PUNTE HSS TiN
HSS DRILL TiN

DIN
338

HSS

WHEEL
CUTTING

N
TYP

130°

TiN

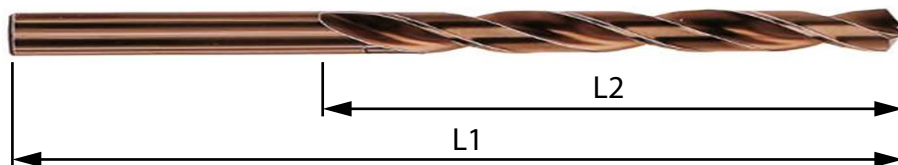
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BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY62D0040	0,4	5	20	10
KY62D0050	0,5	6	22	10
KY62D0060	0,6	7	24	10
KY62D0070	0,7	9	28	10
KY62D0075	0,75	9	28	10
KY62D0080	0,8	10	30	10
KY62D0090	0,9	11	32	10
KY62D0100	1	12	34	10
KY62D0110	1,1	14	36	10
KY62D0120	1,2	16	38	10
KY62D0130	1,3	16	38	10
KY62D0140	1,4	18	40	10
KY62D0150	1,5	18	40	10
KY62D0160	1,6	20	43	10
KY62D0170	1,7	20	43	10
KY62D0175	1,75	22	46	10
KY62D0180	1,8	22	46	10
KY62D0190	1,9	22	46	10
KY62D0200	2	24	49	10
KY62D0210	2,1	24	49	10
KY62D0220	2,2	27	53	10
KY62D0225	2,25	27	53	10
KY62D0230	2,3	27	53	10
KY62D0240	2,4	30	57	10
KY62D0250	2,5	30	57	10
KY62D0260	2,6	30	57	10
KY62D0270	2,7	33	61	10
KY62D0275	2,75	33	61	10
KY62D0280	2,8	33	61	10
KY62D0290	2,9	33	61	10
KY62D0300	3	33	61	10
KY62D0310	3,1	36	65	10
KY62D0320	3,2	36	65	10
KY62D0325	3,25	36	65	10
KY62D0330	3,3	36	65	10
KY62D0340	3,4	39	70	10
KY62D0350	3,5	39	70	10
KY62D0360	3,6	39	70	10
KY62D0370	3,7	39	70	10
KY62D0375	3,75	39	70	10
KY62D0380	3,8	43	75	10
KY62D0390	3,9	43	75	10
KY62D0400	4	43	75	10
KY62D0410	4,1	43	75	10
KY62D0420	4,2	43	75	10
KY62D0425	4,25	43	75	10
KY62D0430	4,3	47	80	10
KY62D0440	4,4	47	80	10
KY62D0450	4,5	47	80	10
KY62D0460	4,6	47	80	10
KY62D0470	4,7	47	80	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY62D0475	4,75	47	80	10
KY62D0480	4,8	52	86	10
KY62D0490	4,9	52	86	10
KY62D0500	5	52	86	10
KY62D0510	5,1	52	86	10
KY62D0520	5,2	52	86	10
KY62D0525	5,25	52	86	10
KY62D0530	5,3	52	86	10
KY62D0540	5,4	57	93	10
KY62D0550	5,5	57	93	10
KY62D0560	5,6	57	93	10
KY64D0570	5,70	57	93	10
KY64D0575	5,75	57	93	10
KY64D0580	5,8	57	93	10
KY64D0590	5,9	57	93	10
KY64D0600	6	57	93	10
KY64D0610	6,1	63	101	10
KY64D0620	6,2	63	101	10
KY64D0625	6,25	63	101	10
KY64D0630	6,3	63	101	10
KY64D0640	6,4	63	101	10
KY64D0650	6,5	63	101	10
KY64D0660	6,6	63	101	10
KY64D0670	6,7	63	101	10
KY64D0675	6,75	69	109	10
KY64D0680	6,8	69	109	10
KY64D0690	6,9	69	109	10
KY64D0700	7	69	109	10
KY64D0710	7,1	69	109	10
KY64D0720	7,2	69	109	10
KY64D0725	7,25	69	109	10
KY64D0730	7,3	69	109	10
KY64D0740	7,4	69	109	10
KY64D0750	7,5	69	109	10
KY64D0760	7,6	75	117	10
KY64D0770	7,7	75	117	10
KY64D0775	7,75	75	117	10
KY64D0780	7,8	75	117	10
KY64D0790	7,9	75	117	10
KY64D0800	8	75	117	10
KY64D0810	8,1	75	117	10
KY64D0820	8,2	75	117	10
KY64D0825	8,25	75	117	10
KY64D0830	8,3	75	117	10
KY64D0840	8,4	75	117	10
KY64D0850	8,5	75	117	10
KY64D0600	8,6	81	125	10
KY64D0700	8,7	81	125	10
KY64D0750	8,75	81	125	10
KY64D0880	8,8	81	125	10
KY64D0890	8,9	81	125	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY64D0900	9	81	125	10
KY64D0910	9,1	81	125	10
KY64D0920	9,2	81	125	10
KY64D0950	9,25	81	125	10
KY64D0930	9,3	81	125	10
KY62D0940	9,4	81	125	10
KY62D0950	9,5	81	125	10
KY62D0960	9,6	87	133	10
KY62D0970	9,7	87	133	10
KY62D0975	9,75	87	133	10
KY62D0980	9,8	87	133	10
KY62D0990	9,9	87	133	10
KY62D1000	10	87	133	10
KY62D1010	10,1	87	133	10
KY62D1020	10,2	87	133	10
KY62D1025	10,25	87	133	10
KY62D1030	10,3	87	133	10
KY62D1040	10,4	87	133	10
KY62D1050	10,5	87	133	10
KY62D1060	10,6	87	133	5
KY62D1070	10,7	94	142	5
KY62D1075	10,75	94	142	5
KY62D1080	10,8	94	142	5
KY62D1090	10,9	94	142	5
KY62D1100	11	94	142	5
KY62D1110	11,1	94	142	5
KY62D1120	11,2	94	142	5
KY62D1125	11,25	94	142	5
KY62D1130	11,3	94	142	5
KY62D1140	11,4	94	142	5
KY62D1150	11,5	94	142	5
KY62D1160	11,6	94	142	5
KY62D1170	11,7	94	142	5
KY62D1175	11,75	94	142	5
KY62D1180	11,8	94	142	5
KY62D1190	11,9	101	151	5
KY62D1200	12	101	151	5
KY62D1210	12,1	101	151	5
KY62D1220	12,2	101	151	5
KY62D1225	12,25	101	151	5
KY62D1230	12,3	101	151	5
KY62D1240	12,4	101	151	5
KY62D1250	12,5	101	151	5
KY62D1260	12,6	101	151	5
KY62D1270	12,7	101	151	5
KY62D1275	12,75	101	151	5
KY62D1280	12,8	101	151	5
KY62D1290	12,9	101	151	5
KY62D1300	13	101	151	5



BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY64D0040	0,4	5	20	10
KY64D0050	0,5	6	22	10
KY64D0060	0,6	7	24	10
KY64D0070	0,7	9	28	10
KY64D0075	0,75	9	28	10
KY64D0080	0,8	10	30	10
KY64D0090	0,9	11	32	10
KY64D0100	1	12	34	10
KY64D0110	1,1	14	36	10
KY64D0120	1,2	16	38	10
KY64D0130	1,3	16	38	10
KY64D0140	1,4	18	40	10
KY64D0150	1,5	18	40	10
KY64D0160	1,6	20	43	10
KY64D0170	1,7	20	43	10
KY64D0175	1,75	22	46	10
KY64D0180	1,8	22	46	10
KY64D0190	1,9	22	46	10
KY64D0200	2	24	49	10
KY64D0210	2,1	24	49	10
KY64D0220	2,2	27	53	10
KY64D0225	2,25	27	53	10
KY64D0230	2,3	27	53	10
KY64D0240	2,4	30	57	10
KY64D0250	2,5	30	57	10
KY64D0260	2,6	30	57	10
KY64D0270	2,7	33	61	10
KY64D0275	2,75	33	61	10
KY64D0280	2,8	33	61	10
KY64D0290	2,9	33	61	10
KY64D0300	3	33	61	10
KY64D0310	3,1	36	65	10
KY64D0320	3,2	36	65	10
KY64D0325	3,25	36	65	10
KY64D0330	3,3	36	65	10
KY64D0340	3,4	39	70	10
KY64D0350	3,5	39	70	10
KY64D0360	3,6	39	70	10
KY64D0370	3,7	39	70	10
KY64D0375	3,75	39	70	10
KY64D0380	3,8	43	75	10
KY64D0390	3,9	43	75	10
KY64D0400	4	43	75	10
KY64D0410	4,1	43	75	10
KY64D0420	4,2	43	75	10
KY64D0425	4,25	43	75	10
KY64D0430	4,3	47	80	10
KY64D0440	4,4	47	80	10
KY64D0450	4,5	47	80	10
KY64D0460	4,6	47	80	10
KY64D0470	4,7	47	80	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY64D0475	4,75	47	80	10
KY64D0480	4,8	52	86	10
KY64D0490	4,9	52	86	10
KY64D0500	5	52	86	10
KY64D0510	5,1	52	86	10
KY64D0520	5,2	52	86	10
KY64D0525	5,25	52	86	10
KY64D0530	5,3	52	86	10
KY64D0540	5,4	57	93	10
KY64D0550	5,5	57	93	10
KY64D0560	5,6	57	93	10
KY64D0570	5,7	57	93	10
KY64D0575	5,75	57	93	10
KY64D0580	5,8	57	93	10
KY64D0590	5,9	57	93	10
KY64D0600	6	57	93	10
KY64D0610	6,1	63	101	10
KY64D0620	6,2	63	101	10
KY64D0625	6,25	63	101	10
KY64D0630	6,3	63	101	10
KY64D0640	6,4	63	101	10
KY64D0650	6,5	63	101	10
KY64D0660	6,6	63	101	10
KY64D0670	6,7	63	101	10
KY64D0675	6,75	69	109	10
KY64D0680	6,8	69	109	10
KY64D0690	6,9	69	109	10
KY64D0700	7	69	109	10
KY64D0710	7,1	69	109	10
KY64D0720	7,2	69	109	10
KY64D0725	7,25	69	109	10
KY64D0730	7,3	69	109	10
KY64D0740	7,4	69	109	10
KY64D0750	7,5	69	109	10
KY64D0760	7,6	75	117	10
KY64D0770	7,7	75	117	10
KY64D0775	7,75	75	117	10
KY64D0780	7,8	75	117	10
KY64D0790	7,9	75	117	10
KY64D0800	8	75	117	10
KY64D0810	8,1	75	117	10
KY64D0820	8,2	75	117	10
KY64D0825	8,25	75	117	10
KY64D0830	8,3	75	117	10
KY64D0840	8,4	75	117	10
KY64D0850	8,5	75	117	10
KY64D0860	8,6	81	125	10
KY64D0870	8,7	81	125	10
KY64D0875	8,75	81	125	10
KY64D0880	8,8	81	125	10
KY64D0890	8,9	81	125	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY64D0900	9	81	125	10
KY64D0910	9,1	81	125	10
KY64D0920	9,2	81	125	10
KY64D0925	9,25	81	125	10
KY64D0930	9,3	81	125	10
KY64D0940	9,4	81	125	10
KY64D0950	9,5	81	125	10
KY64D0960	9,6	87	133	10
KY64D0970	9,7	87	133	10
KY64D0975	9,75	87	133	10
KY64D0980	9,8	87	133	10
KY64D0990	9,9	87	133	10
KY64D1000	10	87	133	10
KY64D1010	10,1	87	133	10
KY64D1020	10,2	87	133	10
KY64D1025	10,25	87	133	10
KY64D1030	10,3	87	133	10
KY64D1040	10,4	87	133	10
KY64D1050	10,5	87	133	10
KY64D1060	10,6	87	133	5
KY64D1070	10,7	94	142	5
KY64D1075	10,75	94	142	5
KY64D1080	10,8	94	142	5
KY64D1090	10,9	94	142	5
KY64D1100	11	94	142	5
KY64D1110	11,1	94	142	5
KY64D1120	11,2	94	142	5
KY64D1125	11,25	94	142	5
KY64D1130	11,3	94	142	5
KY64D1140	11,4	94	142	5
KY64D1150	11,5	94	142	5
KY64D1160	11,6	94	142	5
KY64D1170	11,7	94	142	5
KY64D1175	11,75	94	142	5
KY64D1180	11,8	94	142	5
KY64D1190	11,9	101	151	5
KY64D1200	12	101	151	5
KY64D1210	12,1	101	151	5
KY64D1220	12,2	101	151	5
KY64D1225	12,25	101	151	5
KY64D1230	12,3	101	151	5
KY64D1240	12,4	101	151	5
KY64D1250	12,5	101	151	5
KY64D1260	12,6	101	151	5
KY64D1270	12,7	101	151	5
KY64D1275	12,75	101	151	5
KY64D1280	12,8	101	151	5
KY64D1290	12,9	101	151	5
KY64D1300	13	101	151	5



HSS BOHRER SERIE EXTRA COURTE
PUNTE HSS SERIE EXTRA CORTE
HSS DRILLS SERIES EXTRA COURTE

DIN
1897

HSS

WHEEL
CUTTING

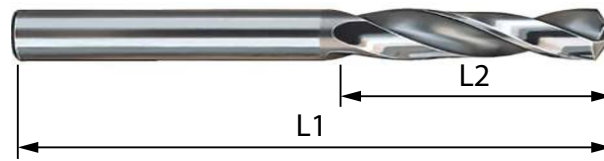
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130°

WHITE

P1

M3



BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY57D0100	1	6	26	10
KY57D0110	1,1	7	28	10
KY57D0120	1,2	8	30	10
KY57D0130	1,3	8	30	10
KY57D0140	1,4	9	32	10
KY57D0150	1,5	9	32	10
KY57D0160	1,6	10	34	10
KY57D0170	1,7	10	34	10
KY57D0180	1,8	11	36	10
KY57D0190	1,9	11	36	10
KY57D0200	2	12	38	10
KY57D0210	2,1	12	38	10
KY57D0220	2,2	13	40	10
KY57D0230	2,3	13	40	10
KY57D0240	2,4	14	43	10
KY57D0250	2,5	14	43	10
KY57D0260	2,6	14	43	10
KY57D0270	2,7	16	46	10
KY57D0280	2,8	16	46	10
KY57D0290	2,9	16	46	10
KY57D0300	3	16	46	10
KY57D0310	3,1	18	49	10
KY57D0320	3,2	18	49	10
KY57D0330	3,3	18	49	10
KY57D0340	3,4	20	52	10
KY57D0350	3,5	20	52	10
KY57D0360	3,6	20	52	10
KY57D0370	3,7	20	52	10
KY57D0380	3,8	22	55	10
KY57D0390	3,9	22	55	10
KY57D0400	4	22	55	10
KY57D0410	4,1	22	55	10
KY57D0420	4,2	22	55	10
KY57D0430	4,3	24	58	10
KY57D0440	4,4	24	58	10
KY57D0450	4,5	24	58	10
KY57D0460	4,6	24	58	10
KY57D0470	4,7	24	58	10
KY57D0480	4,8	26	62	10
KY57D0490	4,9	26	62	10
KY57D0500	5	26	62	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY57D0510	5,1	26	62	10
KY57D0520	5,2	26	62	10
KY57D0530	5,3	26	62	10
KY57D0540	5,4	28	66	10
KY57D0550	5,5	28	66	10
KY57D0560	5,6	28	66	10
KY57D0570	5,7	28	66	10
KY57D0580	5,8	28	66	10
KY57D0590	5,9	28	66	10
KY57D0600	6	28	66	10
KY57D0610	6,1	31	70	10
KY57D0620	6,2	31	70	10
KY57D0630	6,3	31	70	10
KY57D0640	6,4	31	70	10
KY57D0650	6,5	31	70	10
KY57D0660	6,6	31	70	10
KY57D0670	6,7	31	70	10
KY57D0680	6,8	34	74	10
KY57D0690	6,9	34	74	10
KY57D0700	7	34	74	10
KY57D0710	7,1	34	74	10
KY57D0720	7,2	34	74	10
KY57D0730	7,3	34	74	10
KY57D0740	7,4	34	74	10
KY57D0750	7,5	34	74	10
KY57D0760	7,6	37	79	10
KY57D0770	7,7	37	79	10
KY57D0780	7,8	37	79	10
KY57D0790	7,9	37	79	10
KY57D0800	8	37	79	10
KY57D0810	8,1	37	79	10
KY57D0820	8,2	37	79	10
KY57D0830	8,3	37	79	10
KY57D0840	8,4	37	79	10
KY57D0850	8,5	37	79	10
KY57D0860	8,6	40	84	10
KY57D0870	8,7	40	84	10
KY57D0880	8,8	40	84	10
KY57D0890	8,9	40	84	10
KY57D0900	9	40	84	10
KY57D0910	9,1	40	84	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY57D0920	9,2	40	84	10
KY57D0930	9,3	40	84	10
KY57D0940	9,4	40	84	10
KY57D0950	9,5	40	84	10
KY57D0960	9,6	43	89	10
KY57D0970	9,7	43	89	10
KY57D0980	9,8	43	89	10
KY57D0990	9,9	43	89	10
KY57D1000	10	43	89	10
KY57D1010	10,1	43	89	10
KY57D1020	10,2	43	89	10
KY57D1030	10,3	43	89	10
KY57D1040	10,4	43	89	10
KY57D1050	10,5	43	89	10
KY57D1060	10,6	43	89	5
KY57D1070	10,7	47	95	5
KY57D1080	10,8	47	95	5
KY57D1090	10,9	47	95	5
KY57D1100	11	47	95	5
KY57D1110	11,1	47	95	5
KY57D1120	11,2	47	95	5
KY57D1130	11,3	47	95	5
KY57D1140	11,4	47	95	5
KY57D1150	11,5	47	95	5
KY57D1160	11,6	47	95	5
KY57D1170	11,7	47	95	5
KY57D1180	11,8	47	95	5
KY57D1190	11,9	51	102	5
KY57D1200	12	51	102	5
KY57D1210	12,1	51	102	5
KY57D1220	12,2	51	102	5
KY57D1230	12,3	51	102	5
KY57D1240	12,4	51	102	5
KY57D1250	12,5	51	102	5
KY57D1260	12,6	51	102	5
KY57D1270	12,7	51	102	5
KY57D1280	12,8	51	102	5
KY57D1290	12,9	51	102	5
KY57D1300	13	51	102	5

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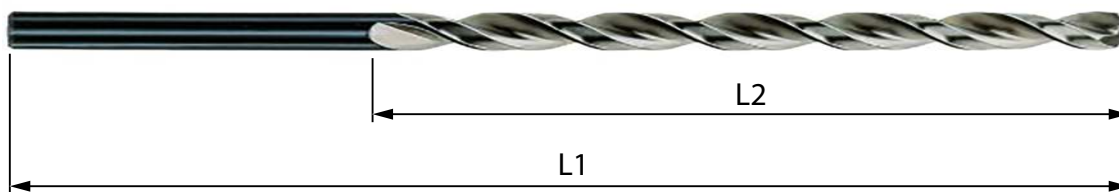
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K5



BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY58D0100	1	33	56	10
KY58D0110	1,1	37	60	10
KY58D0120	1,2	41	65	10
KY58D0130	1,3	41	65	10
KY58D0140	1,4	45	70	10
KY58D0150	1,5	45	70	10
KY58D0150	1,6	50	76	10
KY58D0160	1,7	50	76	10
KY58D0180	1,8	53	80	10
KY58D0190	1,9	53	80	10
KY58D0200	2	56	85	10
KY58D0210	2,1	56	85	10
KY58D0220	2,2	59	90	10
KY58D0230	2,3	59	90	10
KY58D0240	2,4	62	95	10
KY58D0250	2,5	62	95	10
KY58D0260	2,6	62	95	10
KY58D0270	2,7	66	100	10
KY58D2080	2,8	66	100	10
KY58D0290	2,9	66	100	10
KY58D0300	3	66	100	10
KY58D0310	3,1	69	106	10
KY58D0320	3,2	69	106	10
KY58D0330	3,3	69	106	10
KY58D0340	3,4	73	112	10
KY58D0350	3,5	73	112	10
KY58D0360	3,6	73	112	10
KY58D0370	3,7	73	112	10
KY58D0380	3,8	78	119	10
KY58D0390	3,9	78	119	10
KY58D0400	4	78	119	10
KY58D0410	4,1	78	119	10
KY58D0420	4,2	78	119	10
KY58D0430	4,3	82	126	10
KY58D0440	4,4	82	126	10
KY58D0450	4,5	82	126	10
KY58D0460	4,6	82	126	10
KY58D0470	4,7	82	126	10
KY58D0480	4,8	87	132	10
KY58D0490	4,9	87	132	10
KY58D0500	5	87	132	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY58D0510	5,1	87	132	10
KY58D0520	5,2	87	132	10
KY58D0530	5,3	87	132	10
KY58D0540	5,4	91	139	10
KY58D0550	5,5	91	139	10
KY58D0560	5,6	91	139	10
KY58D0570	5,7	91	139	10
KY58D0580	5,8	91	139	10
KY58D0590	5,9	91	139	10
KY58D0600	6	91	139	10
KY58D0610	6,1	97	148	10
KY58D0620	6,2	97	148	10
KY58D0630	6,3	97	148	10
KY58D0640	6,4	97	148	10
KY58D0650	6,5	97	148	10
KY58D0660	6,6	97	148	10
KY58D0670	6,7	97	148	10
KY58D0680	6,8	102	156	10
KY58D0690	6,9	102	156	10
KY58D0700	7	102	156	10
KY58D0710	7,1	102	156	10
KY58D0720	7,2	102	156	10
KY58D0730	7,3	102	156	10
KY58D0740	7,4	102	156	10
KY58D0750	7,5	102	156	10
KY58D0760	7,6	109	165	10
KY58D0770	7,7	109	165	10
KY58D0780	7,8	109	165	10
KY58D0790	7,9	109	165	10
KY58D0800	8	109	165	10
KY58D0810	8,1	109	165	10
KY58D0820	8,2	109	165	10
KY58D0830	8,3	109	165	10
KY58D0840	8,4	109	165	10
KY58D0850	8,5	109	165	10
KY58D0860	8,6	115	175	10
KY58D0870	8,7	115	175	10
KY58D0880	8,8	115	175	10
KY58D0890	8,9	115	175	10
KY58D0900	9	115	175	10
KY58D0910	9,1	115	175	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY58D0920	9,2	115	175	10
KY58D0930	9,3	115	175	10
KY58D0940	9,4	115	175	10
KY58D0950	9,5	115	175	10
KY58D0960	9,6	121	184	10
KY58D0970	9,7	121	184	10
KY58D0980	9,8	121	184	10
KY58D0990	9,9	121	184	10
KY58D1000	10	121	184	10
KY58D1010	10,1	121	184	10
KY58D1020	10,2	121	184	10
KY58D1030	10,3	121	184	10
KY58D1040	10,4	121	184	10
KY58D1050	10,5	121	184	10
KY58D1060	10,6	121	184	5
KY58D1070	10,7	128	195	5
KY58D1080	10,8	128	195	5
KY58D1090	10,9	128	195	5
KY58D1100	11	128	195	5
KY58D1110	11,1	128	195	5
KY58D1120	11,2	128	195	5
KY58D1130	11,3	128	195	5
KY58D1140	11,4	128	195	5
KY58D1150	11,5	128	195	5
KY58D1160	11,6	128	195	5
KY58D1170	11,7	128	195	5
KY58D1180	11,8	128	195	5
KY58D1190	11,9	134	205	5
KY58D1200	12	134	205	5
KY58D1210	12,1	134	205	5
KY58D1220	12,2	134	205	5
KY58D1230	12,3	134	205	5
KY58D1240	12,4	134	205	5
KY58D1250	12,5	134	205	5
KY58D1260	12,6	134	205	5
KY58D1270	12,7	134	205	5
KY58D1280	12,8	134	205	5
KY58D1290	12,9	134	205	5
KY58D1300	13	134	205	5



DAMPFBEHANDELT HSS BOHRER MORSEKEGEL
PUNTE HSS VAPORIZZATE CONO MORSE
STEAM OXIDE HSS DRILLS MORSE TAPER

DIN
345

HSS

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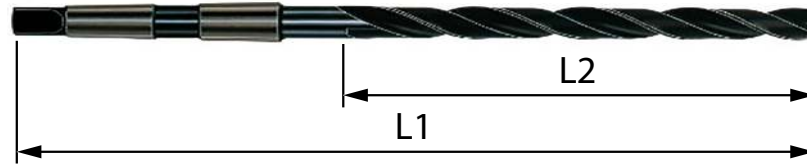
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BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY67D0600	6	57	138	1
KY67D0650	6,5	63	144	1
KY67D0680	6,8	69	150	1
KY67D0700	7	69	150	1
KY67D0750	7,5	69	150	1
KY67D0800	8	75	156	1
KY67D0850	8,5	75	156	1
KY67D0875	8,75	75	156	1
KY67D0900	9	81	162	1
KY67D0950	9,5	81	162	1
KY67D1000	10	87	168	1
KY67D1025	10,25	87	168	1
KY67D1050	10,5	87	168	1
KY67D1075	10,75	94	175	1
KY67D1100	11	94	175	1
KY67D1125	11,25	94	175	1
KY67D1150	11,5	94	175	1
KY67D1175	11,75	94	175	1
KY67D1200	12	101	182	1
KY67D1225	12,25	101	182	1
KY67D1250	12,5	101	182	1
KY67D1275	12,75	101	182	1
KY67D1300	13	101	182	1
KY67D1325	13,25	108	189	1
KY67D1350	13,5	108	189	1
KY67D1375	13,75	108	189	1
KY67D1400	14	108	189	1
KY67D1425	14,25	114	212	2
KY67D1450	14,5	114	212	2
KY67D1475	14,75	114	212	2
KY67D1500	15	114	212	2
KY67D1525	15,25	120	218	2
KY67D1550	15,5	120	218	2
KY67D1575	15,75	120	218	2
KY67D1600	16	120	218	2
KY67D1625	16,25	125	223	2
KY67D1650	16,5	125	223	2
KY67D1675	16,75	125	223	2
KY67D1700	17	125	223	2
KY67D1725	17,25	130	228	2
KY67D1750	17,5	130	228	2
KY67D1775	17,75	130	228	2
KY67D1800	18	130	228	2
KY67D1825	18,25	135	233	2
KY67D1850	18,5	135	233	2
KY67D1875	18,75	135	233	2
KY67D1900	19	135	233	2
KY67D1925	19,25	140	238	2
KY67D1950	19,5	140	238	2

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY67D1975	19,75	140	238	2
KY67D2000	20	140	238	2
KY67D2025	20,25	145	243	2
KY67D2050	20,5	145	243	2
KY67D2075	20,75	145	243	2
KY67D2100	21	145	243	2
KY67D2125	21,25	150	248	2
KY67D2150	21,5	150	248	2
KY67D2175	21,75	150	248	2
KY67D2200	22	150	248	2
KY67D2225	22,25	150	248	2
KY67D2250	22,5	155	253	2
KY67D2275	22,75	155	253	2
KY67D2300	23	155	253	2
KY67D2325	23,25	155	276	3
KY67D2350	23,5	155	276	3
KY67D2375	23,75	160	281	3
KY67D2400	24	160	281	3
KY67D2425	24,25	160	281	3
KY67D2450	24,5	160	281	3
KY67D2475	24,75	160	281	3
KY67D2500	25	160	281	3
KY67D2525	25,25	165	286	3
KY67D2550	25,5	165	286	3
KY67D2575	25,75	165	286	3
KY67D2600	26	165	286	3
KY67D2625	26,25	165	286	3
KY67D2650	26,5	165	286	3
KY67D2675	26,75	170	291	3
KY67D2700	27	170	291	3
KY67D2725	27,25	170	291	3
KY67D2750	27,5	170	291	3
KY67D2775	27,75	170	291	3
KY67D2800	28	170	291	3
KY67D2825	28,25	175	296	3
KY67D2850	28,5	175	296	3
KY67D2875	28,75	175	296	3
KY67D2900	29	175	296	3
KY67D2925	29,25	175	296	3
KY67D2950	29,5	175	296	3
KY67D2975	29,75	175	296	3
KY67D3000	30	175	296	3
KY67D3050	30,5	180	301	3
KY67D3075	30,75	180	301	3
KY67D3100	31	180	310	3
KY67D3150	31,5	180	301	3
KY67D3200	32	185	334	4
KY67D3250	32,5	185	334	4
KY67D3300	33	185	334	4

BESTELL.-NR. ARTICOLO ORDER NR.	ØD h8	L2	L1	PIECES
KY67D3350	33,5	185	334	4
KY67D3400	34	190	339	4
KY67D3450	34,5	190	339	4
KY67D3500	35	190	339	4
KY67D3550	35,5	190	339	4
KY67D3600	36	195	344	4
KY67D3650	36,5	195	344	4
KY67D3700	37	195	344	4
KY67D3750	37,5	195	344	4
KY67D3800	38	200	349	4
KY67D3850	38,5	200	349	4
KY67D3900	39	200	349	4
KY67D3950	39,5	200	349	4
KY67D4000	40	200	349	4
KY67D4050	40,5	205	354	4
KY67D4100	41	205	354	4
KY67D4150	41,5	205	354	4
KY67D4200	42	205	354	4
KY67D4250	42,5	205	354	4
KY67D4300	43	210	359	4
KY67D4350	43,5	210	359	4
KY67D4400	44	210	359	4
KY67D4450	44,5	210	359	4
KY67D4500	45	210	359	4
KY67D4550	45,5	215	364	4
KY67D4600	46	215	364	4
KY67D4650	46,5	215	364	4
KY67D4700	47	215	364	4
KY67D4750	47,5	215	364	4
KY67D4800	48	220	369	4
KY67D4850	48,5	220	369	4
KY67D4900	49	220	369	4
KY67D4950	49,5	220	369	4
KY67D5000	50	220	369	4
KY67D5050	50,5	225	412	5
KY67D5100	51	225	412	5
KY67D5200	52	225	412	5
KY67D5300	53	225	412	5
KY67D5400	54	230	417	5
KY67D5500	55	230	417	5
KY67D6000	56	230	417	5
KY67D5700	57	235	422	5
KY67D5800	58	235	422	5
KY67D5900	59	235	422	5
KY67D6000	60	235	422	5
KY67D6500	65	245	432	5
KY67D7000	70	250	437	5



DAMPFBEHANDELT HSS DOPPELSPITZIGER BOHRER
PUNTE HSS VAPORIZZATE DOPPIE
STEAM OXIDE HSS DOUBLE-POINTED DRILLS

DIN
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BESTELL.-NR. ARTICOLO ORDER NR.	ØD	L2	L1	PIECES
	h8			
KY63D0300	3	11	46	10
KY63D0320	3,2	11	49	10
KY63D0350	3,5	13	52	10
KY63D0400	4	14	55	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD	L2	L1	PIECES
	h8			
KY63D0420	4,2	14	55	10
KY63D0450	4,5	16	58	10
KY63D0500	5	17	62	10
KY63D0550	5,5	19	66	10

BESTELL.-NR. ARTICOLO ORDER NR.	ØD	L2	L1	PIECES
	h8			
KY63D0600	6	19	66	10
KY63D0650	6,5	21	70	10
KY63D0680	6,8	24	74	10
KY63D0800	8	25	79	10



HSS ZENTRIERBOHRER
HSS PUNTE DA CENTRI
HSS CENTER DRILL

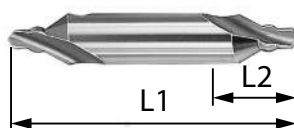
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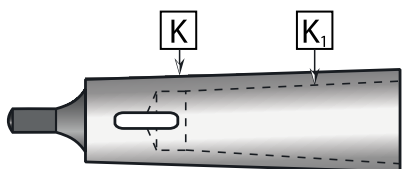
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	h8			
KY55D041	4,0x1,0	1,3~1,7	33,5~37,5	1
KY55D051.5	5,0x1,5	2,0~2,8	38~42	1
KY55D062	6,0x2,0	2,5~3,3	43~47	1
KY55D082.5	8,0x2,5	3,1~4,1	48~52	1

BESTELL.-NR. ARTICOLO ORDER NR.	ØD	L2	L1	PIECES
	h8			
KY55D083	8,0x3,0	3,9~4,9	48~52	1
KY55D103	10,0x3,0	3,9~4,9	54~59	1
KY55D104	10,0x4,0	5,0~6,2	54~59	1
KY55D124	12,0x4,0	5,0~6,2	63~64,2	1

BESTELL.-NR. ARTICOLO ORDER NR.	ØD	L2	L1	PIECES
	h8			
KY55D145	14,0x5,0	6,3~7,5	68~74	1
KY55D186	18,0x6,0	8,0~9,2	77~83	1
KY55D206.3	20,0x6,3	8,0~9,2	77~83	1
KY55D258	25,0x8,0	10,1~11,5	97~103	1



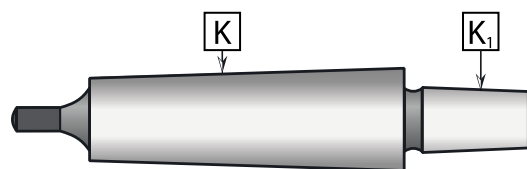
WISCHENHÜLSE FÜR MORSE KEGEL
BUSSOLE DI RIDUZIONE CONO MORSE
REDUCING ADAPTORS MORSE TAPER



BESTELL.-NR. ARTICOLO ORDER NR.	K	K1	PIECES
	MORSE	MORSE	
KY8512	CM1	CM2	1
KY8513	CM1	CM3	1
KY8523	CM2	CM3	1
KY8524	CM2	CM4	1
KY8534	CM3	CM4	1
KY8545	CM4	CM5	1



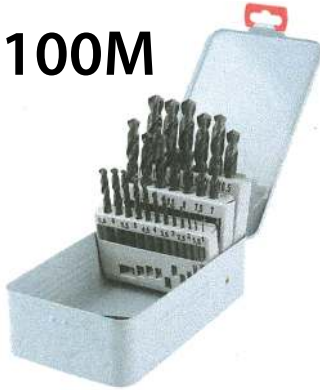
WISCHENHÜLSE FÜR MORSE KEGEL
BUSSOLE DI RIDUZIONE CONO MORSE
REDUCING ADAPTORS MORSE TAPER



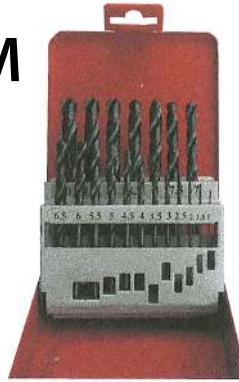
BESTELL.-NR. ARTICOLO ORDER NR.	K	K1	PIECES
	MORSE	MORSE	
KY86CM112	CM1	B12	1
KY86CM212	CM2	B12	1
KY86CM216	CM2	B16	1
KY86CM312	CM3	B12	1
KY86CM316	CM3	B16	1



100M



101M



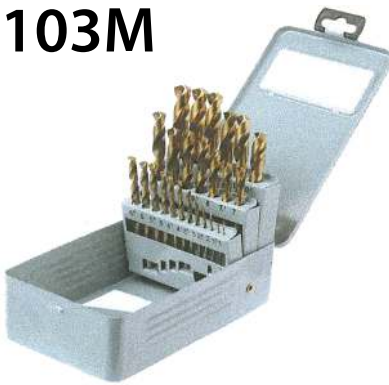
108M



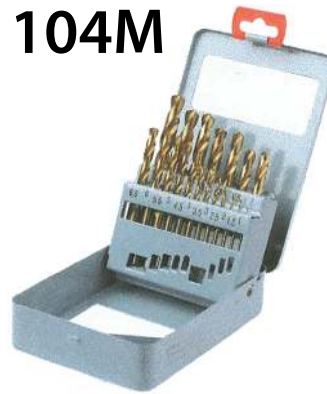
109M



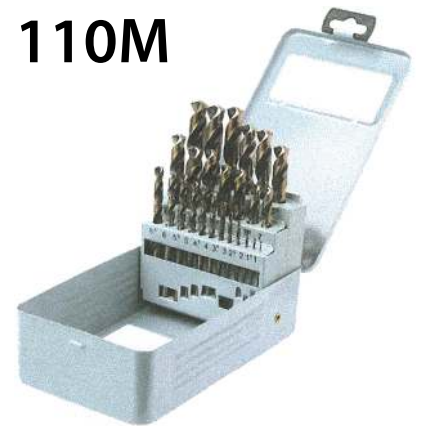
103M



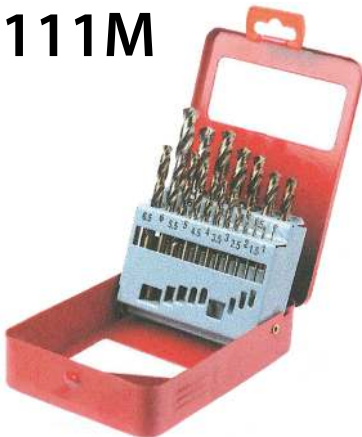
104M



110M



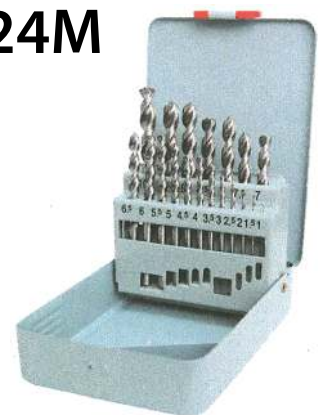
111M



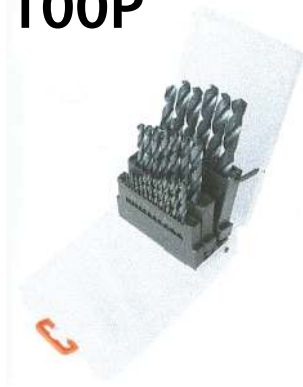
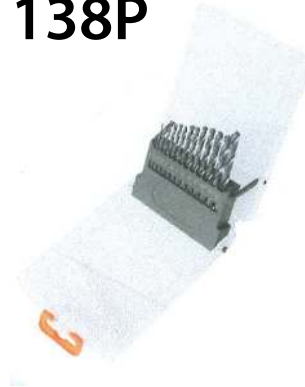
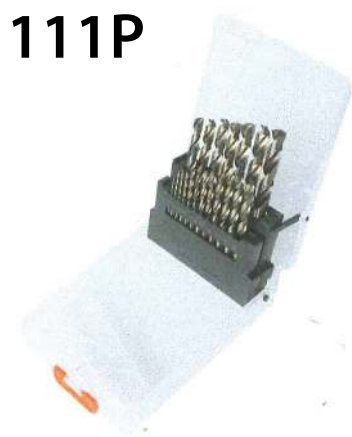
123M



124M



BESTELL.-NR. ARTICOLO ORDER NR.	BESCHREIBUNG - DESIGNAZIONE - DESIGNATION	COMPOSITION	PIECES
KY100M	HSS – VAPORIZZATE – DIN 338	1,0-13,0 / 0,5	25
KY101M	HSS – VAPORIZZATE – DIN 338	1,0-10,0 / 0,5	19
KY103M	HSS – TiN – DIN 338	1,0-13,0 / 0,5	25
KY104M	HSS – TiN – DIN 338	1,0-10,0 / 0,5	19
KY108M	HSS – LAMINATA – DIN 338	1,0-13,0 / 0,5	25
KY109M	HSS – GEWALZT – LAMINATA - ROLLED – DIN 338	1,0-10,0 / 0,5	19
KY110M	HSSE-5%Co – AMB RED – SP DIN 338	1,0-13,0 / 0,5	25
KY111M	HSSE-5%Co – AMB RED – SP DIN 338	1,0-10,0 / 0,5	19
KY123M	HSSE-5%Co – UDL SP DIN 338	1,0-13,0 / 0,5	25
KY124M	HSSE-5%Co – UDL SP DIN 338	1,0-10,0 / 0,5	19

100P**101P****138P****103P****104P****132P****110P****111P****123P****134P****124P**

BESTELL.-NR. ARTICOLO ORDER NR.	BESCHREIBUNG - DESIGNAZIONE - DESIGNATION	COMPOSITION	PIECES
KY100P	HSS - VAPORIZZATE - DIN 338	1,0-13,0 / 0,5	25
KY101P	HSS - VAPORIZZATE - DIN 338	1,0-10,0 / 0,5	19
KY103P	HSS - TiN - DIN 338	1,0-13,0 / 0,5	25
KY104P	HSS - TiN - DIN 338	1,0-10,0 / 0,5	19
KY110P	HSSE-5%Co - AMB RED - SP DIN 338	1,0-13,0 / 0,5	25
KY111P	HSSE-5%Co - AMB RED - SP DIN 338	1,0-10,0 / 0,5	19
KY123P	HSSE-5%Co - UDL SP DIN 338	1,0-13,0 / 0,5	25
KY124P	HSSE-5%Co - UDL SP DIN 338	1,0-10,0 / 0,5	19
KY138P	HSS - VAPORIZZATE - DIN 338	1,5-6,5 / 0,5 +3,2+4,8	13
KY132P	HSS - TiN - DIN 338	1,5-6,5 / 0,5 +3,2+4,8	13
KY134P	HSSE-5%Co - AMB RED - SP DIN 338	1,5-6,5 / 0,5 +3,2+4,8	13



HARTMETALL-BOHRER TiAlN - 5xD - DIN 338
PUNTE IN METALLO DURO TiAlN- 5xD - DIN 338
CARBIDE DRILL TiAlN - 5xD - DIN 338

DIN
338

MD
CARBIDE

WHEEL
CUTTING

140°

30°
HELIX

TiAlN

P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D m7	Ø d h6	L2	L1	Pcs.
KYMCDS001D3	3	3	33	61	1
KYMCDS001D3.1	3,1	3,1	36	65	1
KYMCDS001D3.2	3,2	3,2	36	65	1
KYMCDS001D3.3	3,3	3,3	36	65	1
KYMCDS001D3.4	3,4	3,4	39	70	1
KYMCDS001D3.5	3,5	3,5	39	70	1
KYMCDS001D3.6	3,6	3,6	39	70	1
KYMCDS001D3.7	3,7	3,7	39	70	1
KYMCDS001D3.8	3,8	3,8	43	75	1
KYMCDS001D3.9	3,9	3,9	43	75	1
KYMCDS001D4	4	4	43	75	1
KYMCDS001D4.1	4,1	4,1	43	75	1
KYMCDS001D4.2	4,2	4,2	43	75	1
KYMCDS001D4.3	4,3	4,3	47	80	1
KYMCDS001D4.4	4,4	4,4	47	80	1
KYMCDS001D4.5	4,5	4,5	47	80	1
KYMCDS001D4.6	4,6	4,6	47	80	1
KYMCDS001D4.7	4,7	4,7	47	80	1
KYMCDS001D4.8	4,8	4,8	52	86	1
KYMCDS001D4.9	4,9	4,9	52	86	1
KYMCDS001D5	5	5	52	86	1
KYMCDS001D5.1	5,1	5,1	52	86	1
KYMCDS001D5.2	5,2	5,2	52	86	1
KYMCDS001D5.3	5,3	5,3	52	86	1
KYMCDS001D5.4	5,4	5,4	57	93	1
KYMCDS001D5.5	5,5	5,5	57	93	1
KYMCDS001D5.6	5,6	5,6	57	93	1
KYMCDS001D5.7	5,7	5,7	57	93	1
KYMCDS001D5.8	5,8	5,8	57	93	1
KYMCDS001D5.9	5,9	5,9	57	93	1
KYMCDS001D6	6	6	57	93	1
KYMCDS001D6.1	6,1	6,1	63	101	1
KYMCDS001D6.2	6,2	6,2	63	101	1
KYMCDS001D6.3	6,3	6,3	63	101	1
KYMCDS001D6.4	6,4	6,4	63	101	1
KYMCDS001D6.5	6,5	6,5	63	101	1
KYMCDS001D6.6	6,6	6,6	63	101	1
KYMCDS001D6.7	6,7	6,7	63	101	1
KYMCDS001D6.8	6,8	6,8	69	109	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D m7	Ø d h6	L2	L1	Pcs.
KYMCDS001D6.9	6,9	6,9	69	109	1
KYMCDS001D7	7	7	69	109	1
KYMCDS001D7.1	7,1	7,1	69	109	1
KYMCDS001D7.2	7,2	7,2	69	109	1
KYMCDS001D7.3	7,3	7,3	69	109	1
KYMCDS001D7.4	7,4	7,4	69	109	1
KYMCDS001D7.5	7,5	7,5	69	109	1
KYMCDS001D7.6	7,6	7,6	75	117	1
KYMCDS001D7.7	7,7	7,7	75	117	1
KYMCDS001D7.8	7,8	7,8	75	117	1
KYMCDS001D7.9	7,9	7,9	75	117	1
KYMCDS001D8	8	8	75	117	1
KYMCDS001D8.1	8,1	8,1	75	117	1
KYMCDS001D8.2	8,2	8,2	75	117	1
KYMCDS001D8.3	8,3	8,3	75	117	1
KYMCDS001D8.4	8,4	8,4	75	117	1
KYMCDS001D8.5	8,5	8,5	75	117	1
KYMCDS001D8.6	8,6	8,6	81	125	1
KYMCDS001D8.7	8,7	8,7	81	125	1
KYMCDS001D8.8	8,8	8,8	81	125	1
KYMCDS001D8.9	8,9	8,9	81	125	1
KYMCDS001D9	9	9	81	125	1
KYMCDS001D9.1	9,1	9,1	81	125	1
KYMCDS001D9.2	9,2	9,2	81	125	1
KYMCDS001D9.3	9,3	9,3	81	125	1
KYMCDS001D9.4	9,4	9,4	81	125	1
KYMCDS001D9.5	9,5	9,5	81	125	1
KYMCDS001D9.6	9,6	9,6	87	133	1
KYMCDS001D9.7	9,7	9,7	87	133	1
KYMCDS001D9.8	9,8	9,8	87	133	1
KYMCDS001D9.9	9,9	9,9	87	133	1
KYMCDS001D10	10	10	87	133	1
KYMCDS001D10.1	10,1	10,1	87	133	1
KYMCDS001D10.2	10,2	10,2	87	133	1
KYMCDS001D10.3	10,3	10,3	87	133	1
KYMCDS001D10.4	10,4	10,4	87	133	1
KYMCDS001D10.5	10,5	10,5	87	133	1
KYMCDS001D10.6	10,6	10,6	87	133	1
KYMCDS001D10.7	10,7	10,7	94	142	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D m7	Ø d h6	L2	L1	Pcs.
KYMCDS001D10.8	10,8	10,8	94	142	1
KYMCDS001D10.9	10,9	10,9	94	142	1
KYMCDS001D11	11	11	94	142	1
KYMCDS001D11.1	11,1	11,1	94	142	1
KYMCDS001D11.2	11,2	11,2	94	142	1
KYMCDS001D11.3	11,3	11,3	94	142	1
KYMCDS001D11.4	11,4	11,4	94	142	1
KYMCDS001D11.5	11,5	11,5	94	142	1
KYMCDS001D11.6	11,6	11,6	94	142	1
KYMCDS001D11.7	11,7	11,7	94	142	1
KYMCDS001D11.8	11,8	11,8	94	142	1
KYMCDS001D11.9	11,9	11,9	101	151	1
KYMCDS001D12	12	12	101	151	1
KYMCDS001D12.1	12,1	12,1	101	151	1
KYMCDS001D12.2	12,2	12,2	101	151	1
KYMCDS001D12.3	12,3	12,3	101	151	1
KYMCDS001D12.4	12,4	12,4	101	151	1
KYMCDS001D12.5	12,5	12,5	101	151	1
KYMCDS001D12.6	12,6	12,6	101	151	1
KYMCDS001D12.7	12,7	12,7	101	151	1
KYMCDS001D12.8	12,8	12,8	101	151	1
KYMCDS001D12.9	12,9	12,9	101	151	1
KYMCDS001D13	13	13	101	151	1
KYMCDS001D13.5	13,5	13,5	108	160	1
KYMCDS001D14	14	14	108	160	1
KYMCDS001D14.5	14,5	14,5	114	169	1
KYMCDS001D15	15	15	114	169	1
KYMCDS001D15.5	15,5	15,5	120	178	1
KYMCDS001D16	16	16	120	178	1
KYMCDS001D16.5	16,5	16,5	125	184	1
KYMCDS001D17	17	17	125	184	1
KYMCDS001D17.5	17,5	17,5	130	191	1
KYMCDS001D18	18	18	130	191	1
KYMCDS001D18.5	18,5	18,5	135	198	1
KYMCDS001D19	19	19	135	198	1
KYMCDS001D19.5	19,5	19,5	140	205	1
KYMCDS001D20	20	20	140	205	1

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

140°

30°
HELIX

TiAIN

P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS002D3	3	3	16	46	1
KYMCDS002D3.1	3,1	3,1	18	49	1
KYMCDS002D3.2	3,2	3,2	18	49	1
KYMCDS002D3.3	3,3	3,3	18	49	1
KYMCDS002D3.4	3,4	3,4	20	52	1
KYMCDS002D3.5	3,5	3,5	20	52	1
KYMCDS002D3.6	3,6	3,6	20	52	1
KYMCDS002D3.7	3,7	3,7	20	52	1
KYMCDS002D3.8	3,8	3,8	22	55	1
KYMCDS002D3.9	3,9	3,9	22	55	1
KYMCDS002D4	4	4	22	55	1
KYMCDS002D4.1	4,1	4,1	22	55	1
KYMCDS002D4.2	4,2	4,2	22	55	1
KYMCDS002D4.3	4,3	4,3	24	58	1
KYMCDS002D4.4	4,4	4,4	24	58	1
KYMCDS002D4.5	4,5	4,5	24	58	1
KYMCDS002D4.6	4,6	4,6	24	58	1
KYMCDS002D4.7	4,7	4,7	24	58	1
KYMCDS002D4.8	4,8	4,8	26	62	1
KYMCDS002D4.9	4,9	4,9	26	62	1
KYMCDS002D5	5	5	26	62	1
KYMCDS002D5.1	5,1	5,1	26	62	1
KYMCDS002D5.2	5,2	5,2	26	62	1
KYMCDS002D5.3	5,3	5,3	26	62	1
KYMCDS002D5.4	5,4	5,4	28	66	1
KYMCDS002D5.5	5,5	5,5	28	66	1
KYMCDS002D5.6	5,6	5,6	28	66	1
KYMCDS002D5.7	5,7	5,7	28	66	1
KYMCDS002D5.8	5,8	5,8	28	66	1
KYMCDS002D5.9	5,9	5,9	28	66	1
KYMCDS002D6	6	6	28	66	1
KYMCDS002D6.1	6,1	6,1	31	70	1
KYMCDS002D6.2	6,2	6,2	31	70	1
KYMCDS002D6.3	6,3	6,3	31	70	1
KYMCDS002D6.4	6,4	6,4	31	70	1
KYMCDS002D6.5	6,5	6,5	31	70	1
KYMCDS002D6.6	6,6	6,6	31	70	1
KYMCDS002D6.7	6,7	6,7	31	70	1
KYMCDS002D6.8	6,8	6,8	34	74	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS002D6.9	6,9	6,9	34	74	1
KYMCDS002D7	7	7	34	74	1
KYMCDS002D7.1	7,1	7,1	34	74	1
KYMCDS002D7.2	7,2	7,2	34	74	1
KYMCDS002D7.3	7,3	7,3	34	74	1
KYMCDS002D7.4	7,4	7,4	34	74	1
KYMCDS002D7.5	7,5	7,5	34	74	1
KYMCDS002D7.6	7,6	7,6	37	79	1
KYMCDS002D7.7	7,7	7,7	37	79	1
KYMCDS002D7.8	7,8	7,8	37	79	1
KYMCDS002D7.9	7,9	7,9	37	79	1
KYMCDS002D8	8	8	37	79	1
KYMCDS002D8.1	8,1	8,1	37	79	1
KYMCDS002D8.2	8,2	8,2	37	79	1
KYMCDS002D8.3	8,3	8,3	37	79	1
KYMCDS002D8.4	8,4	8,4	37	79	1
KYMCDS002D8.5	8,5	8,5	37	79	1
KYMCDS002D8.6	8,6	8,6	40	84	1
KYMCDS002D8.7	8,7	8,7	40	84	1
KYMCDS002D8.8	8,8	8,8	40	84	1
KYMCDS002D8.9	8,9	8,9	40	84	1
KYMCDS002D9	9	9	40	84	1
KYMCDS002D9.1	9,1	9,1	40	84	1
KYMCDS002D9.2	9,2	9,2	40	84	1
KYMCDS002D9.3	9,3	9,3	40	84	1
KYMCDS002D9.4	9,4	9,4	40	84	1
KYMCDS002D9.5	9,5	9,5	40	84	1
KYMCDS002D9.6	9,6	9,6	43	89	1
KYMCDS002D9.7	9,7	9,7	43	89	1
KYMCDS002D9.8	9,8	9,8	43	89	1
KYMCDS002D9.9	9,9	9,9	43	89	1
KYMCDS002D10	10	10	43	89	1
KYMCDS002D10.1	10,1	10,1	43	89	1
KYMCDS002D10.2	10,2	10,2	43	89	1
KYMCDS002D10.3	10,3	10,3	43	89	1
KYMCDS002D10.4	10,4	10,4	43	89	1
KYMCDS002D10.5	10,5	10,5	43	89	1
KYMCDS002D10.6	10,6	10,6	43	89	1
KYMCDS002D10.7	10,7	10,7	47	95	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS002D10.8	10,8	10,8	47	95	1
KYMCDS002D10.9	10,9	10,9	47	95	1
KYMCDS002D11	11	11	47	95	1
KYMCDS002D11.1	11,1	11,1	47	95	1
KYMCDS002D11.2	11,2	11,2	47	95	1
KYMCDS002D11.3	11,3	11,3	47	95	1
KYMCDS002D11.4	11,4	11,4	47	95	1
KYMCDS002D11.5	11,5	11,5	47	95	1
KYMCDS002D11.6	11,6	11,6	47	95	1
KYMCDS002D11.7	11,7	11,7	47	95	1
KYMCDS002D11.8	11,8	11,8	47	95	1
KYMCDS002D11.9	11,9	11,9	51	102	1
KYMCDS002D12	12	12	51	102	1
KYMCDS002D12.1	12,1	12,1	51	102	1
KYMCDS002D12.2	12,2	12,2	51	102	1
KYMCDS002D12.3	12,3	12,3	51	102	1
KYMCDS002D12.4	12,4	12,4	51	102	1
KYMCDS002D12.5	12,5	12,5	51	102	1
KYMCDS002D12.6	12,6	12,6	51	102	1
KYMCDS002D12.7	12,7	12,7	51	102	1
KYMCDS002D12.8	12,8	12,8	51	102	1
KYMCDS002D12.9	12,9	12,9	51	102	1
KYMCDS002D13	13	13	51	102	1
KYMCDS002D13.5	13,5	13,5	54	107	1
KYMCDS002D14	14	14	54	107	1
KYMCDS002D14.5	14,5	14,5	56	111	1
KYMCDS002D15	15	15	56	111	1
KYMCDS002D15.5	15,5	15,5	58	115	1
KYMCDS002D16	16	16	58	115	1
KYMCDS002D16.5	16,5	16,5	60	119	1
KYMCDS002D17	17	17	60	119	1
KYMCDS002D17.5	17,5	17,5	62	123	1
KYMCDS002D18	18	18	62	123	1
KYMCDS002D18.5	18,5	18,5	64	127	1
KYMCDS002D19	19	19	64	127	1
KYMCDS002D19.5	19,5	19,5	66	131	1
KYMCDS002D20	20	20	66	131	1



HARTMETALLBOHRER VERSTÄRKTER SCHAFT - TiAlN - 3xD - DIN 6537K
PUNTE IN METALLO DURO GAMBO RINFORZATO - TiAlN - 3xD - DIN 6537K
CARBIDE DRILL REINFORCED SHANK - TiAlN - 3xD - DIN 6537K

DIN
6537K

MD
CARBIDE

WHEEL
CUTTING

140°

30°
HELIX

TiAlN

P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS001D3	3	6	20	62	1
KYMCDS001D3.1	3,1	6	20	62	1
KYMCDS001D3.2	3,2	6	20	62	1
KYMCDS001D3.3	3,3	6	20	62	1
KYMCDS001D3.4	3,4	6	20	62	1
KYMCDS001D3.5	3,5	6	20	62	1
KYMCDS001D3.6	3,6	6	20	62	1
KYMCDS001D3.7	3,7	6	20	62	1
KYMCDS001D3.8	3,8	6	24	66	1
KYMCDS001D3.9	3,9	6	24	66	1
KYMCDS001D4	4	6	24	66	1
KYMCDS001D4.1	4,1	6	24	66	1
KYMCDS001D4.2	4,2	6	24	66	1
KYMCDS001D4.3	4,3	6	24	66	1
KYMCDS001D4.4	4,4	6	24	66	1
KYMCDS001D4.5	4,5	6	24	66	1
KYMCDS001D4.6	4,6	6	24	66	1
KYMCDS001D4.7	4,7	6	24	66	1
KYMCDS001D4.8	4,8	6	28	66	1
KYMCDS001D4.9	4,9	6	28	66	1
KYMCDS001D5	5	6	28	66	1
KYMCDS001D5.1	5,1	6	28	66	1
KYMCDS001D5.2	5,2	6	28	66	1
KYMCDS001D5.3	5,3	6	28	66	1
KYMCDS001D5.4	5,4	6	28	66	1
KYMCDS001D5.5	5,5	6	28	66	1
KYMCDS001D5.6	5,6	6	28	66	1
KYMCDS001D5.7	5,7	6	28	66	1
KYMCDS001D5.8	5,8	6	28	66	1
KYMCDS001D5.9	5,9	6	28	66	1
KYMCDS001D6	6	6	28	66	1
KYMCDS001D6.1	6,1	8	34	79	1
KYMCDS001D6.2	6,2	8	34	79	1
KYMCDS001D6.3	6,3	8	34	79	1
KYMCDS001D6.4	6,4	8	34	79	1
KYMCDS001D6.5	6,5	8	34	79	1
KYMCDS001D6.6	6,6	8	34	79	1
KYMCDS001D6.7	6,7	8	34	79	1
KYMCDS001D6.8	6,8	8	34	79	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS001D6.9	6,9	8	34	79	1
KYMCDS001D7	7	8	34	79	1
KYMCDS001D7.1	7,1	8	41	79	1
KYMCDS001D7.2	7,2	8	41	79	1
KYMCDS001D7.3	7,3	8	41	79	1
KYMCDS001D7.4	7,4	8	41	79	1
KYMCDS001D7.5	7,5	8	41	79	1
KYMCDS001D7.6	7,6	8	41	79	1
KYMCDS001D7.7	7,7	8	41	79	1
KYMCDS001D7.8	7,8	8	41	79	1
KYMCDS001D7.9	7,9	8	41	79	1
KYMCDS001D8	8	8	41	79	1
KYMCDS001D8.1	8,1	10	47	89	1
KYMCDS001D8.2	8,2	10	47	89	1
KYMCDS001D8.3	8,3	10	47	89	1
KYMCDS001D8.4	8,4	10	47	89	1
KYMCDS001D8.5	8,5	10	47	89	1
KYMCDS001D8.6	8,6	10	47	89	1
KYMCDS001D8.7	8,7	10	47	89	1
KYMCDS001D8.8	8,8	10	47	89	1
KYMCDS001D8.9	8,9	10	47	89	1
KYMCDS001D9	9	10	47	89	1
KYMCDS001D9.1	9,1	10	47	89	1
KYMCDS001D9.2	9,2	10	47	89	1
KYMCDS001D9.3	9,3	10	47	89	1
KYMCDS001D9.4	9,4	10	47	89	1
KYMCDS001D9.5	9,5	10	47	89	1
KYMCDS001D9.6	9,6	10	47	89	1
KYMCDS001D9.7	9,7	10	47	89	1
KYMCDS001D9.8	9,8	10	47	89	1
KYMCDS001D9.9	9,9	10	47	89	1
KYMCDS001D10	10	10	47	89	1
KYMCDS001D10.1	10,1	12	55	102	1
KYMCDS001D10.2	10,2	12	55	102	1
KYMCDS001D10.3	10,3	12	55	102	1
KYMCDS001D10.4	10,4	12	55	102	1
KYMCDS001D10.5	10,5	12	55	102	1
KYMCDS001D10.6	10,6	12	55	102	1
KYMCDS001D10.7	10,7	12	55	102	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDS001D10.8	10,8	12	55	102	1
KYMCDS001D10.9	10,9	12	55	102	1
KYMCDS001D11	11	12	55	102	1
KYMCDS001D11.1	11,1	12	55	102	1
KYMCDS001D11.2	11,2	12	55	102	1
KYMCDS001D11.3	11,3	12	55	102	1
KYMCDS001D11.4	11,4	12	55	102	1
KYMCDS001D11.5	11,5	12	55	102	1
KYMCDS001D11.6	11,6	12	55	102	1
KYMCDS001D11.7	11,7	12	55	102	1
KYMCDS001D11.8	11,8	12	55	102	1
KYMCDS001D11.9	11,9	12	55	102	1
KYMCDS001D12	12	12	55	102	1
KYMCDS001D12.1	12,1	14	60	107	1
KYMCDS001D12.2	12,2	14	60	107	1
KYMCDS001D12.3	12,3	14	60	107	1
KYMCDS001D12.4	12,4	14	60	107	1
KYMCDS001D12.5	12,5	14	60	107	1
KYMCDS001D12.6	12,6	14	60	107	1
KYMCDS001D12.7	12,7	14	60	107	1
KYMCDS001D12.8	12,8	14	60	107	1
KYMCDS001D12.9	12,9	14	60	107	1
KYMCDS001D13	13	14	60	107	1
KYMCDS001D13.5	13,5	14	60	107	1
KYMCDS001D14	14	14	60	107	1
KYMCDS001D14.5	14,5	16	65	115	1
KYMCDS001D15	15	16	65	115	1
KYMCDS001D15.5	15,5	16	65	115	1
KYMCDS001D16	16	16	65	115	1
KYMCDS001D16.5	16,5	18	73	123	1
KYMCDS001D17	17	18	73	123	1
KYMCDS001D17.5	17,5	18	73	123	1
KYMCDS001D18	18	18	73	123	1
KYMCDS001D18.5	18,5	20	19	131	1
KYMCDS001D19	19	20	19	131	1
KYMCDS001D19.5	19,5	20	19	131	1
KYMCDS001D20	20	20	19	131	1

DIN 6537L

MD CARBIDE

WHEEL CUTTING

140°

30° HELIX

TiAlN

P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDRS002D3	3	6	28	62	1
KYMCDRS002D3.1	3,1	6	28	62	1
KYMCDRS002D3.2	3,2	6	28	62	1
KYMCDRS002D3.3	3,3	6	28	62	1
KYMCDRS002D3.4	3,4	6	28	62	1
KYMCDRS002D3.5	3,5	6	28	62	1
KYMCDRS002D3.6	3,6	6	28	62	1
KYMCDRS002D3.7	3,7	6	28	62	1
KYMCDRS002D3.8	3,8	6	36	74	1
KYMCDRS002D3.9	3,9	6	36	74	1
KYMCDRS002D4	4	6	36	74	1
KYMCDRS002D4.1	4,1	6	36	74	1
KYMCDRS002D4.2	4,2	6	36	74	1
KYMCDRS002D4.3	4,3	6	36	74	1
KYMCDRS002D4.4	4,4	6	36	74	1
KYMCDRS002D4.5	4,5	6	36	74	1
KYMCDRS002D4.6	4,6	6	36	74	1
KYMCDRS002D4.7	4,7	6	36	74	1
KYMCDRS002D4.8	4,8	6	44	82	1
KYMCDRS002D4.9	4,9	6	44	82	1
KYMCDRS002D5	5	6	44	82	1
KYMCDRS002D5.1	5,1	6	44	82	1
KYMCDRS002D5.2	5,2	6	44	82	1
KYMCDRS002D5.3	5,3	6	44	82	1
KYMCDRS002D5.4	5,4	6	44	82	1
KYMCDRS002D5.5	5,5	6	44	82	1
KYMCDRS002D5.6	5,6	6	44	82	1
KYMCDRS002D5.7	5,7	6	44	82	1
KYMCDRS002D5.8	5,8	6	44	82	1
KYMCDRS002D5.9	5,9	6	44	82	1
KYMCDRS002D6	6	6	44	82	1
KYMCDRS002D6.1	6,1	8	53	91	1
KYMCDRS002D6.2	6,2	8	53	91	1
KYMCDRS002D6.3	6,3	8	53	91	1
KYMCDRS002D6.4	6,4	8	53	91	1
KYMCDRS002D6.5	6,5	8	53	91	1
KYMCDRS002D6.6	6,6	8	53	91	1
KYMCDRS002D6.7	6,7	8	53	91	1
KYMCDRS002D6.8	6,8	8	53	91	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDRS002D6.9	6,9	8	53	91	1
KYMCDRS002D7	7	8	53	91	1
KYMCDRS002D7.1	7,1	8	53	91	1
KYMCDRS002D7.2	7,2	8	53	91	1
KYMCDRS002D7.3	7,3	8	53	91	1
KYMCDRS002D7.4	7,4	8	53	91	1
KYMCDRS002D7.5	7,5	8	53	91	1
KYMCDRS002D7.6	7,6	8	53	91	1
KYMCDRS002D7.7	7,7	8	53	91	1
KYMCDRS002D7.8	7,8	8	53	91	1
KYMCDRS002D7.9	7,9	8	53	91	1
KYMCDRS002D8	8	8	53	91	1
KYMCDRS002D8.1	8,1	10	61	103	1
KYMCDRS002D8.2	8,2	10	61	103	1
KYMCDRS002D8.3	8,3	10	61	103	1
KYMCDRS002D8.4	8,4	10	61	103	1
KYMCDRS002D8.5	8,5	10	61	103	1
KYMCDRS002D8.6	8,6	10	61	103	1
KYMCDRS002D8.7	8,7	10	61	103	1
KYMCDRS002D8.8	8,8	10	61	103	1
KYMCDRS002D8.9	8,9	10	61	103	1
KYMCDRS002D9	9	10	61	103	1
KYMCDRS002D9.1	9,1	10	61	103	1
KYMCDRS002D9.2	9,2	10	61	103	1
KYMCDRS002D9.3	9,3	10	61	103	1
KYMCDRS002D9.4	9,4	10	61	103	1
KYMCDRS002D9.5	9,5	10	61	103	1
KYMCDRS002D9.6	9,6	10	61	103	1
KYMCDRS002D9.7	9,7	10	61	103	1
KYMCDRS002D9.8	9,8	10	61	103	1
KYMCDRS002D9.9	9,9	10	61	103	1
KYMCDRS002D10	10	10	61	103	1
KYMCDRS002D10.1	10,1	12	71	118	1
KYMCDRS002D10.2	10,2	12	71	118	1
KYMCDRS002D10.3	10,3	12	71	118	1
KYMCDRS002D10.4	10,4	12	71	118	1
KYMCDRS002D10.5	10,5	12	71	118	1
KYMCDRS002D10.6	10,6	12	71	118	1
KYMCDRS002D10.7	10,7	12	71	118	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h8				
KYMCDRS002D10.8	10,8	12	71	118	1
KYMCDRS002D10.9	10,9	12	71	118	1
KYMCDRS002D11	11	12	71	118	1
KYMCDRS002D11.1	11,1	12	71	118	1
KYMCDRS002D11.2	11,2	12	71	118	1
KYMCDRS002D11.3	11,3	12	71	118	1
KYMCDRS002D11.4	11,4	12	71	118	1
KYMCDRS002D11.5	11,5	12	71	118	1
KYMCDRS002D11.6	11,6	12	71	118	1
KYMCDRS002D11.7	11,7	12	71	118	1
KYMCDRS002D11.8	11,8	12	71	118	1
KYMCDRS002D11.9	11,9	12	71	118	1
KYMCDRS002D12	12	12	71	118	1
KYMCDRS002D12.1	12,1	14	77	124	1
KYMCDRS002D12.2	12,2	14	77	124	1
KYMCDRS002D12.3	12,3	14	77	124	1
KYMCDRS002D12.4	12,4	14	77	124	1
KYMCDRS002D12.5	12,5	14	77	124	1
KYMCDRS002D12.6	12,6	14	77	124	1
KYMCDRS002D12.7	12,7	14	77	124	1
KYMCDRS002D12.8	12,8	14	77	124	1
KYMCDRS002D12.9	12,9	14	77	124	1
KYMCDRS002D13	13	14	77	124	1
KYMCDRS002D13.5	13,5	14	77	124	1
KYMCDRS002D14	14	14	77	124	1
KYMCDRS002D14.5	14,5	16	83	133	1
KYMCDRS002D15	15	16	83	133	1
KYMCDRS002D15.5	15,5	16	83	133	1
KYMCDRS002D16	16	16	83	133	1
KYMCDRS002D16.5	16,5	18	93	143	1
KYMCDRS002D17	17	18	93	143	1
KYMCDRS002D17.5	17,5	18	93	143	1
KYMCDRS002D18	18	18	93	143	1
KYMCDRS002D18.5	18,5	20	101	153	1
KYMCDRS002D19	19	20	101	153	1
KYMCDRS002D19.5	19,5	20	101	153	1
KYMCDRS002D20	20	20	101	153	1



LANGLOCHFRÄSER, HSSE-M42, TiAIN, Z=2, DIN 327
FRESE DI FINITURA, HSSE-M42, TiAIN, Z=2, DIN 327
FINISHING MILLING CUTTER, HSSE-M42, TiAIN, Z=2, DIN 327

DIN
327

HSSE
8% Co

WHEEL
CUTTING

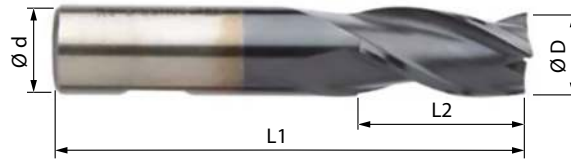
N
TYP



TiAIN

M3

K5



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY11AD0100	1	6	3	46	1
KY11AD0150	1,5	6	4	48	1
KY11AD0200	2	6	4	48	1
KY11AD0250	2,5	6	5	49	1
KY11AD0300	3	6	5	49	1
KY11AD0350	3,5	6	7	51	1
KY11AD0400	4	6	7	51	1
KY11AD0450	4,5	6	8	52	1
KY11AD0500	5	6	8	52	1
KY11AD0550	5,5	6	8	52	1
KY11AD0600	6	6	8	52	1
KY11AD0650	6,5	10	10	60	1
KY11AD0700	7	10	10	60	1
KY11AD0750	7,5	10	11	61	1
KY11AD0800	8	10	11	61	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY11AD0850	8,5	10	13	63	1
KY11AD0900	9	10	13	63	1
KY11AD0950	9,5	10	13	63	1
KY11AD1000	10	10	13	63	1
KY11AD1100	11	12	16	73	1
KY11AD1200	12	12	16	73	1
KY11AD1300	13	12	16	73	1
KY11AD1400	14	12	16	73	1
KY11AD1500	15	12	16	73	1
KY11AD1600	16	16	19	79	1
KY11AD1700	17	16	19	79	1
KY11AD1800	18	16	19	79	1
KY11AD1900	19	16	19	79	1
KY11AD2000	20	20	22	88	1
KY11AD2100	21	20	22	88	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h9			
KY11AD2200	22	20	22	88	1
KY11AD2300	23	20	22	88	1
KY11AD2400	24	25	26	102	1
KY11AD2500	25	25	26	102	1
KY11AD2600	26	25	26	102	1
KY11AD2800	28	25	26	102	1
KY11AD3000	30	25	26	102	1
KY11AD3200	32	32	32	112	1
KY11AD3400	34	32	32	112	1
KY11AD3600	36	32	32	112	1
KY11AD4000	40	40	38	130	1
KY11AD4500	45	40	38	130	1
KY11AD5000	50	50	45	147	1



LANGLOCHFRÄSER, HSSE-M42, TiAIN, Z=3, DIN 844
FRESA DI FINITURA, HSSE-M42, TiAIN, Z=3, DIN 844
FINISHING MILLING CUTTER, HSSE-M42, TiAIN, Z=3, DIN 844

DIN
844

HSSE
8% Co

WHEEL
CUTTING

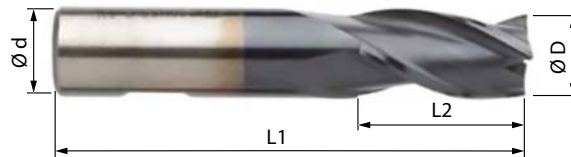
N
TYP



TiAIN

M3

K5



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY12AD0100	1	6	5	49	1
KY12AD0200	2	6	7	51	1
KY12AD0300	3	6	8	52	1
KY12AD0400	4	6	11	55	1
KY12AD0500	5	6	13	57	1
KY12AD0600	6	6	13	57	1
KY12AD0700	7	10	16	66	1
KY12AD0800	8	10	19	69	1
KY12AD0900	9	10	19	69	1
KY12AD1000	10	10	22	72	1
KY12AD1100	11	12	22	79	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY12AD1200	12	12	26	83	1
KY12AD1300	13	12	26	83	1
KY12AD1400	14	12	26	83	1
KY12AD1500	15	12	26	83	1
KY12AD1600	16	16	32	92	1
KY12AD1700	17	16	32	92	1
KY12AD1800	18	16	32	92	1
KY12AD1900	19	16	32	92	1
KY12AD2000	20	20	38	104	1
KY12AD2200	22	20	38	104	1
KY12AD2300	23	20	38	104	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY12AD2400	24	25	45	121	1
KY12AD2500	25	25	45	121	1
KY12AD2600	26	25	45	121	1
KY12AD2800	28	25	45	121	1
KY12AD3000	30	25	45	121	1
KY12AD3200	32	32	53	133	1
KY12AD3400	34	32	53	133	1
KY12AD3600	36	32	53	133	1
KY12AD4000	40	40	63	155	1
KY12AD4500	45	40	63	155	1
KY12AD5000	50	50	75	177	1



LOCHFRÄSER, HSSE-M42, TiAIN, Z=4, DIN 844
FRESE DI FINITURA, HSSE-M42, TiAIN, Z=4, DIN 844
FINISHING MILLING CUTTER, HSSE-M42, TiAIN, Z=4, DIN 844

DIN 327

HSSE 8% Co

WHEEL CUTTING

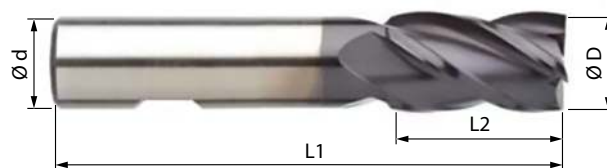
N TYP



TiAIN

M3

K5



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY13AD0100	1	6	5	49	1
KY13AD0150	1,5	6	7	51	1
KY13AD0200	2	6	7	51	1
KY13AD0250	2,5	6	8	52	1
KY13AD0300	3	6	8	52	1
KY13AD0350	3,5	6	10	54	1
KY13AD0400	4	6	11	55	1
KY13AD0450	4,5	6	11	55	1
KY13AD0500	5	6	13	57	1
KY13AD0550	5,5	6	13	57	1
KY13AD0600	6	6	13	57	1
KY13AD0650	6,5	10	16	66	1
KY13AD0700	7	10	16	66	1
KY13AD0750	7,5	10	19	69	1
KY13AD0800	8	10	19	69	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY13AD0850	8,5	10	19	69	1
KY13AD0900	9	10	19	69	1
KY13AD0950	9,5	10	22	72	1
KY13AD1000	10	10	22	72	1
KY13AD1100	11	12	22	79	1
KY13AD1200	12	12	26	83	1
KY13AD1300	13	12	26	83	1
KY13AD1400	14	12	26	83	1
KY13AD1500	15	12	26	83	1
KY13AD1600	16	16	32	92	1
KY13AD1700	17	16	32	92	1
KY13AD1800	18	16	32	92	1
KY13AD1900	19	16	32	92	1
KY13AD2000	20	20	38	104	1
KY13AD2100	21	20	38	104	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h9			
KY13AD2200	22	20	38	104	1
KY13AD2300	23	20	38	104	1
KY13AD2400	24	25	45	121	1
KY13AD2500	25	25	45	121	1
KY13AD2600	26	25	45	121	1
KY13AD2800	28	25	45	121	1
KY13AD3000	30	25	45	121	1
KY13AD3200	32	32	53	133	1
KY13AD3400	34	32	53	133	1
KY13AD3600	36	32	53	133	1
KY13AD4000	40	40	63	155	1
KY13AD4200	42	40	63	155	1
KY13AD4500	45	40	63	155	1
KY13AD5000	50	50	75	177	1



SCHRUPPFRÄSER, HSSE-M42, TiAIN, Z=4, DIN 844
FRESA DI SGROSSATURA, HSSE-M42, TiAIN, Z=4, DIN 844
ROUGHING MILLING CUTTER, HSSE-M42, TiAIN, Z=4, DIN 844

DIN 844

HSSE 8% Co

WHEEL CUTTING

N TYP



TiAIN

M3

K5

N7



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY15AD0600	6	6	13	57	1
KY15AD0700	7	10	16	66	1
KY15AD0800	8	10	19	69	1
KY15AD0900	9	10	19	69	1
KY15AD1000	10	10	22	72	1
KY15AD1100	11	12	22	79	1
KY15AD1200	12	12	26	83	1
KY15AD1300	13	12	26	83	1
KY15AD1400	14	12	26	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY15AD1500	15	12	26	83	1
KY15AD1600	16	16	32	92	1
KY15AD1700	17	16	32	92	1
KY15AD1800	18	16	32	92	1
KY15AD2000	20	20	38	104	1
KY15AD2200	22	20	38	104	1
KY15AD2400	24	25	45	121	1
KY15AD2500	25	25	45	121	1
KY15AD2600	26	25	45	121	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	h10	h6			
KY15AD2800	28	25	45	121	1
KY15AD3000	30	25	45	121	1
KY15AD3200	32	32	53	133	1
KY15AD3600	36	32	53	133	1
KY15AD4000	40	40	63	155	1
KY15AD4500	45	40	63	155	1
KY15AD5000	50	50	75	177	1



LANGLOCHFRÄSER, HSSE-M42, TiAIN, Z=2, DIN 327
FRESE DI FINITURA LUNGA, HSSE-M42, TiAIN, Z=2, DIN 327
FINISHING LONG MILLING CUTTER, HSSE-M42, TiAIN, Z=2, DIN 327

DIN
844

HSSE
8% Co

WHEEL
CUTTING

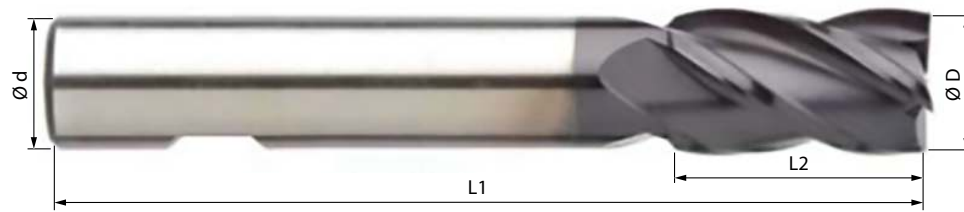
N
TYP



TiAIN

M3

K5



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY16AD0100	1	6	8	52	1
KY16AD0200	2	6	10	54	1
KY16AD0300	3	6	12	56	1
KY16AD0400	4	6	19	63	1
KY16AD0500	5	6	24	68	1
KY16AD0600	6	6	24	68	1
KY16AD0700	7	10	30	80	1
KY16AD0800	8	10	38	88	1
KY16AD0900	9	10	38	88	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h6			
KY16AD1000	10	10	45	95	1
KY16AD1200	12	12	53	110	1
KY16AD1400	14	12	53	110	1
KY16AD1600	16	16	63	123	1
KY16AD1800	18	16	63	123	1
KY16AD2000	20	20	75	141	1
KY16AD2200	22	20	75	141	1
KY16AD2400	24	25	90	166	1
KY16AD2500	25	25	90	166	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d	L2	L1	Pcs.
	e8	h9			
KY16AD2600	26	25	90	166	1
KY16AD2800	28	25	90	166	1
KY16AD3000	30	25	90	166	1
KY16AD3200	32	32	106	186	1
KY16AD3400	34	32	106	32	1
KY16AD3600	36	32	106	32	1
KY16AD4000	40	40	125	40	1
KY16AD4500	45	40	125	40	1
KY16AD5000	50	50	150	50	1



HARTMETALLFRÄSER, TiAIN, Z=2, DIN 6527K
FRESE IN METALLO DURO, TiAIN, Z=2, DIN 6527K
CARBIDE MILLING CUTTER, TiAIN, Z=2, DIN 6527K

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

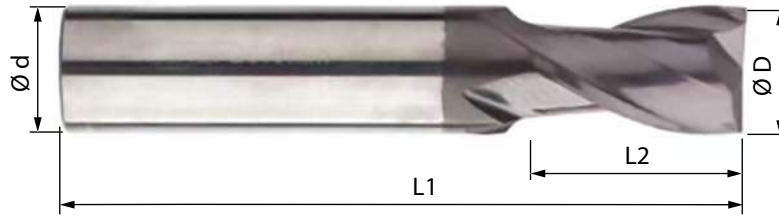
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM2S001D3	3	3	4	50	1
KYMCM2S001D4	4	4	5	54	1
KYMCM2S001D5	5	5	6	54	1
KYMCM2S001D6	6	6	7	54	1
KYMCM2S001D7	7	7	8	58	1
KYMCM2S001D8	8	8	9	58	1
KYMCM2S001D9	9	9	10	66	1
KYMCM2S001D10	10	10	11	66	1
KYMCM2S001D12	12	12	12	73	1
KYMCM2S001D14	14	14	14	75	1
KYMCM2S001D16	16	16	16	82	1
KYMCM2S001D18	18	18	18	84	1
KYMCM2S001D20	20	20	20	92	1



HARTMETALLFRÄSER, TiAIN, Z=2, DIN 6528
FRESE IN METALLO DURO, TiAIN, Z=2, DIN 6528
CARBIDE MILLING CUTTER, TiAIN, Z=2, DIN 6528

DIN
6528

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

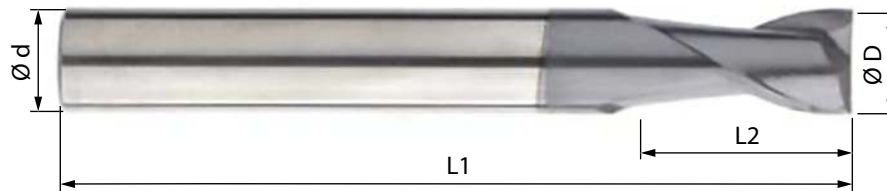
P1

M3

K5

S2

S4



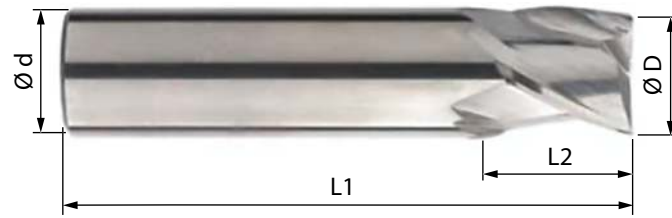
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2S003D3	3	3	7	50	1
KYMCM2S003D3.5	3,5	3,5	7	50	1
KYMCM2S003D4	4	4	8	50	1
KYMCM2S003D4.5	4,5	4,5	8	50	1
KYMCM2S003D5	5	5	10	50	1
KYMCM2S003D5.5	5,5	5,5	10	57	1
KYMCM2S003D6	6	6	10	57	1
KYMCM2S003D6.5	6,5	6,5	13	60	1
KYMCM2S003D7	7	7	13	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2S003D7.5	7,5	7,5	16	63	1
KYMCM2S003D8	8	8	16	63	1
KYMCM2S003D8.5	8,5	8,5	16	67	1
KYMCM2S003D9	9	9	16	67	1
KYMCM2S003D9.5	9,5	9,5	19	72	1
KYMCM2S003D10	10	10	19	72	1
KYMCM2S003D10.5	10,5	10,5	19	72	1
KYMCM2S003D11	11	11	22	83	1
KYMCM2S003D12	12	12	22	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM2S003D13	13	13	22	83	1
KYMCM2S003D14	14	14	22	83	1
KYMCM2S003D15	15	15	22	92	1
KYMCM2S003D16	16	16	26	92	1
KYMCM2S003D17	17	17	26	92	1
KYMCM2S003D18	18	18	26	92	1
KYMCM2S003D19	19	19	26	92	1
KYMCM2S003D20	20	20	32	104	1



HARTMETALLFRÄSER, TiAlN, Z=3, DIN 6527K
FRESE IN METALLO DURO, TiAlN, Z=3, DIN 6527K
CARBIDE MILLING CUTTER, TiAlN, Z=3, DIN 6527K



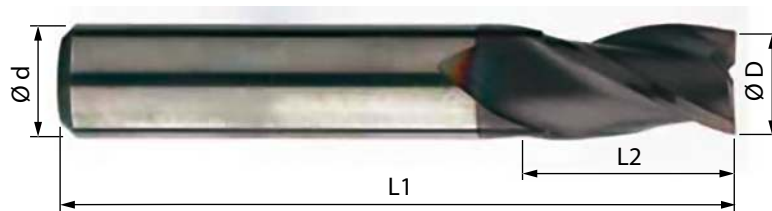
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3S001D3	3	6	4	50	1
KYMCM3S001D4	4	6	5	54	1
KYMCM3S001D5	5	6	6	54	1
KYMCM3S001D6	6	6	7	54	1
KYMCM3S001D7	7	6	8	58	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3S001D8	8	8	9	58	1
KYMCM3S001D9	9	10	10	66	1
KYMCM3S001D10	10	10	11	66	1
KYMCM3S001D12	12	12	12	73	1
KYMCM3S001D14	14	14	14	75	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM3S001D16	16	16	16	82	1
KYMCM3S001D18	18	18	18	84	1
KYMCM3S001D20	20	20	20	92	1



HARTMETALLFRÄSER, VERSTÄRKTER SCHAFT, TiAlN, Z=3, DIN 6528
FRESE IN METALLO DURO, GAMBO RINFORZATO, TiAlN, Z=3, DIN 6528
CARBIDE MILLING CUTTER, REINFORCED SHANK, TiAlN, Z=3, DIN 6528



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3S003D3	3	3	7	50	3
KYMCM3S003D3.5	3,5	3,5	7	50	3,5
KYMCM3S003D4	4	4	8	50	4
KYMCM3S003D4.5	4,5	4,5	8	50	4,5
KYMCM3S003D5	5	5	10	50	5
KYMCM3S003D5.5	5,5	5,5	10	57	5,5
KYMCM3S003D6	6	6	10	57	6
KYMCM3S003D6.5	6,5	6,5	13	60	6,5
KYMCM3S003D7	7	7	13	60	7

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3S003D7.5	7,5	7,5	16	63	7,5
KYMCM3S003D8	8	8	16	63	8
KYMCM3S003D8.5	8,5	8,5	16	67	8,5
KYMCM3S003D9	9	9	16	67	9
KYMCM3S003D9.5	9,5	9,5	19	72	9,5
KYMCM3S003D10	10	10	19	72	10
KYMCM3S003D10.5	10,5	10,5	19	72	10,5
KYMCM3S003D11	11	11	22	83	11
KYMCM3S003D12	12	12	22	83	12

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM3S003D13	13	13	22	83	13
KYMCM3S003D14	14	14	22	83	14
KYMCM3S003D15	15	15	22	92	15
KYMCM3S003D16	16	16	26	92	16
KYMCM3S003D17	17	17	26	92	17
KYMCM3S003D18	18	18	26	92	18
KYMCM3S003D19	19	19	26	92	19
KYMCM3S003D20	20	20	32	104	20



HARTMETALLFRÄSER, TiAIN, Z=4, DIN 6527K
FRESE IN METALLO DURO, TiAIN, Z=4, DIN 6527K
CARBIDE MILLING CUTTER, TiAIN, Z=4, DIN 6527K

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

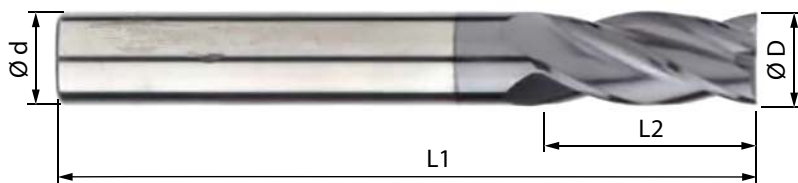
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S001D3	3	6	6	50	1
KYMCM4S001D4	4	6	8	54	1
KYMCM4S001D5	5	6	9	54	1
KYMCM4S001D6	6	6	10	54	1
KYMCM4S001D7	7	8	11	58	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S001D8	8	8	12	58	1
KYMCM4S001D9	9	10	13	66	1
KYMCM4S001D10	10	10	14	66	1
KYMCM4S001D12	12	12	16	73	1
KYMCM4S001D14	14	14	18	75	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM4S001D16	16	16	22	82	1
KYMCM4S001D18	18	18	24	84	1
KYMCM4S001D20	20	20	26	92	1



HARTMETALLFRÄSER, TiAIN, Z=4, DIN 6527L
FRESE IN METALLO DURO, TiAIN, Z=4, DIN 6527L
CARBIDE MILLING CUTTER, TiAIN, Z=4, DIN 6527L

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

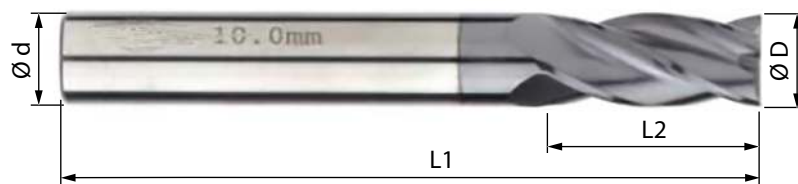
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S002D3	3	6	8	57	1
KYMCM4S002D4	4	6	11	57	1
KYMCM4S002D5	5	6	13	57	1
KYMCM4S002D6	6	6	13	57	1
KYMCM4S002D7	7	8	16	63	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S002D8	8	8	19	63	1
KYMCM4S002D9	9	10	19	72	1
KYMCM4S002D10	10	10	22	72	1
KYMCM4S002D12	12	12	26	83	1
KYMCM4S002D14	14	14	26	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM4S002D16	16	16	32	92	1
KYMCM4S002D18	18	18	32	92	1
KYMCM4S002D20	20	20	38	104	1



HARTMETALLFRÄSER, TiAIN, Z=4, DIN 6528
FRESE IN METALLO DURO, TiAIN, Z=4, DIN 6528
CARBIDE MILLING CUTTER, TiAIN, Z=4, DIN 6528

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

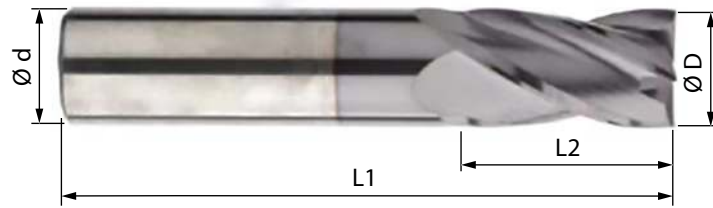
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S003D3	3	3	10	50	1
KYMCM4S003D3.5	3,5	3,5	10	50	1
KYMCM4S003D4	4	4	11	50	1
KYMCM4S003D4.5	4,5	4,5	11	50	1
KYMCM4S003D5	5	5	13	50	1
KYMCM4S003D5.5	5,5	5,5	13	57	1
KYMCM4S003D6	6	6	13	57	1
KYMCM4S003D6.5	6,5	6,5	16	60	1
KYMCM4S003D7	7	7	16	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S003D7.5	7,5	7,5	19	63	1
KYMCM4S003D8	8	8	19	63	1
KYMCM4S003D8.5	8,5	8,5	19	67	1
KYMCM4S003D9	9	9	19	67	1
KYMCM4S003D9.5	9,5	9,5	22	72	1
KYMCM4S003D10	10	10	22	72	1
KYMCM4S003D10.5	10,5	10,5	22	72	1
KYMCM4S003D11	11	11	25	83	1
KYMCM4S003D12	12	12	25	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM4S003D13	13	13	25	83	1
KYMCM4S003D14	14	14	26	83	1
KYMCM4S003D15	15	15	32	92	1
KYMCM4S003D16	16	16	32	92	1
KYMCM4S003D17	17	17	32	92	1
KYMCM4S003D18	18	18	32	92	1
KYMCM4S003D19	19	19	32	92	1
KYMCM4S003D20	20	20	38	104	1



HARTMETALLFRÄSER, TiAIN, Z=4, DIN 6528, 45°
FRESE IN METALLO DURO, TiAIN, Z=4, DIN 6528, 45°
CARBIDE MILLING CUTTER, TiAIN, Z=4, DIN 6528, 45°

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

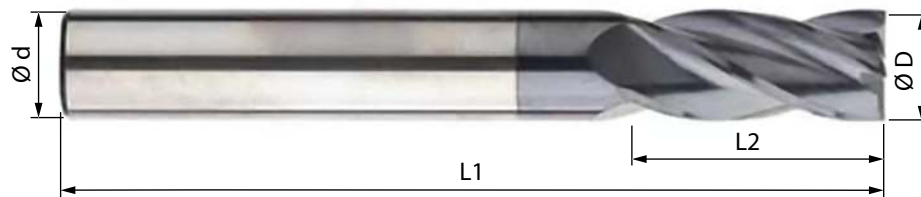
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S005D3	3	3	10	50	1
KYMCM4S005D4	4	4	11	50	1
KYMCM4S005D5	5	5	13	50	1
KYMCM4S005D6	6	6	13	57	1
KYMCM4S005D7	7	7	16	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4S005D8	8	8	19	63	1
KYMCM4S005D9	9	9	19	67	1
KYMCM4S005D10	10	10	22	72	1
KYMCM4S005D12	12	12	25	83	1
KYMCM4S005D14	14	14	26	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM4S005D16	16	16	32	92	1
KYMCM4S005D18	18	18	32	92	1
KYMCM4S005D20	20	20	38	104	1



HARTMETALLFRÄSER, TiAIN, Z=6, DIN 6528
FRESE IN METALLO DURO, TiAIN, Z=6, DIN 6528
CARBIDE MILLING CUTTER, TiAIN, Z=6, DIN 6528

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

90°

30°
HELIX

TiAIN

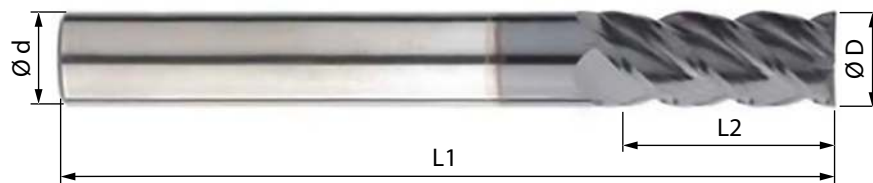
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM6S001D6	6	6	13	57	1
KYMCM6S001D8	8	8	19	63	1
KYMCM6S001D10	10	10	22	72	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM6S001D12	12	12	25	83	1
KYMCM6S001D16	16	16	32	92	1
KYMCM6S001D18	18	18	32	92	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM6S001D20	20	20	38	104	1



HARTMETALLKUGELFRÄSER, TiAIN, Z=2, DIN 6527L
FRESE SFERICHE IN METALLO DURO, TiAIN, Z=2, DIN 6527L
CARBIDE BALL NOSE MILLING CUTTER, TiAIN, Z=2, DIN 6527L

DIN
6527K

MD
CARBIDE

WHEEL
CUTTING

180°

30°
HELIX

TiAIN

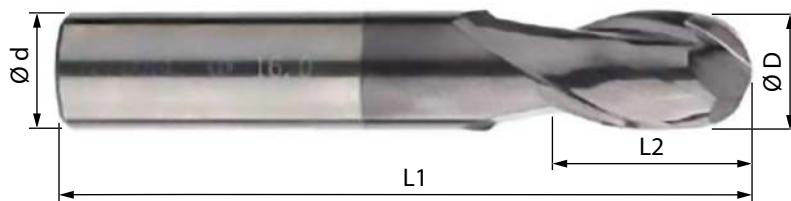
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2B002D3	3	6	7	57	1
KYMCM2B002D4	4	6	8	57	1
KYMCM2B002D5	5	6	10	57	1
KYMCM2B002D6	6	6	10	57	1
KYMCM2B002D7	7	8	13	63	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2B002D8	8	8	16	63	1
KYMCM2B002D9	9	10	16	72	1
KYMCM2B002D10	10	10	19	72	1
KYMCM2B002D12	12	12	22	83	1
KYMCM2B002D14	14	14	22	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM2B002D15	15	16	22	83	1
KYMCM2B002D16	16	16	26	92	1
KYMCM2B002D18	18	18	26	92	1
KYMCM2B002D20	20	20	32	104	1



HARTMETALLKUGELFRÄSER, TiAlN, Z=2, DIN 6528
FRESE SFERICA IN METALLO DURO, TiAlN, Z=2, DIN 6528
CARBIDE BALL NOSE MILLING CUTTER, TiAlN, Z=2, DIN 6528



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2B003D3	3	3	7	50	1
KYMCM2B003D3.5	3,5	3,5	7	50	1
KYMCM2B003D4	4	4	8	50	1
KYMCM2B003D4.5	4,5	4,5	8	50	1
KYMCM2B003D5	5	5	10	50	1
KYMCM2B003D5.5	5,5	5,5	10	57	1
KYMCM2B003D6	6	6	10	57	1
KYMCM2B003D6.5	6,5	6,5	13	60	1
KYMCM2B003D7	7	7	13	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM2B003D7.5	7,5	7,5	16	63	1
KYMCM2B003D8	8	8	16	63	1
KYMCM2B003D8.5	8,5	8,5	16	67	1
KYMCM2B003D9	9	9	16	67	1
KYMCM2B003D9.5	9,5	9,5	19	72	1
KYMCM2B003D10	10	10	19	72	1
KYMCM2B003D10.5	10,5	10,5	22	83	1
KYMCM2B003D11	11	11	22	83	1
KYMCM2B003D12	12	12	22	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM2B003D13	13	13	22	83	1
KYMCM2B003D14	14	14	22	83	1
KYMCM2B003D15	15	15	22	92	1
KYMCM2B003D16	16	16	26	92	1
KYMCM2B003D17	17	17	26	92	1
KYMCM2B003D18	18	18	26	92	1
KYMCM2B003D19	19	19	26	92	1
KYMCM2B003D20	20	20	32	104	1



HARTMETALLKUGELFRÄSER, TiAlN, Z=3, DIN 6528
FRESE SFERICA IN METALLO DURO, TiAlN, Z=3, DIN 6528
CARBIDE BALL NOSE MILLING CUTTER, TiAlN, Z=3, DIN 6528



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3B003D3	3	3	7	50	1
KYMCM3B003D3.5	3,5	3,5	7	50	1
KYMCM3B003D4	4	4	8	50	1
KYMCM3B003D4.5	4,5	4,5	8	50	1
KYMCM3B003D5	5	5	10	50	1
KYMCM3B003D5.5	5,5	5,5	10	57	1
KYMCM3B003D6	6	6	10	57	1
KYMCM3B003D6.5	6,5	6,5	13	60	1
KYMCM3B003D7	7	7	13	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM3B003D7.5	7,5	7,5	16	63	1
KYMCM3B003D8	8	8	16	63	1
KYMCM3B003D8.5	8,5	8,5	16	67	1
KYMCM3B003D9	9	9	16	67	1
KYMCM3B003D9.5	9,5	9,5	19	72	1
KYMCM3B003D10	10	10	19	72	1
KYMCM3B003D10.5	10,5	10,5	22	83	1
KYMCM3B003D11	11	11	22	83	1
KYMCM3B003D12	12	12	22	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM3B003D13	13	13	22	83	1
KYMCM3B003D14	14	14	22	83	1
KYMCM3B003D15	15	15	22	92	1
KYMCM3B003D16	16	16	26	92	1
KYMCM3B003D17	17	17	26	92	1
KYMCM3B003D18	18	18	26	92	1
KYMCM3B003D19	19	19	26	92	1
KYMCM3B003D20	20	20	32	104	1



HARTMETALLKUGELFRÄSER, TiAlN, Z=4, DIN 6528
FRESA SFERICA IN METALLO DURO, TiAlN, Z=4, DIN 6528
CARBIDE BALL NOSE MILLING CUTTER, TiAlN, Z=4, DIN 6528

DIN 6527K

MD CARBIDE

WHEEL CUTTING

180°

30° HELIX

TiAlN

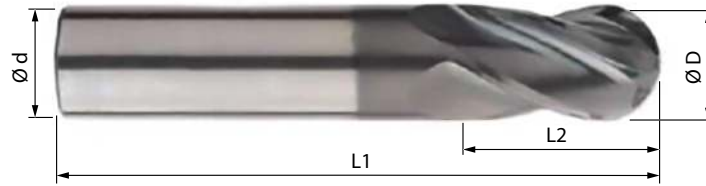
P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4B003D3	3	3	10	50	1
KYMCM4B003D3.5	3,5	3,5	10	50	1
KYMCM4B003D4	4	4	11	50	1
KYMCM4B003D4.5	4,5	4,5	11	50	1
KYMCM4B003D5	5	5	13	50	1
KYMCM4B003D5.5	5,5	5,5	13	57	1
KYMCM4B003D6	6	6	13	57	1
KYMCM4B003D6.5	6,5	6,5	16	60	1
KYMCM4B003D7	7	7	16	60	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4B003D7.5	7,5	7,5	19	63	1
KYMCM4B003D8	8	8	19	63	1
KYMCM4B003D8.5	8,5	8,5	19	67	1
KYMCM4B003D9	9	9	19	67	1
KYMCM4B003D9.5	9,5	9,5	22	72	1
KYMCM4B003D10	10	10	22	72	1
KYMCM4B003D10.5	10,5	10,5	22	72	1
KYMCM4B003D11	11	11	25	83	1
KYMCM4B003D12	12	12	25	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h9	L2	L1	Pcs.
KYMCM4B003D13	13	13	25	83	1
KYMCM4B003D14	14	14	26	83	1
KYMCM4B003D15	15	15	32	92	1
KYMCM4B003D16	16	16	32	92	1
KYMCM4B003D17	17	17	32	92	1
KYMCM4B003D18	18	18	32	92	1
KYMCM4B003D19	19	19	32	92	1
KYMCM4B003D20	20	20	38	104	1



HARTMETALLTORUSFRÄSER, TiAlN, Z=2, DIN 6527K
FRESE TOROIDALE IN METALLO DURO, TiAlN, Z=2, DIN 6527K
CARBIDE TORUS MILLING CUTTER, TiAlN, Z=2, DIN 6527K

DIN 6527K

MD CARBIDE

WHEEL CUTTING

90°

30° HELIX

TiAlN

P1

M3

K5

S2

S4



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4R001D3R0.5	3R0.5	3	7	50	1
KYMCM4R001D4R0.5	4R0.5	4	8	50	1
KYMCM4R001D5R0.5	5R0.5	5	10	50	1
KYMCM4R001D6R1.0	6R1.0	6	10	57	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4R001D8R1.0	8R1.0	8	16	63	1
KYMCM4R001D10R1.0	10R1.0	10	19	72	1
KYMCM4R001D12R1.0	12R1.0	12	22	83	1
KYMCM4R001D12R0.5	12R1.5	12	22	83	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D e8	Ø d h6	L2	L1	Pcs.
KYMCM4R001D16R1.5	16R1.5	16	26	92	1
KYMCM4R001D18R1.5	18R1.5	18	26	92	1
KYMCM4R001D20R2.0	20R2.0	20	32	104	1



FASENFRÄSER HSS
FRESE PER SVASARE HSS
CHAMFERING CUTTER HSS

DIN
335C

HSS

WHEEL
CUTTING

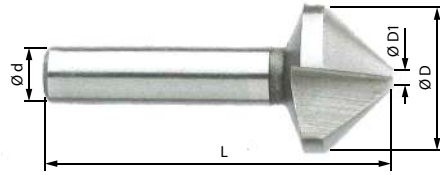
90°

BLACK

P1

M3

N7



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D Z9	Ø d h9	Ø d ₁	L1	Pcs.
KY21D0500	5	4	1,3	40	1
KY21D0530	5,3	4	1,5	40	1
KY21D0600	6	5	1,5	45	1
KY21D0630	6,3	5	1,5	45	1
KY21D0800	8	6	2	50	1
KY21D0830	8,3	6	2	50	1
KY21D1000	10	6	2,5	50	1
KY21D1040	10,4	6	2,5	50	1
KY21D1150	11,5	8	2,8	56	1

BESTELL.-NR. ARTICOLO ORDER NR.	Ø D Z9	Ø d h9	L2	L1	Pcs.
KY21D1200	12	8	2,8	56	1
KY21D1240	12,4	8	2,8	56	1
KY21D1340	13,4	8	2,9	56	1
KY21D1500	15	10	3,2	60	1
KY21D1650	16,5	10	3,2	60	1
KY21D2050	20,5	10	3,5	63	1
KY21D2500	25	10	3,8	67	1
KY21D3000	30	12	4,2	71	1
KY21D3100	31	12	4,2	71	1

KIT 6 PCS. 6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5



102P



102M



FASENFRÄSER HSSE-Co5
FRESE PER SVASARE HSSE-Co5
CHAMFERING CUTTER HSSE-Co5

DIN
335C

HSSE
5% Co

WHEEL
CUTTING

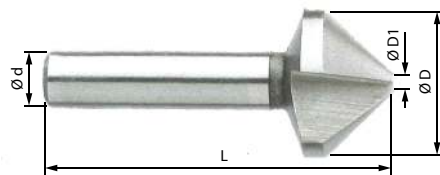
90°

AMB
RED

P1

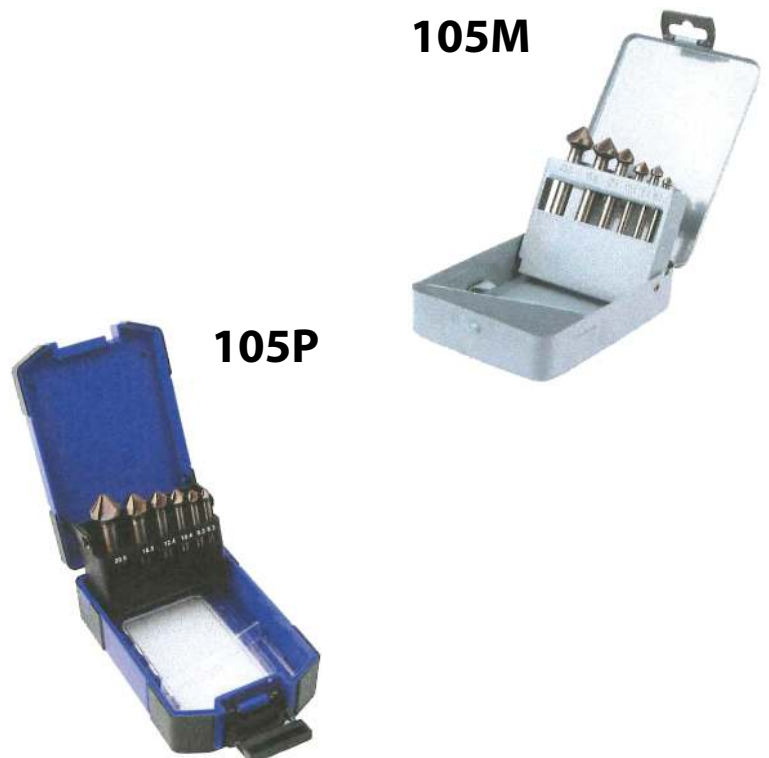
M3

N7



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D Z9	Ø d h9	Ø d ₁	L1	Pcs.
KY22D0630	6,3	5	1,5	45	1
KY22D0830	8,3	6	2	50	1
KY22D1040	10,4	6	2,5	50	1
KY22D1240	12,4	8	2,8	56	1
KY22D1650	16,5	10	3,2	60	1
KY22D2050	20,5	10	3,5	63	1
KY22D2500	25	10	3,8	67	1
KY22D3000	30	12	4,2	71	1
KY22D3100	31	12	4,2	71	1

KIT 6 PCS. 6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5



105P



105M



BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	ZOLL POLLICE INCH	Pcs.	BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	ZOLL POLLICE INCH	Pcs.	BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	ZOLL POLLICE INCH	Pcs.
KY71D1400	14	9/16"	1	KY71D4400	44	1-3/4"	1	KY71D8900	89	3-1/2"	1
KY71D1600	16	5/8"	1	KY71D4500	45	1-25/32	1	KY71D9200	92	3-5/8"	1
KY71D1700	17	11/16"	1	KY71D4600	46	1-13/16"	1	KY71D9500	95	3-3/4"	1
KY71D1900	19	3/4"	1	KY71D4800	48	1-7/8"	1	KY71D9800	98	3-7/8"	1
KY71D2000	20	25/32"	1	KY71D5100	51	2"	1	KY71D0102	102	4"	1
KY71D2100	21	13/16"	1	KY71D5200	52	2-1/16"	1	KY71D0102	105	4-1/8"	1
KY71D2200	22	7/8"	1	KY71D5400	54	2-1/8"	1	KY71D0108	108	4-1/4"	1
KY71D2400	24	15/16"	1	KY71D5700	57	2-1/4"	1	KY71D0111	111	4-3/8"	1
KY71D2500	25	1"	1	KY71D5900	59	2-5/16"	1	KY71D0114	114	4-1/2"	1
KY71D2700	27	1-1/16"	1	KY71D6000	60	2-3/8"	1	KY71D0121	121	4-3/4"	1
KY71D2900	29	1-1/8"	1	KY71D6400	64	2-1/2"	1	KY71D0127	127	5"	1
KY71D3000	30	1-3/16"	1	KY71D6500	65	2-9/16"	1	KY71D0133	133	5-1/4"	1
KY71D3200	32	1-1/4"	1	KY71D6700	67	2-5/8"	1	KY71D0140	140	5-1/2"	1
KY71D3300	33	1-5/16"	1	KY71D6800	68	2-11/16"	1	KY71D0146	146	5-3/4"	1
KY71D3300	25	1-3/8"	1	KY71D7000	70	2-3/4"	1	KY71D0152	152	6"	1
KY71D3700	37	1-7/16"	1	KY71D7300	73	2-7/8"	1	KY71D0160	160	6-5/16"	1
KY71D3800	38	1-1/2"	1	KY71D7600	76	3"	1	KY71D0168	168	6-5/8"	1
KY71D4000	40	1-9/16"	1	KY71D7900	79	3-1/8"	1	KY71D0177	177	7"	1
KY71D4100	41	1-5/8"	1	KY71D8300	83	3-1/4"	1	KY71D0200	200	7-7/8"	1
KY71D4300	43	1-11/16"	1	KY71D8600	86	3-3/8"	1	KY71D0200	210	8-9/32"	1



BESTELL.-NR. ARTICOLO ORDER NR.	DESIGNATION - DESIGNAZIONE - DESIGNATION	ZUSAMMENSETZUNG COMPOSIZIONE COMPOSITION	PCS.
KY171P	Glockensäge-Set HSS E Bi-Metall + Befestigungssatz für Klempner Set seghe a tazza HSS E bimetallo + Kit di montaggio per installatore Bell saw set HSS E bi-metal + Mounting kit for Plumber	19/22/29/38/44/57	7
KY172P	Glockensäge-Set HSS E Bi-Metall + Befestigungsset für Electricien Set seghe a tazza HSS E bimetallo + Kit di montaggio per elettricisti Bell saw set HSS E bi-metal + Mounting kit for Electricien	22/29/35/44/51/64	7
KY173P	Glockensäge-Set HSS E bi-metall+ Montagesatz Spezial-Klempner Set seghe a tazza HSS E bimetallo+ Kit di montaggio speciale Bell saw set HSS E bi-metal+ Mounting kit Special Plumber	19/25/32/38/44/57/68	8
KY174P	Glockensäge-Set HSS E Bi-Metall + Befestigungsset Special Electrical Set seghe a tazza HSS E bimetallo HSS E bimetallo + kit di montaggio Speciale Elettrico Bell saw set HSS E bi-metal + mounting kit Special Electrical	22/35/51/57/68/76	7



ZUBEHÖR FÜR GLOCKENSÄGE
ACCESSORI PER SEGHE A TAZZA
BELL SAW ACCESSORIES



BESTELL.-NR. ARTICOLO ORDER NR.	DESIGNATION - DESIGNAZIONE - DESIGNATION	PCS.
KY72F001	Pilotbohrer L75mm Punta pilota L75mm Pilot drill L75mm	
KY72F002	Pilotbohrer L102mm Punta pilota L102mm Pilot drill L102mm	1
KY72P001	Montagewelle Sechskantschaft 9,5mm mit Pilotbohrer für Lochsägen 14mm ~30mm Attacco esagonale albero di montaggio 9,5mm con punta pilota per seghe a tazza 14mm ~30mm Mounting shaft hexagonal shank 9,5mm with pilot drill for hole saws 14mm ~30mm	1
KY72P002	Montagewelle Sechskantschaft 9,5mm mit Pilotbohrer für Lochsägen 32mm ~210mm Attacco esagonale albero di montaggio 9,5mm con punta pilota per seghe a tazza 32mm ~210mm Mounting shaft hexagonal shank 9,5mm with pilot drill for hole saws 32mm ~210mm	1



MASCHINENGEWINDEBOHRER HSS, SCHÄLANSCHNITT, DIN 371
 MASCHI A MACCHINA HSS, IMBOCCO CORRETTO, DIN 371
 MACHINE TAPS HSS, GUN NOSE, DIN 371

DIN
371

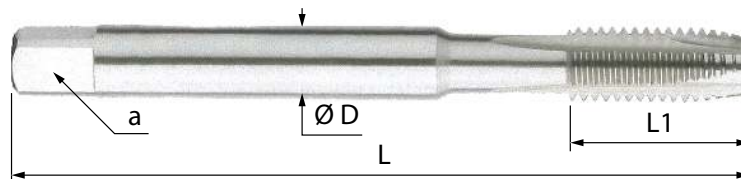
HSS



P1

N6

N7



BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY81AM3	M3	0,5	56	11	3,5	2,7	1
KY81AM4	M4	0,7	63	13	4,5	3,4	1
KY81AM5	M5	0,8	70	16	6	4,9	1
KY81AM6	M6	1	80	19	6	4,9	1
KY81AM8	M8	1,25	90	22	8	6,2	1
KY81AM10	M10	1,5	100	24	10	8	1



MASCHINENGEWINDEBOHRER HSS, RECHTSDRALL, DIN 371
 MASCHI A MACCHINA HSS, SCANALATURE ELICOIDALE, DIN 371
 MACHINE TAPS HSS, SPIRAL FLUTES, DIN 371

DIN
371

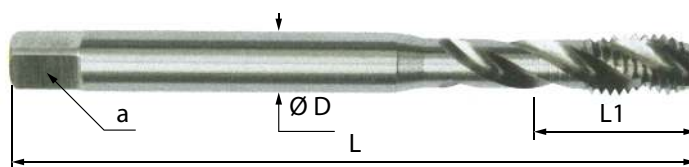
HSS



P1

N6

N7



BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY81SM3	M3	0,5	56	5	3,5	2,7	1
KY81SM4	M4	0,7	63	7	4,5	3,4	1
KY81SM5	M5	0,8	70	8	6	4,9	1
KY81SM6	M6	1	80	10	6	4,9	1
KY81SM8	M8	1,25	90	12	9	6.20	1
KY81SM10	M10	1,5	100	14	10	8	1



MASCHINENGEWINDEBOHRER HSS, SCHÄLANSCHNITT, DIN 376
 MASCHI A MACCHINA HSS, IMBOCCO CORRETTO, DIN 376
 MACHINE TAPS HSS, GUN NOSE, DIN 376

DIN
376

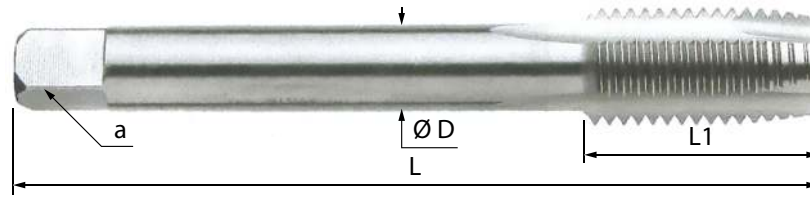
HSS



P1

N6

N7



BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY82AM12	M12	1,75	110	29	9	7	1
KY82AM14	M14	2	110	30	11	9	1
KY82AM16	M16	2	110	32	12	9	1
KY82AM18	M18	2,5	125	34	14	11	1
KY82AM20	M20	2,5	140	34	18	14,5	1
KY82AM22	M22	2,5	140	34	18	14,5	1
KY82AM24	M24	3	160	38	18	14,5	1
KY82AM27	M27	3	160	38	20	16	1
KY82AM30	M30	3,5	180	45	22	18	1



MASCHINENGEWINDEBOHRER HSS, RECHTSDRALL, DIN 376
 MASCHI A MACCHINA HSS, SCANALATURE ELICOIDALE, DIN 376
 MACHINE TAPS HSS, SPIRAL FLUTES, DIN 376

DIN
376

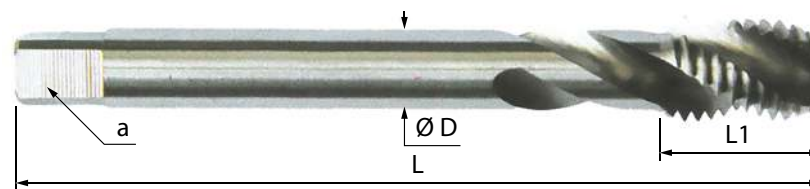
HSS



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N6

N7



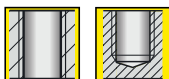
BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY82SM12	M12	1,75	110	18	9	7	1
KY82SM14	M14	2	110	20	11	9	1
KY82SM16	M16	2	110	20	12	9	1
KY82SM18	M18	2,5	125	25	14	11	1
KY82SM20	M20	2,5	140	25	16	12	1
KY82SM22	M22	2,5	140	25	18	14,5	1
KY82SM24	M24	3	160	30	18	14,5	1
KY82SM27	M27	3	160	30	20	16	1
KY82SM30	M30	3,5	180	35	22	18	1



HAND-GEWINDEBOHRER, HSS, DIN 352
 MASCHI A MANO, HSS, DIN 352
 HAND TAPS, HSS, DIN 352

DIN
352

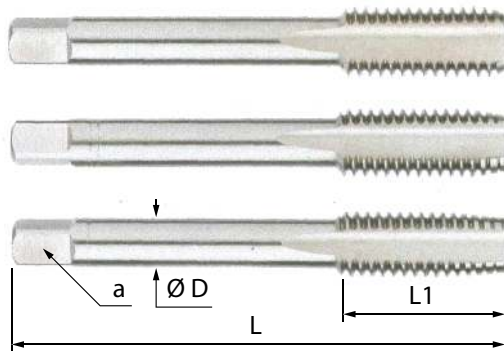
HSS



P1

N6

N7



BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY83AM3	M3	0,5	40	11	3,5	2,7	1
KY83AM4	M4	0,7	45	13	4,5	3,4	1
KY83AM5	M5	0,8	50	16	6	4,9	1
KY83AM6	M6	1	50	19	6	4,9	1
KY83AM8	M8	1,25	56	22	6	4,9	1
KY83AM10	M10	1,5	70	24	7	5,5	1

BESTELL.-NR. ARTICOLO ORDER NR.	M	PASO	L	L1	Ø D	a	PCS.
KY83AM12	M12	1,75	75	29	9	7	1
KY83AM16	M16	2	80	32	12	9	1
KY83AM18	M18	2,5	95	40	14	11	1
KY83AM20	M20	2,5	95	40	16	12	1
KY83AM22	M22	2,5	100	40	18	14,5	1
KY83AM24	M24	3	110	50	18	14,5	1



WINDEISEN
GIRAMASCHI
TAP WRENCH



BESTELL.-NR. ARTICOLO ORDER NR.	M	Nº	PCS.
KY841	M2 - M10	Nº1	1
KY842	M4 - M12	Nº2	1
KY843	M8 - M27	Nº3	1




**HARTMETALL FRÄSSTIFTE
LIME ROTATIVE IN METALLO DURO
CARBIDE ROTARY BURRS**


Materialien - Materiali - Materials					
	Aluminiumzuschnitt Taglio alluminio Aluminium cut	Kreuzverzahnung Denti incrociati Cross-toothed	Einfacher Schnitt Taglio semplice Simple cut	Spänebrecher schneiden Rompitrucolo da taglio Cutting chip breakers	Diamantschliff Taglio diamante Diamond cut
	Type 40	Type 41	Type 42	Type 43	Type 44
Aluminium - Alluminio - Aluminium	☼				
Messing, Bronze, Kupfer - Ottone, Bronzo, Rame - Brass, Bronze, Copper		☼		☼	
Kohlefaser - Fibra di carbonio - Carbon fiber			☼		
Fiberglas - Fibra di vetro - Fiberglass					☼
Gusseisen - Ghisa - Cast		☼	☼	☼	
Kunststoff - Plastica - Plastic	☼	☼			☼
Stahl 40-50 HRC - Acciaio 40-50 HRC - Steel 40-50 HRC		☼	☼	☼	☼
Stahl 55-60 HRC - Acciaio 55-60 HRC - Steel 55-60 HRC		☼	☼	☼	☼
Kohlenstoffstahl - Acciaio al carbonio - Carbon steel		☼	☼	☼	
Chromnickelstahl - Acciaio al nichel-cromo - Chrome nickel steel		☼	☼	☼	☼
Rostfreier Stahl - Acciaio inossidabile - Stainless steel		☼	☼	☼	
Titanium - Titano - Titanium		☼	☼	☼	
Zink - Zinco - Zinc	☼	☼	☼		


TYPE A	Ø D	Ø d	L2	L1	PCS.					
						BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut									
	3	3	13	38	1	KY41A0313	KY40A0314	KY42A0313	KY43A0313	KY44A0313
	4	3	13	38	1	KY41A0413	KY40A0413	KY42A0413	KY43A0413	KY44A0413
	5	3	16	51	1	KY41A0516	KY40A0516	KY42A0516	KY43A0516	KY44A0516
	6	6	16	51	1	KY41A0616	KY40A0616	KY42A0616	KY43A0616	KY44A0616
	8	6	20	65	1	KY41A0820	KY40A0820	KY42A0820	KY43A0820	KY44A0820
	10	6	20	65	1	KY41A1020	KY40A1020	KY42A1020	KY43A1020	KY44A1020
	12	6	25	70	1	KY41A1225	KY40A1225	KY42A1225	KY43A1225	KY44A1225
	16	6	25	70	1	KY41A1625	KY40A1625	KY42A1625	KY43A1625	KY44A1625
	19	6	25	70	1	KY41A1925	KY40A1925	KY42A1925	KY43A1925	KY44A1925


TYPE B	Ø D	Ø d	L2	L1	PCS.					
						BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut									
	3	3	13	38	1	KY41B0313	KY40B0313	KY42B0313	KY43B0313	KY44B0313
	4	3	13	51	1	KY41B0413	KY40B0413	KY42B0413	KY43B0413	KY44B0413
	5	3	16	51	1	KY41B0516	KY40B0516	KY42B0516	KY43B0516	KY44B0516
	6	6	16	61	1	KY41B0616	KY40B0616	KY42B0616	KY43B0616	KY44B0616
	8	6	20	65	1	KY41B0820	KY40B0820	KY42B0820	KY43B0820	KY44B0820
	10	6	20	65	1	KY41B1020	KY40B1020	KY42B1020	KY43B1020	KY44B1020
	12	6	25	70	1	KY41B1225	KY40B1225	KY42B1225	KY43B1225	KY44B1225
	16	6	25	70	1	KY41B1625	KY40B1625	KY42B1625	KY43B1625	KY44B1625
	19	6	25	70	1	KY41B1925	KY40B1925	KY42B1925	KY43B1925	KY44B1925


TYPE C	Ø D	Ø d	L2	L1	PCS.					
						BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut									
	3	3	13	38	1	KY41C0313	KY40C0313	KY42C0313	KY43C0313	KY44C0313
	4	3	13	51	1	KY41C0413	KY40C0413	KY42C0413	KY43C0413	KY44C0413
	5	3	13	51	1	KY41C0513	KY40C0513	KY42C0513	KY43C0513	KY44C0513
	6	6	16	61	1	KY41C0616	KY40C0616	KY42C0616	KY43C0616	KY44C0616
	8	6	20	35	1	KY41C0820	KY40C0820	KY42C0820	KY43C0820	KY44C0820
	10	6	20	35	1	KY41C1020	KY40C1020	KY42C1020	KY43C1020	KY44C1020
	12	6	25	70	1	KY41C1225	KY40C1225	KY42C1225	KY43C1225	KY44C1225
	16	6	25	70	1	KY41C1625	KY40C1625	KY42C1625	KY43C1625	KY44C1625
	19	6	25	70	1	KY41C1925	KY40C1925	KY42C1925	KY43C1925	KY44C1925


TYPE D	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	2,3	38	1	KY41D0302		KY42D0302	KY43D0302	KY44D0302
	4	3	3	41	1	KY41D0403		KY42D0403	KY43D0403	KY44D0403
	5	3	4	43	1	KY41D0504		KY42D0504	KY43D0504	KY44D0504
	6	6	5,4	51	1	KY41D0605	KY40D0605	KY42D0605	KY43D0605	KY44D0605
	8	6	7,2	52	1	KY41D0807	KY40D0807	KY42D0807	KY43D0807	KY44D0807
	10	6	9	54	1	KY41D1009	KY40D1009	KY42D1009	KY43D1009	KY44D1009
	12	6	11	56	1	KY41D1211	KY40D1211	KY42D1211	KY43D1211	KY44D1211
	16	6	14	60	1	KY41D1614	KY40D1614	KY42D1614	KY43D1614	KY44D1614
	19	6	19	62	1	KY41D1919	KY40D1919	KY42D1919	KY43D1919	KY44D1919

TYPE E	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	7	38	1	KY41E0307		KY42E0307	KY43E0307	KY44E0307
	5	3	8	46	1	KY41E0508		KY42E0508	KY43E0508	KY44E0508
	6	6	10	55	1	KY41E0610		KY42E0610	KY43E0610	KY44E0610
	8	6	13	58	1	KY41E0813	KY40E0813	KY42E0813	KY43E0813	KY44E0813
	10	6	16	61	1	KY41E1016	KY40E1016	KY42E1016	KY43E1016	KY44E1016
	12	6	20	65	1	KY41E1220	KY40E1220	KY42E1220	KY43E1220	KY44E1220
	16	6	25	70	1	KY41E1625	KY40E1625	KY42E1625	KY43E1625	KY44E1625

TYPE F	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	13	38	1	KY41F0313		KY42F0313	KY43F0313	KY44F0313
	5	3	13	51	1	KY41F0513		KY42F0513	KY43F0513	KY44F0513
	6	6	18	63	1	KY41F0618	KY40F0618	KY42F0618	KY43F0618	KY44F0618
	8	6	20	65	1	KY41F0820	KY40F0820	KY42F0820	KY43F0820	KY44F0820
	10	6	20	65	1	KY41F1020	KY40F1020	KY42F1020	KY43F1020	KY44F1020
	12	6	25	70	1	KY41F1225	KY40F1225	KY42F1225	KY43F1225	KY44F1225
	16	6	25	70	1	KY41F1625	KY40F1625	KY42F1625	KY43F1625	KY44F1625


TYPE G	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	13	38	1	KY41G0313			KY44G0313	
	5	3	13	51	1	KY41G0513		KY43G0513	KY44G0513	
	6	6	18	63	1	KY41G0618	KY40G0618	KY43G0618	KY44G0618	
	8	6	20	65	1	KY41G0820	KY40G0820	KY43G0820	KY44G0820	
	10	6	20	65	1	KY41G1020	KY40G1020	KY43G1020	KY44G1020	
	12	6	25	65	1	KY41G1225	KY40G1225	KY43G1225	KY44G1225	
	16	6	25	70	1	KY41G1625	KY40G1625	KY43G1625	KY44G1625	


TYPE H	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	13	38	1	KY41H0313		KY42H0313	KY43H0313	KY44H0313
	6	6	18	63	1	KY41H0618	KY40H0618	KY42H0618	KY43H0618	KY44H0618
	8	6	20	65	1	KY41H0820	KY40H0820	KY42H0820	KY43H0820	KY44H0820
	10	6	20	65	1	KY41H1020	KY40H1020	KY42H1020	KY43H1020	KY44H1020
	12	6	32	77	1	KY41H1232	KY40H1232	KY42H1232	KY43H1232	KY44H1232
	16	6	36	81	1	KY41H1636	KY40H1626	KY42H1636	KY43H1636	KY44H1636


TYPE J	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	3	38	1	KY41J0303		KY42J0303		KY44J0303
	6	6	5,2	50	1	KY41J0605		KY42J0605	KY43J0605	KY44J0605
	10	6	8	53	1	KY41J1008		KY42J1008	KY43J1008	KY44J1008
	12	6	10	55	1	KY41J1210		KY42J1210	KY43J1210	KY44J1210
	16	6	14	60	1	KY41J1613		KY42J1613	KY43J1613	KY44J1613




**HARTMETALL FRÄSSTIFTE
LIME ROTATIVE IN METALLO DURO
CARBIDE ROTARY BURRS**

TYPE K	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	2	38	1	KY41K0302		KY42K0302		KY44K0302
	6	6	3	48	1	KY41K0603		KY42K0603	KY43K0603	KY44K0603
	8	6	4	48	1	KY41K0804		KY42K0804	KY43K0804	KY44K0804
	10	6	5	50	1	KY41K1005		KY42K1005	KY43K1005	KY44K1005
	12	6	6	51	1	KY41K1206		KY42K1206	KY43K1206	KY44K1206
	16	6	8	53	1	KY41K1608		KY42K1608	KY43K1608	KY44K1608

TYPE L	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	13	38	1	KY41L0303				KY44L0313
	6	6	16	61	1	KY41L0616	KY40L0616	KY42L0616	KY43L0616	KY44L0616
	8	6	22	67	1	KY41L0822	KY40L0822	KY42L0822	KY43L0822	KY44L0822
	10	6	25	70	1	KY41L1025	KY40L1025	KY42L1025	KY43L1025	KY44L1025
	12	6	28	73	1	KY41L1228	KY40L1228	KY42L1228	KY43L1228	KY44L1228
	16	6	33	78	1	KY41L1633	KY40L1633	KY42L1633	KY43L1633	KY44L1633

TYPE M	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	13	38	1	KY41M0313		KY42M0313		KY44M0313
	6	6	18	63	1	KY41M0618	KY40M0618	KY42M0618	KY43M0618	KY44M0618
	8	6	20	63	1	KY41M0820	KY40M0820	KY42M0820	KY43M0820	KY44M0820
	10	6	20	63	1	KY41M1020	KY40M1020	KY42M1020	KY43M1020	KY44M1020
	12	6	25	70	1	KY41M1225	KY40M1225	KY42M1225	KY43M1225	KY44M1225
	16	6	25	70	1	KY41M1625	KY40M1625	KY42M1625	KY43M1625	KY44M1625

TYPE N	Ø D	Ø d	L2	L1	PCS.	Type 40	Type 41	Type 42	Type 43	Type 44
	Zylindrisch 1 Schnitt Cilindrica 1 taglio Cylindrical 1 cut					BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.	BESTELL.-NR. ARTICOLO ORDER NR.
	3	3	7	38	1	KY41N0307		KY42N0307		KY44N0307
	6	6	7	52	1	KY41N0607		KY42N0607	KY43N0607	KY44N0607
	10	6	10	55	1	KY41N1010		KY42N1010	KY43N1010	KY44N1010
	12	6	13	58	1	KY41N1213		KY42N1213	KY43N1213	KY44N1213
	16	6	15	61	1	KY41N1615		KY42N1615	KY43N1615	KY44N1615

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