



Werkzeuge und Wendeplatten zum Fräsen

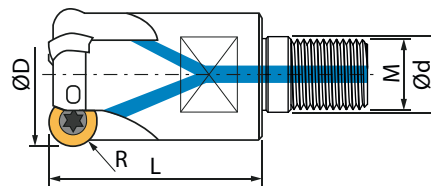
Utensili ad inserti per fresatura

Tools and inserts for milling

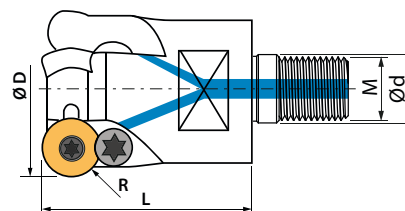




EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER



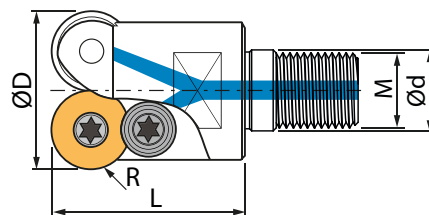
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R			
RKD1262S	12	18	M6	6,5	2	3,5	RD..0701	RKM250	T07
RKD1582S	15	23	M8	8,5	2	3,5	RD..0702	RKM250	T07
RKD1682S	16	23	M8	8,5	2	3,5	RD..0702	RKM250	T07
RKD1683S	16	23	M8	8,5	3	3,5	RD..0702	RKM250	T07
RKD20103S	20	30	M10	10,5	3	3,5	RD..0702	RKM250	T07
RKD20104S	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



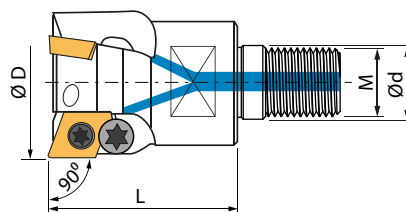
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RKD24122S	24	35	12	12,5	2	6	RD..12T3	RKM358	-	T15
RKD25122S	25	35	12	12,5	2	6	RD..12T3	RKM358	OM3505	T15
RKD32163S/12	32	43	16	17	3	6	RD..12T3	RKM358	OM3505	T15
RKD35163S/12	35	43	16	17	3	6	RD..12T3	RKM358	OM3505	T15
RKD40164S/12	40	43	16	17	4	6	RD..12T3	RKM358	OM3505	T15
RKD42164S	42	43	16	17	4	6	RD..12T3	RKM358	OM3505	T15



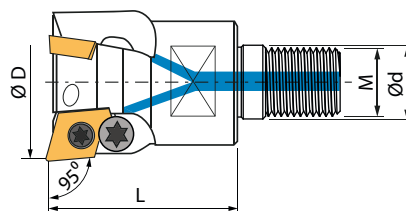
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



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



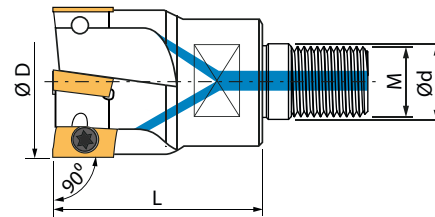
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z				
RKDX1062	10	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1262	12	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1682	16	23	M8	8,5	2	XD..0602	RKM250	-	T07
RKDX20103	20	30	M10	10,5	3	XD..0602	RKM250	-	T07
RKDX25123	25	35	M12	12,5	3	XD..0602	RKM250	-	T07
RKDX25124	25	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



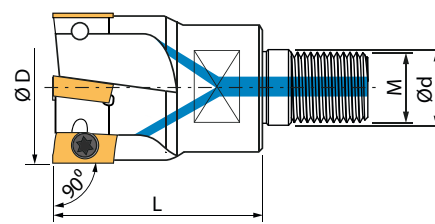
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z				
RKDX1062S	10	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1262S	12	18	M6	6,5	2	XD..0401	RKM180	-	T06
RKDX1563S	15	18	M6	6,5	3	XD..0401	RKM180	-	T06
RKDX1682S	16	23	M8	8,5	2	XD..0602	RKM250	-	T07
RKDX20103S	20	30	M10	10,5	3	XD..0602	RKM250	-	T07
RKDX25123S	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



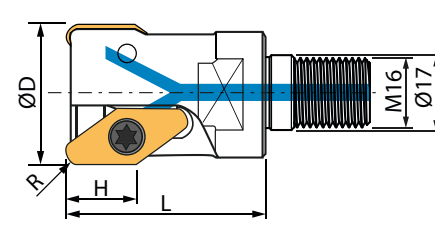
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TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



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



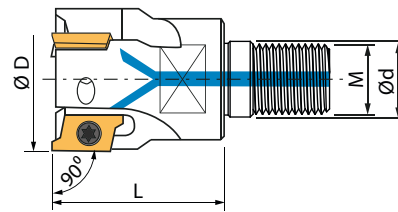
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z			
RK90AP1625M12WZ2R	25	35	M12	12,5	2	AP..1604	RKM4008	T15
RK90AP1632M16WZ3R	32	43	M16	17	3	AP..1604	RKM4010	T15



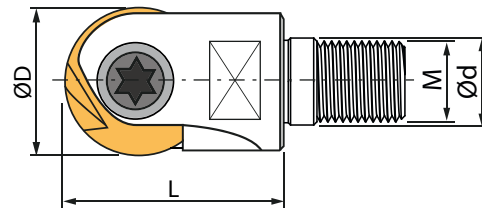
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	H	Z	R			
RK90VC22032M16WZ2R	32	48	15	2	3	RKC..220530	RKM4511	T20
RK90VC22042M16WZ3R	42	48	15	3	3	RKC..220530	RKM4511	T20



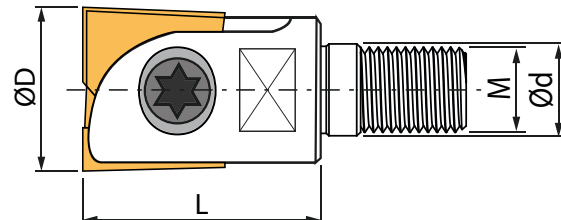
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



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



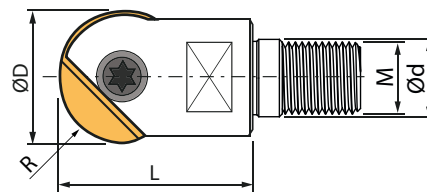
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	R			
RKK0012M06Z1R	12	20	M6	6,5	6	WPR12..	KTS12	T15
RKK0016M08Z1R	16	25	M8	8,5	8	WPR16..	KTS16	T20
RKK0020M10Z1R	20	30	M10	10,5	10	WPR20..	KTS20	T20
RKK0025M12Z1R	25	35	M12	12,5	12,5	WPR25..	KTS25	T25
RKK0032M16Z1R	32	45	M16	17	16	WPR32..	KTS32	T30



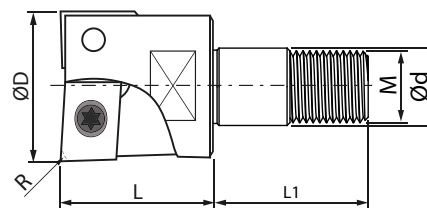
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6			
RKK9012M06Z1R	12	20	M6	6,5	WPV - WPB12..	KTS12	T15
RKK9016M08Z1R	16	25	M8	8,5	WPV - WPB16..	KTS16	T20
RKK9020M10Z1R	20	30	M10	10,5	WPV - WPB20..	KTS20	T20
RKK9025M12Z1R	25	35	M12	12,5	WPV - WPB25..	KTS25	T25
RKK9032M16Z1R	32	45	M16	17	WPV - WPB32..	KTS32	T30



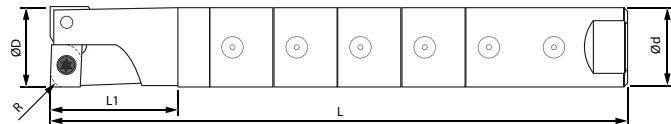
**EINSCHRAUBERFRÄSER
TESTINE FILETTATE PER FRESATURE
SCREW-IN MILLING CUTTER**



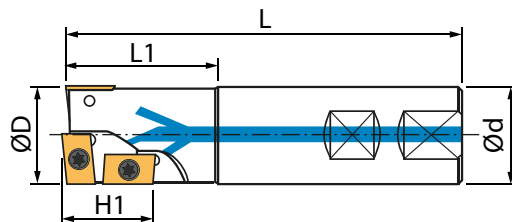
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	R			
RKA0012M06Z1R	12	20	M6	6,5	6	AWR12..	TX3509A	T10
RKA0016M08Z1R	16	25	M8	8,5	8	AWR16..	TX4013A	T15
RKA0020M10Z1R	20	30	M10	10,5	10	AWR20..	TX5016A	T20
RKA0025M12Z1R	25	35	M12	12,5	12,5	AWR25..	TX6020A	T25
RKA0032M16Z1R	32	45	M16	17	16	AWR32..	TX8025A	T30



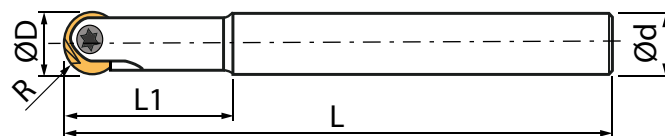
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	L1	M	Ø d h6	Z	R				
RKFF25	25	24	27	M12	14	2	0,5	ADGW 1503 ZZTR	ADGW 1203 ZZTL	RKM4008F	T15
RKFFR25	25	24	27	M12	14	2	4	ADGW 150340 TR	ADGW 120340 TL	RKM4008F	T15
RKFF36	36	32	37	M18	20	2	0,5	APGW 2004 ZZTR	APGW 1904 ZZTL	RKM5008	T20
RKFFR36	36	32	37	M18	20	2	4	APGW 200440 TR	APGW 190440 TL	RKM5008	T20



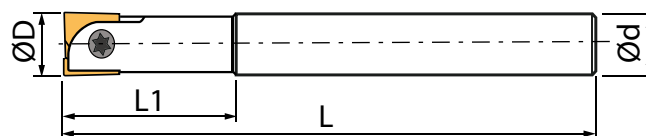
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RKFTF20	20	42	180	24	2	0,5	ADGW 0903 ZZTR	ADGW 1003 ZZTL	RKM4006F	T15
RKFTFR20	20	42	180	24	2	4	ADGW 090340 TR	ADGW 100340 TL	RKM4006F	T15
RKFTF25	25	40	180	24	2	0,5	ADGW 1503 ZZTR	ADGW 1203 ZZTL	RKM4008F	T15
RKFTF25R	25	40	180	24	2	4	ADGW 150340 TR	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



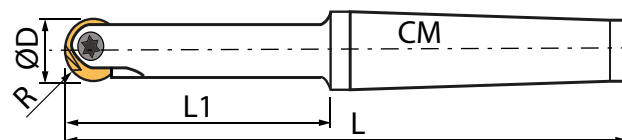
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	L1	L	Ø d h6	INSERTS	Z			
RK90RFAP10020WWZ3R	20	17	35	90	20	3	2	AP..1003	RKM2506	T08
RK90RFAP16032WWZ3R	32	30	50	130	32	3	2	AP..1604	RKM4010	T15



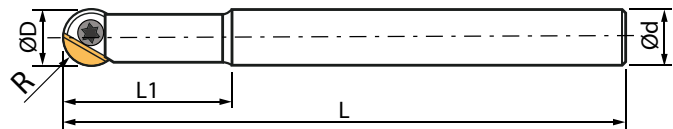
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKK00VF0610CZ1R	6	25	90	10	3	WPR 06..	KTS06	T06
RKK00VF0808CZ1R	8	40	120	8	4	WPR 08..	KTS08	T08
RKK00VF0810CZ1R	8	30	120	10	4	WPR 08..	KTS08	T08
RKK00VF1010CZ1R	10	40	150	10	5	WPR 10..	KTS10	T15
RKK00VF1012CZ1R	10	35	150	12	5	WPR 10..	KTS10	T15
RKK00VF1212CZ1R	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



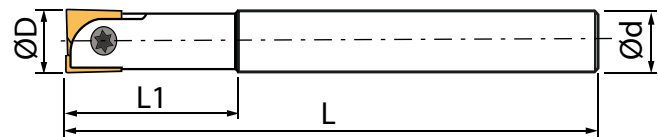
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6			
RKK90SF0808CZ1R	8	40	120	8	WPV - WPB 08..	KTS08	T08
RKK90SF0810CZ1R	8	30	120	10	WPV - WPB 08..	KTS08	T08
RKK90SF1010CZ1R	10	40	120	10	WPV - WPB 10..	KTS10	T15
RKK90SF1012CZ1R	10	35	150	12	WPV - WPB 10..	KTS10	T15
RKK90SF1212CZ1R	12	50	160	12	WPV - WPB 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



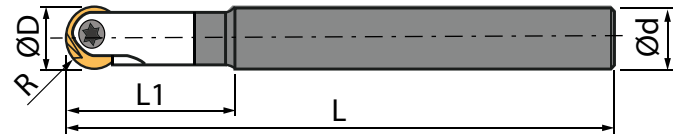
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKA00SF1212CZ1R	12	35	140	12	6	AWR 12..	TX3509A	T10
RKA00SF1616CZ1R	16	45	170	16	8	AWR 16..	TX4013A	T15
RKA00SF2020CZ1R	20	55	180	20	10	AWR 20..	TX5016A	T20
RKA00SF2525CZ1R	25	60	200	25	12,5	AWR 25..	TX6020A	T25
RKA00SF3232CZ1R	32	60	200	32	16	AWR 32..	TX8025A	T30



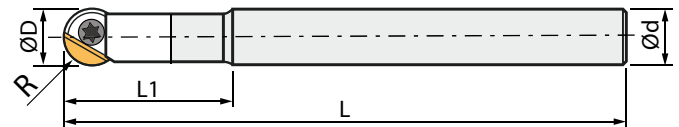
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6			
RKA90SF1212CZ1R	12	35	140	12	PPHT 12..	TX3509A	T10
RKA90SF1616CZ1R	16	45	170	16	PPHT 16..	TX4013A	T15
RKA90SF2020CZ1R	20	55	180	20	PPHT 20..	TX5016A	T20
RKA90SF2525CZ1R	25	60	200	25	PPHT 25..	TX6020A	T25



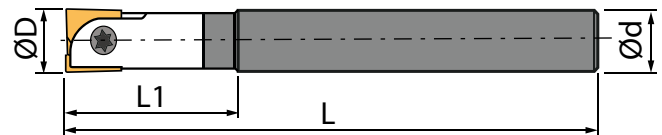
HARTMETALL ZYLINDERSCHAFT - ATTACCO CILINDRICO IN METALLO DURO - CARBIDE CYLINDRICAL SHANK



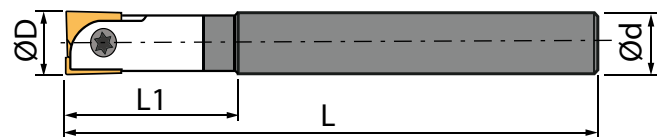
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	R			
RKKR0808CZ1R	8	25	100	8	4	WPV - WPB 08..	KTS08	T08
RKKR1010CZ1R	10	35	120	10	5	WPV - WPB 10..	KTS10	T15
RKKR1212CZ1R	12	50	160	12	6	WPV - WPB 12..	KTS12	T20
RKKR1616CZ1R	16	55	175	16	8	WPV - WPB 16..	KTS16	T20
RKKR2020CZ1R	20	75	190	20	10	WPV - WPB 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



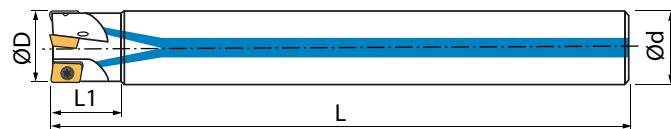
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	L	Ø d h6			
RKKT0808CZ1R	8	25	100	8	WPV - WPB 08..	KTS08	T08
RKKT1010CZ1R	10	35	120	10	WPV - WPB 10..	KTS10	T15
RKKT1212CZ1R	12	50	160	12	WPV - WPB 12..	KTS12	T20
RKKT1616CZ1R	16	55	175	16	WPV - WPB 16..	KTS16	T20
RKKT2020CZ1R	20	75	190	20	WPV - WPB 20..	KTS20	T20



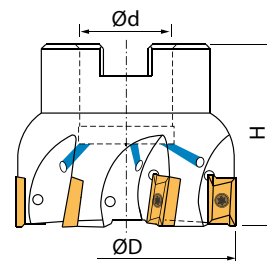
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	L	Ø d h6			
RKAT1212CZ1R	12	50	160	12	PPHT 12..	TX3509A	T10
RKAT1616CZ1R	16	55	175	16	PPHT 16..	TX4013A	T15
RKAT2020CZ1R	20	75	190	20	PPHT 20..	TX5016A	T20



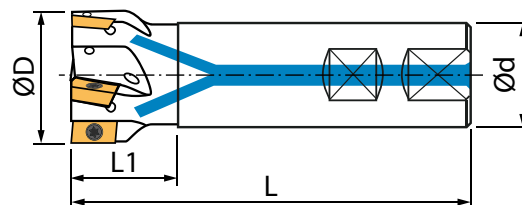
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



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



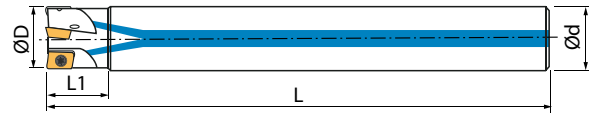
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ød H7	Z			
RK90AP10040MWZ6R-16	40	40	16	6	AP..1003	RKM2506	T08
RK90AP10040MWZ6R-22	40	40	22	6	AP..1003	RKM2506	T08
RK90AP10050MWZ5R	50	40	22	5	AP..1003	RKM2506	T08
RK90AP10050MWZ7R	50	40	22	7	AP..1003	RKM2506	T08
RK90AP10063MWZ6R	63	40	22	6	AP..1003	RKM2506	T08
RK90AP10063MWZ8R	63	40	22	8	AP..1003	RKM2506	T08
RK90AP10080MWZ11R	80	50	27	11	AP..1003	RKM2506	T08



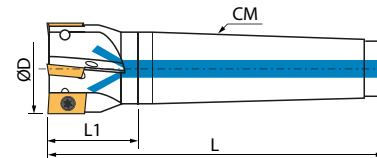
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK90AP16025WWZ2R	25	44	100	25	2	AP..1604	RKM4008	T15
RK90AP16028WWZ3R	28	44	100	25	3	AP..1604	RKM4008	T15
RK90AP16032WWZ3R	32	50	110	32	3	AP..1604	RKM4010	T15
RK90AP16040WWZ4R	40	45	115	32	4	AP..1604	RKM4010	T15



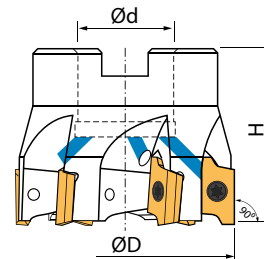
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



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



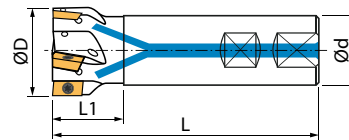
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	MORSE	Z			
RK90AP16032CM3WZ3R	32	40	125	CM3	3	AP..1604	RKM4010	T15
RK90AP16040CM4WZ4R	40	48	157	CM4	4	AP..1604	RKM4010	T15



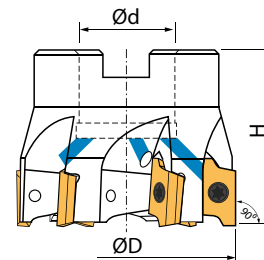
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90AP16040MWZ4R	40	40	16	4	AP..1604	RKM4010	T15
RK90AP16050MWZ5R	50	40	22	5	AP..1604	RKM4010	T15
RK90AP16052MWZ5R	52	40	22	5	AP..1604	RKM4010	T15
RK90AP16063MWZ5R	63	40	22	5	AP..1604	RKM4010	T15
RK90AP16063MWZ6R	63	40	22	6	AP..1604	RKM4010	T15
RK90AP16080MWZ6R	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



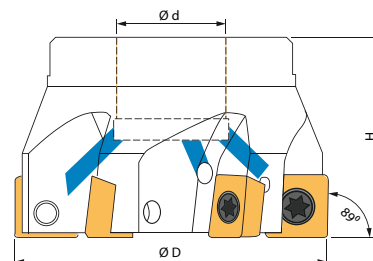
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



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



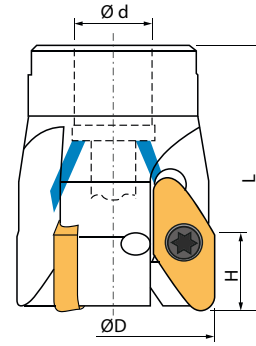
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90AD15040MWZ4R	40	45	16	4	ADKT1505	RKM4010	T15
RK90AD15050MWZ5R	50	40	22	5	ADKT1505	RKM4010	T15
RK90AD15063MWZ6R	63	40	22	6	ADKT1505	RKM4010	T15
RK90AD15080MWZ7R	80	50	27	7	ADKT1505	RKM4010	T15
RK90AD15100MWZ8R	100	50	32	8	ADKT1505	RKM4010	T15
RK90AD15125MWZ9R	125	63	40	9	ADKT1505	RKM4010	T15



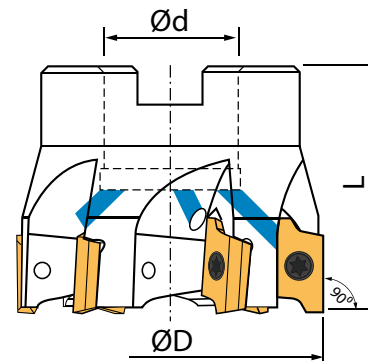
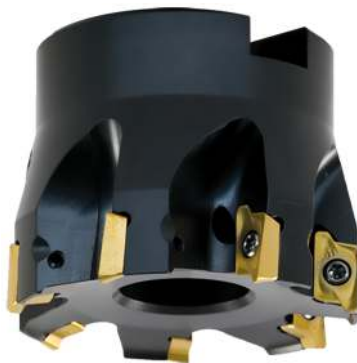
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90SD12050MWZ5R	50	40	22	5	SDHT 1204	RKM4010	T15
RK90SD12063MWZ6R	63	40	22	6	SDHT 1204	RKM4010	T15
RK90SD12080MWZ6R	80	50	27	6	SDHT 1204	RKM4010	T15
RK90SD12100MWZ8R	100	50	32	8	SDHT 1204	RKM4010	T15
RK90SD12125MWZ9R	125	63	40	9	SDHT 1204	RKM4010	T15



SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



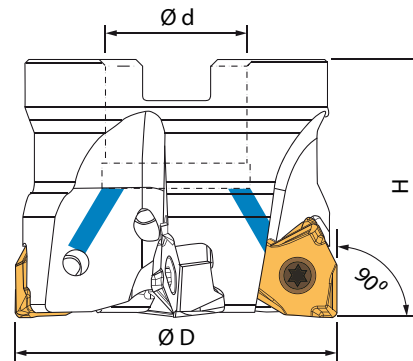
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	Ø d H7	H	Z			
RK90SC22042MWZ3R	42	57	16	15	3	RKC...220530	RKM4511	T20
RK90SC22052MWZ3R	52	57	22	15	3	RKC...220530	RKM4511	T20
RK90SC22066MWZ4R	66	57	27	15	4	RKC...220530	RKM4511	T20
RK90SC22080MWZ4R	80	57	27	15	4	RKC...220530	RKM4511	T20
RK90SC22100MZ5R	100	50	32	15	5	RKC...220530	RKM4511	T20
RK90SC22125MZ6R	125	50	40	15	6	RKC...220530	RKM4511	T20



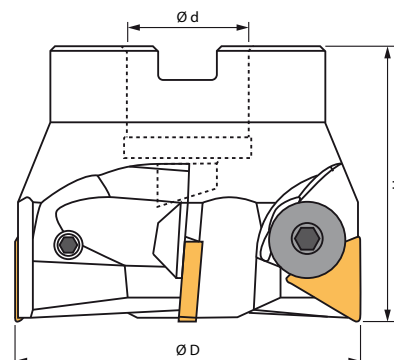
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90RT10040MWZ6R	40	40	16	6	RT 1003/T3	RKM25IP	T08IP
RK90RT10050MWZ7R	50	40	22	7	RT 1003/T3	RKM25IP	T08IP
RK90RT13040MWZ5R	40	40	16	5	RT 1304..	RKM30IP	T09IP
RK90RT13050MWZ6R	50	40	22	6	RT 1304..	RKM30IP	T09IP
RK90RT13063MWZ7R	63	40	22	7	RT 1304..	RKM30IP	T09IP



SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



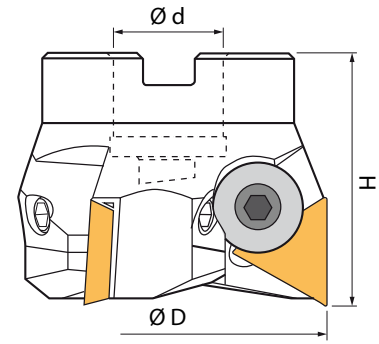
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90XN08050MWZ4R	50	40	22	4	XNEX 080608	RKM4012	T15
RK90XN08050MWZ5R	50	40	22	5	XNEX 080608	RKM4012	T15
RK90XN08063MWZ5R	63	40	22	5	XNEX 080608	RKM4012	T15
RK90XN08063MWZ6R-22	63	40	22	6	XNEX 080608	RKM4012	T15
RK90XN08063MWZ6R-27	63	40	27	6	XNEX 080608	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



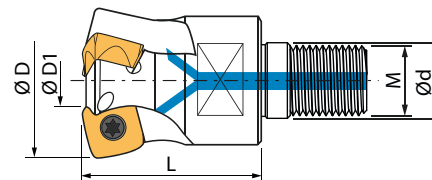
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK90TPK16050MZ3R	50	50	22	3	TPK..1603	RO1404	mm4
RK90TPK16063MZ4R	63	50	22	4	TPK..1603	RO1404	mm4
RK90TPK16080MZ5R	80	50	27	5	TPK..1603	RO1404	mm4
RK90TPK16100MZ6R	100	50	32	6	TPK..1603	RO1404	mm4
RK90TPK16125MZ6R	125	63	40	6	TPK..1603	RO1404	mm4



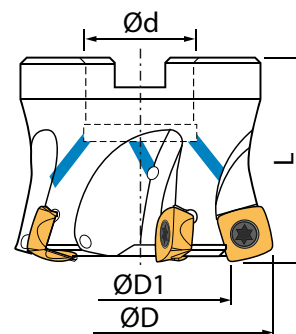
SCHULTERFRÄSER 90°
FRESE PER SPIANATURE 90°
SHOULDER MILLING CUTTERS 90°



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



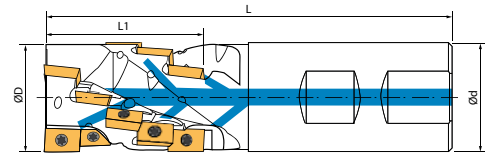
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	L	M	Ø d h6	Z			
RKZDSD12035M16WZ3R	35	17	40	16	17	3	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12042M16WZ4R	42	24	40	16	17	4	SD..1205 ZDTN-R15	RKM4011	T15



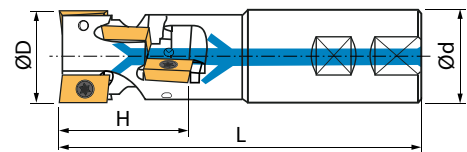
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	H	Ø d H7	Z			
RKZDSD12042MWZ4R	42	24	45	16	4	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12052MWZ5R	52	34	50	22	5	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12066MWZ5R	66	48	50	27	5	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12080MWZ6R	80	62	70	27	6	SD..1205 ZDTN-R15	RKM4011	T15
RKZDSD12100MWZ8R	100	82	70	32	8	SD..1205 ZDTN-R15	RKM4011	T15



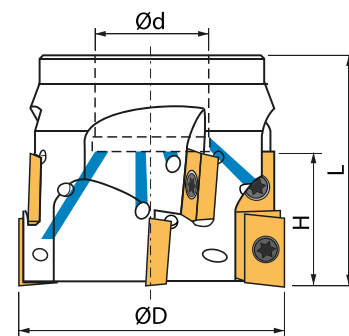
SCHRUPP-WENDELFRÄSER
FRESE A RICCIO
HELICAL MILLING CUTTERS



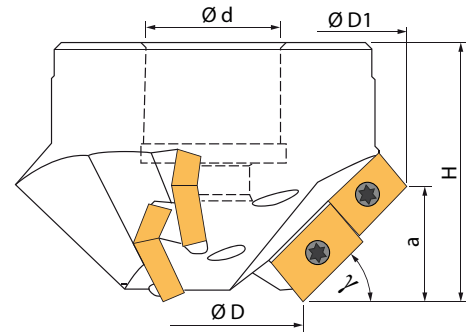
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	INSERTS	R			
RK90RAP10025WW0208	25	36	100	25	8	2	AP..1003	RKM2506	T08
RK90RAP10032WW0315	32	45	120	32	15	3	AP..1003	RKM2506	T08



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

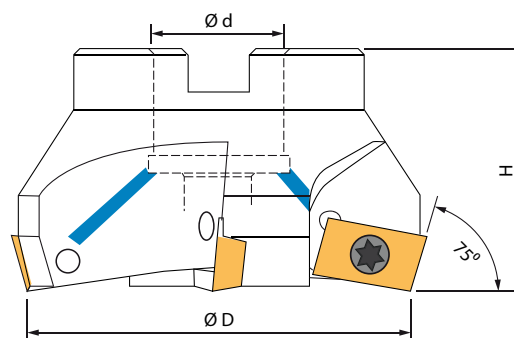
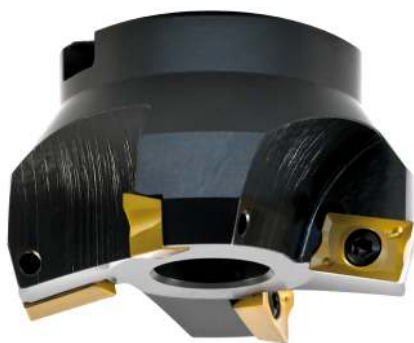


BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø D1	a	H	Ø d H7	γ	Z			
RK15AP16035MZ3+3R	35	95,5	7,5	50	27	15	3+3	AP..1604	RKM4010	T15
RK30AP16035MZ3+3R	35	88	15	50	27	30	3+3	AP..1604	RKM4010	T15
RK45AP16035MZ3+3R	35	78	21	50	27	45	3+3	AP..1604	RKM4010	T15
RK60AP16035MZ3+3R	35	65	25,5	50	27	60	3+3	AP..1604	RKM4010	T15
RK75AP16035MZ3+3R	35	50,5	29	60	22	75	3+3	AP..1604	RKM4010	T15

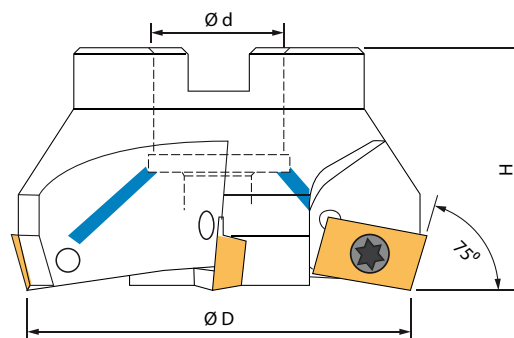




SCHULTERFRÄSER 75°
FRESE PER SPIANATURE 75°
SHOULDER MILLING CUTTERS 75°



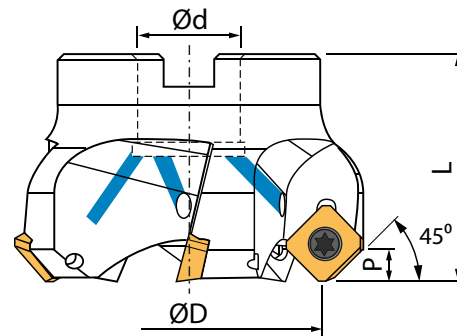
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK75AD15063MWZ4R	63	40	22	4	ADKT1505	RKM4010	T15
RK75AD15080MWZ5R	80	50	27	5	ADKT1505	RKM4010	T15
RK75AD15100MWZ6R	100	50	32	6	ADKT1505	RKM4010	T15



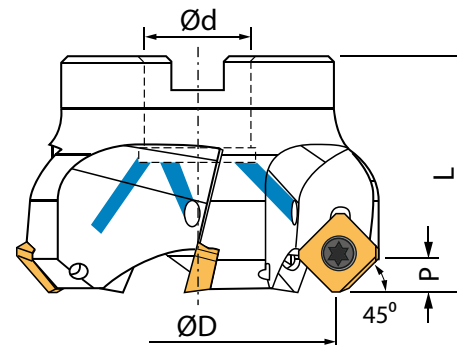
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	Z			
RK75AP16063MWZ4R	63	40	22	4	AP..1604	RKM4010	T15
RK75AP16080MWZ5R	80	50	27	5	AP..1604	RKM4010	T15
RK75AP16100MWZ6R	100	50	32	6	AP..1604	RKM4010	T15



SCHULTERFRÄSER 45°
FRESE PER SPIANATURE 45°
SHOULDER MILLING CUTTERS 45°



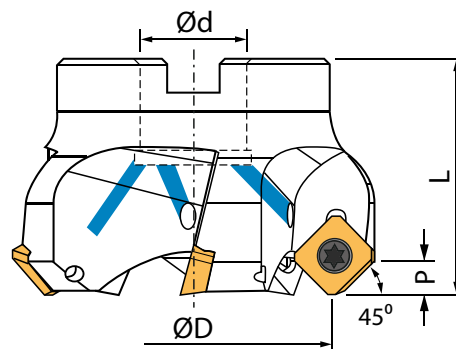
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SD12050MWZ4R	50	45	22	6	4	SDKT 1204	RKM4510	T20
RK45SD12063MWZ5R	63	45	22	6	5	SDKT 1204	RKM4510	T20
RK45SD12080MWZ6R	80	50	27	6	6	SDKT 1204	RKM4510	T20
RK45SD12100MWZ7R	100	55	32	6	7	SDKT 1204	RKM4510	T20
RK45SD12125MZ8R	125	63	40	6	8	SDKT 1204	RKM4510	T20

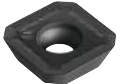


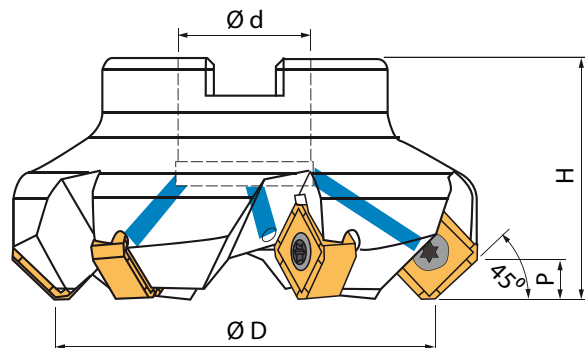
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SE12040MWZ3R	40	40	16	6	3	SE..1204	RKM5009	T20
RK45SE12050MWZ4R	50	48	22	6	4	SE..1204	RKM5010	T20
RK45SE12063MWZ5R	63	48	22	6	5	SE..1204	RKM5010	T20
RK45SE12080MWZ6R	80	50	27	6	6	SE..1204	RKM5010	T20
RK45SE12100MWZ6R	100	50	32	6	6	SE..1204	RKM5010	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°



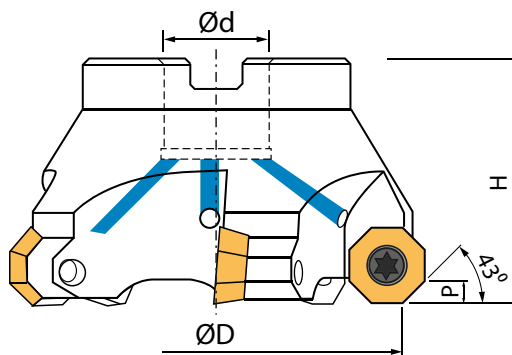
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SE13T3040MWZ3R	40	40	16	6	3	SE..13T3	RKM3509	T15
RK45SE13T3050MWZ4R	50	48	22	6	4	SE..13T3	RKM3512	T15
RK45SE13T3063MWZ5R	63	48	22	6	5	SE..13T3	RKM3512	T15
RK45SE13T3080MWZ6R	80	50	27	6	6	SE..13T3	RKM3512	T15
RK45SE13T3100MWZ6R	100	50	32	6	6	SE..13T3	RKM3512	T15
RK45SE13T3125MZ7R	125	63	40	6	7	SE..13T3	RKM3512	T15
RK45SE13T3160MZ8R	160	63	40	6	8	SE..13T3	RKM3512	T15



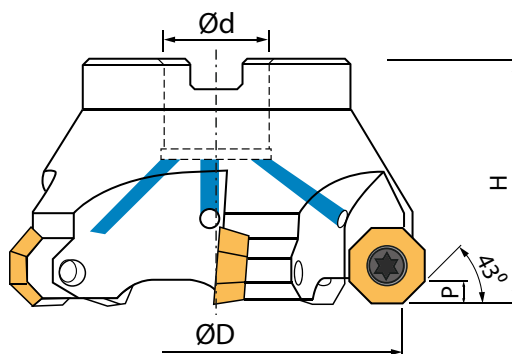
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK45SN12050MWZ4R	50	40	22	7	4	SNMX 1205/06	RKMSN4010	T15
RK45SN12063MWZ6R	63	40	22	7	6	SNMX 1205/06	RKMSN4010	T15
RK45SN12080MWZ7R	80	50	27	7	7	SNMX 1205/06	RKMSN4010	T15
RK45SN12100MWZ8R	100	50	32	7	8	SNMX 1205/06	RKMSN4010	T15
RK45SN12125MZ10R	125	63	40	7	10	SNMX 1205/06	RKMSN4010	T15



SCHULTERFRÄSER 43°
FRESE PER SPIANATURE 43°
SHOULDER MILLING CUTTERS 43°



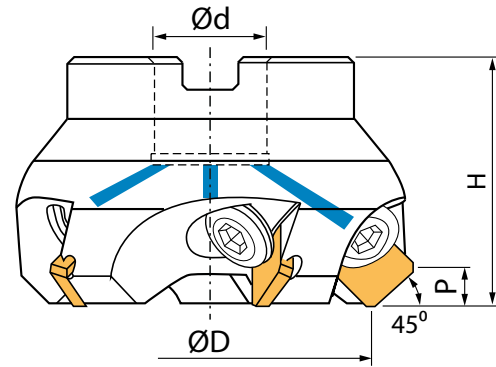
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK43OF05032MWZ3R	32	40	16	3,5	3	OF.. 05T3	RKM4010	T15
RK43OF05040MWZ3R	40	40	16	3,5	3	OF.. 05T3	RKM4010	T15
RK43OF05050MWZ4R	50	40	22	3,5	4	OF.. 05T3	RKM4010	T15
RK43OF05050MWZ5R	50	40	22	3,5	5	OF.. 05T3	RKM4010	T15
RK43OF05063MWZ5R	63	40	22	3,5	5	OF.. 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



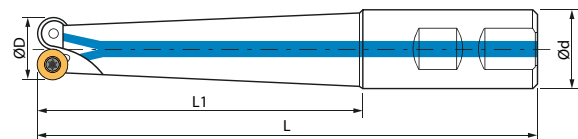
PLANFRÄSER 45°
FRESE PER SPIANATURE 45°
FACE MILLING CUTTERS 45°



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



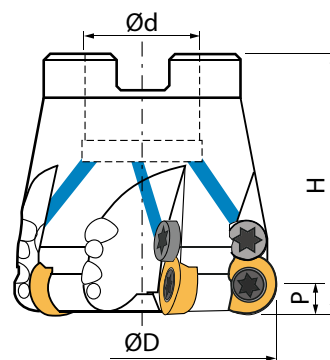
TORIC-FRÄSER ZUM KOPIEREN
FRESE TORICHE PER COPIATURA
TORIC CUTTERS FOR COPYING



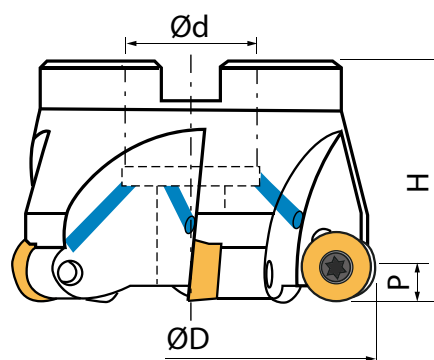
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L1	L	Ø d h6	Z			
RK00RD07016WWZ2R	16	90	140	20	2	RD..0702	RKM250	T07
RK00RD10020WWZ2R	20	104	160	25	2	RD..1003	RKM350	T15
RK00RD10025WWZ2R	25	104	160	25	2	RD..1003	RKM358	T15



TORIC-FRÄSER ZUM PLANEN UND KOPIEREN
FRESE TORICHE PER SPIANATURE E COPIATURE
TORIC MILLING CUTTERS FOR FACING AND COPYING



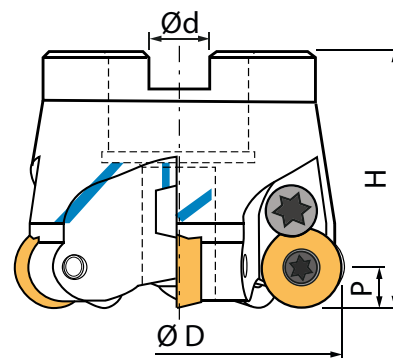
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z				
RK00RD12T3040MWZ4R	40	40	16	6	4	RD..12T3	RKM358	-	T15
RK00RD12T3050MWZ5R	50	50	22	6	5	RD..12T3	RKM358	OM3505	T15
RK00RD12T3052MWZ4R	52	50	22	6	4	RD..12T3	RKM358	OM3505	T15
RK00RD12T3052MWZ5R	52	50	22	6	5	RD..12T3	RKM358	OM3505	T15
RK00RD12T3063MWZ6R	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



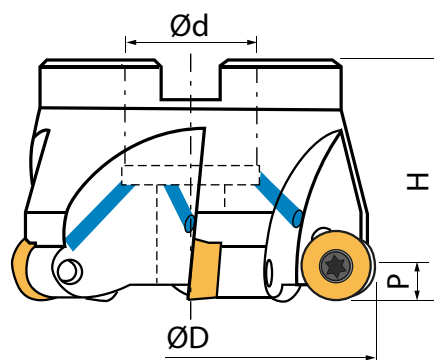
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK00RD1204040MWZ4R	40	40	16	6	4	RD..1204	RKM4010	T15
RK00RD1204050MWZ4R	50	50	22	6	4	RD..1204	RKM4010	T15
RK00RD1204052MWZ5R	52	50	22	6	5	RD..1204	RKM4010	T15
RK00RD1204063MWZ5R	63	50	27	6	5	RD..1204	RKM4010	T15
RK00RD1204080MWZ6R	80	50	27	6	6	RD..1204	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



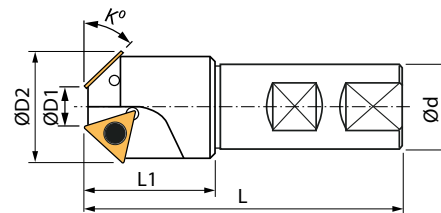
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z					
RK00RD16050MWZ4R	50	50	22	8	4	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16052MWZ4R	52	50	22	8	4	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16063MWZ5R	63	50	27	8	5	RD..1604	RKM4511	RO1104	RKM4511	T20
RK00RD16066MWZ5R	66	50	27	8	5	RD..1604	RKM4511	RO1104	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



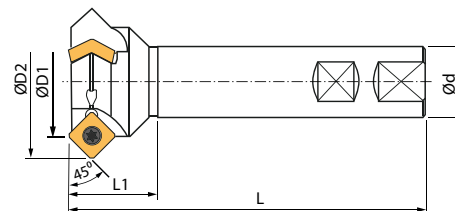
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	H	Ø d H7	P	Z			
RK00RP12040MWZ4R	40	40	16	6	4	RP..1204	RKM4010	T15
RK00RP12050MWZ4R	50	50	22	6	4	RP..1204	RKM4010	T15
RK00RP12052MWZ4R	52	50	22	6	4	RP..1204	RKM4010	T15
RK00RP12063MWZ5R-22	63	50	22	6	5	RP..1204	RKM4010	T15
RK00RP12063MWZ5R-27	63	50	27	6	5	RP..1204	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**



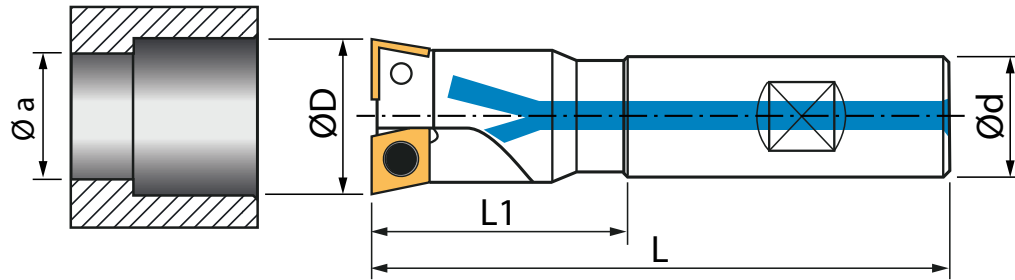
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D1	Ø D2	L1	L	Ø d h6	K	Z			
RK30TC16032WZ2R	6	32	39	95	20	30	2	TC..16T3	RKM4010	T15
RK45TC11016WZ1R	1,8	15,5	20	70	12	45	1	TC..1102	RKM250	T07
RK45TC11021WZ2R	6	19,5	35	90	20	45	2	TC..1102	RKM250	T07
RK45TC16020WWZ1R	0	20	45	95	20	45	1	TCMX 16T3	RKM4010	T15
RK45TC16325WWZ2R	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



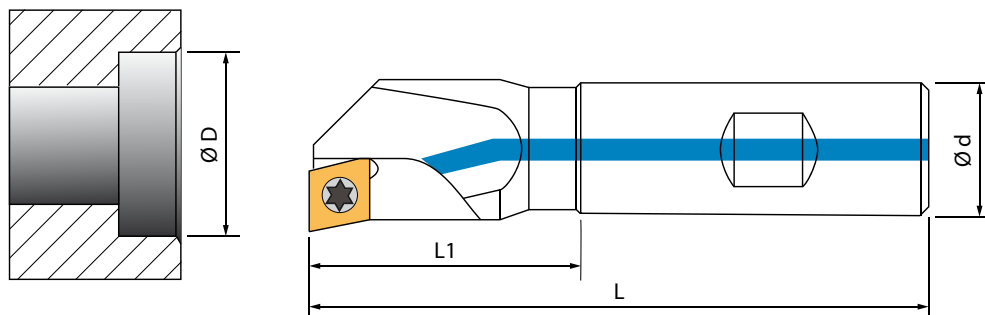
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	L	M	Ø d h6	Z	R			
RK45SC09012WZ1R	12	23,7	100	25	20	1	SC..09T3	RKM4010	T15
RK45SC09016WZ2R	16	28,8	100	35	20	2	SC..09T3	RKM4010	T15
RK45SC09030WZ3R	30	42,3	100	35	25	3	SC..09T3	RKM4010	T15
RK45SC09012WLZ1R	12	23,7	200	25	20	1	SC..09T3	RKM4010	T15
RK45SC09016WLZ2R	16	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**



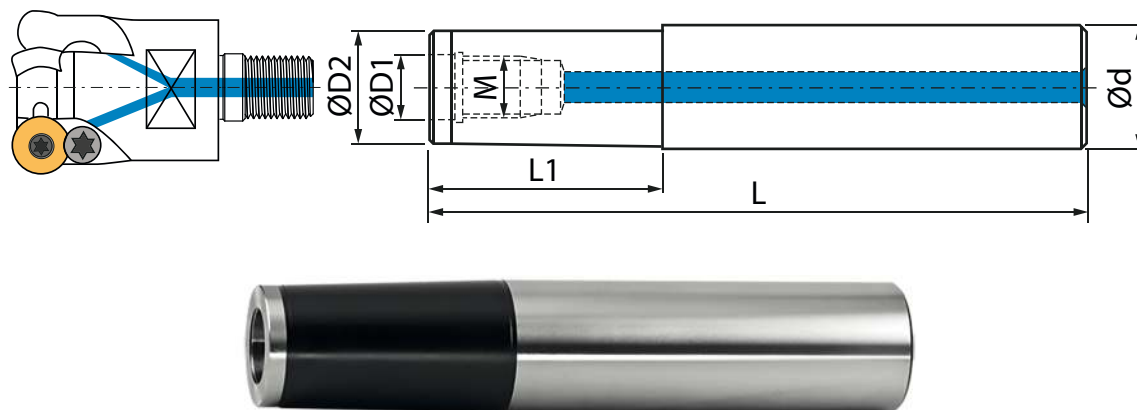
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø a	L1	L	Ø d h6	Z			
RK18CC06015WWZ1R	15	5	30	85	12	1	CC.. 0602	RKM250	T07
RK18CC06016WWZ2R	16	5	30	92	12	2	CC.. 0602	RKM250	T07
RK18CC06017WWZ2R	17	6	32	94	16	2	CC.. 0602	RKM250	T07
RK18CC06175WWZ2R	17,5	6,5	40	96	16	2	CC.. 0602	RKM250	T07
RK18CC06018WWZ2R	18	7	41	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



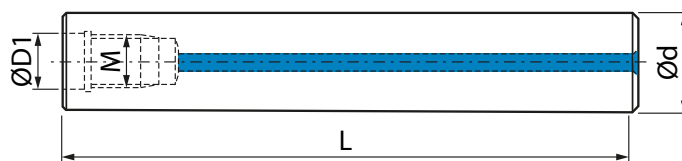
STAHLVERLÄNGERUNGEN FÜR EINSCHRAUBFRÄSER
PROLUNGHE IN ACCIAIO PER ATTACCHI FILETTATI
STEEL EXTENSIONS FOR SCREW-IN MILLING CUTTER



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
RKPRMD12M06-100	12	6	100	6.5
RKPRMD12M06-150	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

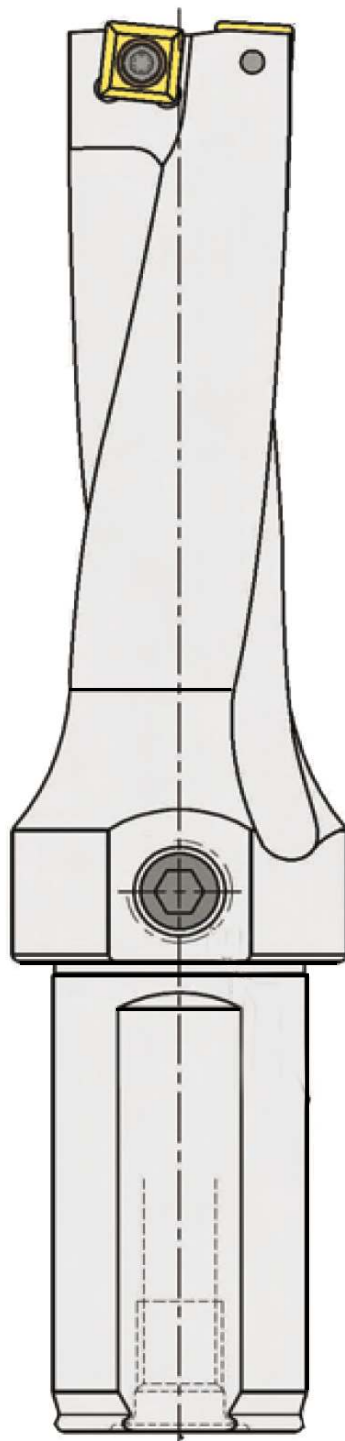




Vollbohrer für Wendeschneisplatten

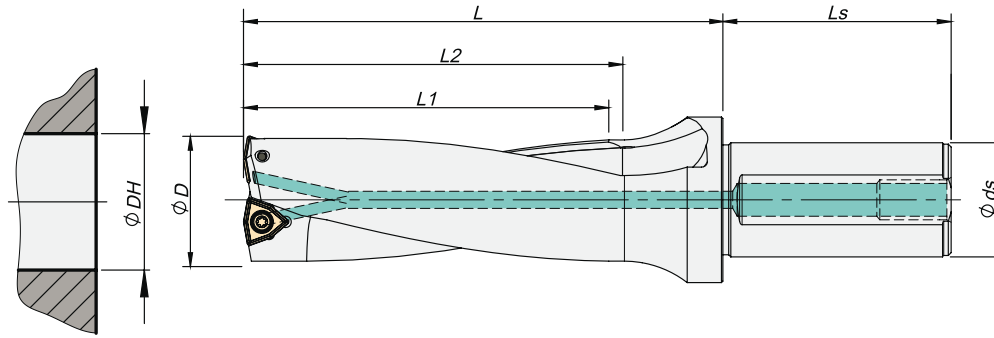
Punte ad inserti

Full drill bits for inserts





VOLLBOHRER FÜR WEDESCHNEISPLATTEN
PUNTE AD INSERTI
FULL DRILL BITS FOR INSERTS



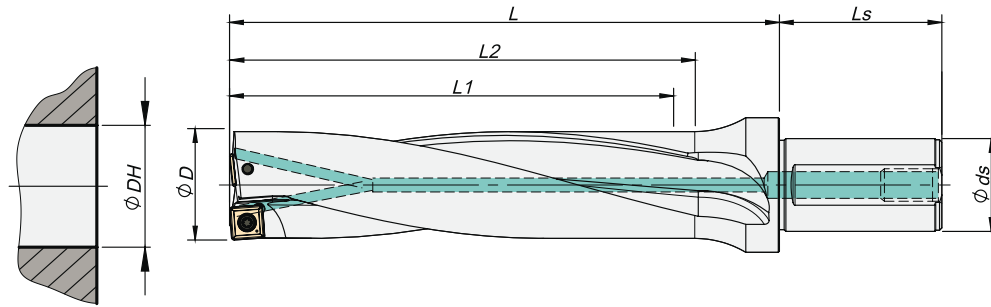
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKWCV 13020-3D	13	20	39	42	62	WC.. 02T104	P0180500	T06
RKWCV 13520-3D	13,5	20	41	44	64	WC.. 02T104	P0180500	T06
RKWCV 14020-3D	14	20	42	45	65	WC.. 02T104	P0180500	T06
RKWCV 14520-3D	14,5	20	44	47	67	WC.. 02T104	P0180500	T06
RKWCV 15020-3D	15	20	45	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	11	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





VOLLBOHRER FÜR WEDESCHNEISPLATTEN
PUNTE AD INSERTI
FULL DRILL BITS FOR INSERTS



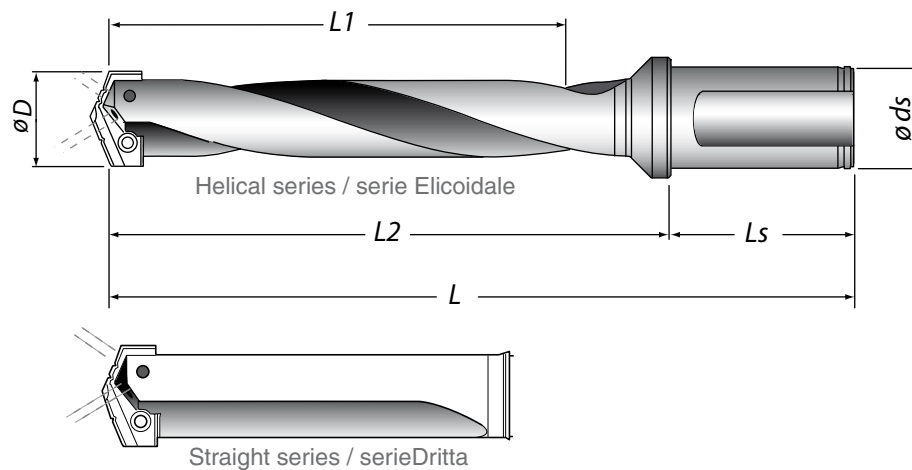
BESTELL.-NR. ARTICOLO ORDER NR.	Ø D	Ø d h6	L1	L2	L			
RKSPV 13020-3D	13	20	39	42	62	SP.. 050204	P0200500	T06
RKSPV 13520-3D	13,5	20	41	44	64	SP.. 050204	P0200500	T06
RKSPV 14020-3D	14	20	42	45	65	SP.. 050204	P0200500	T06
RKSPV 14520-3D	14,5	20	44	47	67	SP.. 050204	P0200500	T06
RKSPV 15020-3D	15	20	45	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	Cubic Boron Nitride grade for finishing of hardened steel and cast iron.
RKHPCD	N01 - N20	PCD	Polycrystalline Diamond 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 non ricoperto	Uncoated 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		





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																																											
RKHC705																																											
RKHC740																																											
RKHCBN																																											
RKHPCD																																											
RKH910																																											





FRÄSEINSÄTZE ISO IDENTIFIKATIONSSYSTEM SISTEMA IDENTIFICATIVO ISO PER INSERTI FRESATURA MILLING INSERTS ISO IDENTIFICATION SYSTEM

H		M	
O		V	
P		W	
S		L	
T		A	
C		B	
D		K	
E		R	
F		X	Special Geometries

Symbol for insert shape

Triangular insert with a facet (secondary cutting edge).			
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

Detailed dimension of M class insert
Tolerances of insert height (mm)

Inscribed circle					
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)

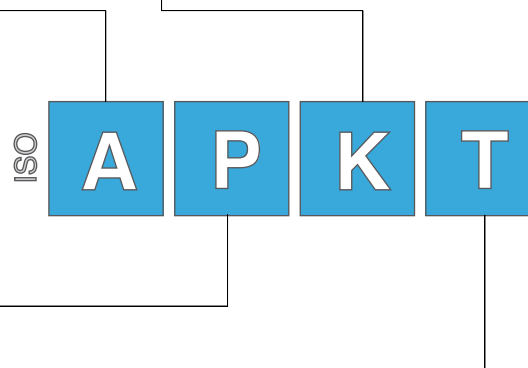
Inscribed circle						
6.35	±0.05	-	-	-	-	-
9.525	±0.05	±0.05	±0.05	±0.05	±0.05	±0.05
12.70	±0.08	±0.08	±0.08	±0.08	-	±0.08
15.875	±0.10	±0.10	±0.10	±0.10	-	±0.10
19.05	-	-	-	-	-	±0.10
25.40	-	±0.13	-	-	-	±0.10
31.75	-	±0.20	-	-	-	±0.12

* 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	Other clearance angle

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



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	

Symbol for insert size

* 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

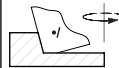
symbol for insert thickness

16 04 08 PD T R

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	2.078	.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°

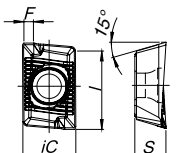
Cutting Edge condition		
Shape	Honing	Symbol
	No honing	F
	With honing	E
	Chamfred no honing	T
	Chamfred with honing	S
* We use handing symbols (R.L.) only, omitting honing symbols		

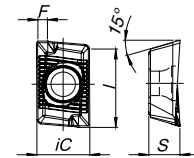
Direction of cutting		
Shape	Hand	Symbol
	Right	R
	Left	L
	None	N



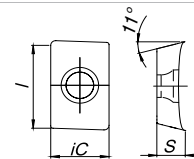
WECHSELPLATTEN FÜR FRÄSEN
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

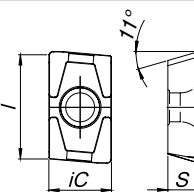
ISO CODICE / Code		GRADI / Grades																														
		P							M			K															N		S		H	
		RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKHX910	RKHPCD						RKH910	RKHP920	RKHP740	RKHP103	RKHCBN	
																																
ADKT 1505 PDR																																
ADKT 1505 PDSR																																
ADKT 1505 PDTR																																
																																
APEX 1003 PD FR VA																																
APHT 1003 - Alu																																
APEX 1604 PD FR VA																																
APHT 1604 - Alu																																
																																
APFT 1604 PDER V1																																
																																
APKT 100305 PDER-X1																																
APKT 100305 PDSR-X1																																
APKT 100308 PDER-X																																
APKT 100308 PDTR-X																																
APKT 100308 PDSR-X																																
APKT 100312 PDER-X																																
APKT 100312 PDTR-X																																
APKT 100312 PDSR-X																																
APKT 160408 PDER-X1																																
APKT 160408 PDSR-X1																																
APKT 160408 PDSR																																
APKT 160408 PDTR																																
APKT 160416 PDER-X																																
APKT 160416 PDSR-X																																
APKT 160416 PDTR-X																																
APKT 160432 PDER-X																																
APKT 160432 PDSR-X																																
APKT 160432 PDTR-X																																



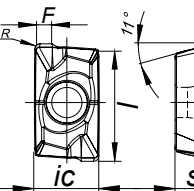
9,54	5,63	15,7	-	1,6
9,54	5,63	15,7	-	1,6
9,54	5,63	15,7	-	1,6



6,70	3,18	10,3	-	-
6,70	3,18	10,3	-	-
9,52	4,76	16,4	-	-
9,52	4,76	16,4	-	-



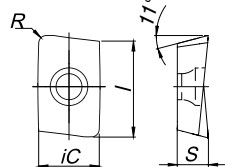
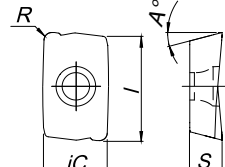
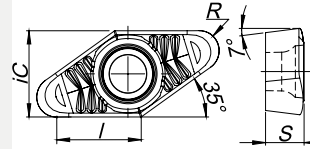
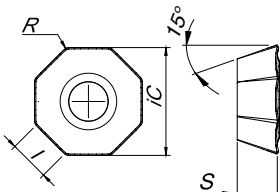
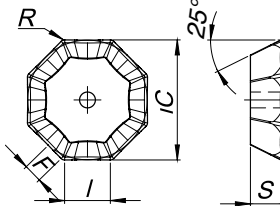
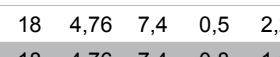
9,52	4,76	16,4	-	-
------	------	------	---	---



6,70	3,5	10	0,5	1,2
6,70	3,5	10	0,5	1,2
6,70	3,5	10	0,8	0,9
6,70	3,5	10	0,8	0,9
6,70	3,5	10	0,8	0,9
6,70	3,5	10	1,2	-
6,70	3,5	10	1,2	-
6,70	3,5	10	1,2	-
9,45	5,35	16	0,8	1,76
9,45	5,35	16	0,8	-
9,45	5,35	16	0,8	1,76
9,45	5,35	16	0,8	1,76
9,45	5,35	16	1,6	1,20
9,45	5,35	16	1,6	1,20
9,45	5,35	16	1,6	1,20
9,45	5,35	16	3,2	-
9,45	5,35	16	3,2	-
9,45	5,35	16	3,2	-

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

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						RKH910	RKHPCD	RKH910	RKHP920	RKHP740	RKHP103	RKHCBN		
			●					●				●																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	-
			●					●				●									●							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
																				●							12,7	5,60	12,7	3,00	-	
			●					●				●																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	-
			●									●									●							18	4,76	7,4	0,5	2,2
OFKR 070408 TN-MP			●					●				●									●							18	4,76	7,4	0,8	1,6

● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

[illegible]

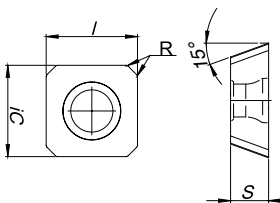
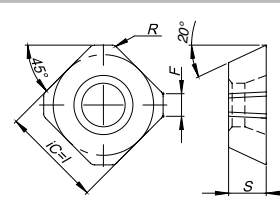
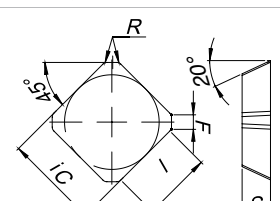
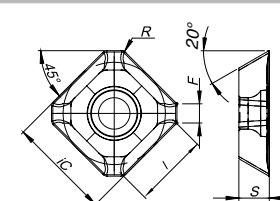
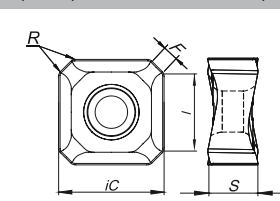
● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

		GRADI / Grades																															
		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	IC	S	L	R	F		
ISO CODICE / Code																																	
																																	
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 **INSERTI DI FRESATURA INTERCAMBIABILI** **INTERCHANGEABLE MILLING INSERTS**

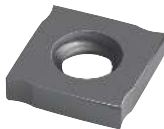
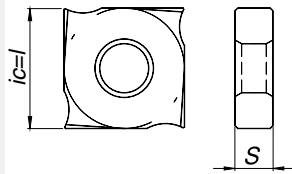
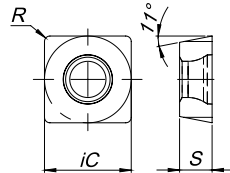
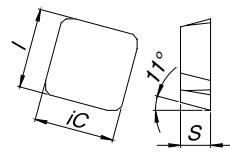
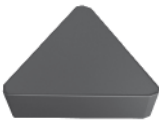
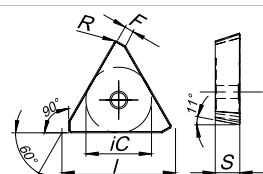
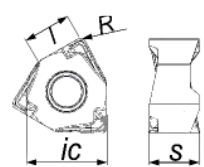
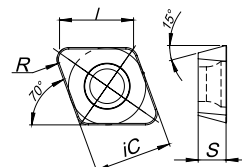
● = ARTICOLI IN STOCK - STOCK ITEMS / ● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST

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									
																																			
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
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

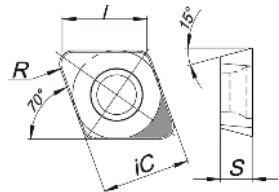
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		GRADI / Grades																														
		P							M	K							N	S	H													
		RKHP103	RKHP910	RKHP920	RKHP930	RKHP740	RKHP125	RKHP135	RKHP920	RKHP930	RKHP740	RKHP910	RKHP920	RKHP930	RKHP740	RKHP705	RKHP325	RKHC705	RKHC740	RKH910	RKHPCD	RKH910	RKHP920	RKHP740	RKHP103	RKHCBN	IC	S	L	R	F	
ISO CODICE / Code																																
																																
SNHX 1203 XX TA																											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	-	-	
																																
SPMT 120408-MP																											12,7	4,76	-	0,8	-	
SPMW 120408																											12,7	4,76	-	0,8	-	
																																
SPKN 1203 EDTR																											12,7	3,18	12,7	-	-	
																																
TPKN 1603 PDER																											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	
																																
XNEX 080608																											12,5	6,47	7,5	0,8	-	
																																
XDHW 040110																											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	-	



WECHSELPLATTEN FÜR FRÄSEN
INSERTI DI FRESATURA INTERCAMBIABILI
INTERCHANGEABLE MILLING INSERTS

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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		
																																	
XDHW 040110 FN																												4,0	2,38	4,0	1,0	-	
XDHW 040110 TN																												4,0	2,38	4,0	1,0	-	
XDHW 060210 FN																												6,5	2,38	6,2	1,0	-	
XDHW 060210 TN																												6,5	2,38	6,2	1,0	-	
XDHW 10T310 FN																												10	3,97	9,9	1,0	-	
XDHW 10T310 TN																												10	3,97	9,9	1,0	-	
																																	
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																																	

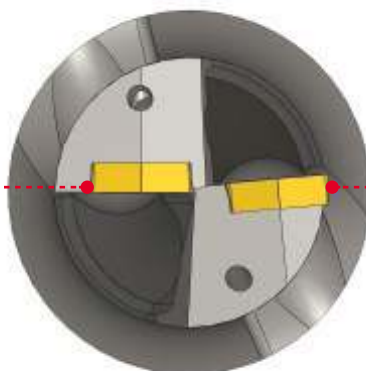


WECHSELPLATTEN FÜR FRÄSEN INSERTI DI FRESATURA INTERCAMBIABILI INTERCHANGEABLE MILLING INSERTS

● = 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	RKH910	RKHPCD	RKH910	RKHP920	RKHP740	RKHP103	RKHCBN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

Lega raccomandata inserto interno
Inside recommended grade
- VHP930 -



Lega raccomandata inserto esterno
Outside recommended grade
- VHP920 -

NOTA / Note:

Questa raccomandazione deve essere applicata su acciai altamente legati, acciai inossidabili e materiali HRSA.

This recommendation should be applied on High Alloy Steels, Stainless Steels and HRSA materials.

H		M	
O		V	
P		W	
S		L	
T		A	
C		B	
D		K	
E		R	
F		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.

Symbol for tolerances

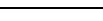
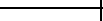
A	B	C	D	E
F	G	N	P	O
				Other clearance angle

Symbol for normal Clearance

ISO

C	N	M	G
---	---	---	---

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	With-out 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	With-out Hole	-	Chipbreaker on one side	
U	With Hole		Chipbreaker on both sides		A	With Hole	Round hole	Without chipbreaker		F	With-out 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

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	2.078	.109	7
32	3.18	.125	8
	Round insert		0

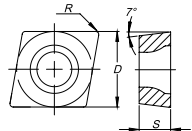
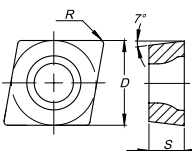
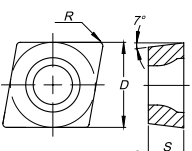
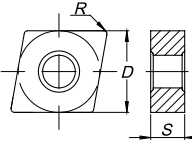
Per la scelta delle geometrie vedere a pag 77
To choose your geometry look on pag 77

Chipbreaker geometries			
Geometria Rompitrucciolo inserti Negativi Negative chip breakers Geometry			
P1	P2	P3	
KF	K1	K2	K3
M1	M2	N1	
Geometria Rompitrucciolo inserti Positivi Positive chip breakers Geometry			
VP1	VP2		
VM1	VM2		
VK1	VK2		
VM1	VK2	VN	



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
							●																						
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

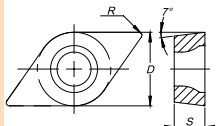
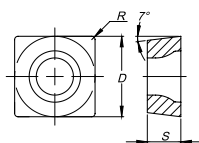
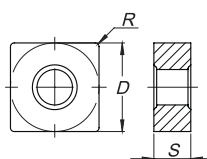
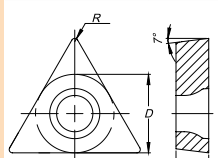
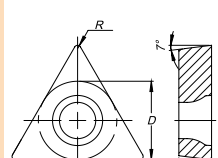
● = ARTICOLI IN STOCK - STOCK ITEMS

● = DISPONIBILE SU RICHIESTA - AVAILABLE UNDER REQUEST



AUSTAUSCHBARE DREHEINWENDEPLATEN
INSERTI DI TORNITURA INTERCAMBIABILI
INTERCHANGEABLE TURNING INSERTS

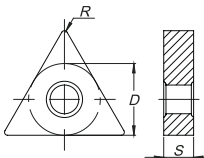
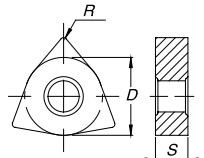
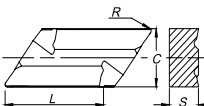
GRADI / Grades

	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	
																															
DCMT 11T304-VP2							●																						9,52	3,97	0,4
DCMT 11T308-VP2							●																						9,52	3,97	0,8
DCMT 11T312-VP2							●																						9,52	3,97	1,2
																															
SCMT 09T304-VP2							●																						9,52	3,97	0,4
SCMT 09T308-VP2							●																						9,52	3,97	0,8
SCMT 120404-VP2							●																						12,7	4,76	0,4
SCMT 120408-VP2							●																						12,7	4,76	0,8
																															
SNMG 120408-P3							●																						12,7	4,76	0,8
SNMG 120412-P3							●								●														12,7	4,76	1,2
																															
TCMT 110204-VP2							●																						6,35	2,38	0,4
TCMT 110208-VP2							●																						6,35	2,38	0,8
TCMT 16T304-VP2							●																						9,52	3,97	0,4
TCMT 16T308-VP2							●																						9,52	3,97	0,8
																															
TCGT 090204-VN																						●							5,56	2,38	0,4
TCGT 110202-VN																						●							6,35	2,38	0,2
TCGT 110204-VN																						●							6,35	2,38	0,4
TCGT 16T302-VN																						●							9,52	3,97	0,2
TCGT 16T304-VN																						●							9,52	3,97	0,4
TCGT 16T308-VN																						●							9,52	3,97	0,8



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		
																																
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											
		Grade f _n (mm/rot)	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
P	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								
		Grade f _n (mm/rot)	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 Austenenitic-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
M	Ferritic/martensitic - Ferritico / Martensitico Austenitic - Austenitico Austenenitic-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

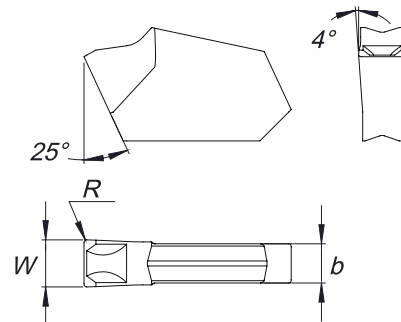
ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	CVD Coating - Ricoprimento CVD								
		Grade f _n (mm/rot)	VHC705			VHC320			VHC740		
			0,2	0,4	0,6	0,2	0,4	0,6	0,2	0,4	0,6
K	Malleable cast iron - Ghisa malleabile Grey cast iron - Ghisa grigia Nodular cast iron - Ghisa Nodulare	130-230 180-220 160-380	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								
		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
K	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		
		Grade f _n (mm/rot)	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

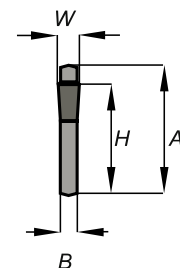
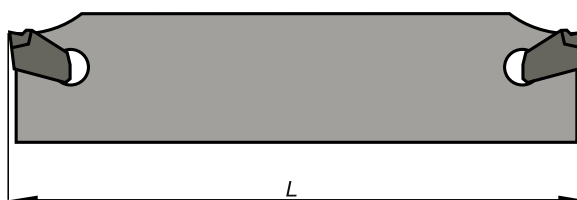
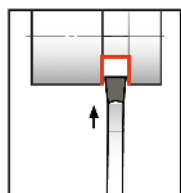
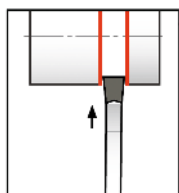
ISO	MATERIAL - Tipo di Acciaio	HB (Brinell)	PVD Coating - Ricoprimento PVD											
		Grade f _n (mm/rot)	VHP910			VHP705			VHP920			VHP325		
			0,1	0,3	0,5	0,1	0,3	0,5	0,1	0,3	0,5	0,1	0,3	0,1
S	Super alloys Iron base - Leghe a base di acciaio Super alloys Nickel base - Leghe a base di Nickel Super 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 17-35 100-135	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 <i>Code</i>	GRADI / <i>Grades</i>											
	P		M		K							
	RKHC115	RKHC135	RKHC115	RKHC135	RKHC320	RKHC135	Dimensioni <i>Dimension</i> (mm)			Parametri di Taglio <i>Cutting Condition</i>		
							<i>w</i>	<i>R</i>	<i>b</i>	<i>Fn</i> (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



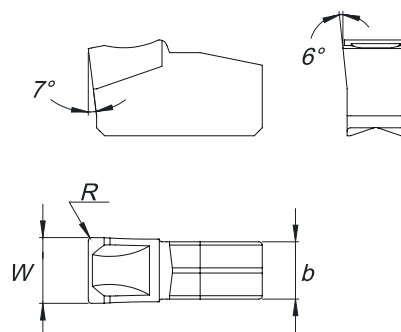
Riferimento Articolo <i>Code</i>	Dimensioni / <i>Dimension</i>					Inserto <i>Insert</i>	Key	Stock
	<i>A</i>	<i>W</i>	<i>H</i>	<i>B</i>	<i>L</i>			
RKTGLX 2 - 19	19	2	16	1,6	85	RKTMX-2N	5 m/m	●
RKTGLX 2 - 26	26	2	21,4	1,6	110	RKTMX-2N	5 m/m	●
RKTGLX 3 - 26	26	3	21,4	2,4	110	RKTMX-3N	5 m/m	●
RKTGLX 4 - 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*

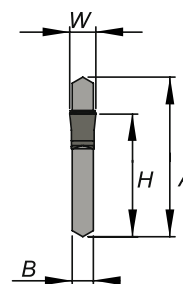
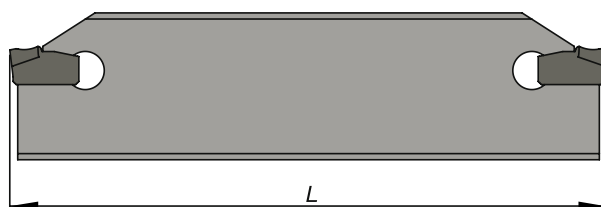
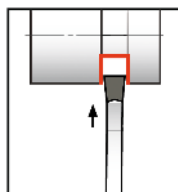
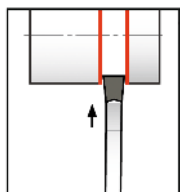
● = DISPONIBILE SU RICHIESTA - *AVAILABLE UNDER REQUEST*



INSERTO - Insert Type: RKTAR - ..N



Riferimento Articolo <i>Code</i>	GRADI / <i>Grades</i>											
	P		M		K							
	RKHC115	RKHC135	RKHC115	RKHC135	RKHC320	RKHC135	Dimensioni <i>Dimension</i> (mm)			Parametri di Taglio <i>Cutting Condition</i>		
							<i>w</i>	<i>R</i>	<i>b</i>	Fn (mm/rev)	Min	Max
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	RKHX910	N1	RKHX910	-	-

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	RKHX705	RKK2	RKHX705
N	30-130	RKN	RKHX910	RKN	RKHX910