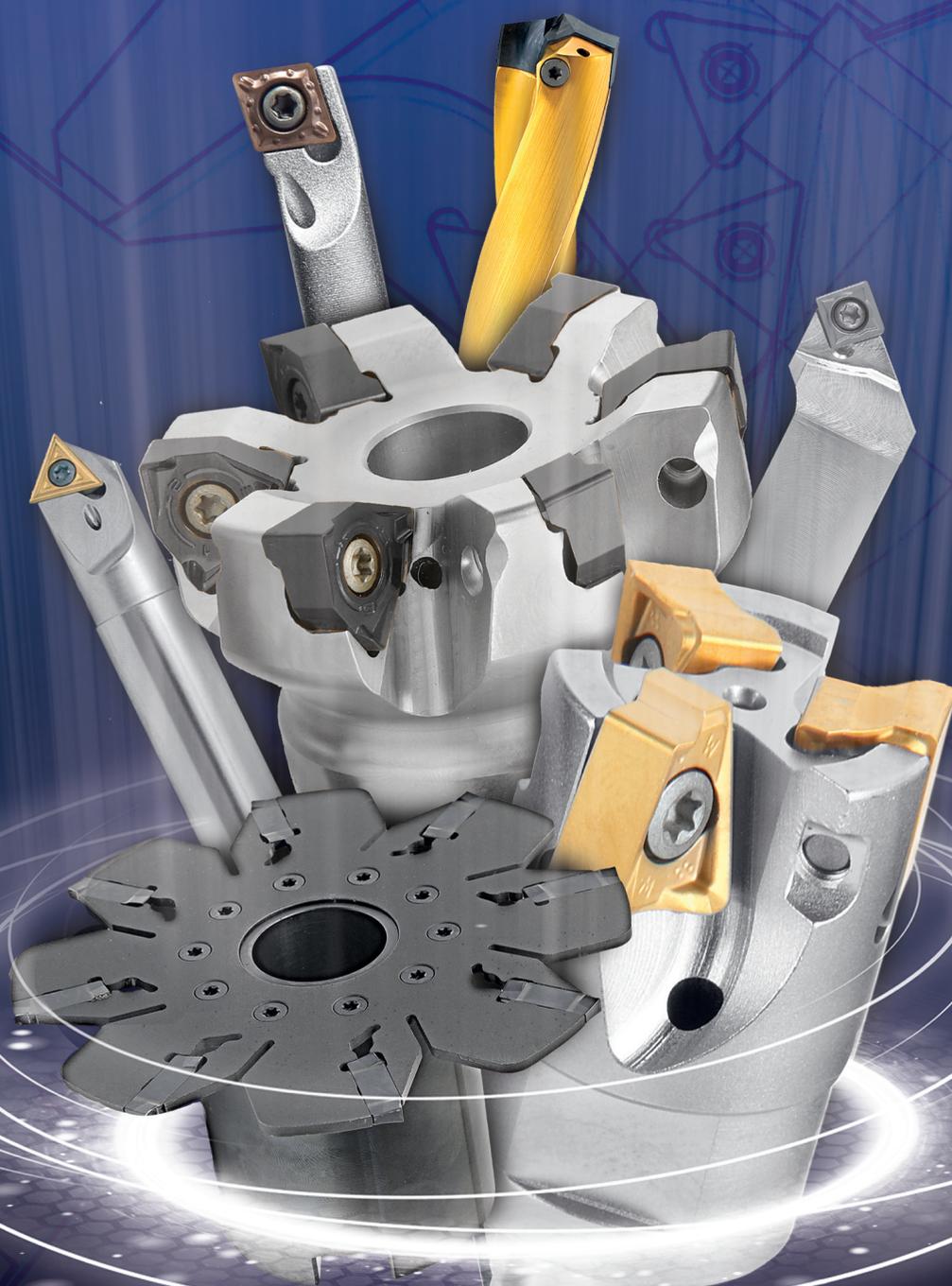




HIGH QUALITY TOOLS

CATALOGO 2023-2024



The background is a technical drawing of a mechanical part, likely a bracket or a housing, rendered in a light blue color on a darker blue background. The drawing includes various geometric features such as a circular hole, a chamfered edge, and several mounting holes. Dimensions are provided in millimeters: 80 at the top right, 16.9 on the right side, 1x45° at the bottom left, 3.1, 1, and 14.48 along the bottom edge, and ø6 at the bottom right. The word "MILLING" is centered in a bold, white, sans-serif font.

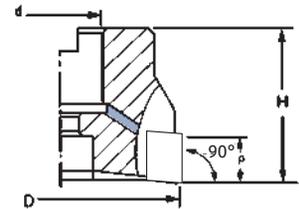
MILLING

FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS

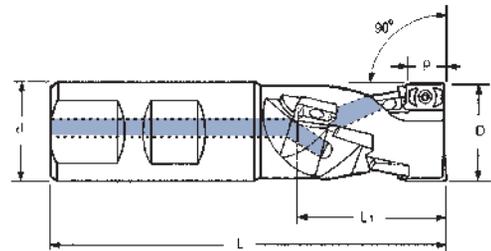
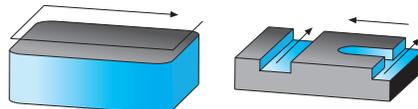
ALTO AVANZAMENTO
HOCHVORSCHUB
HIGH FEED



741 C / W.N	↔ (mm)						APKT APMX 0602...	VT18	BT06	KG	STOCK	PRICELIST
	D	d	L	L1	p	Z						
741C W D10/2 N	10	10	80	28	5,2	2			0,060	●		
741C W D12/3 N	12	12	80	30	5,2	3			0,080	●		
741C W D14/3 N	14	12	85	32	5,2	3			0,120	●		
741W W D16/4 N	16	16	85	35	5,2	4			0,160	●		
741W W D18/4 N	18	16	90	38	5,2	4			0,170	●		
741W W D20/5 N	20	20	90	40	5,2	5			0,300	●		
741W W D25/7 N	25	25	106	50	5,2	7			0,320	●		
741W W D32/8 N	32	25	124	64	5,2	8			0,560	●		



741 M.N	↔ (mm)					APKT APMX 0602...	VT18	BT06	KG	STOCK	PRICELIST
	D	d	H	p	z						
741M W D32/8 N	32	16	40	5,2	8			0,250	●		
741M W D40/10 N	40	16	40	5,2	10			0,270	●		
741M W D50/11 N	50	22	40	5,2	11			0,430	●		



941 W	↔ (mm)						Fattore K	Z	APKT 0602...	VT18	BT06	KG	STOCK	PRICELISTV
	D	dh6	L	L1	p	Z								
941W W D16	16	16	80	19,8	5,2	2	8				0,160	●		
941W W D20	20	20	90	24,6	5,2	3	15				0,300	●		
941W W D25	25	25	100	29,4	5,2	5	30				0,320	●		

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



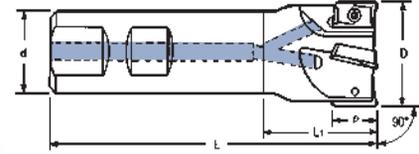
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS



ART. 740 W



ART. 740 W ECO

740 W
740 W ECO

	↔ (mm)														
	D	d	L	L1	p	β	z				KG		STOCK	PRICELIST	V
740W W D10/1	10	16	80	28	10	11,0°	1	APHT APHX APKT 1003...	VT25	BT08	0,100	●	●		
740W W D11/1	11	16	80	28	10	11,0°	1				0,100	●	●		
740W W D12/1	12	16	80	28	10	9,0°	1				0,120	●	●		
740W W D13/1	13	16	80	28	10	8,5°	1				0,120	●	●		
740W W D14/1	14	16	80	28	10	8,0°	1				0,120	●	●		
740W W D15/2	15	16	85	28	10	4,0°	2				0,120	●	●		
740W W D15,7/2	15,7	16	85	28	10	3,5°	2				0,120	●	●		
740W W D16/2	16	16	85	37	10	3,5°	2				0,130	●	●		
740W D16/2 ECO	16	16	85	37	10	3,5°	2				0,130	--	●		
740W W D17/2	17	16	85	37	10	3,0°	2				0,130	●	●		
740W W D18/2	18	20	90	40	10	2,5°	2				0,170	●	●		
740W W D19,5/3	19,5	20	90	40	10	1,5°	3				0,180	●	●		
740W W D19,7/3	19,7	20	90	40	10	1,5°	3				0,180	●	●		
740W W D20/3	20	20	90	40	10	1,5°	3				0,200	●	●		
740W D20/3 ECO	20	20	90	40	10	1,5°	3				0,200	--	●		
740W W D22/3	22	25	95	49	10	1,5°	3				0,220	●	●		
740W W D24,7/4	24,7	25	95	49	10	0,9°	4				0,320	●	●		
740W W D25/3	25	25	105	49	10	0,9°	3				0,320	●	●		
740W W D25/4	25	25	105	49	10	0,9°	4				0,340	●	●		
740W D25/4 ECO	25	25	105	49	10	0,9°	4				0,340	--	●		
740W W D28/4	28	25	105	49	10	0,9°	4	0,340	●	●					
740W W D30/4	30	25	105	49	10	0,8°	4	0,340	●	●					
740W W D31,7/5	31,7	25	110	54	10	0,6°	5	0,360	●	●					
740W W D32/5	32	25	110	54	10	0,6°	5	0,380	●	●					

Serie lunga - Lange Ausführung - Long models

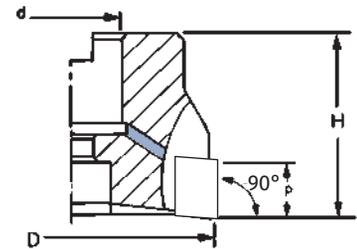
740W WL D10/1	10	16	150	50	10	11,0°	1	APHT APHX APKT 1003...	VT25	BT08	0,200	●	●		
740W WL D12/1	12	16	150	50	10	9,0°	1				0,200	●	●		
740W WL D16/2	16	16	150	100	10	3,5°	2				0,210	●	●		
740W WL D18/2	18	16	150	50	10	2,5°	2				0,330	●	●		
740W WL D20/3	20	20	150	100	10	1,5°	3				0,330	●	●		
740W WL D25/4	25	20	150	100	10	0,9°	4				0,350	●	●		
740W WL D32/5	32	25	150	55	10	0,6°	5				0,560	●	●		



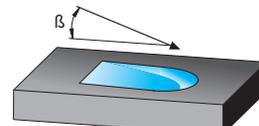
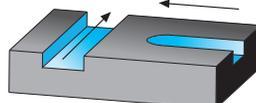
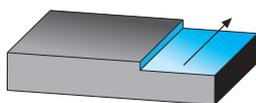
ART. 740 M



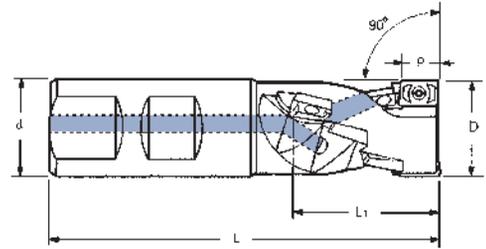
ART. 740 M ECO

740 M
740 M ECO

	↔ (mm)														
	D	d	H	p	β	z				KG		STOCK	PRICELIST	V	
740M W D40/6	40	16	40	10	-	6	APHT APHX APKT 1003...	VT25	BT08	0,270	●	●			
740M D40/6 ECO	40	16	40	10	-	6				0,270	--	●			
740M W D50/7	50	22	40	10	-	7				0,430	●	●			
740M D50/7 ECO	50	22	40	10	-	7				0,430	--	●			
740M W D63/8	63	22	40	10	-	8				0,610	●	●			
740M W D80/11	80	27	50	10	-	11				1,220	●	●			
740M W D100/12	100	32	50	10	-	12	1,980	●	●						

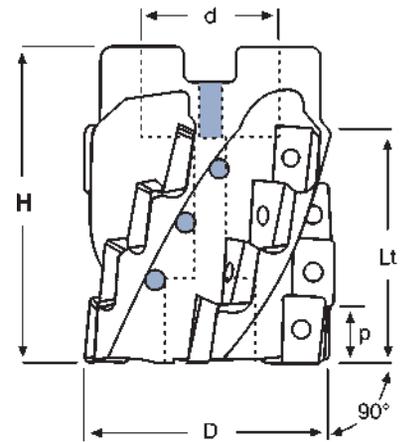


FRESE A RICCIO _ SCHAFTSCHRUPPFÄRÄSER _ HELICAL END MILLS



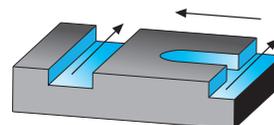
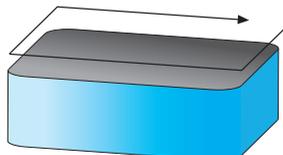
900 W

	D	d	← (mm) →			Fattore K	z				KG		STOCK	PRICELIST
			L	L1	p									
900W W D20	20	20	87	28	10	1	4	APHT APHX APKT 1003...	VT25	BT08	0,200		●	
900W W D25	25	25	105	37	10	2	8				0,360		●	
900W W D32/2	32	32	115	46	10	2	10				0,600		●	
900W W D32/3	32	32	115	46	10	3	15				0,600		●	
900W W D40	40	32	130	55	10	3	18				0,780		●	

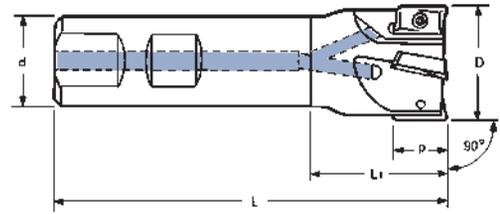


900 M

	D	d	← (mm) →			Fattore K	z				KG		STOCK	PRICELIST
			H	Lt	p									
900M W D40	40	16	50	37	10	3	12	APHT APHX APKT 1003...	VT25	BT08	0,250		●	
900M W D50	50	22	60	46	10	3	15				0,510		●	
900M W D63	63	27	60	46	10	4	20				0,940		●	



FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS



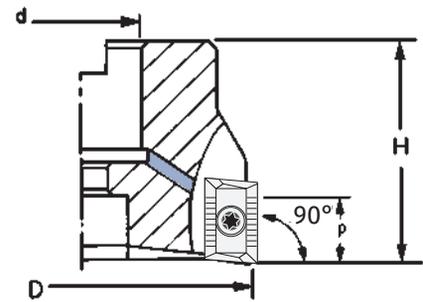
730 W	↔ (mm)							APHT APHX APKT 1604...	VT40	BT15	KG	STOCK	PRICELIST
	D	d	L	L1	p	β	z						
730W W D25/2	25	25	100	44	17	3,5°	2	APHT APHX APKT 1604...	VT40	BT15	0,380	●	
730W W D32/3	32	32	110	50	17	2,0°	3				0,640	●	
730W W D40/4	40	32	115	45	17	1,5°	4				0,760	●	
Serie lunga - Lange Ausführung - Long models													
730W WL D22/2	22	20	200	145	17	3,3°	2	APHT APHX APKT 1604...	VT40	BT15	0,440	●	
730W WL D25/2	25	25	200	140	17	3,5°	2				0,640	●	
730W WL D32/3	32	32	200	140	17	2,0°	3				1,120	●	
730W WL D40/4	40	32	200	60	17	1,5°	4				1,300	●	



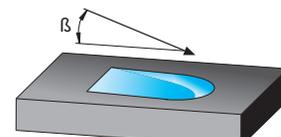
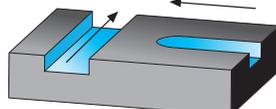
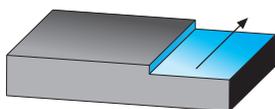
ART. 730 M



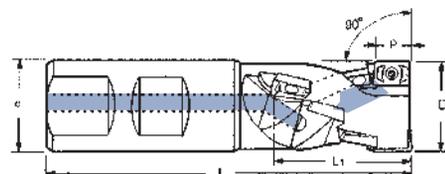
ART. 730 M ECO



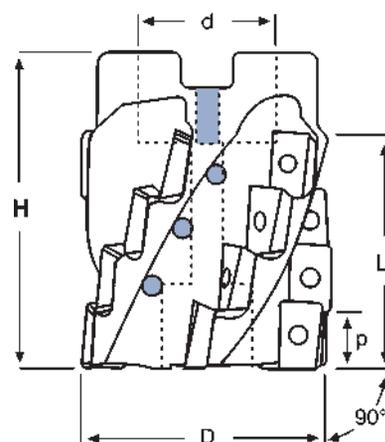
730 M 730 M ECO	↔ (mm)							APHT APHX APKT 1604...	VT40	BT15	KG	STOCK	PRICELIST
	D	d	H	p	β	z							
730M W D40/4	40	16	40	17	1,8°	4	APHT APHX APKT 1604...	VT40	BT15	0,210	●		
730M D40/4 ECO	40	16	40	17	1,8°	4				0,210	--	●	
730M W D50/5	50	22	40	17	1,0°	5				0,290	●		
730M D50/5 ECO	50	22	40	17	1,0°	5				0,290	--	●	
730M W D63/6	63	22	40	17	0,7°	6				0,530	●		
730M D63/6 ECO	63	22	40	17	0,7°	6				0,530	--	●	
730M W D80/7	80	27	50	17	0,6°	7				1,180	●		
730M W D100/8	100	32	50	17	0,4°	8				1,670	●		
730M W D125/9	125	40	63	17	0,3°	9				3,110	●		
730M D160/10	160	40	63	17	-	10				5,280	--	●	
730M D200/12	200	60	63	17	-	12				10,200	--	●	
730M D250/16	250	60	63	17	-	16				13,810	--	●	



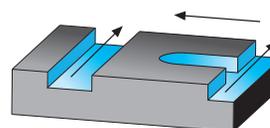
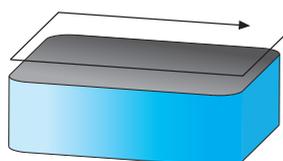
FRESE A RICCIO _ SCHAFTSCHRUPPFÄSER _ HELICAL END MILLS



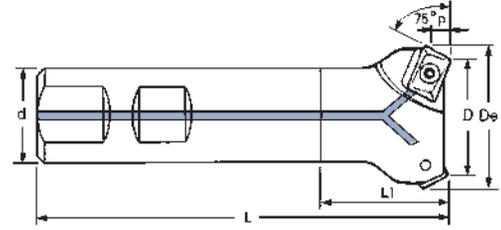
850 W	D	d	L (mm)			Fattore K	z				KG	STOCK	PRICELIST
850W W D25	25	25	105	29	17	1	2	APHT APHX APKT 1604...	VT40	BT15	0,320	●	
850W W D32	32	32	115	44	17	2	6				0,520	●	
850W W D40	40	32	130	58	17	2	8				0,760	●	



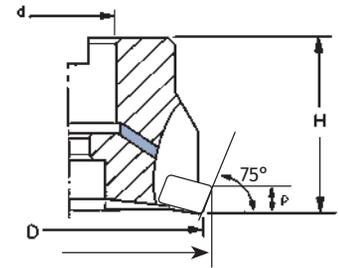
850 M	D	d	L (mm)			Fattore K	z				KG	STOCK	PRICELIST
850M W D50	50	27	56	30	16	3	6	APHT APHX APKT 1604...	VT40	BT15	0,460	●	
850M W D63	63	27	60	44	16	4	12				0,820	●	
850M W D80	80	32	60	44	16	5	15				1,380	●	
850M W D100	100	40	60	44	16	6	18				1,730	●	



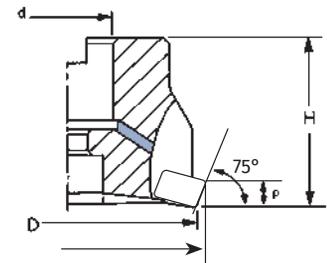
FRESE PER SPIANATURA 75° _ PLANFRÄSER 75° _ FACE MILLING CUTTERS 75°

**770 W**

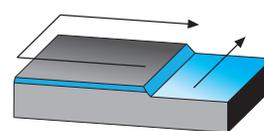
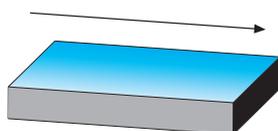
	D		De		d		L	L1	p	z			KG		STOCK	PRICELIST
	(mm)															
770W W D25/2	25	28,6	20	95	25	4	2	APHT APHX APKT 1003			VT25	BT08	0,220	●	●	
770W W D32/3	32	35,6	25	95	25	4	3	...					0,320	●	●	
770W W D40/4	40	43,6	25	100	25	4	4	...					0,400	●	●	

**770 M**

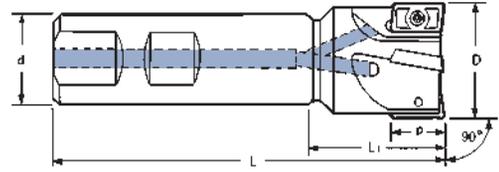
	D	De	d	H	p	z			KG		STOCK	PRICELIST
	(mm)											
770M W D50/5	50	54	22	40	6,5	5	APHT APHX APKT 1003		0,360	●	●	
770M W D63/6	63	67	22	40	6,5	6	...	VT25	BT08	0,600	●	●

**760 M**

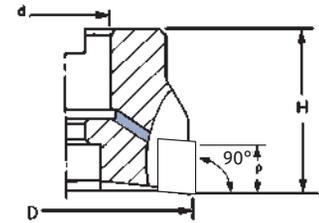
	D	De	d	H	p	z			KG		STOCK	PRICELIST
	(mm)											
760M W D50/3	50	54	16	40	6,5	3	APHT APHX APKT 1604		0,310	●	●	
760M W D63/4	63	67	22	40	6,5	4	...		0,540	●	●	
760M W D80/5	80	84	27	50	6,5	5	...	VT40	BT15	1,150	●	●
760M W D100/6	100	104	32	50	6,5	6	...		1,800	●	●	
760M W D125/7	125	129	40	63	6,5	7	...		3,140	●	●	



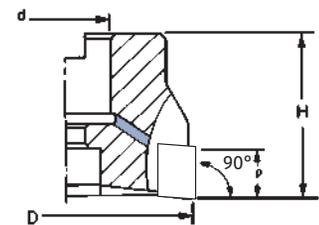
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS



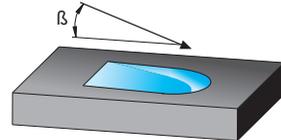
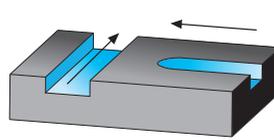
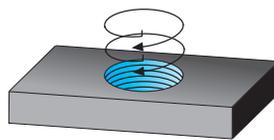
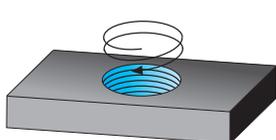
745 W	↔ (mm)							L	L1	p	β	z	LNEX LNKX LNMX 1006...	VT30 745	BT09	KG	STOCK	PRICELIST
	D	d	L	L1	p	β	z											
745W W D20/3	20	20	100	30	9	4,0°	3									0,220	●	
745W W D25/3	25	25	115	35	9	3,5°	3									0,400	●	
745W W D32/4	32	25	125	40	9	3,0°	4									0,520	●	
745W WL D20/3	20	20	150	50	9	4,0°	3									0,340	●	
745W WL D25/3	25	25	150	50	9	3,5°	3									0,520	●	
745W WL D32/4	32	32	200	60	9	3,0°	4									1,160	●	



745 M	↔ (mm)						L	L1	p	β	z	LNEX LNKX LNMX 1006...	VT30 745	BT09	KG	STOCK	PRICELIST	
	D	d	H	p	β	z												
745M W D40/5	40	16	40	9	2,0°	5										0,260	●	
745M W D50/7	50	22	40	9	1,5°	7										0,380	●	
745M W D63/9	63	22	40	9	-	9										0,600	●	



735 M	↔ (mm)						L	L1	p	β	z	LNEX LNKX LNMX 1510...	VT40 735	BT15	KG	STOCK	PRICELISTV	
	D	d	H	p	β	z												
735M W D50/5	50	22	40	14	2,0°	5										0,320	●	
735M W D63/6	63	22	40	14	2,0°	6										0,520	●	
735M W D80/7	80	27	50	14	1,5°	7										1,120	●	
735M W D100/8	100	32	50	14	-	8										1,830	●	
735M W D125/10	125	40	63	14	-	10										3,520	●	
735M W D160/11	160	40	63	14	-	11										5,280	●	



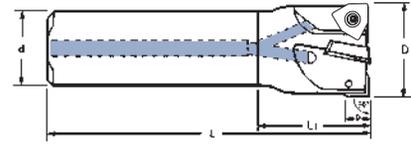
● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

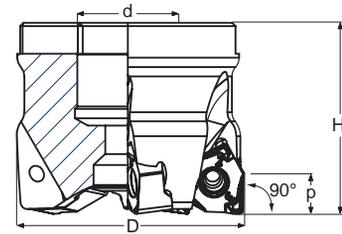
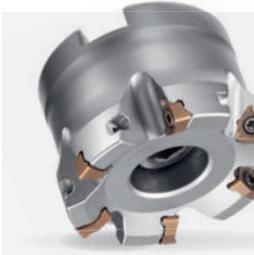
2023/24



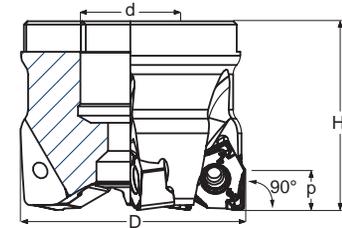
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS

**830 W**

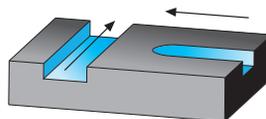
	↔ (mm)												
	D	d	L	L1	p	z				KG		STOCK	PRICELIST
830W W D20/3	20	20	90	40	4	3	WNEU 0403 ...	VT25 830	BT08	0,350	●	●	
830W W D25/4	25	25	100	44	4	4				0,600	●	●	
830W W D32/5	32	32	110	50	4	5				1,150	●	●	
830W WL D20/3	20	20	150	40	4	3				0,500	●	●	
830W WL D25/4	25	25	170	50	4	4				0,750	●	●	
830W WL D32/5	32	32	195	70	4	5				2,100	●	●	

**830 M**

	↔ (mm)												
	D	d	H	p	z				KG		STOCK	PRICELIST	
830M W D32/6	32	16	40	4	6	WNEU 0403 ...	VT25 830	BT08	0,140	●	●		
830M W D40/6	40	16	40	4	6				0,300	●	●		
830M W D50/8	50	22	40	4	8				0,500	●	●		
830M W D63/9	63	22	40	4	9				0,540	●	●		
830M W D80/11	80	27	50	4	11				1,060	●	●		

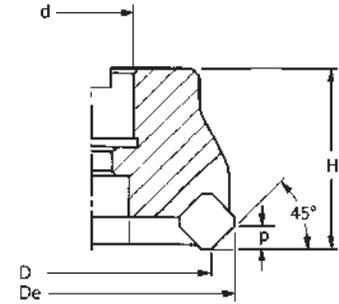
**835 M**

	↔ (mm)												
	D	d	H	p	z				KG		STOCK	PRICELIST	
835M W D40/4	40	16	40	7	4	WNEU WNMU WNEX 0806 ...	VT40 835	BT15	0,230	●	●		
835M W D50/5	50	22	40	7	5				0,320	●	●		
835M W D63/6	63	22	40	7	6				0,480	●	●		
835M W D80/7	80	27	50	7	7				1,060	●	●		
835M W D100/8	100	32	50	7	8				1,680	●	●		
835M W D125/10	125	40	63	7	10				2,970	●	●		
835M W D160/11	160	40	63	7	11				4,400	●	●		
835M W D63F/7	63	22	40	7	7				0,480	●	●		
835M W D80F/9	80	27	50	7	9				1,070	●	●		
835M W D100F/10	100	32	50	7	10				1,650	●	●		
835M W D125F/11	125	40	63	7	11				2,970	●	●		
835M W D160F/12	160	40	63	7	12				4,350	●	●		



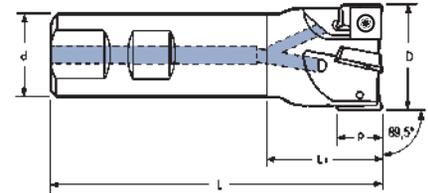
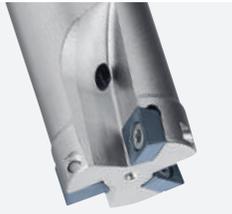
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS

NEW

ALTO AVANZAMENTO
HOCHVORSCHUB
HIGH FEEDSULLA STESSA SEDE INSERTO POSSONO ESSERE MONTATE 2 TIPOLOGIE DI INSERTO.
AUF SELBEM PLATTENSITZ, KÖNNEN SIE 2 WENDEPLATTEN TYPLOGIE MONTIEREN.
ON THE SAME INSERT SEAT, IT COULD BE USED 2 INSERT TYPE.

845 M

	↔ (mm)												
	D	d	H	p	z				KG		STOCK	PRICELIST	
845M W D40/4	40	16	40	7	4	XNEX WNEU WNMU WNEX 0806...	VT40 835	BT15	0,230	●	●		
845M W D50/5	50	22	40	7	5				0,320	●	●		
845M W D63/6	63	22	40	7	6				0,480	●	●		
845M W D80/7	80	27	50	7	7				1,060	●	●		
845M W D100/8	100	32	50	7	8				1,680	●	●		

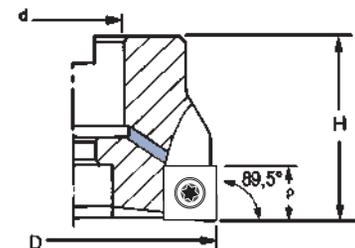


700 W

	↔ (mm)											
	D	d	L	L1	p	z			KG		STOCK	PRICELIST
700W W D10/1	10	16	80	24	6	1	SPGT SPMT 060304...	VT25	0,100	●	○	
700W W D12/1	12	16	80	24	6	1			0,120	●	○	
700W W D16/2	16	16	85	37	6	2			0,130	●	○	
700W W D20/3	20	20	90	40	6	3			0,200	●	○	
700W W D25/4	25	25	95	39	6	4			0,340	●	○	
700W W D32/5	32	25	95	30	6	5	0,380	●	○			

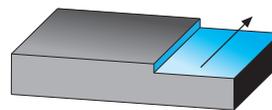
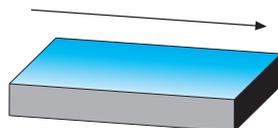
Serie lunga - Lange Ausführung - Long models

700W WL D16/2	16	16	150	101	6	2	SPGT SPMT 060304...	VT25	0,210	●	○	
700W WL D20/3	20	20	150	101	6	3			0,330	●	○	
700W WL D25/4	25	20	150	25	6	4			0,350	●	○	
700W WL D32/5	32	25	150	30	6	5			0,560	●	○	



700 M

	↔ (mm)											
	D	d	H	p	z				KG		STOCK	PRICELIST
700M W D40/6	40	16	40	6	6	SPGT SPMT 060304...	VT25	BT08	0,270	●	○	
700M W D50/7	50	22	40	6	7				0,430	●	○	
700M W D63/8	63	22	40	6	8				0,610	●	○	



● Disponibile - Lieferbar - On stock

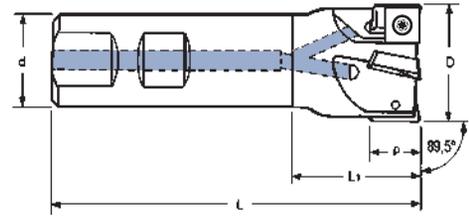
○ A richiesta - Auf Anfrage - On request

2023/24

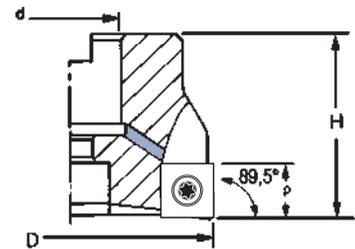


13

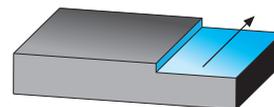
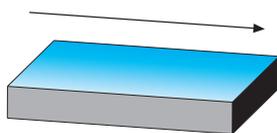
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS

**705 W**

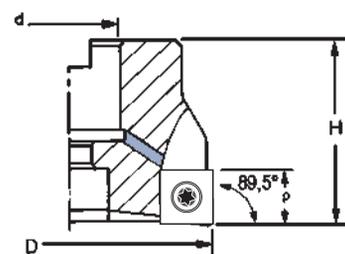
	↔ (mm)												
	D	d	L	L1	p	z							
705W W D25/2	25	25	100	44	9	2	SPGT SPMT 09T308...	VT35S	BT15	0,380	🔵	○	PRICELIST
705W W D32/3	32	32	110	50	9	3				0,640	🔵	○	
705W W D40/4	40	32	115	45	9	4				0,760	🔵	○	

**705 M**

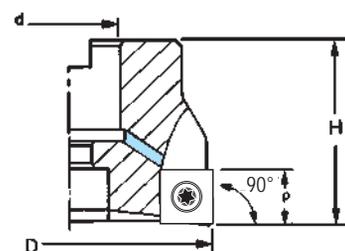
	↔ (mm)												
	D	d	H	p	z								
705M W D40/4	40	16	40	9	4	SPGT SPMT 09T308...	VT35S	BT15	0,210	🔵	○	PRICELIST	
705M W D50/5	50	22	40	9	5				0,290	🔵	○		
705M W D63/6	63	22	40	9	6				0,530	🔵	○		
705M W D80/7	80	27	50	9	7				1,180	🔵	○		
705M W D100/8	100	32	50	9	8				1,670	🔵	○		



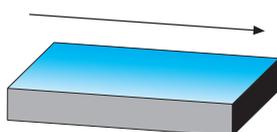
FRESE PER SPALLAMENTI _ ECKFRÄSER _ SHOULDER MILLING CUTTERS



715 M	↔ (mm)					SPGT SPMT 120408...	VT50	BT20	KG	STOCK	PRICELIST
	D	d	H	p	z						
715M W D50/5	50	22	40	12	5				0,280	●	○
715M W D63/6	63	22	40	12	6				0,600	●	○
715M W D80/6	80	27	50	12	6				0,980	●	○
715M W D100/8	100	32	50	12	8				1,540	●	○
715M W D125/9	125	40	63	12	9				3,280	●	○

FRESE PER SPIANATURA - SPALLAMENTI 90°
PLANFRÄSER - ECKFRÄSER 90° _ FACE - SHOULDER MILLING CUTTERS 90°

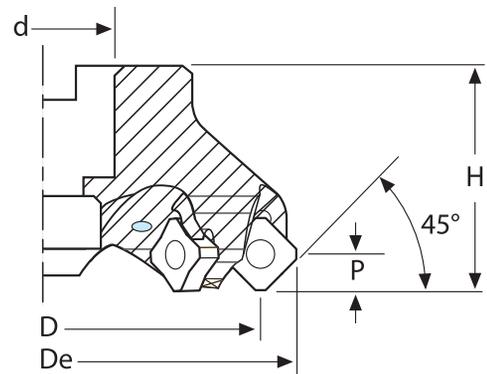
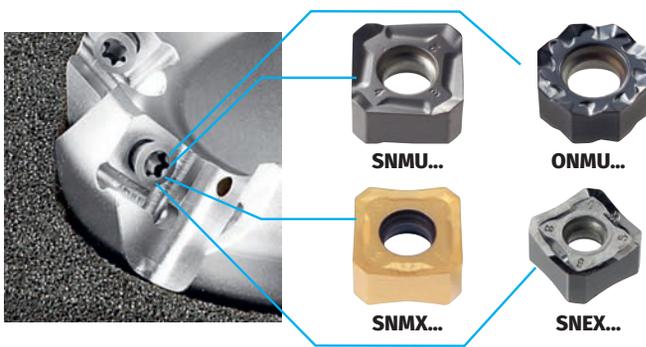
710 M	↔ (mm)					SDMT 1205...	VT40 710	BT15	KG	STOCK	PRICELIST
	D	d	H	p	z						
710M W D40/4	40	16	45	10,5	4				0,230	●	●
710M W D50/5	50	22	40	10,5	5				0,280	●	●
710M W D63/6	63	22	40	10,5	6				0,600	●	●
710M W D80/6	80	27	50	10,5	6				0,980	●	●
710M W D100/8	100	32	50	10,5	8				1,540	●	●
710M W D125/9	125	40	63	10,5	9				3,280	●	●



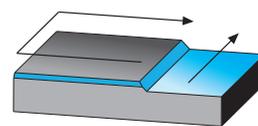
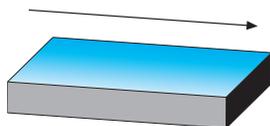
FRESE PER SPIANATURA 45° _ PLANFRÄSER 45° _ FACE MILLING CUTTERS 45°



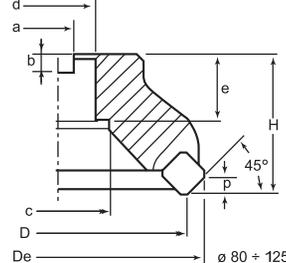
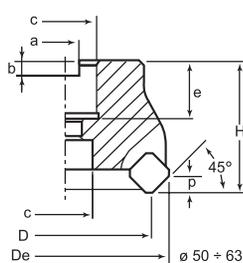
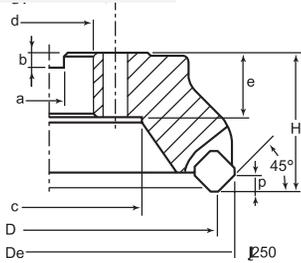
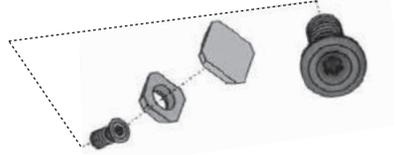
SULLA STESSA SEDE INSERTO POSSONO ESSERE MONTATE
2 TIPOLOGIE DI INSERTO: 8 TAGLIANTI E 16 TAGLIANTI.
AUF SELBEM PLATTENSITZ, KÖNNEN SIE 2 WENDEPLATTEN
TYPOLOGIE MONTIEREN: 8 SCHNEIDEN UND 16 SCHNEIDEN
ON THE SAME INSERT SEAT, IT COULD BE USED 2 INSERT TYPE:
8 CUTTING EDGE AND 16 CUTTING EDGE.



810 M	↔ (mm)							z	✦ ✧	🌀	🔩	KG	🔧	STOCK	PRICELIST
	D	De	d	H	p	p									
810M W D50/4	50	63	22	40	6	3	4				0,520	💧	●		
810M W D63/6	63	76	22	40	6	3	6				0,640	💧	●		
810M W D80/7	80	93	27	50	6	3	7				1,250	💧	●		
810M W D100/8	100	113	32	50	6	3	8				1,830	💧	●		
810M W D125/10	125	138	40	63	6	3	10				3,920	💧	●		
810M W D160/12	160	173	40	63	6	3	12				5,280	💧	●		
810M W D200/14	200	213	60	63	6	3	14				10,200	💧	●		
810M W D250/16	250	263	60	63	6	3	16				13,900	💧	●		
810M W D50F/6	50	63	22	40	6	3	6				0,520	💧	●		
810M W D63F/8	63	76	22	40	6	3	8				0,640	💧	●		
810M W D80F/10	80	93	27	50	6	3	10				1,250	💧	●		
810M W D100F/12	100	113	32	50	6	3	12				1,830	💧	●		
810M W D125F/16	125	138	40	63	6	3	16				3,920	💧	●		
810M W D160F/20	160	173	40	63	6	3	20				5,280	💧	●		

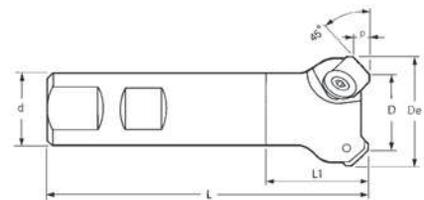


FRESE PER SPIANATURA 45° _ PLANFRÄSER 45° _ FACE MILLING CUTTERS 45°



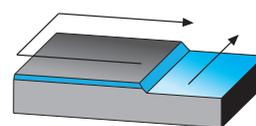
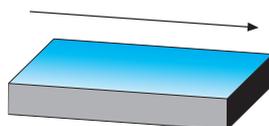
550 M	(mm)											◇	KG	STOCK	PRICELIST
	D	De	d	d1	c	e	a	b	H	p	z				
550M W D50-12/4	50	63	22	-	17	21	10,4	6,3	48	6	4		0,600	●	●
550M W D63-12/5	63	76	22	-	19	21	10,4	6,3	40	6	5		0,690	●	●
550M W D80-12/6	80	93	27	-	38	24	12,4	7	50	6	6		1,370	●	●
550M W D100-12/6	100	113	32	-	45	26	14,4	8	50	6	6	SEKN SEKR 1203...	2,000	●	●
550M W D125-12/7	125	138	40	-	56	32	16,4	9	63	6	7		3,900	●	●
550M W D160-12/7 *	160	173	40	66,7	86	32	16,4	9	63	6	7		5,900	●	●
550M W D200-12/10 *	200	213	60	101,7	129	32	25,7	14	63	6	10		15,000	●	●
550M W D250-12/13 *	250	263	60	101,7	178	32	25,7	14	63	6	13		15,000	●	●

550 M-L	(mm)											◇	KG	STOCK	PRICELISTV
	D	De	d	d1	c	e	a	b	H	p	z				
550M W D50-12L/4	50	63	22	-	17	21	10,4	6,3	48	6	4		0,600	●	●
550M W D63-12L/5	63	76	22	-	19	21	10,4	6,3	40	6	5		0,690	●	●
550M W D80-12L/6	80	93	27	-	38	24	12,4	7	50	6	6		1,370	●	●
550M W D100-12L/6	100	113	32	-	45	26	14,4	8	50	6	6	SEKN SEKR 1203...	2,000	●	●
550M W D125-12L/7	125	138	40	-	56	32	16,4	9	63	6	7		3,900	○	○

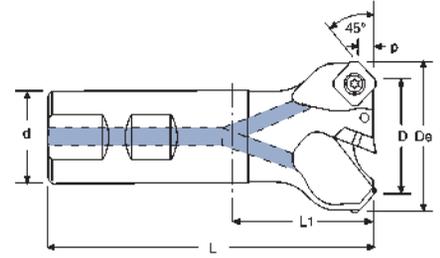


550 W	(mm)								◇	KG	STOCK	PRICELIST
	D	De	d	L	L1	p	z					
550W W D40-12/4	40	53	32	115	45	6	4	SEKN SEKR 1203...	0,840	○	○	

RICAMBI ERSATZTEILE SPAREPARTS	Sottoplacchetta Support	Vite di bloccaggio Insert locking screw		Vite sottoplacchetta Screw support	Chiave Key	Chiave Key
	AKE12,4	CVB55 (550M) (550W)	CVB55L (550M-L)	VF4	BT25 TORX PLUS	BT08



FRESE PER SPIANATURA 45° _ PLANFRÄSER 45° _ FACE MILLING CUTTERS 45°

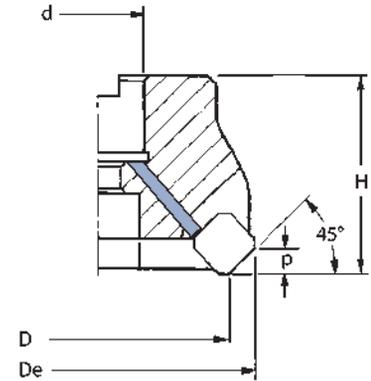
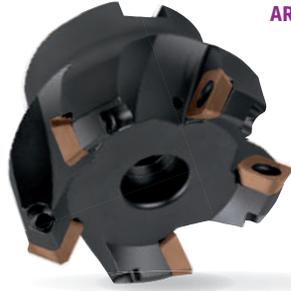
**600 W**

	D	De	d	L	L1	p	z				KG		STOCK	PRICELIST
600W W D25/2	25	38	25	100	44	6	2	SEHT SEHX SEKT 1204...	VT50	BT20	0,370		●	
600W W D32/3	32	45	25	110	54	6	3				0,420		●	
600W W D40/4	40	53	32	115	55	6	4				0,780		●	

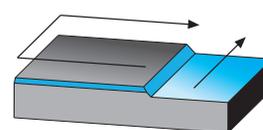
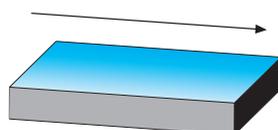
ART. 600 M



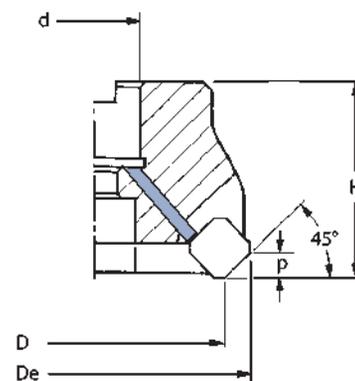
ART. 600 M ECO

**600 M**
600 M ECO

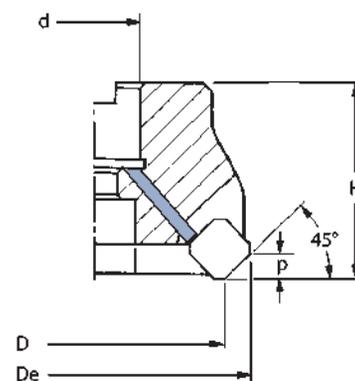
	D	De	d	H	p	z				KG		STOCK	PRICELIST
600M W D40-12/3	40	53	16	40	6	3	SEHT SEHX SEKT 1204...	VT50	BT20	0,270		●	
600M W D50-12/4	50	63	22	48	6	4				0,480		●	
600M D50-12/4 ECO	50	63	22	48	6	4				0,480	--	●	
600M W D63-12/5	63	76	22	48	6	5				0,760		●	
600M D63-12/5 ECO	63	76	22	48	6	5				0,760	--	●	
600M W D80-12/6	80	93	27	50	6	6				1,270		●	
600M D80-12/6 ECO	80	93	27	50	6	6				1,270	--	●	
600M W D100-12/6	100	113	32	50	6	6				1,790		●	
600M D100-12/6 ECO	100	113	32	50	6	6				1,790	--	●	
600M W D125-12/7	125	138	40	63	6	7				3,470		●	
600M W D160-12/8	160	173	40	63	6	8				5,280		●	
600M D200-12/12	200	213	60	63	6	12				7,800	--	●	
600M D250-12/16	250	263	60	63	6	16				11,100	--	●	
600M W D40-12F/4	40	53	16	40	6	4				0,270		●	
600M W D50-12F/5	50	63	22	48	6	5				0,480		●	
600M W D63-12F/6	63	76	22	48	6	6				0,760		●	
600M W D80-12F/7	80	93	27	50	6	7				1,270		●	
600M W D100-12F/8	100	113	32	50	6	8				1,790		●	
600M W D125-12F/9	125	138	40	63	6	9				3,470		●	
600M W D160-12F/10	160	173	40	63	6	10				5,280		●	



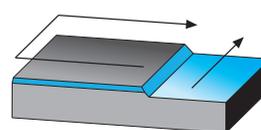
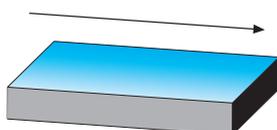
FRESE PER SPIANATURA 45° _ PLANFRÄSER 45° _ FACE MILLING CUTTERS 45°

**670 M**

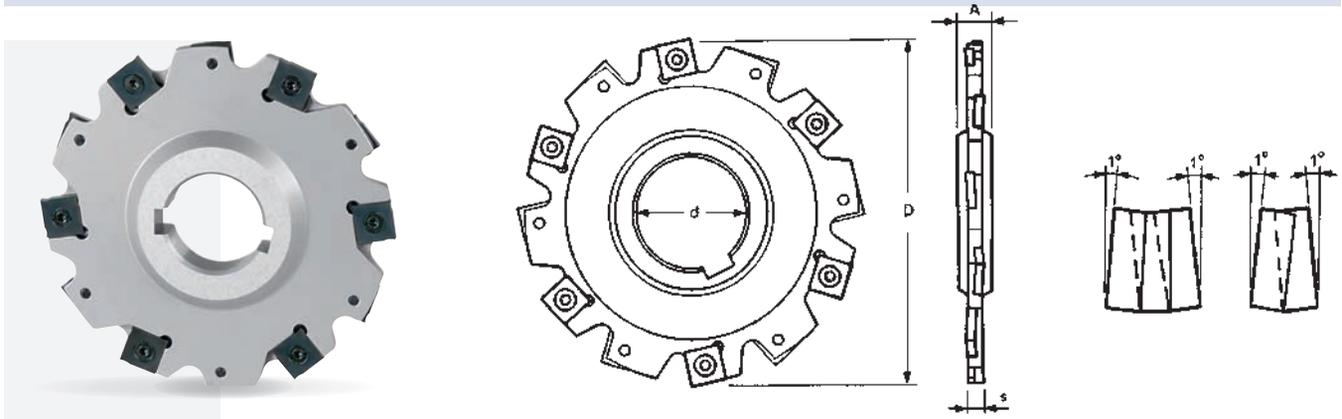
	↔ (mm)												
	D	De	d	H	p	z				KG		STOCK	PRICELISTV
670M W D50-12/4	50	63	22	48	6	4	SDHT SDKT 1204...	VT45	BT20	0,520		○	
670M W D63-12/5	63	76	22	48	6	5				0,800		○	
670M W D80-12/6	80	93	27	50	6	6				1,300		○	
670M W D100-12/6	100	113	32	50	6	6				1,770		○	
670M W D125-12/7	125	138	40	63	6	7				3,700		○	
670M W D160-12/8	160	173	40	63	6	8				5,280		○	
670M D200-12/12	200	213	60	63	6	12				14,000	--	○	
670M D250-12/16	250	263	60	63	6	16				14,000	--	○	

**680 M**

	↔ (mm)												
	D	De	d	H	p	z				KG		STOCK	PRICELIST
680M W D50-13/4	50	63	22	40	6	4	SEHT SEHX 13T3...	VT3511	BT15	0,460		●	
680M W D63-13/5	63	76	22	40	6	5				0,610		●	
680M W D80-13/6	80	93	27	50	6	6				1,300		●	
680M W D100-13/7	100	113	32	50	6	7				1,670		●	
680M W D125-13/8	125	138	40	63	6	8				3,370		●	
680M D160-13/10	160	173	40	63	6	10				4,500	--	●	
680M D200-13/12	200	213	60	63	6	12				14,000	--	○	
680M D250-13/16	250	263	60	63	6	16				14,000	--	○	
680M W D50-13F/5	50	63	22	40	6	5				0,460		●	
680M W D63-13F/6	63	76	22	40	6	6				0,610		●	
680M W D80-13F/8	80	93	27	50	6	8				1,300		●	
680M W D100-13F/10	100	113	32	50	6	10				1,670		●	
680M W D125-13F/12	125	138	40	63	6	12				3,370		●	
680M D160-13F/16	160	173	40	63	6	16				4,500	--	●	



FRESE PER SCANALATURE E TAGLIO _SCHEIBENFRÄSER_ GROOVING AND CUT OFF MILLS

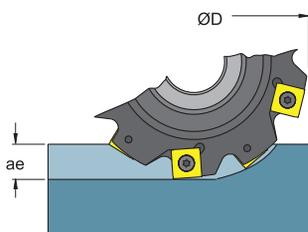


ANGOLO ASSIALE -3°
ANGOLO RADIALE -12°

AXIAL WINKEL -3°
RADIAL WINKEL -12°

AXIAL RAKE -3°
RADIAL RAKE -12°

610	(mm)							Fattore K	Max prof. di taglio				KG		STOCK	PRICELIST
	D	d	s	A	B	Z										
610 63 04	63	22	4	8	34	8	4	14	SNHX 1102T	VTX3503	BT09	0,070	--	○		
05	63	22	5	8	34	8	4	14	SNHX 1103T	VTX3504	BT09	0,080	--	○		
06	63	22	6	8	34	6	3	14	SNHX 1203T	VTX405	BT15	0,080	--	○		
610 80 04	80	22	4	8	34	10	5	22	SNHX 1102T	VTX3503	BT09	0,200	--	○		
05	80	22	5	8	34	10	5	22	SNHX 1103T	VTX3504	BT09	0,220	--	○		
06	80	22	6	8	34	8	4	22	SNHX 1203T	VTX405	BT15	0,240	--	○		
610 100 04	100	27	4	12	45	12	6	25	SNHX 1102T	VTX3503	BT09	0,240	--	○		
05	100	27	5	12	45	12	6	25	SNHX 1103T	VTX3504	BT09	0,330	--	○		
06	100	27	6	12	45	10	5	25	SNHX 1203T	VTX405	BT15	0,360	--	○		
10	100	27	10	12	45	10	5	25	SNHX 1205T	VTX408	BT15	0,470	--	○		
610 125 04	125	40	4	12	58	12	6	31	SNHX 1102T	VTX3503	BT09	0,410	--	○		
05	125	40	5	12	58	12	6	31	SNHX 1103T	VTX3504	BT09	0,450	--	○		
06	125	40	6	12	58	12	6	31	SNHX 1203T	VTX405	BT15	0,500	--	○		
10	125	40	10	12	58	12	6	31	SNHX 1205T	VTX408	BT15	0,670	--	○		
610 160 04	160	40	4	12	68	18	9	44	SNHX 1102T	VTX3503	BT09	0,660	--	○		
05	160	40	5	12	68	18	9	44	SNHX 1103T	VTX3504	BT09	0,740	--	○		
06	160	40	6	12	68	16	8	44	SNHX 1203T	VTX405	BT15	0,840	--	○		
10	160	40	10	12	68	16	8	44	SNHX 1205T	VTX408	BT15	1,130	--	○		
14	160	40	14	14	68	15	5	44	SNHX 1205T	VTX408	BT15	1,600	--	○		
610 200 04	200	50	4	12	72	18	9	62	SNHX 1102T	VTX3503	BT09	0,860	--	○		
05	200	50	5	12	72	18	9	62	SNHX 1103T	VTX3504	BT09	0,990	--	○		
06	200	50	6	12	72	18	9	62	SNHX 1203T	VTX405	BT15	1,200	--	○		
10	200	50	10	12	72	18	9	62	SNHX 1205T	VTX408	BT15	1,800	--	○		
14	200	50	14	14	72	18	6	62	SNHX 1205T	VTX408	BT15	2,500	--	○		
610 250 10	250	50	10	12	72	24	12	87	SNHX 1205T	VTX408	BT15	2,800	--	○		

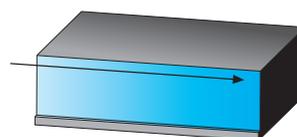
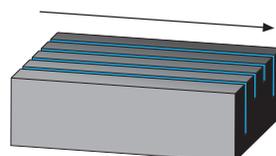


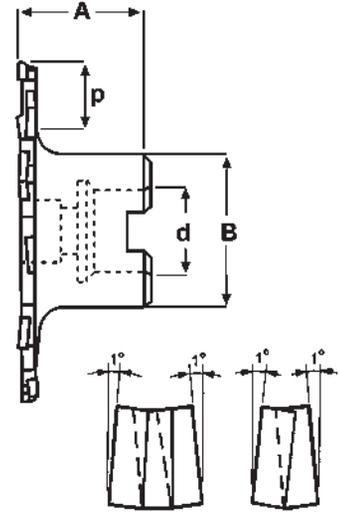
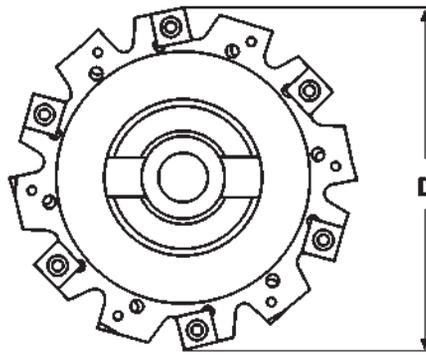
ae/D	0,5-1 50 - 100%	0,2 20%	0,1 10%	0,05 5%
Vc	Vc (min)-----Vc (max)			
	R-----M-----F			

ae/D	0,3 30%	0,2 20%	0,1 10%	0,05 5%	0,02 2%
Kae	1,2	1,5	2,1	3	4,8

Ve = m/min VELOCITÀ DI TAGLIO - CUTTING SPEED
n = giri/min (min-1) NUMERO DI GIRI - NUMBER OF REVOLUTIONS
fz = mm AVANZAMENTO AL DENTE - TOOTH FEED
fn = mm AVANZAMENTO AL GIRO - FEED REVOLUTION
Vf = mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED

Kae = FATTORE DICORREZIONE - CORRECTION FACTOR
F = FINITURA, LAV. LEGGERA - FINISHING, LIGHT MACHINING
M = LAV. MEDIA, GENERICA - MEDIUM MACHINING, GENERIC
R = SGROSSATURA, LAV. PESANTE - ROUGHING, HEAVY MACHINING



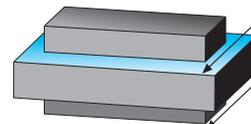
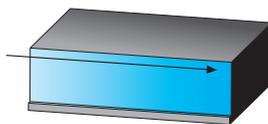
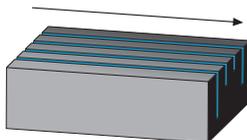


ANGOLO ASSIALE -3°
ANGOLO RADIALE -12°

AXIAL WINKEL -3°
RADIAL WINKEL -12°

AXIAL RAKE -3°
RADIAL RAKE -12°

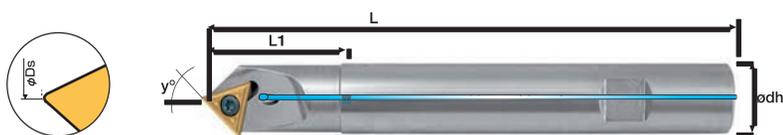
610 M	← (mm) →						Fattore K	Max prof. di taglio				KG		STOCK	PRICELIST
	D	d	s	A	B	Z									
610M 50 04	50	16	4	50	32	4	2	8,5	SNHX 1102T	VTX3503	BT09	0,300	--	○	
05	50	16	5	50	32	4	2	8,5	SNHX 1103T	VTX3504	BT09	0,300	--	○	
06	50	16	6	50	32	4	2	8,5	SNHX 1203T	VTX405	BT15	0,300	--	○	
10	50	16	10	50	32	4	2	8,5	SNHX 1205T	VTX408	BT15	0,300	--	○	
610M 63 04	63	22	4	50	40	8	4	10,5	SNHX 1102T	VTX3503	BT09	0,390	--	○	
05	63	22	5	50	40	8	4	10,5	SNHX 1103T	VTX3504	BT09	0,400	--	○	
06	63	22	6	50	40	6	3	10,5	SNHX 1203T	VTX405	BT15	0,400	--	○	
10	63	22	10	50	40	6	3	10,5	SNHX 1205T	VTX408	BT15	0,400	--	○	
14	63	22	14	50	40	6	2	10,5	SNHX 1205T	VTX408	BT15	0,500	--	○	
610M 80 04	80	22	4	50	40	10	5	20	SNHX 1102T	VTX3503	BT09	0,430	--	○	
05	80	22	5	50	40	10	5	20	SNHX 1103T	VTX3504	BT09	0,500	--	○	
06	80	22	6	50	40	8	4	20	SNHX 1203T	VTX405	BT15	0,500	--	○	
10	80	22	10	50	40	8	4	20	SNHX 1205T	VTX408	BT15	0,600	--	○	
14	80	22	14	50	40	6	2	20	SNHX 1205T	VTX408	BT15	0,650	--	○	
610M 100 04	100	27	4	50	48	12	6	24,2	SNHX 1102T	VTX3503	BT09	0,690	--	○	
05	100	27	5	50	48	12	6	24,2	SNHX 1103T	VTX3504	BT09	0,730	--	○	
06	100	27	6	50	48	10	5	24,2	SNHX 1203T	VTX405	BT15	0,740	--	○	
10	100	27	10	50	48	10	5	24,2	SNHX 1205T	VTX408	BT15	0,840	--	○	
14	100	27	14	50	48	9	3	24,2	SNHX 1205T	VTX408	BT15	1,000	--	○	
610M 125 04	125	40	4	50	70	12	6	23,7	SNHX 1102T	VTX3503	BT09	1,000	--	○	
05	125	40	5	50	70	12	6	23,7	SNHX 1103T	VTX3504	BT09	1,100	--	○	
06	125	40	6	50	70	12	6	23,7	SNHX 1203T	VTX405	BT15	1,100	--	○	
10	125	40	10	50	70	12	6	23,7	SNHX 1205T	VTX408	BT15	1,210	--	○	
14	125	40	14	50	70	12	4	23,7	SNHX 1205T	VTX408	BT15	1,450	--	○	
610M 160 04	160	40	4	50	70	16	8	41,2	SNHX 1102T	VTX3503	BT09	1,240	--	○	
05	160	40	5	50	70	16	8	41,2	SNHX 1103T	VTX3504	BT09	1,310	--	○	
06	160	40	6	50	70	16	8	41,2	SNHX 1203T	VTX405	BT15	1,450	--	○	
10	160	40	10	50	70	16	8	41,2	SNHX 1205T	VTX408	BT15	1,720	--	○	
14	160	40	14	50	70	15	5	41,2	SNHX 1205T	VTX408	BT15	2,140	--	○	



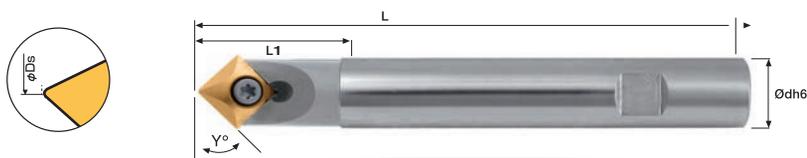
A technical drawing of a mechanical part, possibly a bracket or a connector, rendered in a light blue color on a dark blue background. The drawing includes various dimensions and features. A large circular hole is visible in the upper left. The part has several smaller holes and a complex, curved profile. The word "MINIMILL" is prominently displayed in the center. Dimensions include 80 at the top right, 16.9 and ø6 on the right side, and 1, 3.1, and 14.48 at the bottom left. A 1x45° chamfer is indicated at the bottom left corner.

MINIMILL

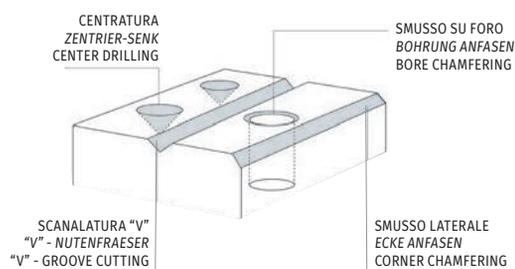
FRESE PER SMUSSI, SCANALATURE A V E CENTRARE 45°/30° FAS-UND ZENTRIERFRÄSER 45°/30° _ CENTER DRILLING, CHAMFERING AND V GROOVING 45°/30°



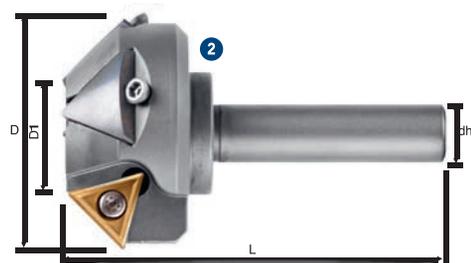
311 W	Ødh6	DS	L (mm)			Z	D _{min}	D _{max}	TCMX 16T3ZR... 16T308ZR...	VT40	BT15	KG	STOCK	PRICELIST on
			L	L1	Y°									
311.020 WW	20	0,4 / 0,8	115	40	45°	1	0,4	20				0,240	●	
311.020 WWL	20	0,4 / 0,8	150	60	45°	1	0,4	20				0,320	●	
311.020 WWXL	20	0,4 / 0,8	200	80	45°	1	0,4	20				0,430	●	



160 W	Ødh6	DS	L (mm)			Z	D _{min}	D _{max}	SEEX 12T4	VT4010	BT15	KG	STOCK	PRICELIST on
			L	L1	Y°									
160.45 W	16	0,8	120	40	45°	1	0,8	17				0,190	--	●
160.30 W	16	0,8	120	40	30°	1	0,8	21				0,200	--	●

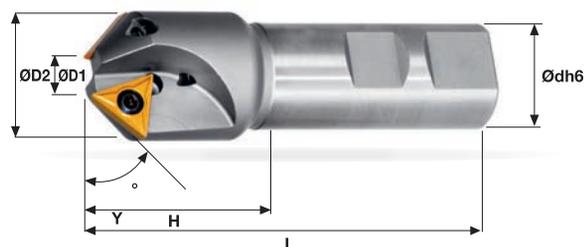
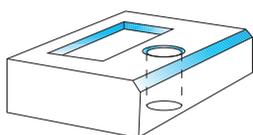


FRESA PER SBAVATURA 45° _ FASFRÄSER 45° _ CHAMFERING MILLING CUTTER 45°

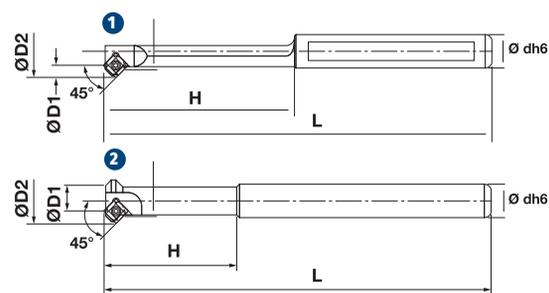
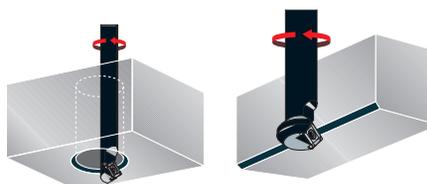


7745	Fig.	ØD	ØD1	L (mm)			y°	Z	TCGX 163504...	VT40	BT15	KG	STOCK	PRICELIST on
				L	Ødh6									
7745VT16-C12-0525	1	25	5	78	12	45°	1					0,140	--	●
7745VT16-C12-2545	2	45	25	78	12	45°	1					0,310	--	●

FRESE PER SMUSSI E SVASATURE 30°, 45° E 60° FRÄSER ZUM FASEN 30°, 45° E 60° _ CHAMFERING MILLING CUTTER 30°, 45° AND 60°



300 W	↔ (mm)							△	⌀	🔧	KG	🚰	STOCK	PRICELIST on
	ØD1	ØD2	L	H	Ødh6	Y°	Z							
300.016 WW	1,2	16	70	20	12	45°	1	TCMT 1102...	VT25B	BT08	0,060	🚰	●	
300.021 WW	6,2	21	90	35	20	45°	2	TCMT 1102...	VT25B	BT08	0,180	🚰	●	
300.032 WW	10,4	32,5	100	42	25	45°	2	TCMT 16T3...	VT40	BT15	0,380	🚰	●	
310.016 WW	5,4	16	70	20	12	60°	1	TCMT 1102...	VT25B	BT08	0,060	🚰	●	
310.027 WW	15,8	26	90	35	20	60°	2	TCMT 1102...	VT25B	BT08	0,180	🚰	●	
310.032 WW	20	35	100	39	25	60°	2	TCMT 16T3...	VT40	BT15	0,380	🚰	●	
315.032 WW	6	32	100	38	25	30°	2	TCMT 16T3...	VT40	BT15	0,380	🚰	●	



320 W	Fig.	↔ (mm)							◇	⌀	🔧	KG	🚰	STOCK	PRICELIST on
		ØD1	ØD2	L	H	Ødh6	Z								
320.004 WW	1	4	12	80	28	12	1	SCMT 060204	VT25B	BT08	0,060	🚰	●		
320.011 WW	2	11	20	80	32	12	2	SCMT 060204	VT25B	BT08	0,070	🚰	●		
320.012 WW	1	12	23,7	100	37	20	1	SCMT 09T308	VT40	BT15	0,190	🚰	●		
320.016 WW	2	16	28,8	100	32	16	2	SCMT 09T308	VT40	BT15	0,150	🚰	●		
320.025 WW	2	30	42,3	100	32	20	3	SCMT 09T308	VT40	BT15	0,270	🚰	●		
Serie lunga - Lange Ausführung - Long models															
320.012 WWL	1	12	23,7	200	37	20	1	SCMT 09T308	VT40	BT15	0,420	🚰	●		
320.016 WWL	2	16	28,8	200	32	16	2	SCMT 09T308	VT40	BT15	0,300	🚰	●		
320.025 WWL	2	30	42,3	200	32	20	3	SCMT 09T308	VT40	BT15	0,480	🚰	●		

321 W	Fig.	↔ (mm)							◇	⌀	🔧	KG	🚰	STOCK	PRICELIST on
		ØD1	ØD2	L	H	Ødh6	Z								
321.004 WW	1	4	12	80	28	12	1	SPGT SPMT 060304	VT25	BT08	0,060	🚰	○		
321.011 WW	2	11	20	80	32	12	2	SPGT SPMT 060304	VT25	BT08	0,070	🚰	○		
321.012 WW	1	12	23,7	100	37	20	1	SPGT SPMT 09T308	VT35S	BT15	0,190	🚰	○		
321.016 WW	2	16	28,8	100	32	16	2	SPGT SPMT 09T308	VT35S	BT15	0,150	🚰	○		
321.025 WW	2	30	42,3	100	32	20	3	SPGT SPMT 09T308	VT35S	BT15	0,270	🚰	○		

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

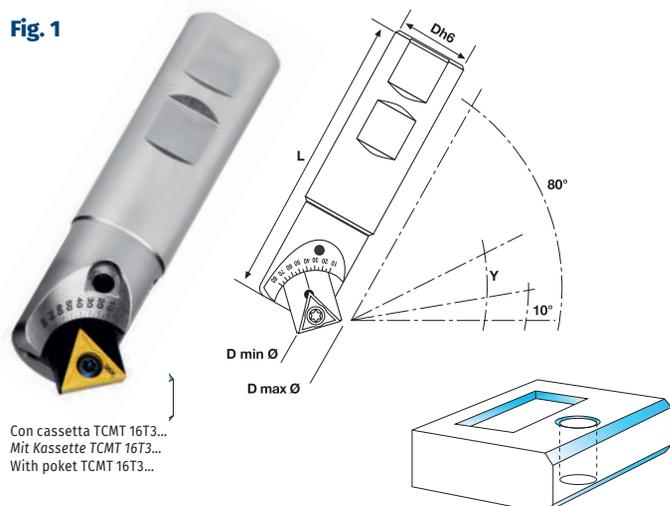
2023/24



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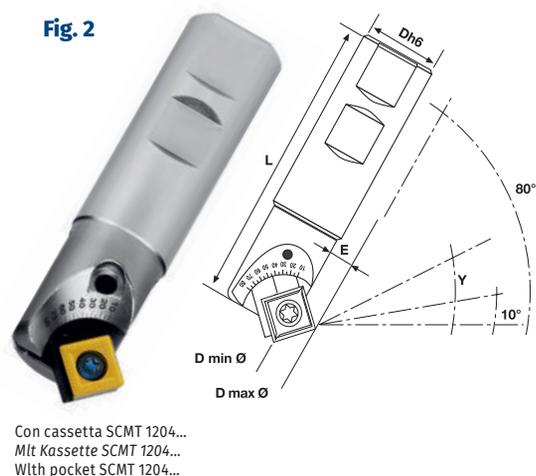
FRESE PER SMUSSI E SVASATURE REGISTRABILE DA 10° A 80° _ FASENFRÄSER, WINKELVERSTELLBAR VON 10° BIS 80° _ MILLING CUTTERS FOR CHAMFERING-FLARING 10° TO 80°

Fig. 1



Con cassetta TCMT 16T3...
Mit Kasette TCMT 16T3...
With pocket TCMT 16T3...

Fig. 2



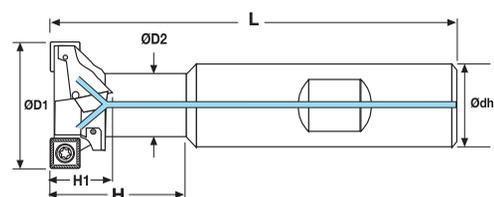
Con cassetta SCMT 1204...
Mit Kasette SCMT 1204...
With pocket SCMT 1204...

LE FRESE VENGONO SEMPRE FORNITE CON 2 CASSETTE T16 NEW + S12 NEW COMPRESSE
DIE FRASER WERDEN IMMER MIT 2 KASSETTEN GELIEFERT T16 NEW + S12 NEW
IN THE MILLING CUTTERS ARE ALWAYS INCLUDED 2 POCKETS T16 NEW + S12 NEW

340 W NEW	D h6	L	Y	Fig. 1		Fig. 2			KG	STOCK	PRICELIST on
				Dmin. Ø	Dmax. Ø	Dmin. Ø	Dmax. Ø	E			
340.020 W NEW	20	95	"	"	"	"	"	"	0,320	--	●
			10°	5	32	7,5	30	2,7			
			20°	6	33	10	32	3,6			
			30°	7	34	13	32,5	4,3			
			40°	10	33	16,5	33,5	4,5			
340.025 W NEW	25	95	45°	11	33	17,5	33,5	4,6	0,330	--	●
			50°	13	32	19	33,5	4,6			
			60°	16	31	22	33,5	4,3			
			70°	19	29	24,5	33,5	3,8			
			80°	23	27	27	31	3			
340.025 WL NEW	25	145	"	"	"	"	"	"	0,530	--	●
340.025 WXL NEW	25	195	"	"	"	"	"	"	0,720	--	●

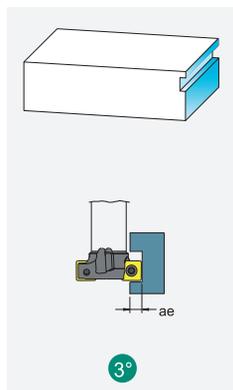
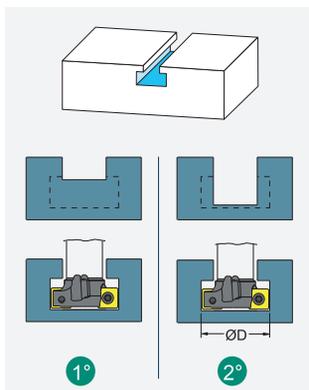
	Cassetta Pocket	Inserto Insert	Vite inserto Insert screw	Vite cassetta Pocket screw	Chiave Key
 Fig. 1 Con cassetta TCMT 16T3... Mit Kasette TCMT 16T3... With pocket TCMT 16T3...	 T16NEW	 TCMT16T3...	 VT40	 M6-16	 BT15
 Fig. 2 Con cassetta SCMT 1204... Mit Kasette SCMT 1204... With pocket SCMT 1204...	 S12NEW	 SCMT1204...	 VT40S	 M6-16	 BT20

FRESE PER CAVE A T _ FRÄSER FÜR T-NUTEN _ T SLOT MILLING CUTTER



250 W

	ØD1	ØD2	L		H		H1	Ødh6	K	Z			KG		STOCK	PRICELIST on
			(mm)		(mm)											
250.021 WW	21	11	76	26	9	16	1	2	SPGT SPMT 060304	VT25	BT08	0,100	●	●		
250.025 WW	25	13	82	31	11	16	2	4				0,100	●	●		
250.032 WW	32	17	88	38	14	20	2	4	SPGT SPMT 09T308	VT35S	BT15	0,200	●	●		
250.040 WW	40	21	108	50	17	25	2	4				0,400	●	●		
250.050 WW	50	27	120	56	22	32	2	4	SPGT SPMT 120408	VT50	BT20	0,670	●	●		



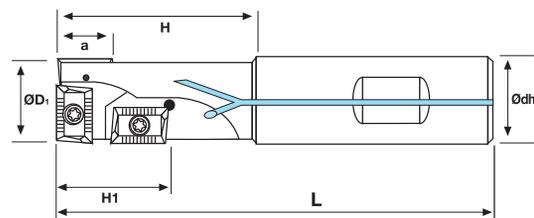
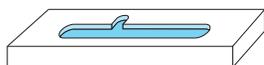
	1°	2°	3°			
ae/D	1 100%	0,5 50%	0,2 20%	0,1 10%	0,05 5%	0,02 2%
Kae	1	1	1,5	2,1	3	4,8

ae/D	0,5-1 50-100%	0,2 20%	0,1 10%	0,05 5%
Vc	Vc (min)-----Vc(max)			
R	R-----M-----F			

NOTE
Per cave a "T" secondo norme DIN 650-UNI 4788-ISO 299
Für "T" Nuten nach DIN 650-uni 4788-ISO 299 Normen
For "T" slot cutters according to DIN 650-UNI4788-ISO 299 norms

- Ve** m/min VELOCITÀ DI TAGLIO - CUTTING SPEED
n giri/min (min-1) NUMERO DI GIRI - NUMBER OF REVOLUTIONS
fz mm AVANZAMENTO AL DENTE - TOOTH FEED
fn mm AVANZAMENTO AL GIRO - FEED I REVOLUTION
Vf mm/min VELOCITÀ DI AVANZAMENTO - FEED SPEED
Kae FATTORE DI CORREZIONE - CORRECTION FACTOR
F FINITURA, LAV. LEGGERA - FINISHING, LIGHT MACHINING
M LAV. MEDIA, GENERICA - MEDIUM MACHINING, GENERIC
R SGROSSATURA, LAV. PESANTE - ROUGHING, HEAVY MACHINING
Z Numero di eliche / Schraubenanzahl / Number of flutes
K Fattore d'avanzamento / Vorschubfaktor / Factor of feed

FRESE FORANTI _ BOHRNUTFRÄSER _ DRILLING ENDMILL



720 W

	ØD1	Ødh6	L		H		a	Z			KG		STOCK	PRICELIST on	
			(mm)		(mm)										
720W W D20	20	20	90	35	17	9	3		APKT 1003...	VT25	BT08	0,200	●	●	
720W W D25	25	25	110	50	19	9	3					0,360	●	●	
720W W D32	32	32	130	50	30	15	3		APKT 1604...	VT40	BT15	0,720	●	●	
Serie lunga - Lange Ausführung - Long models															
720W WL D20	20	20	150	98	17	9	3		APKT 1003...	VT25	BT08	0,320	●	●	
720W WL D25	25	25	150	94	19	9	3					0,500	●	●	
Serie extra lunga - Extralange Ausführung - Extralong models															
720W WXL D20	20	20	180	125	17	9	3		APKT 1003...	VT25	BT08	0,390	●	●	
720W WXL D25	25	25	200	140	19	9	3					0,680	●	●	
720W WXL D32	32	32	220	160	30	15	3		APKT 1604...	VT40	BT15	1,250	●	●	

● Disponibile - Lieferbar - On stock

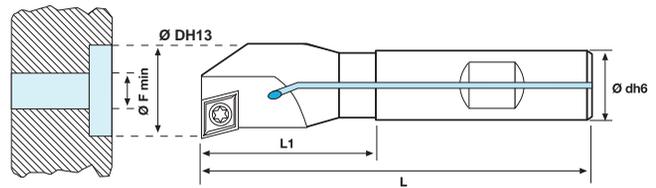
○ A richiesta - Auf Anfrage - On request

2023/24



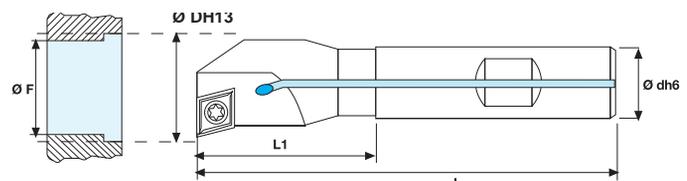
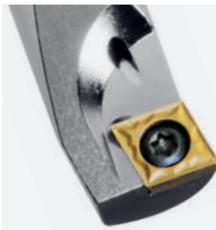
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FRESE PER LAMATURA ED ALESATURA SENKFRÄSER UND AUSBOHRER _ SPOT FACING AND BORING MILLING CUTTERS



380 W

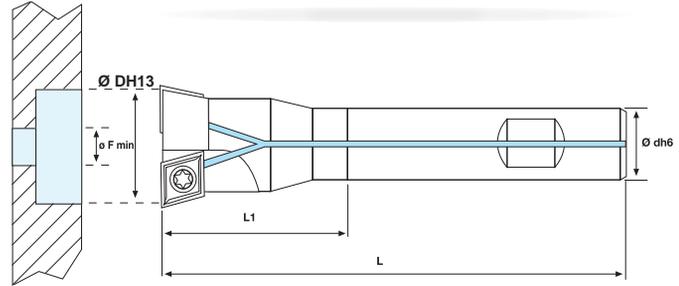
	Ø D	L	L1	Ø dh6	Ø Fmin	Z				KG	STOCK	PRICELIST on
380W W D10	10	85	15	12	4	1				0,060	●	
380W W D11	11	85	15	12	4	1				0,060	●	
380W W D12	12	85	18	12	4	1				0,070	●	
380W W D13	13	85	23	12	5	1	CCMT 060204	VT25B	BT08	0,070	●	
380W W D14	14	85	23	12	5	1				0,070	●	
380W W D15	15	85	30	12	5	1				0,070	●	
380W W D16	16	85	30	12	5	1				0,070	●	
380W W D17	17	95	30	16	6	1				0,120	●	
380W W D18	18	95	40	16	6	1				0,120	●	
380W W D19	19	95	40	16	6	1				0,130	●	
380W W D20	20	95	40	16	5	1				0,140	●	
380W W D21	21	95	42	16	5	1				0,140	●	
380W W D22	22	95	42	16	6	1				0,140	●	
380W W D23	23	95	42	16	6	1	0,170	●				
380W W D24	24	95	42	16	6	1	CCMT 09T304	VT40	BT15	0,280	●	
380W W D25	25	95	42	16	8	1				0,300	●	
380W W D26	26	120	56	20	8	1				0,300	●	
380W W D27	27	120	56	20	9	1				0,310	●	
380W W D28	28	120	56	20	10	1				0,320	●	
380W W D29	29	120	56	20	11	1				0,320	●	
380W W D30	30	120	56	20	12	1				0,340	●	
380W W D31	31	120	56	20	12	1				0,360	●	
380W W D32	32	120	56	20	13	1				0,360	●	
380W W D33	33	120	56	20	14	1				0,360	●	



385 W

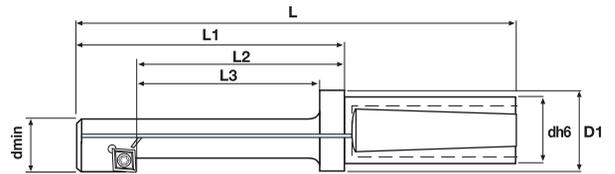
	Ø D	L	L1	Ø dh6	Ø Fmin	Z				KG	STOCK	PRICELIST on
385W W D10	9,8	90	23	8	4,5	1				0,060	●	
385W W D11	10,8	105	24	10	3,5	1				0,060	●	
385W W D12	11,8	105	25	10	3	1				0,070	●	
385W W D13	12,8	105	26	10	2,5	1				0,070	●	
385W W D14	13,8	110	27	12	3	1	CCMT 060204	VT25B	BT08	0,070	●	
385W W D15	14,8	120	28	12	3,5	1				0,070	●	
385W W D16	15,8	125	29	12	4	1				0,070	●	
385W W D17	16,8	140	30	16	5	1				0,120	●	
385W W D18	17,8	140	31	16	6	1				0,120	●	
385W W D19	18,8	150	32	16	7	1				0,130	●	
385W W D20	19,8	150	33	16	8	1				0,140	●	
385W W D21	20,8	160	34	16	9	1				0,140	●	
385W W D22	21,8	160	35	20	10	1				0,140	●	
385W W D23	22,8	165	36	20	11	1				0,170	●	
385W W D24	23,8	170	37	20	12	1	CCMT 09T304	VT40	BT15	0,280	●	
385W W D25	24,8	180	38	20	13	1				0,300	●	
385W W D26	25,8	185	39	20	14	1				0,300	●	
385W W D27	26,8	190	40	20	15	1				0,310	●	
385W W D28	27,8	190	41	20	16	1				0,320	●	
385W W D29	28,8	200	42	20	17	1				0,320	●	
385W W D30	29,8	200	43	25	18	1				0,340	●	
385W W D31	30,8	200	44	25	19	1				0,360	●	
385W W D32	31,8	200	45	25	20	1				0,360	●	

FRESE PER LAMATURA 180° _ 180° SENKFRÄSER _ 180° SPOT-FACING END MILLS



480 W	Ø D	L	L1	Ø dh6	Ø Fmin	Z					STOCK	PRICELIST on
			(mm)									
480W W D15	15	92	30	12	5	2				0,070	●	
480W W D16	16	92	30	12	5	2				0,070	●	
480W W D17	17	94	32	16	6	2				0,120	●	
480W W D17,5	17.5	96	40	16	6.5	2				0,120	●	
480W W D18	18	97	41	16	7	2				0,120	●	
480W W D19	19	100	41	16	8	2	CCMT 060204	VT25B	BT08	0,130	●	
480W W D20	20	102	41	16	9	2				0,140	●	
480W W D21	21	105	41	16	10	2				0,150	●	
480W W D22	22	110	41	16	11	2				0,160	●	
480W W D23	23	112	41	16	12	2				0,170	●	
480W W D24	24	115	41	16	13	2				0,180	●	
480W W D25	25	120	40	16	8	2				0,180	●	
480W W D26	26	125	55	20	9	2				0,270	●	
480W W D27	27	128	55	20	10	2				0,300	●	
480W W D28	28	130	55	20	11	2				0,310	●	
480W W D29	29	132	55	20	12	2				0,330	●	
480W W D30	30	134	55	20	13	2				0,340	●	
480W W D31	31	136	55	20	14	2				0,350	●	
480W W D32	32	138	55	20	15	2				0,370	●	
480W W D33	33	140	55	20	16	2	CCMT 09T304	VT40	BT15	0,390	●	
480W W D34	34	140	60	25	16	2				0,540	●	
480W W D35	35	140	60	25	17	2				0,550	●	
480W W D36	36	140	60	25	18	2				0,560	●	
480W W D37	37	140	60	25	19	2				0,580	●	
480W W D38	38	140	60	25	20	2				0,590	●	
480W W D39	39	140	60	25	21	2				0,610	●	
480W W D40	40	140	60	25	22	2				0,620	●	
480W W D41	41	140	60	25	23	2				0,640	●	
480W W D42	42	140	60	25	24	2				0,650	●	
480W W D43	43	150	70	25	24	2				0,670	●	
480W W D44	44	150	70	25	24	2				0,690	●	
480W W D45	45	150	70	25	24	2	CCMT 120404	VT50	BT20	0,700	●	
480W W D46	46	150	70	25	24	2				0,720	●	
480W W D47	47	150	70	25	24	2				0,740	●	
480W W D48	48	150	70	25	24	2				0,760	●	

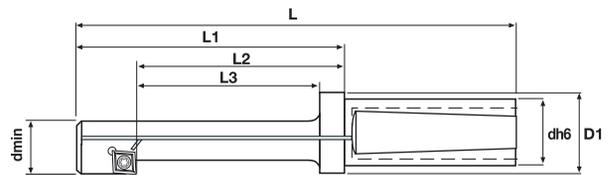
FRESE PER LAMATURA A TIRARE 180° RÜCKWÄRTSSENER 180° _ 180° BACK FACING MILLING CUTTERS



360 W

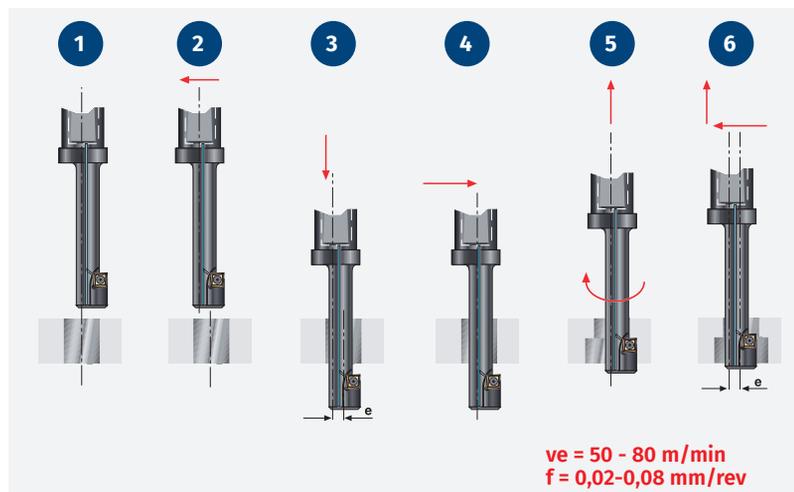
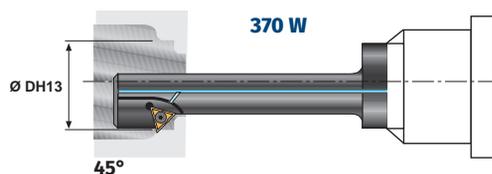
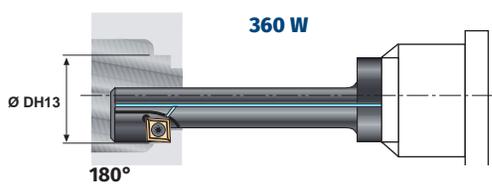
		↔ (mm)															
D	Dmin	L	L1	L2	L3	dh6	D1	e				KG		STOCK	PRICELIST on		
360W D15	(HE)	15	8.5	105	55	42	35	20	25	3.5	CPMT 05T104...	VT22	BT07	0,170	--	●	
360W D18	(HE)	18	10.5	112	62	47	40	20	25	4				0,170	--	●	
360W W D20	(HE)	20	13	117	67	52	45	20	25	3.75				0,180	💧	●	
360W W D24	(HE)	24	15	122	72	57	50	20	25	4.75	CCMT 060204	VT25B	BT08	0,190	💧	●	
360W W D26	(HE)	26	17	132	82	67	60	20	25	5				0,210	💧	●	
360W W D30	(HE)	30	19	142	92	77	65	20	25	6				0,250	💧	●	
360W W D33	(HE)	33	21	152	102	82	75	20	25	6.5				0,270	💧	●	
360W W D36	(HE)	36	23	173	113	93	85	32	40	7				0,630	💧	●	
360W W D40	(HE)	40	25	183	123	103	95	32	40	8	CCMT 09T304	VT40	BT15	0,670	💧	●	
360W W D43	(HE)	43	30	183	123	103	95	32	40	7				0,860	💧	●	
360W W D48	(HE)	48	33	223	163	143	135	32	40	8				1,120	💧	●	
360W W D53	(HB)	53	36	210	140	--	110	40	--	9				1,420	💧	●	
360W W D57	(HB)	57	39	220	150	--	120	40	--	9.5	CCMT 120404	VT50	BT20	1,620	💧	●	
360W W D66	(HB)	66	45	245	165	--	135	50	--	11				2,620	💧	●	
360W W D76	(HB)	76	52	265	185	--	155	50	--	12.5				3,250	💧	●	

FRESE PER SMUSSO A TIRARE 45° _ RÜCKWÄRTSFAS 45° _ BACK CHAMFERING MILLING CUTTER 45°



370 W

		↔ (mm)															
D	Dmin	L	L1	L2	L3	dh6	D1	e				KG		STOCK	PRICELIST on		
370W D15	(HE)	15	10	105	55	42	35	25	2.70	TCMT 0802...	VT22B	BT06	0,170	--	●		
370W W D20	(HE)	20	14	110	60	47	40	25	3.20				0,180	💧	●		
370W W D23	(HE)	23	17	120	70	57	50	25	3.20				0,190	💧	●		
370W W D27	(HE)	27	21	140	90	77	70	25	3.20	TCMT 1102...	VT25B	BT08	0,210	💧	●		
370W W D31	(HE)	31	24	150	100	87	80	25	3.70				0,250	💧	●		



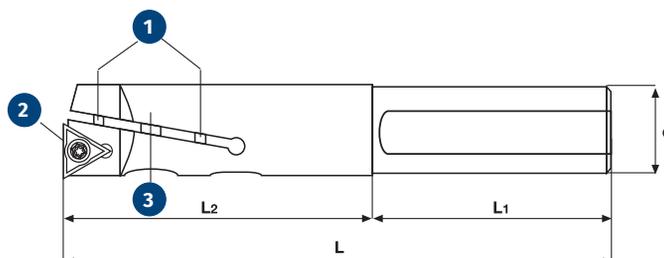
BARENI REGISTRABILI PER ALESATURA EINSTELLBARE FEINBOHRSTANGEN _ ADJUSTEMENT BORING BARS



R.A.I.



R.A.I. CCMT...

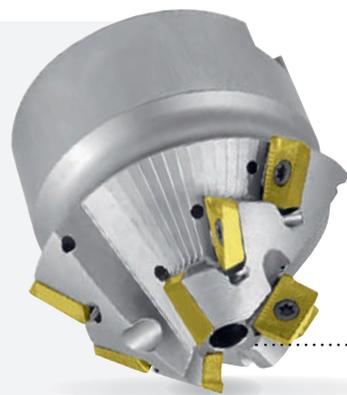


R.A.I.	L	L1	← (mm)			Dmin	Dmax	1	2	3	INSERTO Wendepalte insert	KG	STOCK	PRICELIST on
			L2	d										
R.A.I. 06	85	65	20	8	06	07	RE 11	VT24	BL 11		WCMT 0201...	0,020		
R.A.I. 07	90	65	25	8	07	08	RE 9	VT20	BL 9		TPGX 0601 ..L	0,020		
R.A.I. 08	90	65	25	8	08	10	RE 10	VT20	BL 10		TPGX 0601 ..L	0,030		
R.A.I. 10	100	70	30	10	10	12	RE 0	VT20	BL 0		TPGX 0802 ..L	0,070		
R.A.I. 12	105	65	40	12	12	15	RE 1	VT20	BL 1		TPGX 0802 ..L	0,100		
R.A.I. 15	110	60	50	16	15	20	RE 2	VT20	BL 2		TPGX 0802 ..L	0,170		
R.A.I. 20	120	60	60	20	20	25	RE 3	VT25	BL 3		TCMT 1102...	0,270		
R.A.I. 25	140	70	70	25	25	30	RE 4	VT40	BL 4		TCMT 16T3...	0,480		
R.A.I. 30	160	70	90	25	30	35	RE 5	VT40	BL 5		TCMT 16T3...	0,620		
R.A.I. 35	170	70	100	32	35	40	RE 6	VT40	BL 6		TCMT 16T3...	1,050		
R.A.I. 40	190	70	120	32	40	45	RE 7	VT40	BL 7		TCMT 16T3...	1,400		
R.A.I. 45	220	70	150	32	45	50	RE 8	VT40	BL 8		TCMT 16T3...	2,040		
R.A.I. 10 CCMT	100	70	30	10	10	12	RE 1	VT25B	BL 0		CCMT 0602...	0,070		
R.A.I. 12 CCMT	105	65	40	12	12	15	RE 1	VT25B	BL 1		CCMT 0602...	0,100		
R.A.I. 15 CCMT	110	60	50	16	15	20	RE 2	VT25B	BL 2		CCMT 0602...	0,170		
R.A.I. 20 CCMT	120	60	60	20	20	25	RE 3	VT25B	BL 3		CCMT 0602...	0,270		
R.A.I. 25 CCMT	140	70	70	25	25	30	RE 4	VT35	BL 4		CCMT 09T3...	0,480		
R.A.I. 30 CCMT	160	70	90	25	30	35	RE 5	VT35	BL 5		CCMT 09T3...	0,620		
R.A.I. 35 CCMT	170	70	100	32	35	40	RE 6	VT35	BL 6		CCMT09T3...	1,050		
R.A.I. 40 CCMT	190	70	120	32	40	45	RE 7	VT35	BL 7		CCMT 09T3...	1,400		
R.A.I. 45 CCMT	220	70	150	32	45	50	RE 8	VT35	BL 8		CCMT 09T3...	2,040		

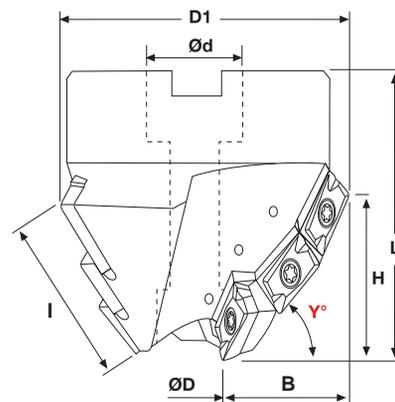
Serie lunga - Lange Ausführung - Long models

R.A.I. 12 SL	130	70	60	12	12	15	RE 1	VT20	BL 1		TPGX 0802 ..L	0,200		
R.A.I. 15 SL	140	70	70	16	15	20	RE 2	VT20	BL 2		TPGX 0802 ..L	0,270		
R.A.I. 20 SL	150	70	80	20	20	25	RE 3	VT25	BL 3		TCMT 1102...	0,370		
R.A.I. 25 SL	170	70	100	25	25	30	RE 4	VT40	BL 4		TCMT 16T3...	0,580		
R.A.I. 30 SL	190	70	120	25	30	35	RE 5	VT40	BL 5		TCMT 16T3...	0,720		
R.A.I. 35 SL	220	70	150	32	35	40	RE 6	VT40	BL 6		TCMT 16T3...	1,150		

FRESE PER SMUSSI _ FASENFRÄSER _ CHAMFERING MILLING CUTTERS



Ø d 16 = VT.FB.030
Ø d 22 = VT.FB.035



15°-20°-30°-40°-45°-60°-75°

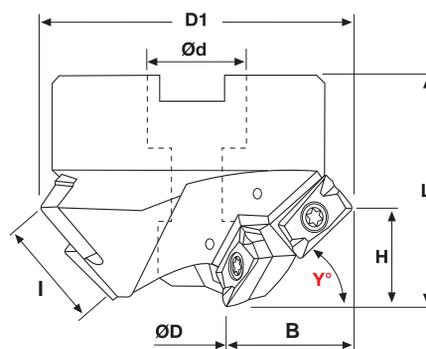
FB: 030	↔ (mm)										APHT APHX APKT 1003...	VT25	BT08	KG	STOCK	PRICELIST on
	ØD	D1	Ød	L	B	I	Y°	H	Z	K						
FB.030.001 W	17	56	22	50	17,8	27,5	45°	19	9	3			0,470	●		
FB.030.002 W	17	45	16	50	13	27,5	60°	24	9	3			0,280	●		
FB.030.003 W	17	65	22	50	24	27,5	30°	13	9	3			0,600	●		
FB.030.004 W	17	70	22	50	27	27,5	15°	7	9	3			0,770	●		
FB.030.005 W	19	33	16	60	7	27,5	75°	27	9	3			0,270	●		
FB.030.006 W	17	60	22	50	19	27,5	40°	17	9	3			0,520	●		
FB.030.007 W	17	69	22	50	26	27,5	20°	9	9	3			0,700	●		

Disponibile a richiesta anche FB 030 con gradazioni differenti Y°
Lieferbar auf Anfrage FB 030 mit verschiedenen Graden Y°
Available on request FB 030 with different grades Y°

K= Fattore d'avanzamento _ Vorschubfaktor _ Factor of feed



Ø d 22 = VT.FB.035
Ø d 27 = VT.FB.STANDARD
(DIN912 M12X 30)



10°-15°-20°-30°-40°-45°-50°-60°-75°

FB: 035	↔ (mm)										APHT APHX APKT 1604...	VT40	BT15	KG	STOCK	PRICELIST on
	ØD	D1	Ød	L	B	I	Y°	H	Z	K						
FB.035.001 W	35	77,8	27	50	21,4	30	45°	21,5	6	3			0,780	●		
FB.035.002 W	35	65	27	50	15,1	30	60°	26,5	6	3			0,580	●		
FB.035.003 W	35	88	27	50	26,5	30	30°	15,0	6	3			1,000	●		
FB.035.004 W	35	94	27	50	29,5	30	15°	8,0	6	3			1,190	●		
FB.035.005 W	35	50,7	22	60	8	30	75°	29,5	6	3			0,460	●		
FB.035.006 W	35	84	27	50	24,5	30	40°	19	6	3			0,860	●		
FB.035.007 W	35	91	27	50	28,5	30	20°	10	6	3			1,130	●		
FB.035.008 W	35	73	27	50	18	30	50°	23	6	3			0,820	●		
FB.035.009 W	35	98	27	50	32	30	10°	6	6	3			1,260	●		

Disponibile a richiesta anche FB 035 con gradazioni differenti Y°
Lieferbar auf Anfrage FB 035 mit verschiedenen Graden Y°
Available on request FB 035 with different grades Y°

K= Fattore d'avanzamento _ Vorschubfaktor _ Factor of feed



BOX TCMT SET W	Frese smussi e svasature Fasen Fräser Milling cutters for chamfering	KG	STOCK	SPECIAL NET PRICE PROMO
Art. SET 300W W - 45°	n° 1  300.016 WW	0,270		●
	n° 1  300.021 WW			



BOX TCMT SET W	Frese smussi e svasature Fasen Fräser Milling cutters for chamfering	KG	STOCK	SPECIAL NET PRICE PROMO
Art. SET 310W W - 60°	n° 1  310.016 WW	0,270		●
	n° 1  310.027 WW			



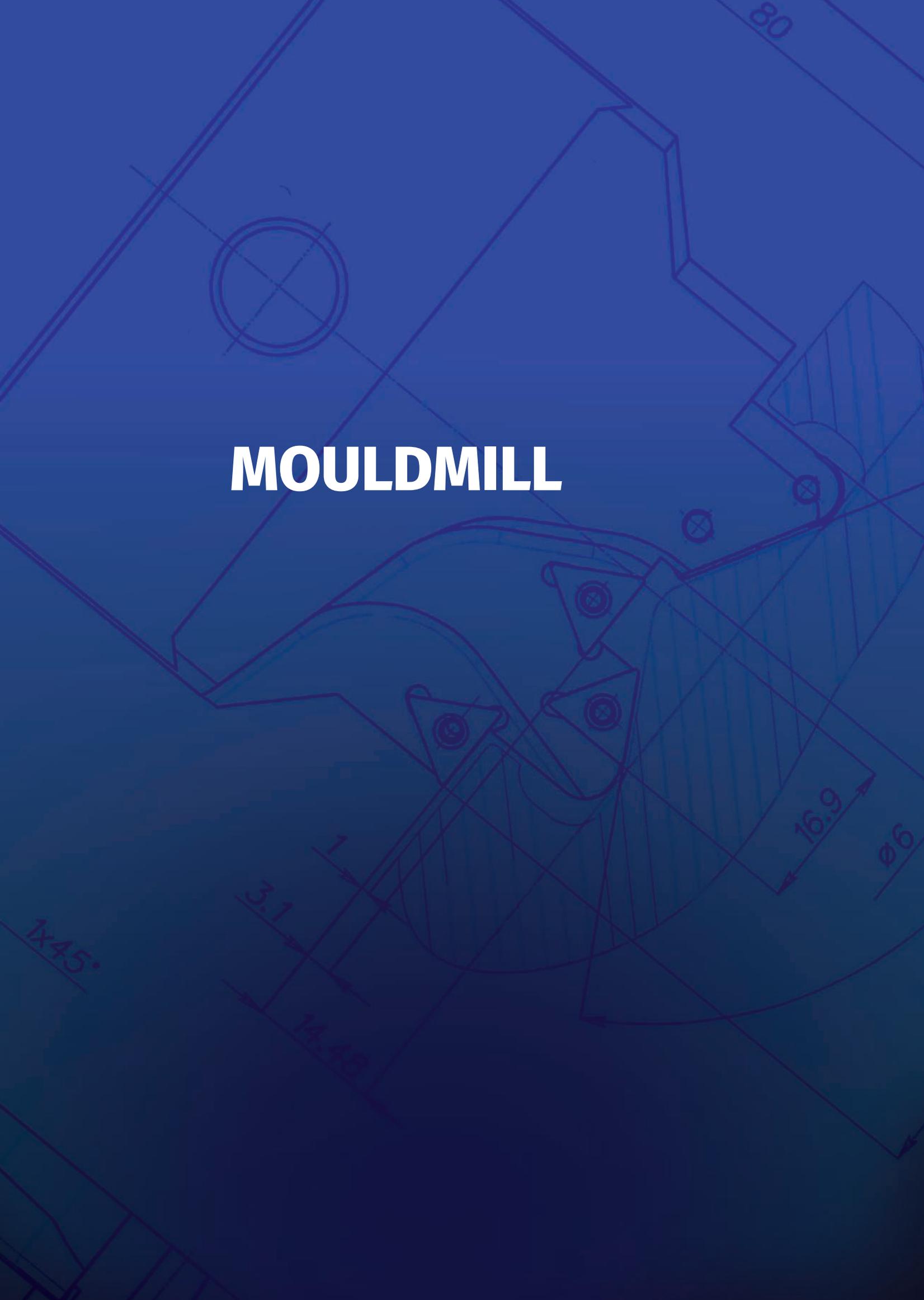
BOX TCMX SET W	Frese per smussi, scanalature a V e centrare 45° Fas-und Zentrierfräser 45° Center drilling, chamfering and V grooving 45°	KG	STOCK	SPECIAL NET PRICE PROMO
Art. SET 311W W	n° 1  311.020 WW	0,330		●
	n° 4  TCMX 16T3ZR TiN			



BOX SEEX SET W	Frese per smussi, scanalature a V e centrare 45° / 30° Fas-und Zentrierfräser 45° / 30° Center drilling, chamfering and V grooving 45° / 30°	KG	STOCK	SPECIAL NET PRICE PROMO
Art. SET 160W W - 45°	n° 1  160.45 W	0,250		●
	n° 5  SEEX 12T408 TiN			



BOX TCGX SET W	Fresa per sbavatura e smusso 45° Fasen Fräser 45° Chamfering Milling Cutter 45°	KG	STOCK	SPECIAL NET PRICE PROMO
Art. SET 7745-0525	n° 1  7745VT16-C12-0525	0,200		●
	n° 4  TCGX 163504...			



80

MOULDMILL

16.9

Ø6

1

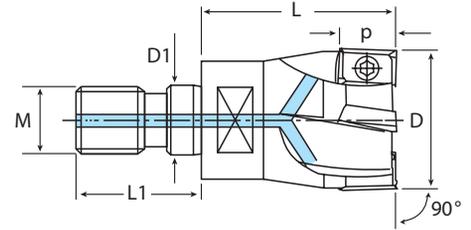
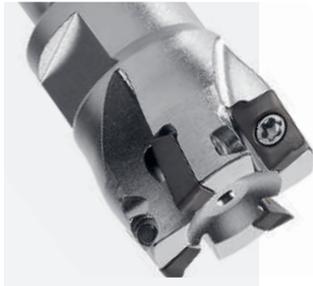
3.1

14.42

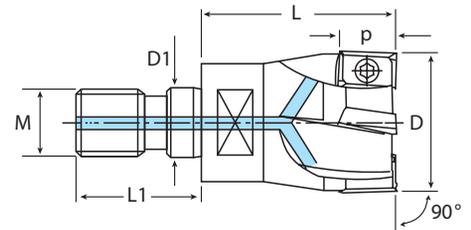
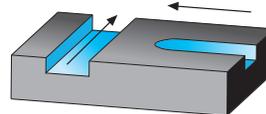
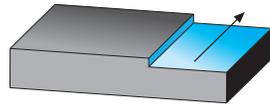
1x45°

The image shows a technical drawing of a mouldmill component. The drawing includes various dimensions and a chamfered edge. The dimensions are: 80 (top edge), 16.9 (width of a section), Ø6 (diameter of a hole), 1 (width of a small section), 3.1 (width of a section), 14.42 (width of a section), and 1x45° (chamfered edge).

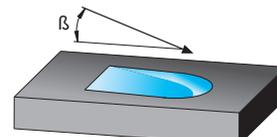
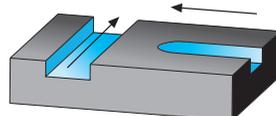
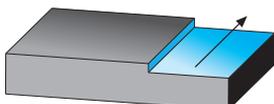
FRESE MODULARI PER SPALLAMENTO EINSCHRAUBKUGELGESENKFRÄSER _ THREADED TYPE MILLING CUTTERS



741MO.N	↔ (mm)							APKT APMX 0602...	VT18	BT06	KG	STOCK	PRICELIST on
	D	D1	L	L1	M	p	Z						
741MO D10/2 N	10	6,5	16	14,5	M6	5,2	2				0,010	●	
741MO D12/3 N	12	6,5	16	14,5	M6	5,2	3				0,010	●	
741MO D16/4 N	16	8,5	21	17,5	M8	5,2	4				0,020	●	
741MO D20/5 N	20	10,5	26	20	M10	5,2	5				0,050	●	
741MO D25/7 N	25	12,5	30	22	M12	5,2	7				0,100	●	
741MO D32/8 N	32	17	43	23	M16	5,2	8				0,240	●	

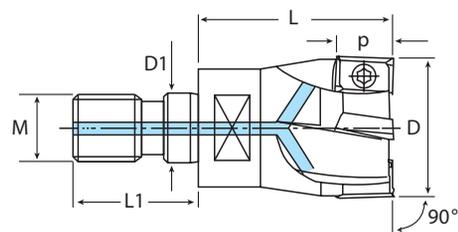


740MO	↔ (mm)							APHT APHX APKT 1003...	VT25	BT08	KG	STOCK	PRICELIST on
	D	D1	L	L1	M	p	β						
740MO D10/1	10	6,5	20	14,5	M6	10	11,0°	1			0,010	●	
740MO D12/1	12	6,5	20	14,5	M6	10	9,0°	1			0,010	●	
740MO D16/2	16	8,5	25	17,5	M8	10	3,5°	2			0,020	●	
740MO D20/3	20	10,5	30	20	M10	10	1,5°	3			0,050	●	
740MO D25/3	25	12,5	35	22	M12	10	0,9°	3			0,100	●	
740MO D25/4	25	12,5	35	22	M12	10	0,9°	4			0,900	●	
740MO D28/4	28	12,5	35	22	M12	10	0,9°	4			0,120	●	
740MO D30/4	30	17	43	24	M16	10	0,6°	4			0,210	●	
740MO D32/5	32	17	43	24	M16	10	0,6°	5			0,220	●	



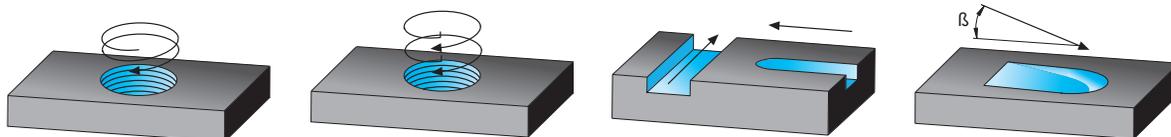
730MO	↔ (mm)							APHT APHX APKT 1604...	VT40	BT15	KG	STOCK	PRICELIST on
	D	D1	L	L1	M	p	β						
730MO D32/3	32	17	46	24	M16	17	2,0°	3			0,220	●	
730MO D40/4	40	17	46	24	M16	17	1,5°	4			0,330	●	

FRESE MODULARI PER SPALLAMENTO EINSCHRAUBKUGELGESENKFRÄSER _ THREADED TYPE MILLING CUTTERS

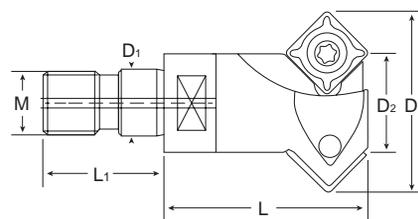


745MO

	↔ (mm)														PRICELIST on
	D	D1	L	L1	M	p	β	z				KG			
745MO D20/3	20	10,5	30	20	M10	10	4,0°	3	LNEX	VT 30	BT09	0,050			
745MO D25/3	25	12,5	35	22	M12	10	3,5°	3	LNX	745		0,100			
745MO D32/4	32	17	43	24	M16	10	3,0°	4	LNMX			0,230			

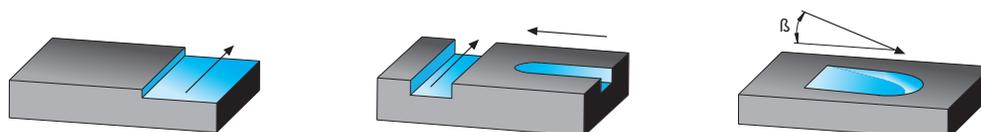


FRESE MODULARI PER SMUSSO EINSCHRAUBFASENFRÄSER _ THREADED TYPE MILLING CUTTERS

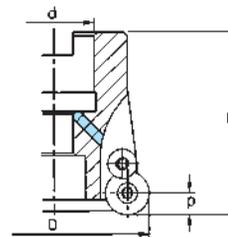


321MO

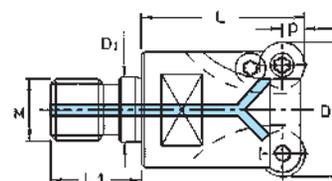
	↔ (mm)													PRICELIST on
	D	D1	D2	L	L1	M	z				KG			
321MO D12/1	23,7	8,5	12	30	17,5	8	1	SPGT	VT35S	BT15	0,190			
321MO D16/2	28,8	10,5	16	30	20	10	2	SPMT			0,150			
321MO D30/3	42,3	17	30	35	24	16	3	09T3...			0,270			



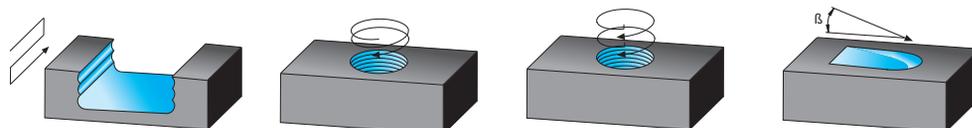
FRESE A COPIARE EINSCHRAUBKUGELGESENKFRÄSER FÜR RUND - WSP _ THREADED TYPE MILLING CUTTERS



400M	↔ (mm)						D	z	RD..	VT	CVB	BT	KG	STOCK	PRICELIST on
	D	d	H	p	β	z									
400M 042-10/6	42	16	44	5	-	6	RD.. 1003...					0,240	●		
400M 052-12/5	52	22	50	6	5,7°	5	RD.. 12T3...	VT35	--	CVB 35	BT15	0,360	●		
400M 066-12/6	66	27	50	6	4,1°	6	RD.. 12T3...					0,610	●		
400M 080-12/7	80	27	50	6	3,2°	7	RD.. 12T3...					1,080	●		
400M 052-16/4	52	22	50	8	8,8°	4	RD.. 1604...					0,330	●		
400M 066-16/5	66	27	50	8	6,0°	5	RD.. 1604...					0,500	●		
400M 080-16/6	80	27	50	8	4,5°	6	RD.. 1604...	VT45	CVB 45	--	BT20	1,050	●		
400M 100-16/7	100	32	55	8	3,7°	7	RD.. 1604...					1,800	●		
400M 125-16/8	125	40	55	8	2,8°	8	RD.. 1604...					2,300	●		
400M 160-16/9	160	40	55	8	1,8°	9	RD.. 1604...					4,460	●		



400MO	↔ (mm)							D	L	M	D1	L1	p	β	z	RD..	VT	CVB	BT	KG	STOCK	PRICELIST on
	D	L	M	D1	L1	p	β															
400MO D10/2	10	18	M6	6,5	14,5	2,5	28,9°	2	RD.. 0501...							0,010					●	
400MO D20/5	20	30	M10	10,5	20	2,5	6,9°	5	RD.. 0501...	VT18	--	--				0,060	●				●	
400MO D12/2	12	18	M6	6,5	14,5	3,5	22,7°	2	RD.. 07T1...							0,010	●				●	
400MO D15/2	15	23	M8	8,5	17,5	3,5	20,0°	2	RD.. 0702...							0,020	●				●	
400MO D15/3	15	23	M8	8,5	17,5	3,5	20,0°	3	RD.. 0702...	VT2530	--	--				0,030	●				●	
400MO D20/4	20	30	M10	10,5	20	3,5	11,0°	4	RD.. 0702...							0,060	●				●	
400MO D25/5	25	35	M12	12,5	22	3,5	7,3°	5	RD.. 0702...							0,100	●				●	
400MO D30/5	30	43	M16	17	24	3,5	5,4°	5	RD.. 0702...							0,200	●				●	
400MO D20/2	20	30	M10	10,5	20	5	39,0°	2	RD.. 1003...							0,050	●				●	
400MO D25/2	25	35	M12	12,5	22	5	14,3°	2	RD.. 1003...							0,100	●				●	
400MO D25/3	25	35	M12	12,5	22	5	14,3°	3	RD.. 1003...							0,090	●				●	
400MO D30/4	30	43	M16	17	24	5	9,3°	4	RD.. 1003...	VT35	--	--				0,200	●				●	
400MO D35/4	35	43	M16	17	24	5	7,3°	4	RD.. 1003...							0,200	●				●	
400MO D35/5	35	43	M16	17	24	5	7,3°	5	RD.. 1003...							0,250	●				●	
400MO D42/5	42	43	M16	17	24	5	5,4°	5	RD.. 1003...							0,250	●				●	
400MO D24/2	24	35	M12	12,5	22	6	-	2	RD.. 12T3...							0,100	●				●	
400MO D35/3	35	43	M16	17	24	6	-	3	RD.. 12T3...	VT35	--	CVB 35				0,200	●				●	
400MO D42/4	42	43	M16	17	24	6	8,3°	4	RD.. 12T3...							0,250	●				●	
400MO D32/2	32	43	M16	17	24	8	-	2	RD.. 1604...	VT45	CVB 45	--				0,200	●				●	

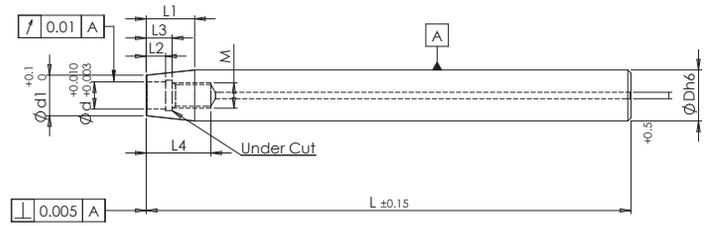


ADATTATORI IN METALLO DURO _ VHM VERLÄNGERUNGEN _ CARBIDE ADAPTORS

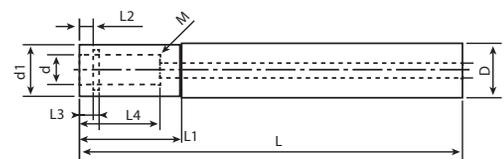
MILLING

MINIMILL

MOULDMILL



PCIMD	D	d	d1	L	L1	L2	L3	L4	M	KG	STOCK	PRICELIST on
PCIMD12 060 M06	12	6,5	9,7	60	15	5	8	19	6	0,100	●	●
PCIMD12 080 M06	12	6,5	9,7	80	15	5	8	19	6	0,140	●	●
PCIMD12 100 M06	12	6,5	9,7	100	15	5	8	19	6	0,200	●	●
PCIMD12 150 M06	12	6,5	9,7	150	15	5	8	19	6	0,300	●	●
PCIMD16 080 M08	16	8,5	12,7	80	15	6	9	20	8	0,350	●	●
PCIMD16 100 M08	16	8,5	12,7	100	15	6	9	20	8	0,350	●	●
PCIMD16 120 M08	16	8,5	12,7	120	15	6	9	20	8	0,350	●	●
PCIMD16 150 M08	16	8,5	12,7	150	15	6	9	20	8	0,350	●	●
PCIMD16 200 M08	16	8,5	12,7	200	15	6	9	20	8	0,600	●	●
PCIMD20 100 M10	20	10,5	17,7	100	20	10	13	26	10	0,500	●	●
PCIMD20 140 M10	20	10,5	17,7	140	20	10	13	26	10	0,700	●	●
PCIMD20 200 M10	20	10,5	17,7	200	20	10	13	26	10	0,900	●	●
PCIMD25 100 M12	25	12,5	20,7	100	30	10	13	26	12	0,500	●	●
PCIMD25 150 M12	25	12,5	20,7	150	30	10	13	26	12	0,500	●	●
PCIMD25 200 M12	25	12,5	20,7	200	30	10	13	26	12	0,900	●	●
PCIMD25 250 M12	25	12,5	20,7	250	30	10	13	26	12	1,-0	●	●
PCIMD32 100 M16	32	17	28,7	100	30	10	14	30	16	1,250	●	●
PCIMD32 150 M16	32	17	28,7	150	30	10	14	30	16	1,900	●	●



PCCMD	D	d	d1	L	L1	L2	L3	L4	M	KG	STOCK	PRICELIST on
PCCMD10 150 M6	10	6,5	9,8	150	30	5	7	19	6	0,300	○	○
PCCMD12 150 M6	12	6,5	10,8	150	27	5	7	19	6	0,300	○	○
PCCMD16 150 M8	16	8,5	15	150	27	6	8	20	8	0,350	○	○
PCCMD16 200 M8	16	8,5	15	200	31	6	8	20	8	0,600	○	○
PCCMD20 200 M10	20	10,5	18	200	36	10	12	24	10	0,900	○	○
PCCMD20 250 M10	20	10,5	18	250	44	10	12	24	10	1,-0	○	○
PCCMD25 200 M12	25	12,5	22,5	200	36	10	12	26	12	0,500	○	○
PCCMD25 250 M12	25	12,5	22,5	250	44	10	12	26	12	1,-0	○	○
PCCMD32 250 M16	32	17	28,6	250	44	10	13	28	16	2,100	○	○
PCCMD32 300 M16	32	17	28,6	300	52	10	13	28	16	2,300	○	○

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

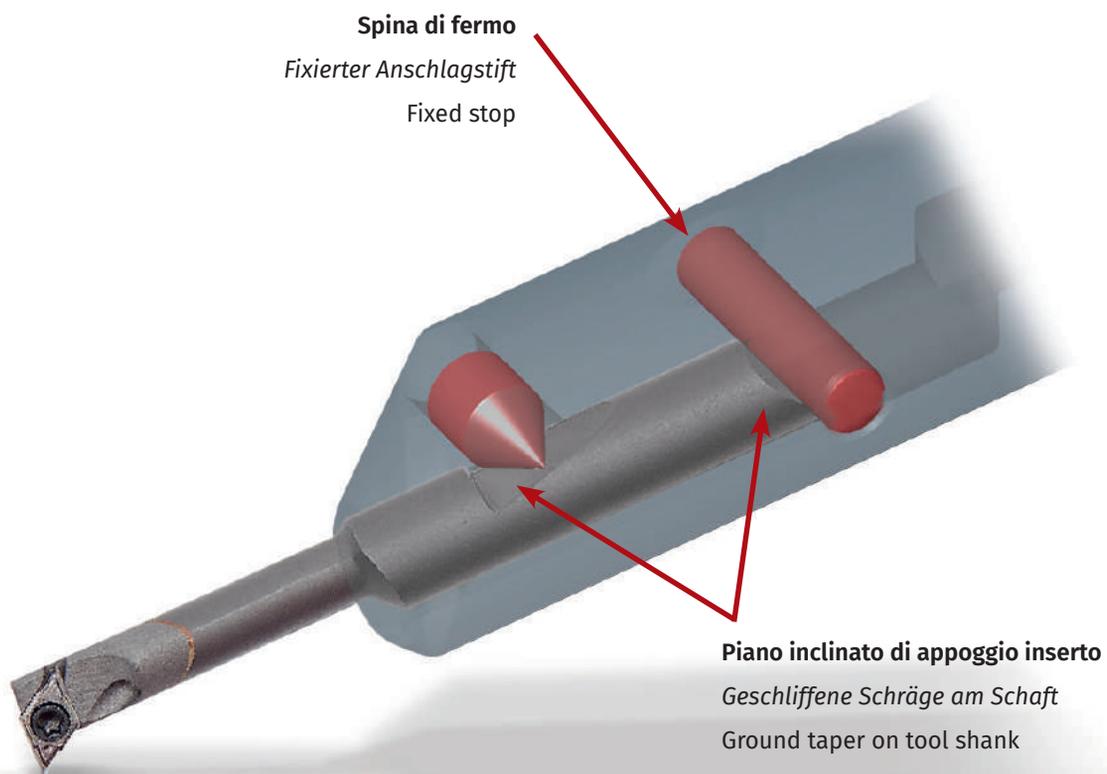
2023/24



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The background is a technical drawing of a mechanical part, possibly a microtool or a component of a larger machine. It features various geometric shapes, lines, and dimensions. A prominent circular feature with a crosshair is located in the upper left. The drawing includes several dimension lines with numerical values: '80' at the top right, '16.9' and 'ø6' on the right side, and '1', '3.1', and '14.45' at the bottom. A '1x45°' angle is indicated at the bottom left. The overall style is that of a precision engineering drawing.

MICROTOOLS AMS



Spina di fermo
Fixierter Anschlagstift
Fixed stop

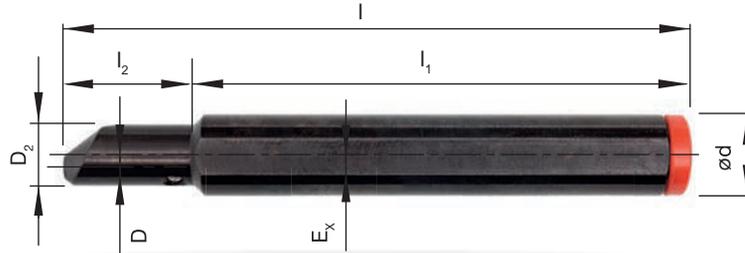
Piano inclinato di appoggio inserto
Geschliffene Schräge am Schaft
Ground taper on tool shank

Garanzia del centraggio del filo di taglio grazie all'inserto completamente rettificato

Garantierte Spitzenhöhe durch komplett geschliffene Schneideinsätze

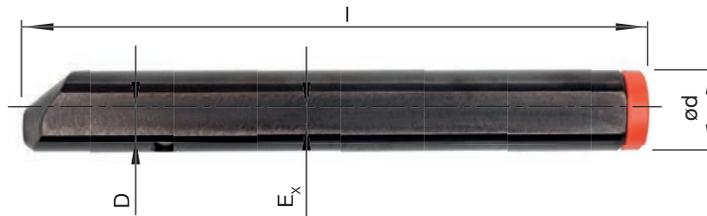
Guaranteed tip height due to fully ground inserts

ADATTATORI AMS _ KLEMMHALTER AMS _ HOLDERS AMS



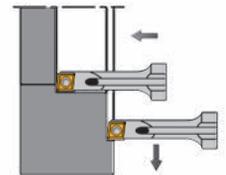
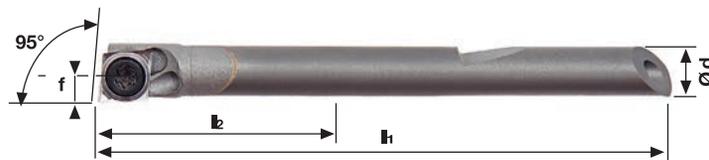
HAMS

	D	D2	d	l	l ₁	l ₂	Ex				KG		STOCK	PRICELIST on
HAMS 1604R/L	4	12	16	120	95	25	2,35	AS 0043	KVR 16	KP3111	0,150		●	

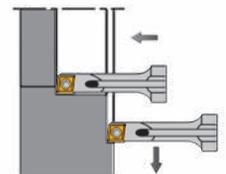
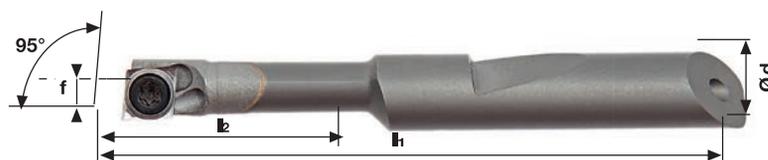


HAMS

	D	d	l	Ex				KG		STOCK	PRICELIST on
HAMS 1606R/L	6	16	120	2,8	AS 0044	KVR 16	KP1111	0,160		●	
HAMS 1608R/L	8	16	120	2,8				0,160		●	

BARENI PER TORNITURA INTERNA AMS
BOHRSTANGEN FÜR DIE INNENBEARBEITUNG AMS _ INTERNAL BORING BARS AMSCARBIDE
E-SCLDR/L

	d	l ₁	l ₂	f	D _{min}				KG	STOCK	PRICELIST on
E04 SCLDR/L 04 AMS	4	46	24	2,4	4,8	CDGT 0401...	VT18B	BT06	0,015	●	
E06 SCLDR/L 04 AMS	6	65	37	3,4	6,8				0,030	●	

CARBIDE
E-SCLCR/L

	d	l ₁	l ₂	f	D _{min}				KG	STOCK	PRICELIST on
E0408 SCLCR/L 03 AMS	8	57	26	2,5	5	CCGT 0301...	VT16	BT06	0,022	○	

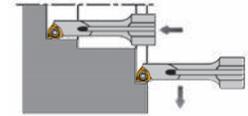
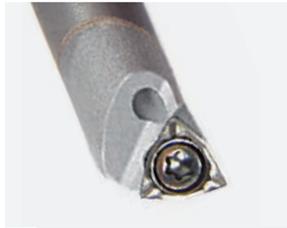
BARENI PER TORNITURA INTERNA AMS BOHRSTANGEN FÜR DIE INNENBEARBEITUNG AMS _ INTERNAL BORING BARS AMS

MILLING

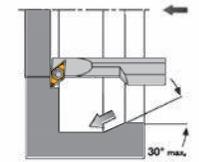
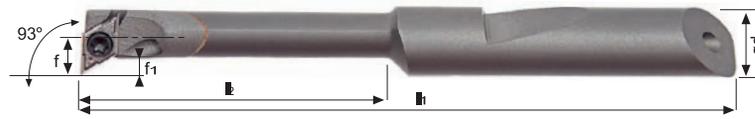
MINIMILL

MOULDMILL

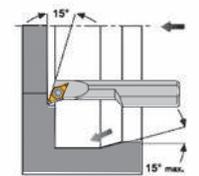
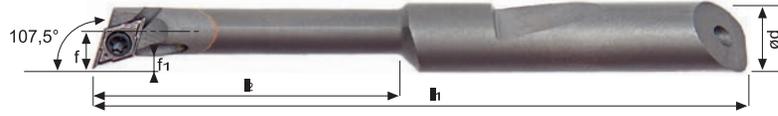
MICROTOOLS
AMS



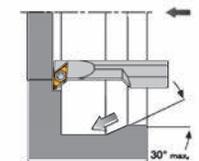
CARBIDE	E-SWUCR/L	↔ (mm)					Dmin				KG	STOCK	PRICELIST on
		d	l1	l2	f	f							
	E 06 SWUCR/L 02 AMS	6	65	37	3,9	7,8	WCMT WCGT 0201...	VT20B	BT06	0,030	●		



CARBIDE	E-SDUCR/L	↔ (mm)									KG	STOCK	PRICELIST on
		d	l1	l2	f	f1	Dmin						
	E0406 SDUCR/L 04 AMS	6	56	26	3	1,5	5,6	DCGT 04T0...	VT1604	BT05	0,022	●	
	E0408 SDUCR/L 04 AMS	8	57	26	3	1,5	5,6				0,022	●	



CARBIDE	E-SDQCR/L	↔ (mm)									KG	STOCK	PRICELIST on
		d	l1	l2	f	f1	Dmin						
	E0406 SDQCR/L 04 AMS	6	56	26	2,6	1,1	5,2	DCGT 04T0...	VT1604	BT05	0,022	●	
	E0408 SDQCR/L 04 AMS	8	57	26	2,6	1,1	5,2				0,022	●	



CARBIDE	E-SVLCR/L	↔ (mm)									KG	STOCK	PRICELIST on
		d	l1	l2	f	f1	Dmin						
	E0406 SVLCR/L 05 AMS	6	56	26	6	3	9,2	VCGT 0501...	VT1604	BT05	0,022	●	
	E0408 SVLCR/L 05 AMS	8	57	26	5	3	9,2				0,031	●	

● Disponibile - Lieferbar - On stock

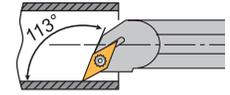
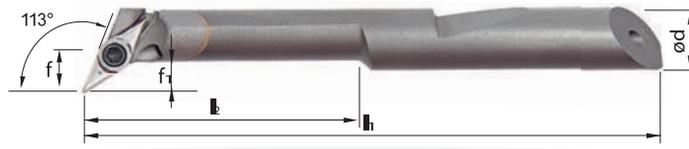
○ A richiesta - Auf Anfrage - On request

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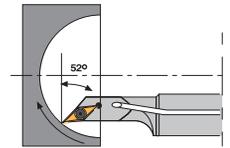
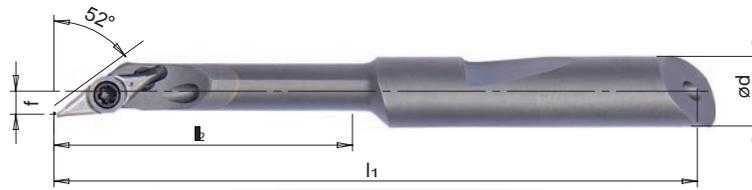
BARENI PER TORNITURA INTERNA AMS BOHRSTANGEN FÜR DIE INNENBEARBEITUNG AMS _ INTERNAL BORING BARS AMS



CARBIDE E-SVXCR/L

E0406 SVXCR/L 05 AMS
E0408 SVXCR/L 05 AMS

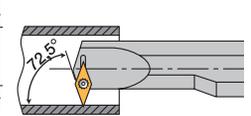
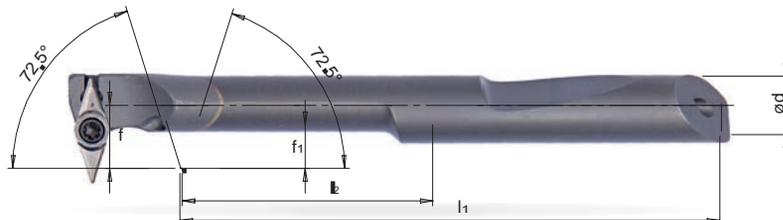
	d	l ₁	l ₂	f	f ₁	D _{min}				KG	STOCK	PRICELIST on
E0406 SVXCR/L 05 AMS	6	56	26	5	3	8,2	VCVT 0501...	VT1604	BT05	0,022	●	
E0408 SVXCR/L 05 AMS	8	57	26	5	3	9,2	VCVT 0501...	VT1604	BT05	0,031	●	



CARBIDE E-SVJCR/L

E0406 SVJCR/L 05 AMS
E0408 SVJCR/L 05 AMS

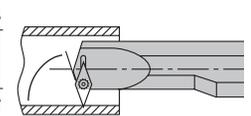
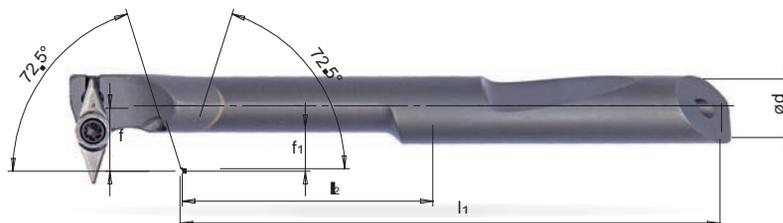
	d	l ₁	l ₂	f	D _{min}				KG	STOCK	PRICELIST on
E0406 SVJCR/L 05 AMS	6	56	26	2	5,5	VCVT 0501...	VT1604	BT05	0,021	●	
E0408 SVJCR/L 05 AMS	8	57	26	2	5,5	VCVT 0501...	VT1604	BT05	0,028	●	



CARBIDE E-SVWCR/L

E0406 SVWCR/L 05 AMS
E0408 SVWCR/L 05 AMS

	d	l ₁	l ₂	f	f ₁	D _{min}				KG	STOCK	PRICELIST on
E0406 SVWCR/L 05 AMS	6	56	26	6,5	4,5	10,3	VCVT 0501...	VT1604	BT05	0,024	●	
E0408 SVWCR/L 05 AMS	8	57	26	5,5	3,5	10,2	VCVT 0501...	VT1604	BT05	0,035	●	

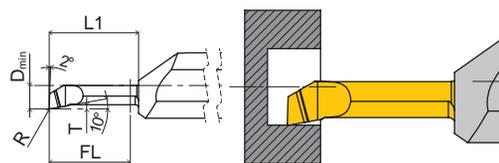


CARBIDE E-SV95CR/L

E0406 SV95CR/L 05 AMS
E0408 SV95CR/L 05 AMS

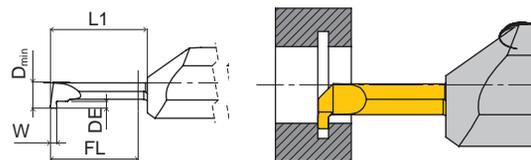
	d	l ₁	l ₂	f	f ₁	D _{min}				KG	STOCK	PRICELIST on
E0406 SV95CR/L 05 AMS	6	56	26	6	4,5	9,2	VCVT 0501...	VT1604	BT05	0,024	●	
E0408 SV95CR/L 05 AMS	8	57	26	5	3	9,2	VCVT 0501...	VT1604	BT05	0,037	●	

BARENI PER TORNITURA INTERNA AMS BOHRSTANGEN FÜR DIE INNENBEARBEITUNG AMS _ INTERNAL BORING BARS AMS



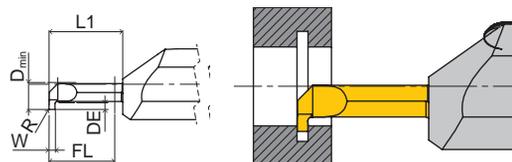
TURNING 95°

	D _{min}	FL	↔ (mm)		T	L1	STOCK	PRICELIST on		
			R					K15	TiN	TiALN
MCMCS-D-250401-200.40R	2,5	20	0,1		0,4	22	○			
MCMCS-D-300401-200.40R	3,0	20	0,1		0,4	22	○			
MCMCS-D-390602-150.40R	3,9	15	0,2		0,6	17	○			
MCMCS-D-590802-200.60R	5,9	20	0,2		0,8	22	○			
MCMCS-D-590801-150.60R	5,9	15	0,1		0,8	17	○			
MCMCS-D-6005015-420.60R	6,0	42	0,15		0,8	44	○			



GROOVING

	D _{min}	W	↔ (mm)		FL	L1	STOCK	PRICELIST on		
			DE					K15	TiN	TiALN
MCMCS-S-39100800-100.40R	3,9	1	0,8		10	12	○			
MCMCS-S-59151800-100.60R	5,9	1,5	1,8		10	12	○			
MCMCS-S-69202500-150.80R	6,9	2	2,5		15	17	○			
MCMCS-S-79182500-250.80R	7,9	1,8	2,5		25	27	○			



CIR-CLIP DIN471/472

	D _{min}	W	↔ (mm)		FL	L1	STOCK	PRICELIST on		
			DE	R				K15	TiN	TiALN
MCMCS-472-41139110-150.40R	4,1	1,39	1,1	0,05	15	17	○			
MCMCS-472-84119200-200.80R	8,4	1,19	2	0,05	20	22	○			
MCMCS-472-84169250-200.80R	8,4	1,69	2,5	0,05	20	22	○			

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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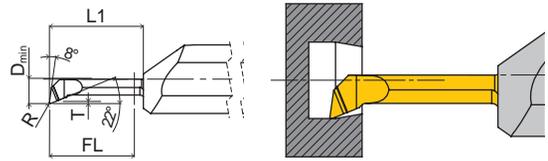
MILLING

MINIMILL

MOULDMILL

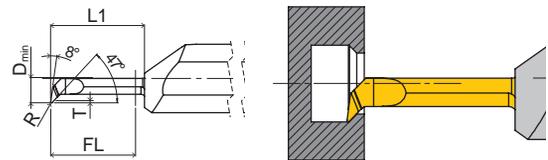
MICROTOOLS
AMS

BARENI PER TORNITURA INTERNA AMS BOHRSTANGEN FÜR DIE INNENBEARBEITUNG AMS _ INTERNAL BORING BARS AMS



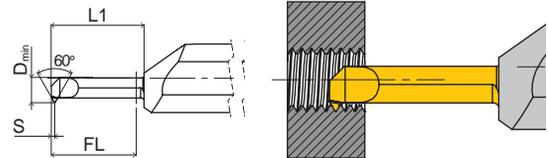
COPYING

	D_{min}	FL	↔ (mm)		T	L1	STOCK	K15	PRICELIST on	
			R						TiN	TiAlN
MCMCS-K-390802-150.40R	3,9	15	0,2		0,8	17	○			
MCMCS-K-500502-250.60R	5	25	0,2		0,5	26	○			
MCMCS-K-591802-200.60R	5,9	20	0,2		1,8	22	○			



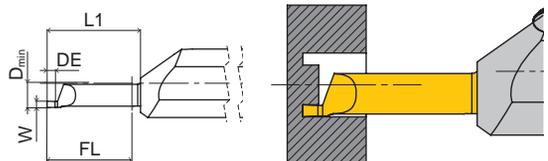
COPYING 45°

	D_{min}	FL	↔ (mm)		T	L1	STOCK	K15	PRICELIST on	
			R						TiN	TiAlN
MCMCS-K45-391304-200.40R	3,9	20	0,4		1,3	22	○			
MCMCS-K45-400604-150.40R	4	15	0,4		0,6	17	○			



THREADING 60°, METRIC PARTIAL PROFILE

	D_{min}	Th	P	S	FL	L1	STOCK	K15	PRICELIST on	
MCMCS-G-M5-150.40R	4	M5	0,5-1,0	0,7	15	17	○			
MCMCS-G-M8-200.60R	6	M8	0,5-1,5	0,8	20	22	○			



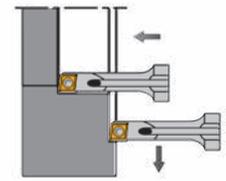
AXIAL GROOVING

	D_{min}	↔ (mm)		FL	L1	STOCK	K15	PRICELIST on	
		W	DE					TiN	TiAlN
MCMCS-A-70152000-200.60R	7	1,5	2	20	22	○			
MCMCS-A-90152000-250.80R	9	1,5	2	25	27	○			

MINITOOLS

The background is a technical drawing on a dark blue background. It features a complex mechanical part with several circular features, some of which are marked with a crosshair symbol. Dimensions are indicated with arrows and numbers: 1, 3.1, 14.45, 16.9, and ø6. A 45-degree angle is also shown. The drawing is a top-down or side view of a component, possibly a bracket or a connector, with various chamfers and holes.

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



STEEL	A-SCLCR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	A 0608H SCLCR/L 06	8	6	100	21,5	4,2	8	CCMT CCGT 0602...	VT25B	BT08	0,050	Icon	●	
	A 0810J SCLCR/L 06	10	8	110	27	6	11				0,070	Icon	●	
	A 1012K SCLCR/L 06	12	10	125	32,5	7	13				0,100	Icon	●	
	A 1216M SCLCR/L 06	16	12	150	42	9	16				0,200	Icon	●	

HSS	AH-SCLCR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	AH 0608H SCLCR/L 06	8	6	100	25	4	8,5	CCMT CCGT 0602...	VT25B	BT08	0,050	Icon	●	
	AH 0810J SCLCR/L 06	10	8	110	32	6	12				0,070	Icon	●	
	AH 1012K SCLCR/L 06	12	10	125	38	7	14				0,100	Icon	●	
	AH 1216M SCLCR/L 06	16	12	150	50	9	18				0,200	Icon	●	

STEEL	A-SCLDR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	A 0408H SCLDR/L 04	8	4	100	16	2,4	4,8	CDGT 0401...	VT18B	BT06	0,030	Icon	●	
	A 0508H SCLDR/L 04	8	5	100	20	2,9	5,8				0,040	Icon	●	
	A 0608H SCLDR/L 04	8	6	100	24	3,4	6,8				0,050	Icon	●	

CARBIDE	E-SCLDR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	E 0408H SCLDR/L 04	8	4	100	24	2,4	4,8	CDGT 0401...	VT18B	BT06	0,040	Icon	●	
	E 0508H SCLDR/L 04	8	5	100	30	2,9	5,8				0,040	Icon	●	
	E 0608H SCLDR/L 04	8	6	100	36	3,4	6,8				0,050	Icon	●	

STEEL	A-SCUPR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	A 0608H SCUPR/L 05	8	6	100	20	4,5	8	CPMT CPGT 05T1...	VT22B	BT06	0,050	Icon	●	
	A 0810J SCUPR/L 05	10	8	110	26	6	11				0,070	Icon	●	
	A 1012K SCUPR/L 05	12	10	125	32	7	13				0,100	Icon	●	
	A 1216M SCUPR/L 05	16	12	150	40	9	16				0,200	Icon	●	

CARBIDE	E-SCUPR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	E 0608H SCUPR/L 05	8	6	100	28	4,5	8	CPMT CPGT 05T1...	VT22B	BT06	0,050	Icon	●	
	E 0810J SCUPR/L 05	10	8	110	36	6	11				0,090	Icon	●	
	E 1012K SCUPR/L 05	12	10	125	44	7	13				0,170	Icon	●	
	E 1216M SCUPR/L 05	16	12	150	55	9	16				0,300	Icon	●	

STEEL	A-SCXPR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	A 0608H SCXPR/L 05	8	6	100	20	4,5	8,5	CPMT CPGT 05T1...	VT22B	BT06	0,050	Icon	●	
	A 0810J SCXPR/L 05	10	8	110	26	6	11				0,070	Icon	●	
	A 1012K SCXPR/L 05	12	10	125	32	7	13				0,100	Icon	●	
	A 1216M SCXPR/L 05	16	12	150	40	9	16				0,200	Icon	●	

CARBIDE	E-SCXPR/L		← (mm)				D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	d1	l1	l2	f									
	E 0608H SCXPR/L 05	8	6	100	28	4,5	8,5	CPMT CPGT 05T1...	VT22B	BT06	0,050	Icon	●	
	E 0810J SCXPR/L 05	10	8	110	36	6	11				0,090	Icon	●	
	E 1012K SCXPR/L 05	12	10	125	44	7	13				0,170	Icon	●	
	E 1216M SCXPR/L 05	16	12	150	55	9	16				0,300	Icon	●	

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

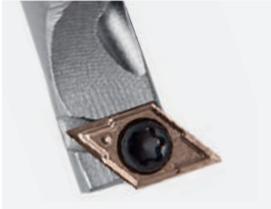
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

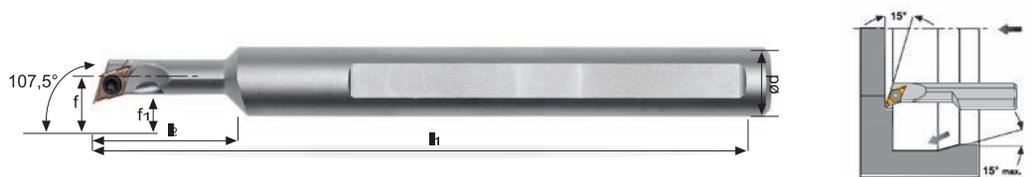
MINITOOLS



MATERIAL	DIMENSIONS (mm)							COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin								
STEEL	A-SDUCR/L							DCGT 04T0...	VT1604	BT05	0,030	🔵	●	
	A 0408F SDUCR/L 04	8	80	15	3	1,5	5,6							
	A 0810H SDUCR/L 07	10	100	22,5	6,5	4,4	12,5							
	A 1012K SDUCR/L 07	12	125	27,5	9	5,9	15,5							
A 1216M SDUCR/L 07	16	150	40,5	11	4,9	18	0,200	🔵	●					

MATERIAL	DIMENSIONS (mm)							COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin								
HSS	AH-SDUCR/L							DCMT DCGT 0702...	VT25B	BT08	0,070	🔵	●	
	AH 0810H SDUCR/L 07	10	100	22	7	5	12,5							
	AH 1012K SDUCR/L 07	12	125	28	9	5	15,5							
	AH 1216M SDUCR/L 07	16	150	36	11	5	19,5							

MATERIAL	DIMENSIONS (mm)							COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin								
CARBIDE	E-SDUCR/L							DCGT 04T0...	VT1604	BT05	0,042	🔵	●	
E 0408F SDUCR/L 04	8	80	26	3	1,5	5,6								



MATERIAL	DIMENSIONS (mm)							COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin								
STEEL	A-SDQCR/L							DCGT 04T0...	VT1604	BT05	0,030	🔵	●	
	A 0408F SDQCR/L 04	8	80	15	2,6	1,1	5,2							
	A 0810H SDQCR/L 07	10	100	22,4	6,4	3	12,5							
	A 1012K SDQCR/L 07	12	125	27,5	9	4	15,5							
A 1216M SDQCR/L 07	16	150	39,5	11	5	19,5	0,200	🔵	●					

MATERIAL	DIMENSIONS (mm)							COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin								
CARBIDE	E-SDQCR/L							DCGT 04T0...	VT1604	BT05	0,042	🔵	●	
E 0408F SDQCR/L 04	8	80	26	2,6	1,1	5,2								



MATERIAL	DIMENSIONS (mm)						COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	d1	l1	l2	f	Dmin							
STEEL	A-SWUCR/L						WCMT WCGT 0201...	VT20B	BT06	0,040	🔵	●	
	A 0508H SWUCR/L 02	8	5	100	18	2,9							
A 0608H SWUCR/L 02	8	6	100	24	3,9	7,8	0,050	🔵	●				

MATERIAL	DIMENSIONS (mm)						COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	d1	l1	l2	f	Dmin							
HSS	AH-SWUCR/L						WCMT WCGT 0201...	VT20B	BT06	0,040	🔵	●	
	AH 0508H SWUCR/L 02	8	5	100	18	2,9							
AH 0608H SWUCR/L 02	8	6	100	24	3,9	7,8	0,050	🔵	●				

MATERIAL	DIMENSIONS (mm)						COATING	THREAD	HANDLE	KG	CUTTING FLUID	STOCK	PRICELIST on
	d	d1	l1	l2	f	Dmin							
CARBIDE	E-SWUCR/L						WCMT WCGT 0201...	VT20B	BT06	0,040	🔵	●	
	E 0508H SWUCR/L 02	8	5	100	24	2,9							
E 0608H SWUCR/L 02	8	6	100	32	3,9	7,8	0,050	🔵	●				

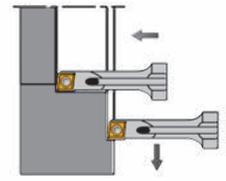
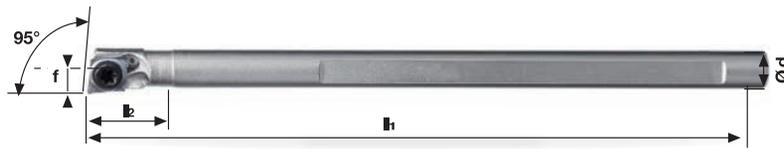
● Disponibile - Lieferbar - On stock ○ A richiesta - Auf Anfrage - On request

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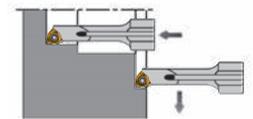
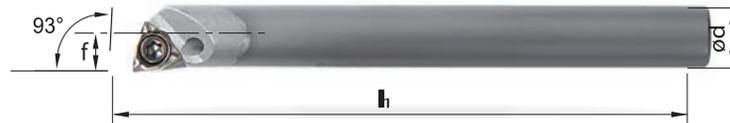


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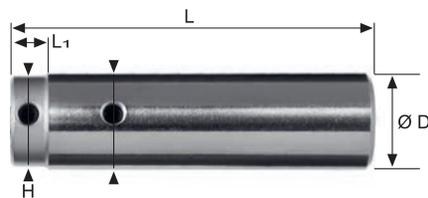
BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



	A-SCLDR/L					D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f	(mm)							
STEEL	A 04E SCLDR/L 04	4	70	-	2,4	4,8				0,030	●	
	A 05E SCLDR/L 04	5	70	-	2,9	5,8				0,040	●	
	A 06F SCLDR/L 04	6	80	-	3,4	6,8				0,050	●	
	E-SCLDR/L					D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f	(mm)							
CARBIDE	E 04F SCLDR/L 04	4	80	-	2,4	4,8				0,030	●	
	E 05F SCLDR/L 04	5	80	-	2,9	5,8				0,040	●	
	E 06G SCLDR/L 04	6	95	-	3,4	6,8				0,050	●	



	E-SWUCR/L					D _{min}	WCMT WCGT 0201...	VT20B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f	(mm)							
CARBIDE	E 05F SWUCR/L 02	5	85	-	2,9	5,8				0,040	●	
	E 06G SWUCR/L 02	6	95	-	3,9	7,8				0,050	●	



	MINI COLLET					KG	STOCK	PRICELIST on	
	Ød	ØD	L	L1	H				
	SC 04-16	4				0,010	--	●	
	SC 05-16	5	16	80	6	15	0,010	--	●
	SC 06-16	6				0,010	--	●	

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

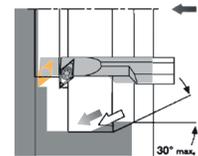
MILLING

MINIMILL

MOULDMILL

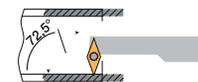
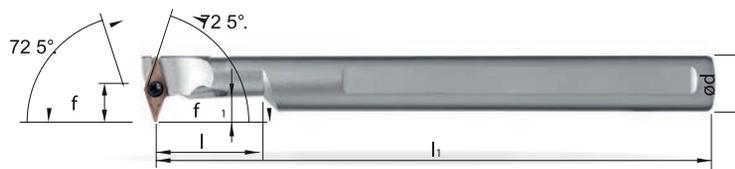
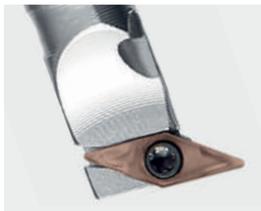
MICROTOOLS
AMS

MINITOLS



STEEL	A-SVLCR/L		↔ (mm)					D _{min}	✦	🌀	🔧	KG	🚰	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	A 08F SVLCR/L 05	8	80	15	5	3	9,2	VCMT VCGT 0702...	VT1604	BT05	0,040	🚰	●		
	A 10H SVLCR/L 07	10	100	22	7	5	12,5	VCMT VCGT 0702...	VT20	BT06	0,080	🚰	●		
	A 12K SVLCR/L 07	12	125	28	9	6	15,5				0,120	🚰	●		
	A 16M SVLCR/L 07	16	150	36	11	5	19,5				0,250	🚰	●		

CARBIDE	E-SVLCR/L		↔ (mm)					D _{min}	✦	🌀	🔧	KG	🚰	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	E 08F SVLCR/L 05	8	80	26	5	3	9,2	VCMT VCGT 0702...	VT1604	BT05	0,070	🚰	●		
	E 10H SVLCR/L 07	10	100	32	7	5	12,5	VCMT VCGT 0702...	VT20	BT06	0,170	🚰	●		
	E 12K SVLCR/L 07	12	125	40	9	6	15,5				0,300	🚰	●		
	E 16M SVLCR/L 07	16	150	55	11	5	19,5				0,500	🚰	●		



STEEL	A-SVCR/L		↔ (mm)					D _{min}	✦	🌀	🔧	KG	🚰	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	A 08F SVCR/L 05	8	80	15	5,5	3,5	10,2	VCMT VCGT 0702...	VT1604	BT05	0,040	🚰	●		
	A 10H SVCR/L 07	10	100	22	8	6	13,5	VCMT VCGT 0702...	VT20	BT06	0,080	🚰	●		
	A 12K SVCR/L 07	12	125	28	9	6	15,5				0,120	🚰	●		
	A 16M SVCR/L 07	16	150	36	11	6	19,5				0,250	🚰	●		
	A 16M SVCR/L 11	16	150	40	13,9	9,5	23	VCMT VCGT 1103...	VT25B	BT08	0,250	🚰	●		
	A 20Q SVCR/L 11	20	180	50	13,9	9,5	25	0,400			🚰	●			
	A 25R SVCR/L 16	25	200	62,5	19,9	13	34	VCMT VCGT 1604...	VT40B	BT15	0,690	🚰	●		

CARBIDE	E-SVCR/L		↔ (mm)					D _{min}	✦	🌀	🔧	KG	🚰	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	E 08F SVCR/L 05	8	80	26	5,5	3,5	10,2	VCMT VCGT 0702...	VT1604	BT05	0,070	🚰	●		
	E 10H SVCR/L 07	10	100	32	8	6	13,5	VCMT VCGT 0702...	VT20	BT06	0,170	🚰	●		
	E 12K SVCR/L 07	12	125	40	9	6	15,5				0,300	🚰	●		
	E 16M SVCR/L 07	16	150	55	11	6	19,5				0,500	🚰	●		

● Disponibile - Lieferbar - On stock

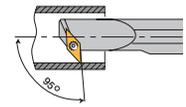
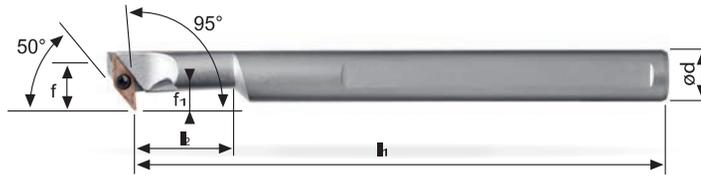
○ A richiesta - Auf Anfrage - On request

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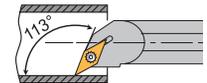
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BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



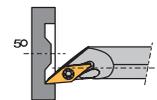
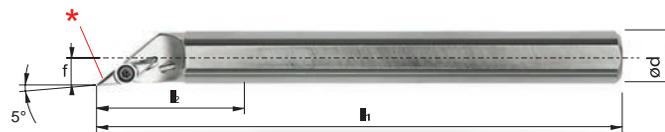
STEEL	A-SV95CR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	15	5	3	9,2	VCMT	VT1604	BT05	0,040		●	
	10	100	22	7	5	12,5	VCMT	VT20	BT06	0,080		●	
	12	125	28	9	6	15,5	VCMT	VT20	BT06	0,120		●	
	16	150	36	11	5	19,5	VCMT	VT20	BT06	0,250		●	

CARBIDE	E-SV95CR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	26	5	3	9,2	VCMT	VT1604	BT05	0,070		●	
	10	100	32	7	5	12,5	VCMT	VT20	BT06	0,170		●	
	12	125	40	9	6	15,5	VCMT	VT20	BT06	0,300		●	
	16	150	55	11	8	19,5	VCMT	VT20	BT06	0,500		●	



STEEL	A-SVXCR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	15	5	3	9,2	VCMT	VT1604	BT05	0,040		●	
	10	100	22	7	3	12,5	VCMT	VT20	BT06	0,080		●	
	12	125	28	9	3	15,5	VCMT	VT20	BT06	0,120		●	
	16	150	36	11	3	19,5	VCMT	VT20	BT06	0,250		●	

CARBIDE	E-SVXCR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	26	5	3	9,2	VCMT	VT1604	BT05	0,070		●	
	10	100	32	7	3	12,5	VCMT	VT20	BT06	0,170		●	
	12	125	40	9	3	15,5	VCMT	VT20	BT06	0,300		●	
	16	150	55	11	3	19,5	VCMT	VT20	BT06	0,500		●	



STEEL	A-SVOCR/L												
	d	l1	l2	f	D _{min}				KG		STOCK	PRICELIST on	
	8	80	15	3	8,0	VCMT	VT1604	BT05	0,040		●		
	10	100	22	5,5	13	VCMT	VT20	BT06	0,080		●		
	12	140	28	6,5	13	VCMT	VT20	BT06	0,140		●		
	16	150	36	9	22	VCMT	VT25B	BT08	0,250		●		
	20	180	40	11	24	VCMT	VT25B	BT08	0,500		●		

CARBIDE	E-SVOCR/L												
	d	l1	l2	f	D _{min}				KG		STOCK	PRICELIST on	
	8	80	26	3	8,0	VCMT	VT1604	BT05	0,050		●		
	10	100	32	5,5	11	VCMT	VT20	BT06	0,100		●		

* ATTENZIONE: non usare il tagliante secondario per la lavorazione!

ACHTUNG: Sekundärschneide nicht für Bearbeitung geeignet! _ CAUTION: Do not use secondary cutting edge for machining!

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

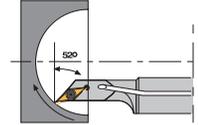
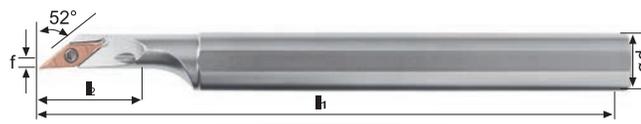
MILLING

MINIMILL

MOULDMILL

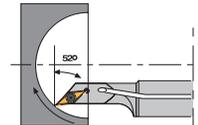
MICROTOOLS
AMS

MINITOLS



	A-SVJBR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
STEEL	A 16M SVJBR/L 11	16	150	31,4	2	22	VBMT VBGT 1103...	VT25B	BT08	0,250	●	●	
	A 20Q SVJBR/L 11	20	180	38	2	24				0,500	●	●	
	A 25R SVJBR/L 16	25	200	44	4,6	28	VBMT VBGT 1604...	VT40B	BT15	0,700	●	●	

	E-SVJBR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
CARBIDE	E16R SVJBR/L 11	16	200	31,4	2	22	VBMT VBGT 1103...	VT25B	BT08	0,500	●	●	
	E20S SVJBR/L 11	20	250	38	2	24				1,000	●	●	
	E25S SVJBR/L 16	25	250	44	4,6	28	VBMT VBGT 1604...	VT40B	BT15	1,800	●	●	



	A-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
STEEL	A 08F SVJCR/L 05	8	80	15	3	8	VCGT 0501...	VT1604	BT05	0,040	●	●	
	A 10K SVJCR/L 07	10	125	18	1,5	13	VCMT VCGT 0702...	VT20	BT06	0,080	●	●	
	A 12L SVJCR/L 07	12	140	18	2	13				0,120	●	●	
	A 16M SVJCR/L 11	16	150	31,4	2	22	VCMT VCGT	VT25B	BT08	0,250	●	●	
	A 20Q SVJCR/L 11	20	180	38	2	24	VCMT VCGT 1103...			0,500	●	●	
	A 25R SVJCR/L 16	25	200	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	0,700	●	●	

	AH-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
HSS	AH 16M SVJCR/L 11	16	150	30	4,6	22	VCMT VCGT 1103...	VT25B	BT08	0,250	●	●	
	AH 20Q SVJCR/L 11	20	180	38	4,6	25				0,500	●	●	
	AH 25R SVJCR/L 16	25	200	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	0,700	●	●	

	E-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
CARBIDE	E08F SVJCR/L 05	8	80	26	3	8	VCGT 0501...	VT1604	BT05	0,050	●	●	
	E10K SVJCR/L 07	10	125	18	1,5	13	VCMT VCGT 0702...	VT20	BT06	0,170	●	●	
	E12M SVJCR/L 07	12	150	18	2	13				0,300	●	●	
	E16R SVJCR/L 11	16	200	31,4	2	22	VCMT VCGT	VT25B	BT08	0,500	●	●	
	E20S SVJCR/L 11	20	250	38	2	24	VCMT VCGT 1103...			1,000	●	●	
	E25S SVJCR/L 16	25	250	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	1,800	●	●	

● Disponibile - Lieferbar - On stock

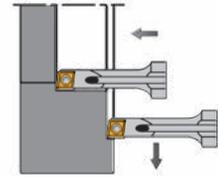
○ A richiesta - Auf Anfrage - On request

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BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



A-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l ₁	l ₂	f												
A 08H SCLCR/L 06	8	100	17,8	6	10							0,040		●	
A 10K SCLCR/L 06	10	125	17,7	7	12	CCMT CCGT 0602...	--	--	VT25B	BT08		0,080		●	
A 12L SCLCR/L 06	12	140	24,2	9	16							0,140		●	
A 16Q SCLCR/L 09	16	180	26,7	11	20	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,250		●	
A 20R SCLCR/L 09	20	200	36,7	13	25							0,500		●	
A 25R SCLCR/L 12	25	200	40	17	32		--	--	VT50	BT20		0,700		●	
A 32S SCLCR/L 12	32	250	30	22	40	CCMT CCGT 1204...	US1221	GBS1221	SS1221	BT15		1,400		●	
A 40T SCLCR/L 12	40	300	31,4	27	49							2,700		●	

AH-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l ₁	l ₂	f												
AH 0410H SCLCR/L 03	10	100	24	2,5	5	CCGT 0301...	--	--	VT16	BT06		0,030		●	
AH 0610H SCLCR/L 03	10	100	24	2,5	7							0,040		●	
AH 08K SCLCR/L 06	8	125	20	5	10	CCMT CCGT 0602...	--	--	VT25B	BT08		0,040		●	
AH 10K SCLCR/L 06	10	125	20	6	12							0,080		●	
AH 12M SCLCR/L 06	12	150	20	7	14							0,120		●	
AH 16Q SCLCR/L 09	16	180	27	9	18	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,250		●	
AH 20R SCLCR/L 09	20	200	27	11	23							0,500		●	
AH 25R SCLCR/L 12	25	200	40	15,5	28	CCMT CCGT 1204...	--	--	VT50	BT20		0,700		●	

E-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l ₁	l ₂	f												
E 04G SCLCR/L 03	4	90	10	2,5	5				VT16			0,030		●	
E 05H SCLCR/L 03	5	100	10	3	6	CCGT 0301...	--	--	BFTX 01604N	BT06		0,040		●	
E 06J SCLCR/L 03	6	110	10	3,5	7							0,050		●	
E 08K SCLCR/L 06	8	125	10	5	10	CCMT CCGT 0602...	--	--	VT25B	BT08		0,090		●	
E 10K SCLCR/L 06	10	125	10	6	12							0,170		●	
E 12M SCLCR/L 06	12	150	10	8	14							0,300		●	
E 16R SCLCR/L 09	16	200	16	10	18	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,500		●	
E 20S SCLCR/L 09	20	250	16	12	23							1,000		●	
E 25S SCLCR/L 12	25	250	16	15	30	CCMT CCGT 1204...	--	--	VT50	BT20		1,800		●	
E 32U SCLCR/L 12	32	350	26	22	39		US1221	GBS1221	SS1221	BT15		3,700		○	

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

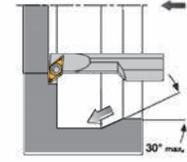
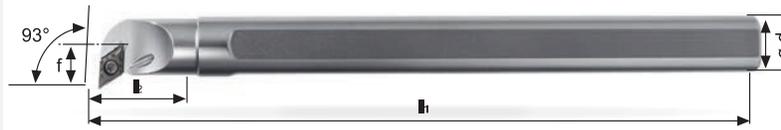
MILLING

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	d (mm)				D _{min}						KG	STOCK	PRICELIST on
	d	l ₁	l ₂	f									
A-SDUCR/L													
A 10K SDUCR/L 07	10	125	15,6	7	13,5						0,080	●	
A 12L SDUCR/L 07	12	140	22,6	9	16	DCMT DCGT 0702...	--	--	VT25B	BT08	0,120	●	
A 16Q SDUCR/L 07	16	180	27	11	20						0,250	●	
A 20R SDUCR/L 11	20	200	33,8	13	25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	
A 25R SDUCR/L 11	25	200	35,8	17	32						0,700	●	
A 32S SDUCR/L 11	32	250	18,5	22	40	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT20	1,400	●	
A 40T SDUCR/L 11	40	300	18,5	27	49						2,700	●	

	d (mm)				D _{min}						KG	STOCK	PRICELIST on
	d	l ₁	l ₂	f									
AH-SDUCR/L													
AH 08K SDUCR/L 07	8	125	20	7,5	12						0,040	●	
AH 10K SDUCR/L 07	10	125	20	9	14	DCMT DCGT 0702...	--	--	VT25B	BT08	0,080	●	
AH 12M SDUCR/L 07	12	150	25	8	16						0,120	●	
AH 16Q SDUCR/L 07	16	180	25	10	20						0,250	●	
AH 20R SDUCR/L 11	20	200	30	13	26	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	
AH 25R SDUCR/L 11	25	200	40	16	32						0,700	●	

	d (mm)				D _{min}						KG	STOCK	PRICELIST on
	d	l ₁	l ₂	f									
E-SDUCR/L													
E 08K SDUCR/L 07	8	125	10	7,5	12,5						0,090	●	
E 10K SDUCR/L 07	10	125	10	7	12,5	DCMT DCGT 0702...	--	--	VT25B	BT08	0,170	●	
E 12M SDUCR/L 07	12	150	12,5	9	15						0,300	●	
E 16R SDUCR/L 07	16	200	16,5	11	19						0,500	●	
E 20S SDUCR/L 11	20	250	20,5	12,5	23,5	DCMT DCGT 11T3...	--	--	VT40B	BT15	1,000	●	
E 25S SDUCR/L 11	25	250	26	16	32						1,800	●	

● Disponibile - Lieferbar - On stock

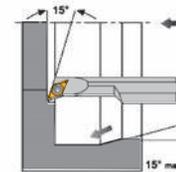
○ A richiesta - Auf Anfrage - On request

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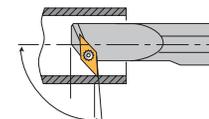
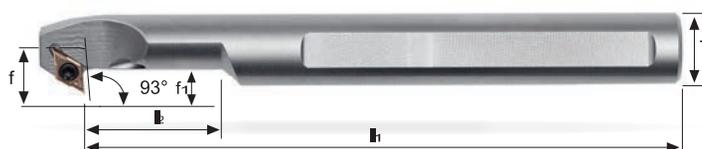
BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



	d					D _{min}						KG	STOCK	PRICELIST on
	d	l1	l2	f										
A-SDQCR/L														
A 10K SDQCR/L 07	10	125	16	7	14	DCMT DCGT 0702...	--	--	VT25B	BT08	0,080	●	●	
A 12L SDQCR/L 07	12	140	20	9	17						0,120	●	●	
A 16Q SDQCR/L 07	16	180	25	11	22						0,250	●	●	
A 20R SDQCR/L 11	20	200	32	13	26	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	●	
A 25R SDQCR/L 11	25	200	40	17	31,5						0,700	●	●	
A 32S SDQCR/L 11	32	250	33,5	22	40	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	1,400	●	●	
A 40T SDQCR/L 11	40	300	50	27	49						2,700	●	●	

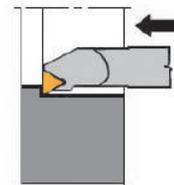
	d					D _{min}						KG	STOCK	PRICELIST on
	d	l1	l2	f										
AH-SDQCR/L														
AH 08K SDQCR/L07	8	125	20	8	12	DCMT DCGT 0702...	--	--	VT25B	BT08	0,040	●	●	
AH 10K SDQCR/L07	10	125	20	7	13						0,080	●	●	
AH 12M SDQCR/L 07	12	150	20	8,5	16						0,120	●	●	
AH 16Q SDQCR/L 07	16	180	30	10	20						0,250	●	●	
AH 20R SDQCR/L 11	20	200	40	12,5	25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	●	
AH 25R SDQCR/L 11	25	200	40	16	32						0,700	●	●	

	d					D _{min}						KG	STOCK	PRICELIST on
	d	l1	l2	f										
E-SDQCR/L														
E 08K SDQCR/L 07	8	125	10	7	12	DCMT DCGT 0702...	--	--	VT25B	BT08	0,090	●	●	
E 10K SDQCR/L 07	10	125	10	7	13						0,170	●	●	
E 12M SDQCR/L 07	12	150	12,5	8,5	16						0,300	●	●	
E 16R SDQCR/L 07	16	200	16,5	10	20	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	●	
E 20S SDQCR/L 11	20	250	13	12,5	25						1,000	●	●	
E 25S SDQCR/L 11	25	250	17	16	32						1,800	●	●	



	d						D _{min}						KG	STOCK	PRICELIST on
	d	l1	l2	f	f1										
A-SDXCR/L															
A 08F SDXCR/L 04	8	80	15	5	3	9,20	DCGT 04T0...	--	--	VT1604	BT05	0,040	●	●	
A 10H SDXCR/L 04	10	100	22	7	5	12,50						0,060	●	●	
A 12L SDXCR/L 07	12	140	25	9	4,3	17	DCMT DCGT 0702...	--	--	VT25B	BT08	0,120	●	●	
A 16Q SDXCR/L 07	16	180	33	11	4,3	21						0,300	●	●	
A 20R SDXCR/L 11	20	200	40	13		25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,460	●	●	
A 25R SDXCR/L 11	25	200	50	17		31,5						0,740	●	●	

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



	← (mm) →				D _{min}						KG		STOCK	PRICELIST on
	d	l1	l2	f										
A-STFCR/L														
A 10K STFCR/L 11	10	125	22,8	7	13						0,080			
A 12L STFCR/L 11	12	140	26,5	9	16	TCMT TCGT 1102...	--	--	VT25B	BT08	0,120			
A 16Q STFCR/L 11	16	180	26,7	11	20						0,250			
A 20R STFCR/L 16	20	200	36,6	13	25	TCMT TCGT 16T3...	--	--	VT40B	BT15	0,500			
A 25R STFCR/L 16	25	200	41	17	32						0,700			
A 32S STFCR/L 16	32	250	34,6	21,9	40	TCMT TCGT 16T3...	US5511	GBS1111	SS1111	BT15	1,400			
A 40T STFCR/L 16	40	300	37,5	27	49						2,700			

	← (mm) →				D _{min}						KG		STOCK	PRICELIST on
	d	l1	l2	f										
AH-STFCR/L														
AH 10K STFCR/L 11	10	125	16	7	12						0,080			
AH 12M STFCR/L 11	12	150	20	9	14	TCMT TCGT 1102...	--	--	VT25B	BT08	0,120			
AH 16Q STFCR/L 11	16	180	25	11	18						0,250			
AH 20R STFCR/L 11	20	200	32	13	23						0,500			
AH 25R STFCR/L 16	25	200	40	17	28	TCMT TCGT 16T3...	--	--	VT40B	BT15	0,700			

	← (mm) →				D _{min}						KG		STOCK	PRICELIST on
	d	l1	l2	f										
E-STFCR/L														
E 10K STFCR/L 11	10	125	16	6	12						0,170			
E 12M STFCR/L 11	12	150	20	8	15	TCMT TCGT 1102...	--	--	VT25B	BT08	0,300			
E 16R STFCR/L 11	16	200	25	10	19						0,500			
E 20S STFCR/L 16	20	250	32	12	24	TCMT TCGT 16T3...	--	--	VT40B	BT15	1,000			
E 25S STFCR/L 16	25	250	40	13,5	27						1,800			

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

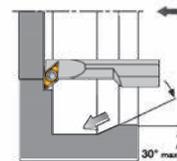
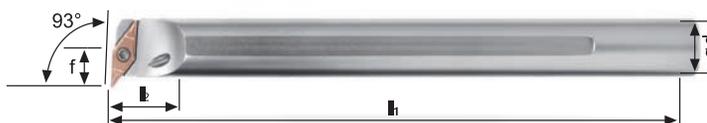
MINIMILL

MOULDMILL

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AMS

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BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



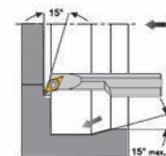
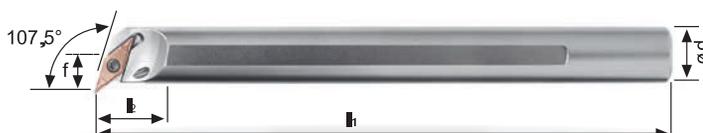
STEEL	A-SVUBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VBMT	VBGT	VT	BT						
	16	180	16,5	11	21	VBMT	--	--	VT25B	BT08	0,250	●	●		
	20	200	20,5	13	24	VBMT	--	--	VT25B	BT08	0,500	●	●		
	25	200	25,5	17	32	VBMT	--	--	VT40B	BT15	0,700	●	●		
	32	250	33,5	22	40	VBGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
	40	300	40	27	49	VBGT	US6522	GBS1111	SS1111	BT15	2,700	●	●		

CARBIDE	E-SVUBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VBMT	VBGT	VT	BT						
	16	200	16,5	11	21	VBMT	--	--	VT25B	BT08	0,500	●	●		
	20	250	20,5	13	25	VBMT	--	--	VT25B	BT08	1,000	●	●		
	25	250	23	17	31,5	VBGT	US6522	GBS1111	SS1111	BT15	1,800	●	●		

STEEL	A-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VCMT	VCGT	VT	BT						
	16	180	16,5	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
	20	200	20,5	13	25	VCMT	--	--	VT25B	BT08	0,500	●	●		
	25	200	25,5	17	32	VCMT	--	--	VT40B	BT15	0,700	●	●		
	32	250	33,5	22	40	VCGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
	40	300	40	27	49	VCGT	US6522	GBS1111	SS1111	BT15	2,700	●	●		

HSS	AH-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VCMT	VCGT	VT	BT						
	16	180	20	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
	20	200	24	13	25	VCGT	US6522	GBS1111	SS1111	BT15	0,500	●	●		
	25	200	25,5	17	31,5	VCGT	US6522	GBS1111	SS1111	BT15	0,700	●	●		

CARBIDE	E-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VCMT	VCGT	VT	BT						
	16	200	16,5	11	21	VCMT	--	--	VT25B	BT08	0,500	●	●		
	20	250	20,5	13	25	VCGT	US6522	GBS1111	SS1111	BT15	1,000	●	●		
	25	250	23	17	31,5	VCGT	US6522	GBS1111	SS1111	BT15	1,800	●	●		



STEEL	A-SVQBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VBMT	VBGT	VT	BT						
	16	180	16,5	11	21	VBMT	--	--	VT25B	BT08	0,080	●	●		
	20	200	20,5	13	25	VBGT	US6522	GBS1111	SS1111	BT15	0,120	●	●		
	25	200	40	17	32	VBGT	US6522	GBS1111	SS1111	BT15	0,250	●	●		

STEEL	A-SVQCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	Dmin	VCMT	VCGT	VT	BT						
	16	180	16,5	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
	20	200	26,1	13	24	VCGT	US6522	GBS1111	SS1111	BT15	0,500	●	●		
	25	200	43	17	31,5	VCMT	--	--	VT40B	BT15	0,700	●	●		
	32	250	33,5	22	40	VCGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
	40	300	40	27	49	VCGT	US6522	GBS1111	SS1111	BT15	2,700	●	●		

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

Specialmente con diametri di lavorazione di piccole dimensioni, i bareni N-PREMIUM impediscono l'accumulo di trucioli nel pezzo.

Speziell bei kleinen Bearbeitungsdurchmessern, verhindern N-PREMIUM Bohrstanen einen Spänebau im Werkstück.

Especially with small machining diameters, N-PREMIUM boring bars prevent chips jamming in the workpiece.

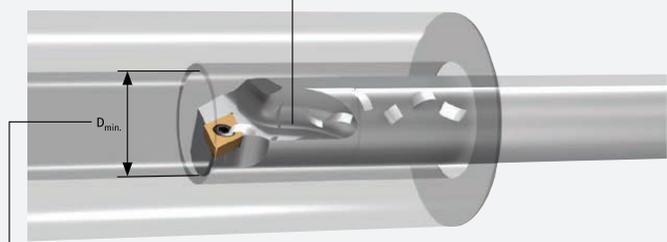


STANDARD

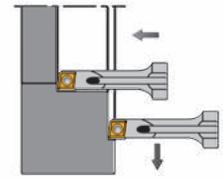
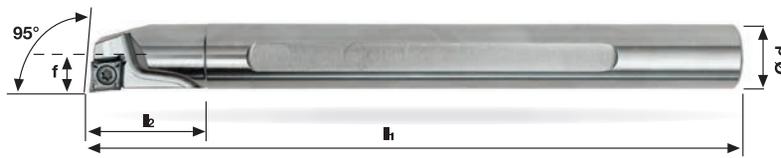


N-PREMIUM

Asportazione sicura dei trucioli mediante scanalature a spirale.
Gesicherte Spanabfuhr durch spiralisierten Spanraum.
Reliable chip evacuation due to spiral flutes.



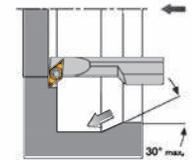
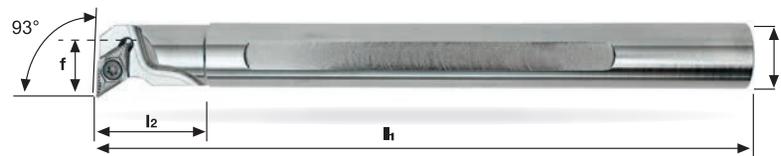
Ottimizzato per il minimo diametro del preforo.
Optimiert für kleinste Mindestvorbohrdurchmesser.
Optimised for the smallest minimum pre-drill diameter.



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM A-SCLCR/L

	d	l1	l2	f	D _{min}							KG		STOCK	PRICELIST on
A08H SCLCR/L 06 N-PREMIUM	8	100	20	5	10							0,040			
A10K SCLCR/L 06 N-PREMIUM	10	125	20	6	12	CCMT			VT25B	BT08		0,080			
A12L SCLCR/L 06 N-PREMIUM	12	140	24,2	7	14							0,140			
A16Q SCLCR/L 09 N-PREMIUM	16	180	31	9	18							0,250			
A20R SCLCR/L 09 N-PREMIUM	20	200	36	11	22	CCMT			VT40B	BT15		0,500			
A25R SCLCR/L 09 N-PREMIUM	25	200	43	13,5	27	CCGT						0,700			
A25R SCLCR/L 12 N-PREMIUM	25	200	43	13,5	27	CCMT			VT50	BT20		0,700			



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM A-SDUCR/L

	d	l1	l2	f	D _{min}							KG		STOCK	PRICELIST on
A10K SDUCR/L 07 N-PREMIUM	10	125	20	7	13							0,080			
A12L SDUCR/L 07 N-PREMIUM	12	140	25	8	15	DCMT			VT25B	BT08		0,120			
A16Q SDUCR/L 07 N-PREMIUM	16	180	28	10	19							0,250			
A16Q SDUCR/L 11 N-PREMIUM	16	180	28	14	23							0,250			
A20R SDUCR/L 11 N-PREMIUM	20	200	36	13	25	DCMT			VT40B	BT15		0,500			
A25R SDUCR/L 11 N-PREMIUM	25	200	40	16	31							0,700			

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

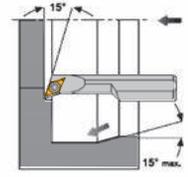
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

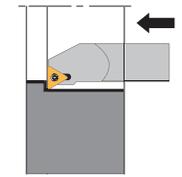


Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-SDQCR/L

	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A10K SDQCR/L 07 N-PREMIUM	10	125	20	7	13						0,080		●	
A12L SDQCR/L 07 N-PREMIUM	12	140	25	8	15	DCMT	--	--	VT25B	BT08	0,120		●	
A16Q SDQCR/L 07 N-PREMIUM	16	180	28	10	19						0,250		●	
A16Q SDQCR/L 11 N-PREMIUM	16	180	28	14	23						0,250		●	
A20R SDQCR/L 11 N-PREMIUM	20	200	36	13	25	DCMT	--	--	VT40B	BT15	0,500		●	
A25R SDQCR/L 11 N-PREMIUM	25	200	40	16	31						0,700		●	

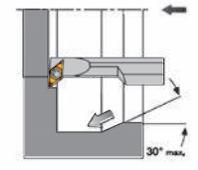
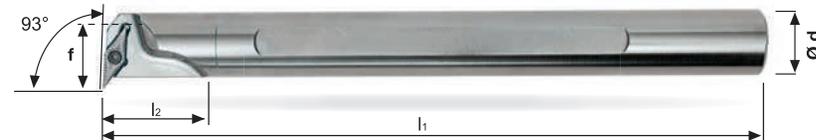


Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-STFCR/L

	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A10K STFCR/L 11 N-PREMIUM	10	125	22	6	12						0,080		●	
A12L STFCR/L 11 N-PREMIUM	12	140	24,3	7	14	TCMT	--	--	VT25B	BT08	0,120		●	
A16Q STFCR/L 11 N-PREMIUM	16	180	31	9	18						0,250		●	
A20R STFCR/L 11 N-PREMIUM	20	200	36	11	22						0,500		●	



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-SVUBR/L

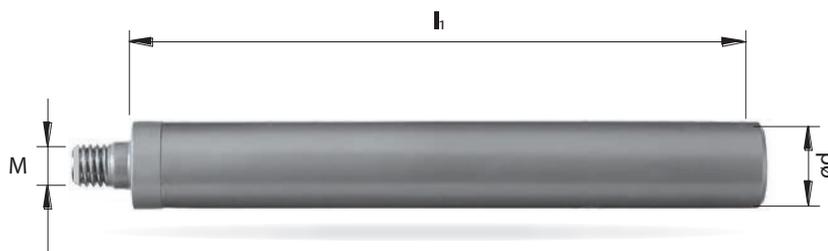
	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A16Q SVUBR/L 11 N-PREMIUM	16	180	31	11	20	VBMT	--	--	VT25B	BT08	0,250		●	
A20R SVUBR/L 11 N-PREMIUM	20	200	36	13	24	VBMT	--	--	VT25B	BT08	0,500		●	
A25R SVUBR/L 16 N-PREMIUM	25	200	40	17	31	VBMT	--	--	VT40B	BT15	0,700		●	

N-PREMIUM

A-SVUCR/L

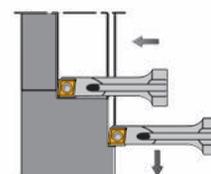
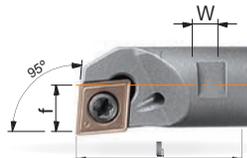
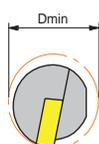
	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A16Q SVUCR/L 11 N-PREMIUM	16	180	31	11	20	VCMT	--	--	VT25B	BT08	0,250		●	
A20R SVUCR/L 11 N-PREMIUM	20	200	36	13	24	VCMT	--	--	VT25B	BT08	0,500		●	
A25R SVUCR/L 16 N-PREMIUM	25	200	40	17	31	VCMT	--	--	VT40B	BT15	0,700		●	

GAMBI IN METALLO DURO INTEGRALE _ VHM SCHAFTEN _ SOLID CARBIDE SHANKS

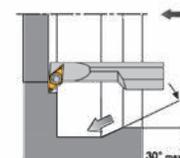
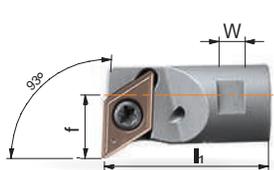
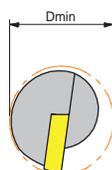


E..K	d	l1 (mm)	M	KG	STOCK	PRICELIST on
E08K M4 R	8	112	M4	0,070	●	
E10K M5 R	10	112	M5	0,110	●	
E12M M6 R	12	137	M6	0,180	●	
E16R M8 R	16	177	M8	0,500	●	

TESTINA FILETTATA _ KÖPFE MIT GEWINDE _ HEADS WITH THREAD CONNECTION



A-SLCR	d	l1 (mm)	f	W	Dmin	CCMT CCGT 0602...	VT25B	BT08	CBH 0816	KG	STOCK	PRICELIST on
A 08 SLCR 06	8	21	5	3,5	10					0,008	●	
A 10 SLCR 06	10	22	6	3,5	12					0,010	●	
A 12 SLCR 06	12	23	7	3,5	16					0,014	●	
A 16 SLCR 09	16	26	9	3,5	20	CCMT CCGT 09T3...	VT40B	BT15		0,030	●	



A-SDUCR	d	l1 (mm)	f	W	Dmin	DCMT DCGT 0702...	VT25B	BT08	CBH 0816	KG	STOCK	PRICELIST on
A 08 SDUCR 07	8	21	9	3,5	13					0,008	●	
A 10 SDUCR 07	10	22	9	3,5	14					0,010	●	
A 12 SDUCR 07	12	23	10	3,5	16					0,014	●	
A 16 SDUCR 07	16	26	11,3	3,5	20					0,030	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

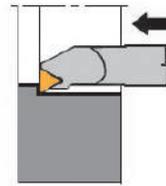
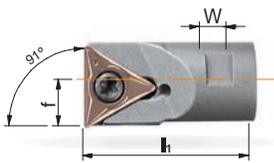
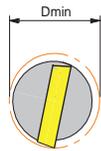
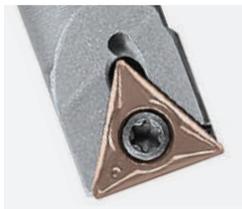
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

TESTINA FILETTATA _ KÖPFE MIT GEWINDE _ HEADS WITH THREAD CONNECTION



A-STFCR		d	l1	f	W	Dmin							STOCK	PRICELIST on
STEEL	A 08 STFCR 08	8	21	5	3,5	10	TCMT 0802...	VT20	BT06		0,008	●		
	A 10 STFCR 11	10	22	6	3,5	12	TCMT TCGT 1102...	VT25B	BT08	CBH 0816	0,010	●		
	A 12 STFCR 11	12	23	7	3,5	14					0,014	●		
	A 16 STFCR 11	16	26	9	3,5	18	0,030	●						



SET BARENO MD + TESTINE
VHM SCHAFT + EINSCHRAUBEN-KÖPFEN SATZ
CARBIDE SHANK + HEADS WITH THREAD CONNECTION SET

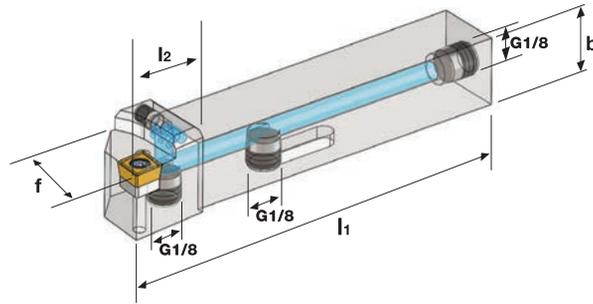
PROFI-BOX
SC06.SD07.ST08



STOCK

SET E08K-R SC06.SD07.ST08	n° 1	■	E08K M4 R		
	n° 1	⊕	A08 SCLCR 06	●	SPECIAL NET PRICE PROMO
	n° 1	⊖	A08 SDUCR 07	●	
SET E10K-R SC06.SD07.ST11	n° 1	⊕	A08 STFCR 08		
	n° 1	■	E10K M5 R		
	n° 1	⊕	A10 SCLCR 06	●	SPECIAL NET PRICE PROMO
SET E12M-R SC06.SD07.ST11	n° 1	⊖	A10 SDUCR 07	●	
	n° 1	⊖	A10 STFCR 11		
	n° 1	■	E12M M6 R		
	n° 1	⊕	A12 SCLCR 06	●	SPECIAL NET PRICE PROMO
	n° 1	⊖	A12 SDUCR 07	●	
	n° 1	⊕	A12 STFCR 11		

UTENSILI PER TORNITURA ESTERNA
KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS
 Con lubrificazione _ Mit Innenkühlung _ With coolant

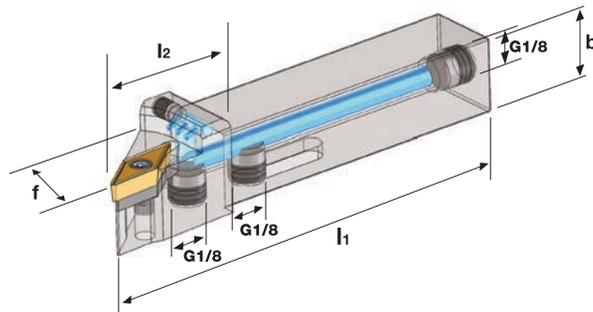
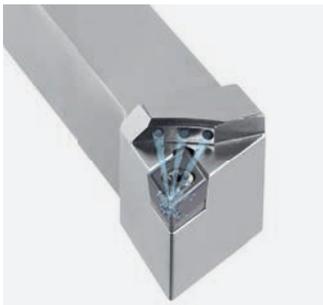


Stelo in acciaio _ Stahlschaft _ Steelshank

SCLCR/L

h1 h2 b l1 l2 f STOCK PRICELIST on

SCLCR/L 1616 H09 – IK G1/8	16	16	16	100	17	20	CCMT CCGT 09T3...	US1111	GBS1111	SS1111	BT15	0,235		
SCLCR/L 2020 K09 – IK G1/8	20	20	20	125	17	25						0,420		
SCLCR/L 2525 M12 – IK G1/8	25	25	25	150	20	32	CCMT CCGT 1204...	US1221	GBS1221	SS1221	BT15	0,770		



Stelo in acciaio _ Stahlschaft _ Steelshank

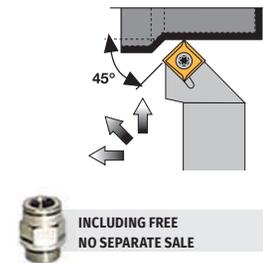
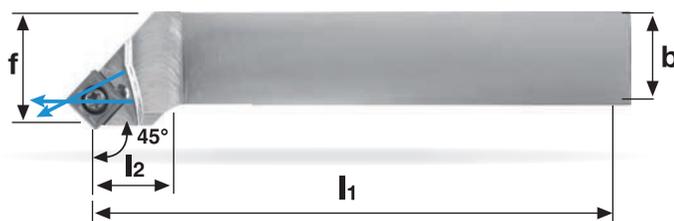
SDJCR/L

h1 h2 b l1 l2 f STOCK PRICELIST on

SDJCR/L 1616 H11 – IK G1/8	16	16	16	100	20	20						0,230		
SDJCR/L 2020 K11 – IK G1/8	20	20	20	125	24	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,408		
SDJCR/L 2525 M11 – IK G1/8	25	25	25	150	27	32						0,735		

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

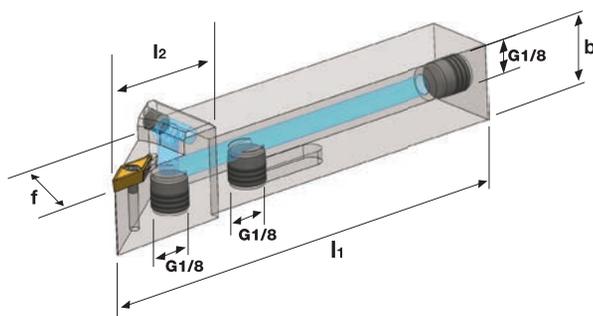
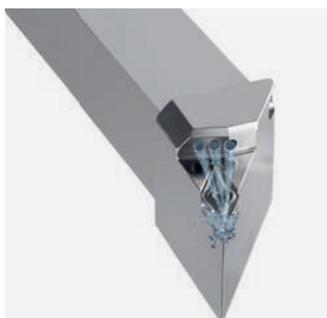
Con lubrificazione _ Mit Innenkühlung _ With coolant



Stelo in acciaio _ Stahlschaft _ Steelshank

SSSCR/L

	h1	h2	b	l1	l2	f	SCMT	SCGT	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
SSSCR/L 1616 H09 - IK G1/8	16	16	16	100	20	20	SCMT	SCGT	US4111	GBS1111	SS1111	BT15	0,235	●	●
SSSCR/L 2020 K09 - IK G1/8	20	20	20	125	20	25	SCMT	SCGT	US4221	GBS1221	SS1221	BT15	0,420	●	●
SSSCR/L 2525 M12 - IK G1/8	25	25	25	150	25	32	SCMT	SCGT	US4221	GBS1221	SS1221	BT15	0,770	●	●

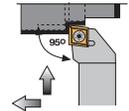
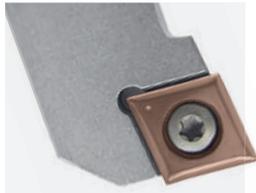


Stelo in acciaio _ Stahlschaft _ Steelshank

SVJCR/L

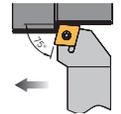
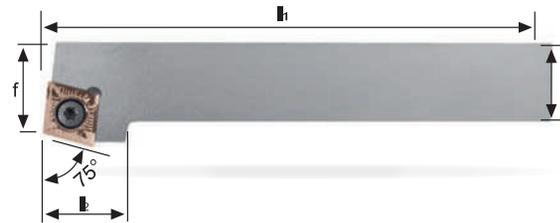
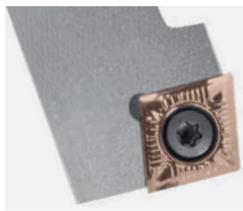
	h1	h2	b	l1	l2	f	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
SVJCR/L 1616 H11 - IK G1/8	16	16	16	100	21,5	20	VCMT	VCGT	--	--	SS1751	BT08	0,203	●	●
SVJCR/L 2020 K11 - IK G1/8	20	20	20	125	23	25	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,373	●	●
SVJCR/L 2020 K16 - IK G1/8	20	20	20	125	29,5	25	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,380	●	●
SVJCR/L 2525 M16 - IK G1/8	25	25	25	150	32,5	32	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,677	●	●

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



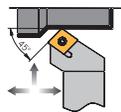
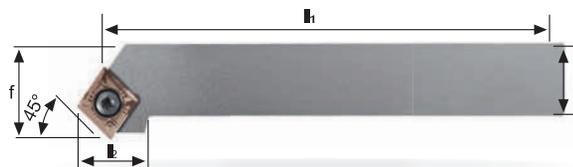
Stelo in acciaio _ Stahlschaft _ Steelshank

SCLCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on	
SCLCR/L 0808 D06	8	8	8	60	9	10	CCMT	CCGT	SS1751	BT08	0,040	●		
SCLCR/L 1010 E06	10	10	10	70	10	12	0602...	--	--		0,060	●		
SCLCR/L 1212 F09	12	12	12	80	17	16					0,090	●		
SCLCR/L 1616 H09	16	16	16	100	17	20	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	●
SCLCR/L 2020 K09	20	20	20	125	18	25	09T3...				0,420	●		
SCLCR/L 2525 M09	25	25	25	150	19	32					0,740	●		
SCLCR/L 1616 H12	16	16	16	100	20	20					0,220	●		
SCLCR/L 2020 K12	20	20	20	125	20	25	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	●
SCLCR/L 2525 M12	25	25	25	150	20	32	1204...				0,740	●		



Stelo in acciaio _ Stahlschaft _ Steelshank

SCRCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on	
SCRCR/L 0808 D06	8	8	8	60	14	9	CCMT	CCGT	SS1751	BT08	0,040	●		
SCRCR/L 1010 E06	10	10	10	70	14	11	0602...	--	--		0,060	●		
SCRCR/L 1212 F09	12	12	12	80	20	13					0,090	●		
SCRCR/L 1616 H09	16	16	16	100	20	17	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	●
SCRCR/L 2020 K09	20	20	20	125	21	22	09T3...				0,420	●		
SCRCR/L 1616 H12	16	16	16	100	24	17					0,220	●		
SCRCR/L 2020 K12	20	20	20	125	24	22	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	●
SCRCR/L 2525 M12	25	25	25	150	24	27	1204...				0,740	●		



Stelo in acciaio _ Stahlschaft _ Steelshank

SCSCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on	
SCSCR/L 0808 D06	8	8	8	60	12	10	CCMT	CCGT	SS1751	BT08	0,040	●		
SCSCR/L 1010 E06	10	10	10	70	12	12	0602...	--	--		0,060	●		
SCSCR/L 1212 F09	12	12	12	80	19	16					0,090	●		
SCSCR/L 1616 H09	16	16	16	100	20	20	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	●
SCSCR/L 2020 K09	20	20	20	125	22	25	09T3...				0,420	●		
SCSCR/L 1616 H12	16	16	16	100	22	20					0,220	●		
SCSCR/L 2020 K12	20	20	20	125	24	25	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	●
SCSCR/L 2525 M12	25	25	25	150	27	32	1204...				0,740	●		

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

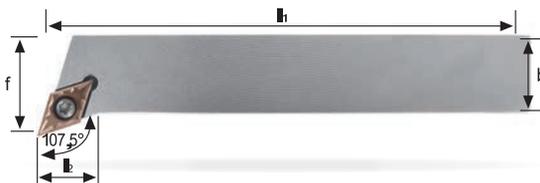
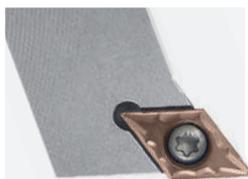
MINIMILL

MOULDMILL

MICROTOOLS
AMS

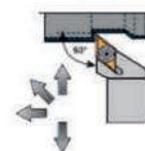
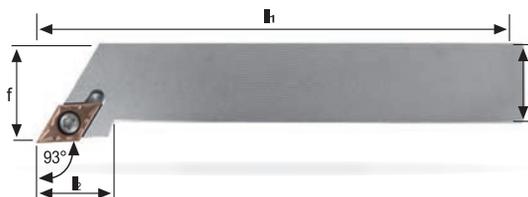
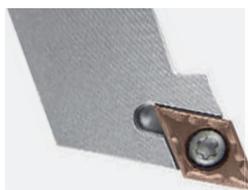
MINITOLS

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



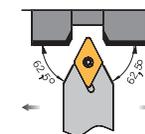
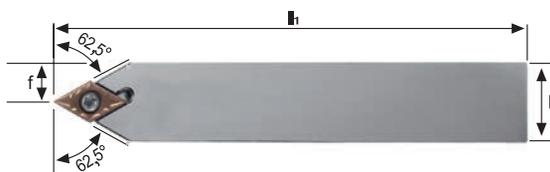
Stelo in acciaio _ Stahlschaft _ Steelshank

SDHCR/L	↔ (mm)																STOCK	PRICELIST on
	h1	h2	b	l1	l2	f												
SDHCR/L 1010 E07	10	10	10	70	7,2	12	DCMT DCGT 0702...	--	--	SS1751	BT08	0,060	--	●				
SDHCR/L 1212 F07	12	12	12	80	12	16						0,090	--	●				
SDHCR/L 1616 H11	16	16	16	100	11,6	20						0,220	--	●				
SDHCR/L 2020 K11	20	20	20	125	14,7	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●				
SDHCR/L 2525 M11	25	25	25	150	21	32						0,740	--	●				



Stelo in acciaio _ Stahlschaft _ Steelshank

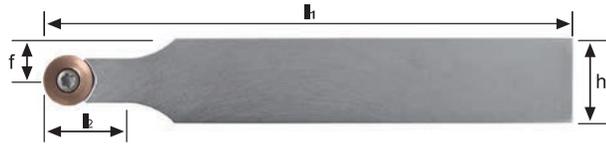
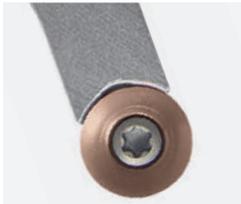
SDJCR/L	↔ (mm)																STOCK	PRICELIST on
	h1	h2	b	l1	l2	f												
SDJCR/L 0808 D07	8	8	8	60	12,8	10						0,040	--	●				
SDJCR/L 1010 E07	10	10	10	70	12,8	12						0,060	--	●				
SDJCR/L 1212 F07	12	12	12	80	17	16	DCMT DCGT 0702...	--	--	SS1751	BT08	0,090	--	●				
SDJCR/L 1616 H07	16	16	16	100	22	20						0,210	--	●				
SDJCR/L 2020 K07	20	20	20	125	24	25						0,400	--	●				
SDJCR/L 1616 H11	16	16	16	100	20	20						0,220	--	●				
SDJCR/L 2020 K11	20	20	20	125	24	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●				
SDJCR/L 2525 M11	25	25	25	150	27	32						0,740	--	●				



Stelo in acciaio _ Stahlschaft _ Steelshank

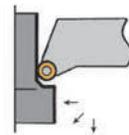
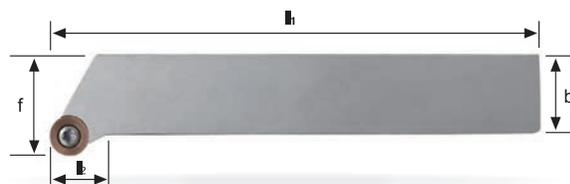
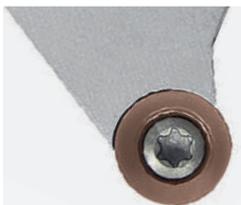
SDNCN	↔ (mm)															STOCK	PRICELIST on
	h1	h2	b	l1	f												
SDNCN 0808 D07	8	8	8	60	4							0,040	--	●			
SDNCN 1010 E07	10	10	10	70	5							0,060	--	●			
SDNCN 1212 F07	12	12	12	80	6							0,090	--	●			
SDNCN 1616 H11	16	16	16	100	8							0,220	--	●			
SDNCN 2020 K11	20	20	20	125	10		DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●			
SDNCN 2525 M11	25	25	25	150	12,5							0,740	--	●			

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

SRDCN	↔ (mm)					RCMT RCGT 0602...	RCMT RCGT 0803...	RCMT RCGT 1003...	RCMT RCGT 1204...	US3431	GBS1111	SS1751	SS8831	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	l1	l2	f														
SRDCN 1212 F06	12	12	80	12,4	6												0,090	--	●
SRDCN 1616 H06	16	16	100	12,4	8							SS1751			BT08		0,220	--	●
SRDCN 2020 K06	20	20	125	12,4	10												0,420	--	●
SRDCN 2525 M06	25	25	150	12,4	12,5												0,740	--	●
SRDCN 1616 H08	16	16	100	16,4	8												0,220	--	●
SRDCN 2020 K08	20	20	125	16,4	10							SS8831			BT08		0,420	--	●
SRDCN 2525 M08	25	25	150	16,4	12,5												0,740	--	●
SRDCN 1616 H10	16	16	100	20,3	8												0,220	--	●
SRDCN 2020 K10	20	20	125	20,3	10					US3431	GBS1111	SS1111			BT15		0,420	--	●
SRDCN 2525 M10	25	25	150	20,3	12,5												0,740	--	●
SRDCN 2020 K12	20	20	125	20,3	10												0,420	--	●
SRDCN 2525 M12	25	25	150	20,3	12,5												0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SRGCR/L	↔ (mm)						RCMT RCGT 0602...	RCMT RCGT 0803...	RCMT RCGT 1003...	US3431	GBS1111	SS1751	SS8831	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f													
SRGCR/L 1212 F06	12	12	12	80	13,8	16											0,090	--	●
SRGCR/L 1616 H06	16	16	16	100	13,8	20						SS1751			BT08		0,220	--	●
SRGCR/L 2020 K06	20	20	20	125	15,3	25											0,420	--	●
SRGCR/L 2525 M06	25	25	25	150	18,8	32											0,740	--	●
SRGCR/L 1616 H08	16	16	16	100	14,7	20											0,220	--	●
SRGCR/L 2020 K08	20	20	20	125	16,4	25						SS8831			BT08		0,420	--	●
SRGCR/L 2525 M08	25	25	25	150	19,8	32											0,740	--	●
SRGCR/L 1616 H10	16	16	16	100	15,5	20											0,220	--	●
SRGCR/L 2020 K10	20	20	20	125	17,2	25				US3431	GBS1111	SS1111			BT15		0,420	--	●
SRGCR/L 2525 M10	25	25	25	150	20,7	32											0,740	--	●

● Disponibile - Lieferbar - On stock

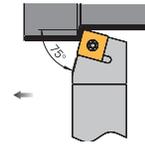
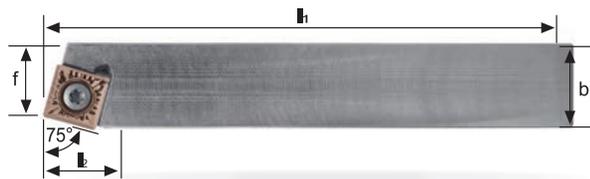
○ A richiesta - Auf Anfrage - On request

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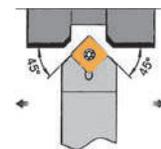
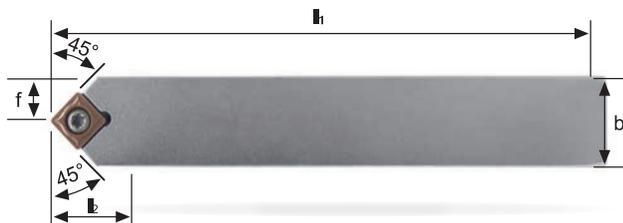
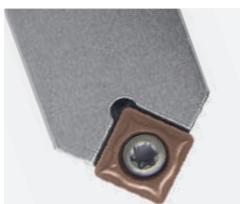
69

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



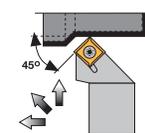
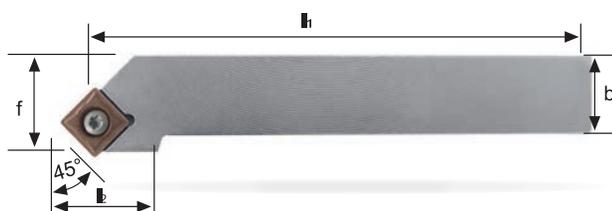
Stelo in acciaio _ Stahlschaft _ Steelshank

SSBCR/L	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSBCR/L 1616 H09	16	16	16	100	20	13	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,220	--	●
SSBCR/L 2020 K12	20	20	20	125	20	17						0,420	--	●
SSBCR/L 2525 M12	25	25	25	150	20	22						0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

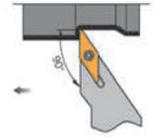
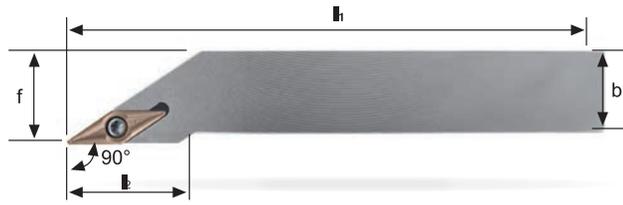
SSDCN	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSDCN 1212 F09	12	12	12	80	16	6	SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	0,090	--	●
SSDCN 1616 H09	16	16	16	100	20	8						0,220	--	●
SSDCN 2020 K09	20	20	20	125	20	10	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,420	--	●
SSDCN 1616 H12	16	16	16	100	25	8						0,220	--	●
SSDCN 2020 K12	20	20	20	125	25	10						0,420	--	●
SSDCN 2525 M12	25	25	25	150	25	12,5						0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

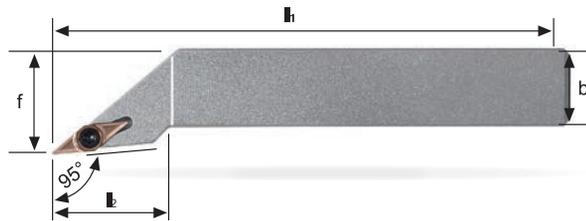
SSSCR/L	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSSCR/L 0808 D09	8	8	8	60	21	13	SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	0,040	--	●
SSSCR/L 1010 E09	10	10	10	70	21	14						0,060	--	●
SSSCR/L 1212 F09	12	12	12	80	17	16	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,090	--	●
SSSCR/L 1616 H09	16	16	16	100	20	20						0,220	--	●
SSSCR/L 2020 K09	20	20	20	125	20	25						0,420	--	●
SSSCR/L 1616 H12	16	16	16	100	18	20	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,220	--	●
SSSCR/L 2020 K12	20	20	20	125	26,7	25						0,420	--	●
SSSCR/L 2525 M12	25	25	25	150	25	32						0,740	--	●

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



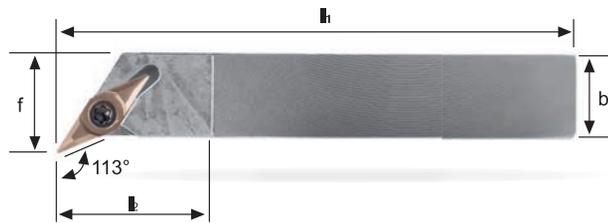
Stelo in acciaio _ Stahlschaft _ Steelshank

SVGCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVGCR/L 0808 K07	8	8	8	125	15	8,5						0,040	--	●	
SVGCR/L 1010 M07	10	10	10	150	15	10,5	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVGCR/L 1212 M07	12	12	12	150	18	12,5						0,090	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SVLCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVLCR/L 0808 D07	8	8	8	60	15	10						0,040	--	●	
SVLCR/L 1010 E07	10	10	10	70	15	12	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVLCR/L 1212 F07	12	12	12	80	18	16						0,090	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SVXCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVXCR/L 0808 D07	8	8	8	60	15	10						0,040	--	●	
SVXCR/L 1010 E07	10	10	10	70	15	12	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVXCR/L 1212 F07	12	12	12	80	18	16						0,090	--	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

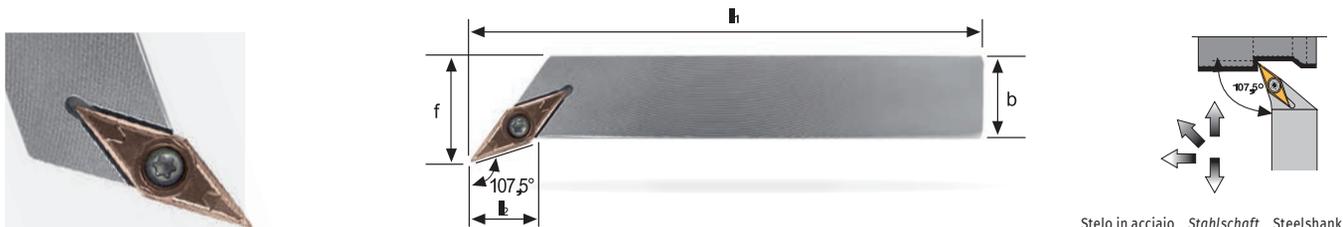
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

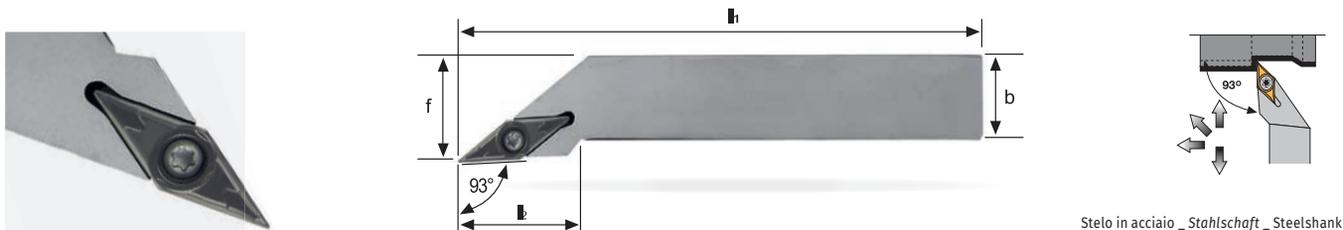
UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

SVHBR/L	h1	h2	b	(mm)		f						KG		STOCK	PRICELIST on
				l1	l2										
SVHBR/L 1212 F11	12	12	12	80	13,4	16						0,090		●	
SVHBR/L 1616 H11	16	16	16	100	13,4	20	VBMT VBGT 1103...	--	--	SS1751	BT08	0,220		●	
SVHBR/L 2020 K11	20	20	20	125	16,6	25						0,420		●	
SVHBR/L 2020 K16	20	20	20	125	15,9	25	VBMT VBGT 1604...	US6522	GBS1111	SS1111	BT15	0,420		●	
SVHBR/L 2525 M16	25	25	25	150	20,6	32						0,740		●	

SVHCR/L	h1	h2	b	(mm)		f						KG		STOCK	PRICELIST on
				l1	l2										
SVHCR/L 1212 F11	12	12	12	80	13,4	16						0,090		●	
SVHCR/L 1616 H11	16	16	16	100	13,4	20	VCMT VCGT 1103...	--	--	SS1751	BT08	0,220		●	
SVHCR/L 2020 K11	20	20	20	125	16,6	25						0,420		●	
SVHCR/L 2525 M11	25	25	25	150	22,9	32						0,740		●	
SVHCR/L 2020 K16	20	20	20	125	15,2	25	VCMT VCGT 1604...	US6522	GBS1111	SS1111	BT15	0,420		●	
SVHCR/L 2525 M16	25	25	25	150	23,5	32						0,740		●	



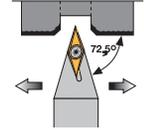
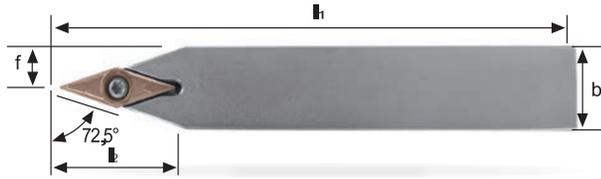
Stelo in acciaio _ Stahlschaft _ Steelshank

SVJBR/L	h1	h2	b	(mm)		f						KG		STOCK	PRICELIST on
				l1	l2										
SVJBR/L 1212 F11	12	12	12	80	21,5	16						0,090		●	
SVJBR/L 1616 H11	16	16	16	100	21,5	20	VBMT VBGT 1103...	--	--	SS1751	BT08	0,220		●	
SVJBR/L 2020 K11	20	20	20	125	23	25						0,420		●	
SVJBR/L 2020 K16	20	20	20	125	29,5	25	VBMT VBGT 1604...	US6522	GBS1111	SS1111	BT15	0,420		●	
SVJBR/L 2525 M16	25	25	25	150	33	32						0,740		●	

Stelo in acciaio _ Stahlschaft _ Steelshank

SVJCR/L	h1	h2	b	(mm)		f						KG		STOCK	PRICELIST on
				l1	l2										
SVJCR/L 1212 F11	12	12	12	80	21,5	16						0,090		●	
SVJCR/L 1616 H11	16	16	16	100	21,5	20	VCMT VCGT 1103...	--	--	SS1751	BT08	0,220		●	
SVJCR/L 2020 K11	20	20	20	125	24	25						0,420		●	
SVJCR/L 2525 M11	25	25	25	150	26	32						0,740		●	
SVJCR/L 2020 K16	20	20	20	125	29,5	25	VCMT VCGT 1604...	US6522	GBS1111	SS1111	BT15	0,420		●	
SVJCR/L 2525 M16	25	25	25	150	32,5	32						0,740		●	

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

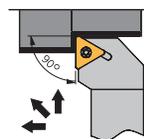
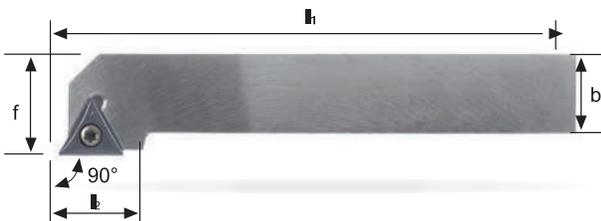
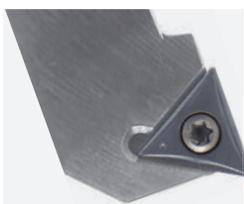


Stelo in acciaio _ Stahlschaft _ Steelshank

SVVBN	i (mm)						VCMT VCGT 1103...	VCMT VCGT 1604...	US6522	GBS1111	SS1751	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f											
SVVBN 1212 F11	12	12	12	80	18,5	6								0,090	--	●	
SVVBN 1616 H11	16	16	16	100	24,7	8	VCMT VCGT 1103...	--	--	SS1751		BT08		0,220	--	●	
SVVBN 2020 K11	20	20	20	125	32	10								0,420	--	●	
SVVBN 2525 M11	25	25	25	150	38,9	12,5								0,740	--	●	
SVVBN 2020 K16	20	20	20	125	30,7	10	VCMT VCGT 1604...	US6522	GBS1111	SS1111		BT15		0,420	--	●	
SVVBN 2525 M16	25	25	25	150	38,8	12,5								0,740	--	●	

Stelo in acciaio _ Stahlschaft _ Steelshank

SVVCN	i (mm)						VCMT VCGT 0702...	VCMT VCGT 1103...	VCMT VCGT 1604...	US6522	GBS1111	SS1751	SS1111	BT06	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f													
SVVCN 0808 K07	8	8	8	125	15	4											0,040	--	●
SVVCN 1010 M07	10	10	10	150	15	5	VCMT VCGT 0702...	--	--	VT20		BT06		0,060	--	●			
SVVCN 1212 M07	12	12	12	150	18	6								0,090	--	●			
SVVCN 1212 F11	12	12	12	80	18,4	6								0,090	--	●			
SVVCN 1616 H11	16	16	16	100	24,7	8	VCMT VCGT 1103...	--	--	SS1751		BT08		0,220	--	●			
SVVCN 2020 K11	20	20	20	125	31,3	10								0,420	--	●			
SVVCN 2525 M11	25	25	25	150	39	12,5								0,740	--	●			
SVVCN 2020 K16	20	20	20	125	31,1	10	VCMT VCGT 1604...	US6522	GBS1111	SS1111		BT15		0,420	--	●			
SVVCN 2525 M16	25	25	25	150	38,2	12,5								0,740	--	●			



Stelo in acciaio _ Stahlschaft _ Steelshank

STGCR/L	i (mm)						TCMT 1102...	TCMT TCGT 16T3...	US5511	GBS1111	SS1751	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f											
STGCR/L 1212 F11	12	12	12	80	19	16	TCMT 1102...	--	--	SS1751		BT08		0,090	--	●	
STGCR/L 1616 H11	16	16	16	100	19	20								0,220	--	●	
STGCR/L 1616 H16	16	16	16	100	22	20								0,220	--	●	
STGCR/L 2020 K16	20	20	20	125	22	25	TCMT TCGT 16T3...	US5511	GBS1111	SS1111		BT15		0,420	--	●	
STGCR/L 2525 M16	25	25	25	150	23	32								0,740	--	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

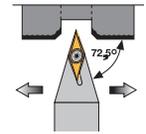
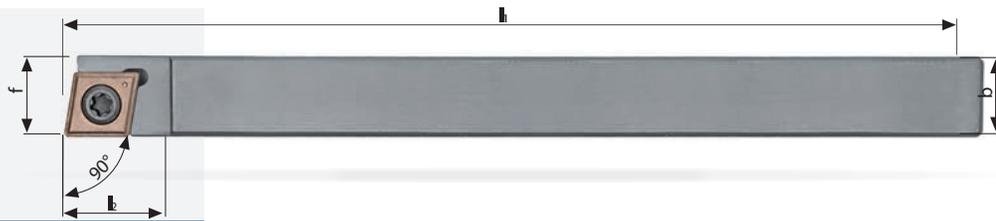
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MOULDMILL

MICROTOOLS
AMS

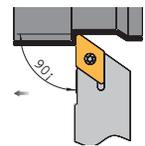
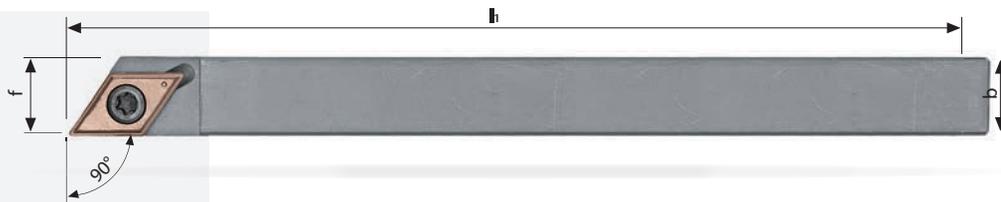
MINITOLS

UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS



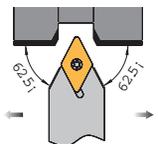
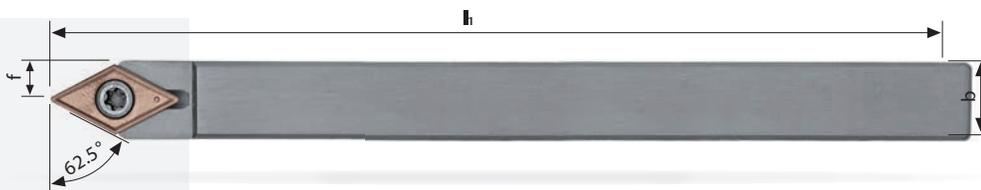
Stelo in acciaio _ Stahlschaft _ Steelshank

SCACR/L	↔ (mm)					f						KG		STOCK	PRICELIST on
	h1	h2	b	l1	l										
SCACR/L 0808 X06-A	8	8	8	115	8,0							0,060	--	●	
SCACR/L 1010 X06-A	10	10	10	115	10,0	CCMT CCGT 0602...	--	--	SS1751	BT08		0,100	--	●	
SCACR/L 1212 X06-A	12	12	12	130	12,0							0,150	--	●	
SCACR/L 1212 X09-A	12	12	12	130	12,0	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,150	--	●	
SCACR/L 1616 X09-A	16	16	16	130	16,0							0,260	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SDACR/L	↔ (mm)					f						KG		STOCK	PRICELIST on
	h1	h2	b	l1	l										
SDACR/L 0808 X07-A	8	8	8	115	8,0							0,060	--	●	
SDACR/L 1010 X07-A	10	10	10	115	10,0	DCMT DCGT 0702...	--	--	SS1751	BT08		0,090	--	●	
SDACR/L 1212 X07-A	12	12	12	130	12,0							0,150	--	●	
SDACR/L 1616 X07-A	16	16	16	130	16,0							0,250	--	●	
SDACR/L 1212 X11-A	12	12	12	130	12,0	DCMT DCGT 11T3...	--	--	VT40B	BT15		0,150	--	●	
SDACR/L 1616-X11-A	16	16	16	130	16,0							0,250	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SDNCN	↔ (mm)					f						KG		STOCK	PRICELIST on
	h1	h2	b	l1	l										
SDNCN 1010 X07-A	10	10	10	115	5,0	DCMT DCGT 0702...	--	--	SS1751	BT08		0,060	--	●	
SDNCN 1212 X11-A	12	12	12	130	6,0	DCMT DCGT 11T3...	--	--	VT40B	BT15		0,150	--	●	
SDNCN 1616 X11-A	16	16	16	130	8,0							0,250	--	●	

UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS

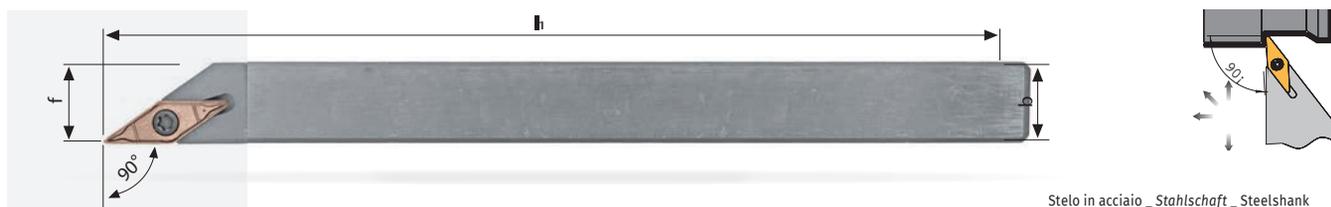
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

SVACR/L	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVACR/L 0808 X11-A	8	8	8	115	8,0							0,060	--	●
SVACR/L 1010 X11-A	10	10	10	115	10,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,090	--	●
SVACR/L 1212 X11-A	12	12	12	130	12,0							0,150	--	●
SVACR/L 1616 X11-A	16	16	16	130	16,0							0,250	--	●
SVACR/L 1212 X16-A	12	12	12	130	12,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,140	--	●
SVACR/L 1616-X16-A	16	16	16	130	16,0							0,240	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SVJCR/L	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVJCR/L 0808 X11-A	8	8	8	115	8,0							0,060	--	●
SVJCR/L 1010 X11-A	10	10	10	115	10,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,090	--	●
SVJCR/L 1212 X11-A	12	12	12	130	12,0							0,150	--	●
SVJCR/L 1616 X11-A	16	16	16	130	16,0							0,250	--	●
SVJCR/L 1212 X16-A	12	12	12	130	12,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,140	--	●
SVJCR/L 1616-X16-A	16	16	16	130	16,0							0,240	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SVVCN	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVVCN 1010 X11-A	10	10	10	115	5,0							0,100	--	●
SVVCN 1212 X11-A	12	12	12	130	6,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,150	--	●
SVVCN 1616 X11-A	16	16	16	130	8,0							0,250	--	●
SVVCN 1212 X16-A	12	12	12	130	6,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,150	--	●
SVVCN 1616 X16-A	16	16	16	130	8,0							0,240	--	●

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS

NEW

QCTB	h1	h2	b	RE	LH	l1			KG		STOCK	PRICELIST on
QCTB 1212	12	21,5	12	4	16	84	M8X5QC	VT40QC	0,140		●	
QCTB 1616	16	21,5	16	1	16	90	(M8X1X5)	(M4X0,7)	0,220		●	

NEW

SCLCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SCLCR/L 12-06	11,8	0,2	27,3	43,3			0,080	-	○	
SCLCR/L 12-06 W	11,8	0,2	27,3	43,3	CCMT CCGT 0602...	SS1751	BT08	0,080	●	
SCLCR/L 16-06	15,8	0,2	27,3	43,3			0,080	-	○	
SCLCR/L 16-06 W	15,8	0,2	27,3	43,3			0,080	●		
SCLCR/L 12-09	11,8	0,2	27,3	43,3			0,080	-	○	
SCLCR/L 12-09 W	11,8	0,2	27,3	43,3	CCMT CCGT 09T3...	VT35	BT15	0,080	●	
SCLCR/L 16-09	15,8	0,2	27,3	43,3			0,090	-	○	
SCLCR/L 16-09 W	15,8	0,2	27,3	43,3			0,090	●		

NEW

SDJCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SDJCR/L 12-07	11,8	0,2	27,3	43,3			0,080	-	○	
SDJCR/L 12-07 W	11,8	0,2	27,3	43,3	DCMT DCGT 0702...	SS1751	BT08	0,080	●	
SDJCR/L 16-07	15,8	0,2	27,3	43,3			0,080	-	○	
SDJCR/L 16-07 W	15,8	0,2	27,3	43,3			0,080	●		
SDJCR/L 12-11	11,8	0,2	27,3	43,3			0,080	-	○	
SDJCR/L 12-11 W	11,8	0,2	27,3	43,3	DCMT DCGT 11T3...	VT35	BT15	0,080	●	
SDJCR/L 16-11	15,8	0,2	27,3	43,3			0,090	-	○	
SDJCR/L 16-11 W	15,8	0,2	27,3	43,3			0,090	●		

NEW

SVJCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SVJCR/L 12-11	11,8	0,2	27,3	43,3			0,070	-	○	
SVJCR/L 12-11 W	11,8	0,2	27,3	43,3	VCMT VCGT 1103...	SS1751	BT08	0,070	●	
SVJCR/L 16-11	15,8	0,2	27,3	43,3			0,080	-	○	
SVJCR/L 16-11 W	15,8	0,2	27,3	43,3			0,080	●		

NEW

... ER/L	HF	LF	l1				KG		STOCK	PRICELIST on			
SER/L 12-11	11,8	27,3	43,3	11 ER/L	-	-	-	SS1751	BT08	0,070	-	○	
TER/L 16-16	15,8	27,3	43,3	16 ER/L	US-3R	US-3L	USR-3E	GBS-3E	VT40-3E	BT10	0,100	-	○

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

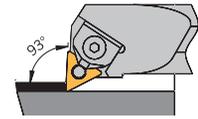
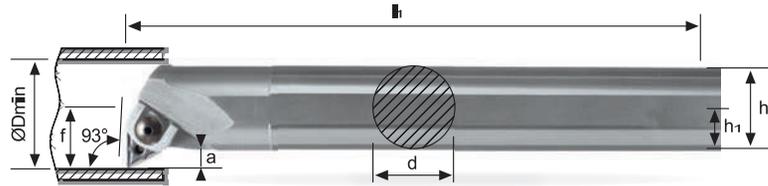
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

A-MTFNR/L

	d	h1	h2	l1	f	a	D _{min}		KG		STOCK	PRICELIST on
A32S MTFNR/L 16	32	15	30	250	22	5,9	44	TN... 1604...	1,400			
A40T MTFNR/L 16	40	18	36	300	27	6,9	54		2,700			

RICAMBI Ersatzteile Spare parts

Staffa Klemme Clamp

Perno Keilstück Wedge

Supporto Unterlegplatte Support pad

Grano Gewindestift Pin

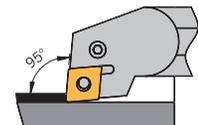
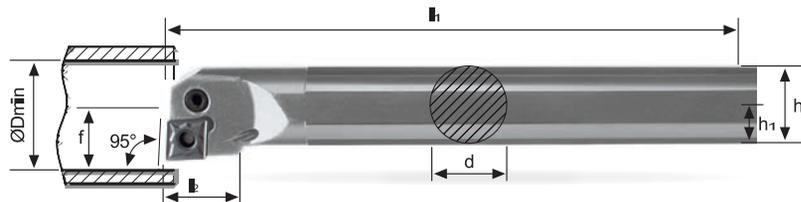
... MTFNR/L 16

GS1

P1

E1

G1



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PCLNR/L

	d	h1	h2	l1	l2	f	D _{min}		KG		STOCK	PRICELIST on
A16M PCLNR/L 09	16	8	15,5	150	21	11	20	CN... 0903...	0,250			
A20Q PCLNR/L 09	20	10	19	180	21	13	25		0,500			
A25R PCLNR/L 09	25	12,5	24	200	21	17	32		0,700			
A25R PCLNR/L 12	25	12,5	24	200	21	17	32	CN... 1204...	0,700			
A32S PCLNR/L 12	32	16	31	250	24,1	22	40		1,400			
A40T PCLNR/L 12	40	20	38,5	300	24,1	27	49		2,700			

RICAMBI Ersatzteile Spare parts

Supporto Unterlage Support pad

Leva Hebel Lever

Vite di fissaggio Klemmschraube Clamping screw

Spina supporto Rohrstift Shim pin

Punzone Montagedorn Shim pin punch

... 16/20... PCLNR/L 09

--

HP 1118

SP 1118

--

--

... 25... PCLNR/L 09

UP 1115

HP 4751

SP 3111

RP 3112

MP 3111

... 25... PCLNR/L 12

UP 1111

HP 1111

SP 1114

RP 1111

MP 1111

... 32-40... PCLNR/L 12

UP 1111

HP 1111

SP 1111

RP 1111

MP 1111

● Disponibile - Lieferbar - On stock

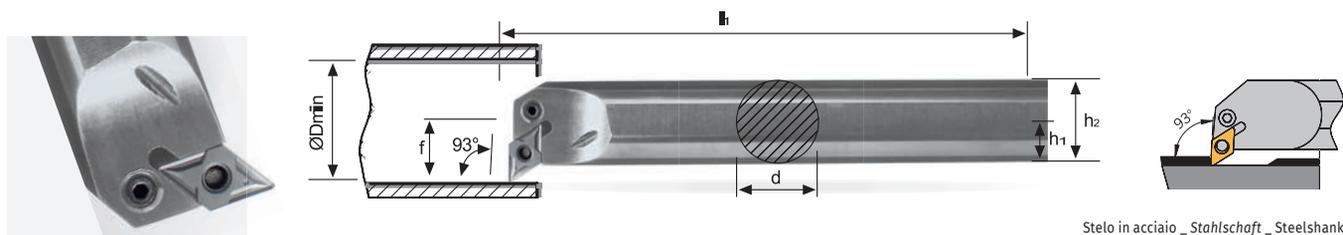
○ A richiesta - Auf Anfrage - On request

2023/24



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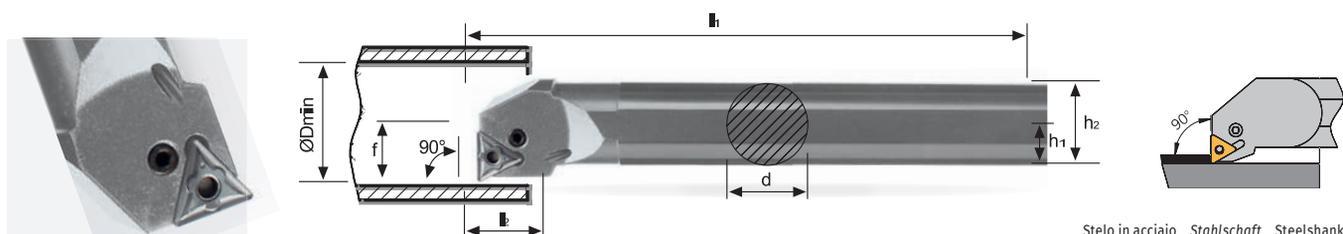
BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PDUNR/L	d	h1	h2	l1	f	D _{min}		KG		STOCK	PRICELIST on
A20Q PDUNR/L 11	20	10	19	180	16	27	DN...	0,500			
A25R PDUNR/L 11	25	12,5	24	200	18,5	32	1104...	0,700			
A32S PDUNR/L 15	32	16	31	250	22	40	DN...	1,400			
A40T PDUNR/L 15	40	20	38,5	300	27	49	1506...	2,700			

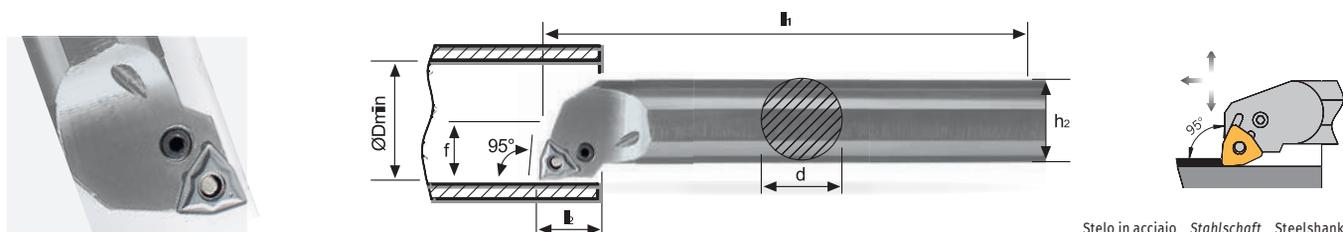
RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
...20... PDUNR/L 11	--	HP 2012	SP 3112	--	--
...25... PDUNR/L 11	UP 2011	HP 2011	SP 3111	RP 3112	MP 3111
...32-40... PDUNR/L 15	UP 2421	HP 2421	SP 1111	RP 1111	MP 1111



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PTFNR/L	d	h1	h2	l1	l2	f	D _{min}		KG		STOCK	PRICELIST on
A20Q PTFNR/L 11	20	10	19	180	14	13	25	TN... 1103...	0,500			
A25R PTFNR/L 16	25	12,5	24	200	17,5	17	32	TN... 1604...	0,700			

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
...20... PTFNR/L 11	--	HP 6051	SP 5751	--	--
...25... PTFNR/L 16	UP 6211	HP 4751	SP 3111	RP 3112	MP 3111



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PWLN/L	d	h2	l1	l2	f	D _{min}		KG		STOCK	PRICELIST on
A16M PWLN/L 06	16	15,5	150	17,5	11	21		0,250			
A20Q PWLN/L 06	20	19	180	19,5	13	25	WN...	0,500			
A25R PWLN/L 06	25	24	200	19,5	17	32	0604...	0,700			
A32S PWLN/L 08	32	31	250	26	22	40	WN... 0804...	1,400			

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
... 16-20... PWLN/L 06	--	HP 4753	SP 3113	--	--
... 25... PWLN/L 06	UP 71111	HP 4751	SP 3111	RP 3112	MP 3111
... 32... PWLN/L 08	UP 71011	HP 1111	SP 1111	RP 1111	MP 1111

UTENSILI PER TORNITURA ESTERNA
WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS
 Con lubrificazione _ Mit Innenkühlung _ With coolant

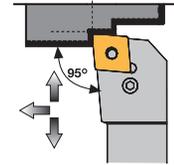
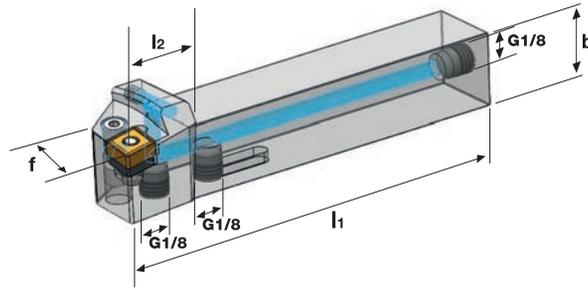
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLS



INCLUDING FREE
NO SEPARATE SALE

Stelo in acciaio _ Stahlschaft _ Steelshank

PCLNR/L

h1 h2 b l1 l2 f



KG STOCK PRICELIST on

PCLNR/L 1616 H12 - IK G1/8

16 16 16 100 26,1 20

0,254



PCLNR/L 2020 K12 - IK G1/8

20 20 20 125 27,4 25

CN... 1204... UP 1111 HP 1111 SP 1111 RP 1111 MP 1111

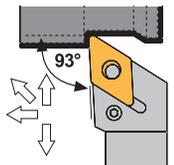
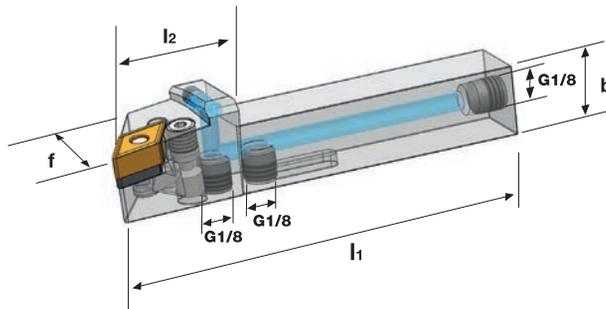
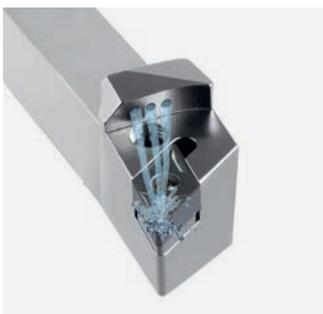
0,428



PCLNR/L 2525 M12 - IK G1/8

25 25 25 150 28 32

0,751



INCLUDING FREE
NO SEPARATE SALE

Stelo in acciaio _ Stahlschaft _ Steelshank

PDJNR/L

h1 h2 b l1 l2 f



KG STOCK PRICELIST on

PDJNR/L 1616 H11 - IK G1/8

16 16 16 100 30 20

DN... 1104... UP 2011 HP 2011 SP 3111 RP 3112 MP 3111

0,220



PDJNR/L 2020 K15 - IK G1/8

20 20 20 125 30 25

DN... 1506... UP 2421 HP 2421 SP 1111 RP 1111 MP 1111

0,411



PDJNR/L 2525 M15 - IK G1/8

25 25 25 150 30 32

0,737



● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

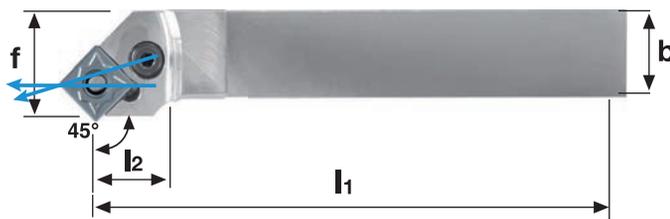
2023/24



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UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

Con lubrificazione _ Mit Innenkühlung _ With coolant



Stelo in acciaio _ Stahlschaft _ Steelshank

PSSNR/L



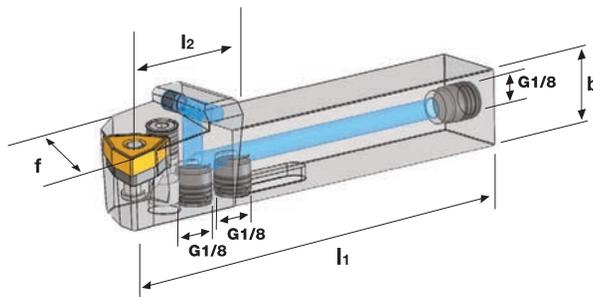
PSSNR/L 2020 K12 - IK G1/8 20 20 20 125 29,4 25

0,430 ●

SN... 1204... UP 5112 HP 1111 SP 1111 RP 1111 MP 1111

PSSNR/L 2525 M12 - IK G1/8 25 25 25 150 29,3 32

0,760 ●



Stelo in acciaio _ Stahlschaft _ Steelshank

PWLNR/L



PWLNR/L 2020 K08 - IK G1/8 20 20 20 125 25 25

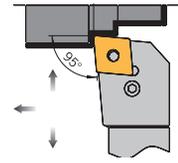
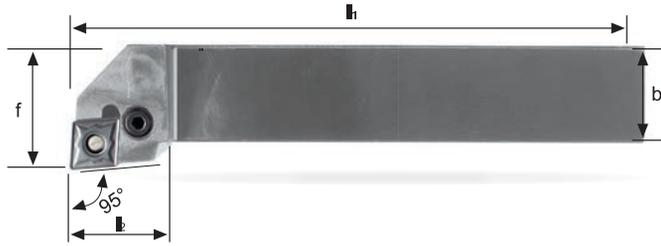
0,420 ●

WN... 0804... UP 71011 HP 1111 SP 1111 RP 1111 MP 1111

PWLNR/L 2525 M08 - IK G1/8 25 25 25 150 25 32

0,767 ●

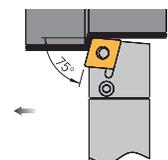
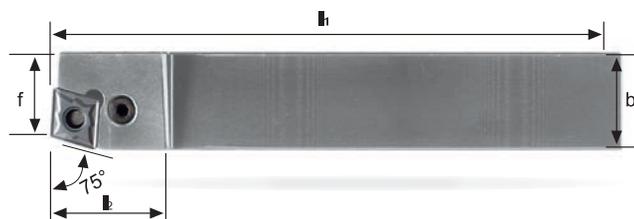
UTENSILI PER TORNITURA ESTERNA
WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

PCLNR/L	h1	h2	i (mm)		l2	f		KG		STOCK	PRICELIST on
			b	l1							
PCLNR/L 1616 H09	16	16	16	100	23	20,3	CN... 0903...	0,220	--	○	
PCLNR/L 1616 H12	16	16	16	100	26,1	20,3	CN... 1204...	0,220	--	●	
PCLNR/L 2020 K09	20	20	20	125	26	25,3	CN... 0903...	0,420	--	○	
PCLNR/L 2020 K12	20	20	20	125	27,5	25,3	CN... 1204...	0,420	--	●	
PCLNR/L 2525 M09	25	25	25	150	28	32,3	CN... 0903...	0,740	--	○	
PCLNR/L 2525 M12	25	25	25	150	28,1	32,3	CN... 1204...	0,740	--	●	
PCLNR/L 2525 M16	25	25	25	150	32,7	32,3	CN... 1606...	0,740	--	○	
PCLNR/L 3225 P12	32	32	25	170	31,2	32,3	CN... 1204...	1,300	--	●	
PCLNR/L 3232 P16	32	32	32	170	40	40,3	CN... 1606...	1,300	--	○	
PCLNR/L 3232 P19	32	32	32	170	38,2	40,3	CN... 1906...	1,300	--	○	
PCLNR/L 4040 S19	40	40	40	250	40	50,3		1,700	--	○	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PC... R/L... 09	UP 1115	HP 4751	SP 3111	RP 3112	MP 3111
PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111
PC... R/L... 16	UP 1221	HP 1221	SP 1221	RP 1221	MP 1221
PC... R/L... 19	UP 1321	HP 1321	SP 1321	RP 1321	MP 1321



Stelo in acciaio _ Stahlschaft _ Steelshank

PCBNR/L	h1	h2	i (mm)		l2	f		KG		STOCK	PRICELIST on
			b	l1							
PCBNR/L 2525 M12	25	25	25	150	27,7	22	CN... 1204...	0,740	--	●	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

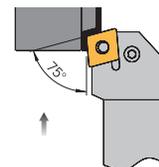
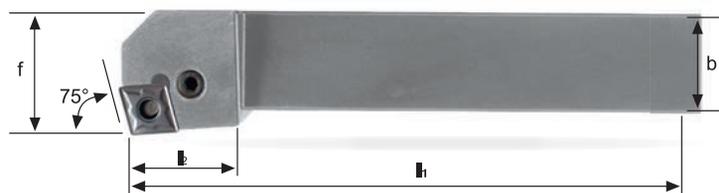
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



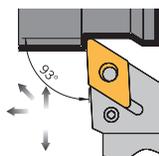
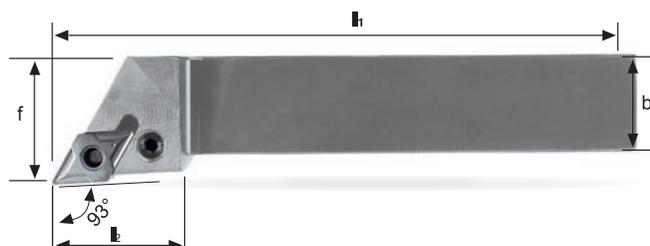
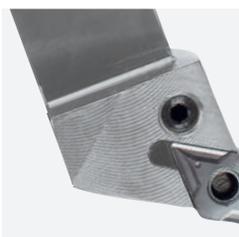
Stelo in acciaio _ Stahlschaft _ Steelshank

PCKNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
PCKNR/L 2020 K12	20	20	125	27,4	25	25			0,420	--	●	
								CN... 1204...				
PCKNR/L 2525 M12	25	25	150	28	25	32			0,740	--	●	

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111
------------------------	---------	---------	---------	---------	---------



Stelo in acciaio _ Stahlschaft _ Steelshank

PDJNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
PDJNR/L 1616 H11	16	16	16	100	30	20,2			0,220	--	○	
PDJNR/L 2020 K11	20	20	20	125	30	25,2		DN... 1104...	0,420	--	○	
PDJNR/L 2020 K15	20	20	20	125	35,4	25,2		DN... 1506...	0,420	--	●	
PDJNR/L 2525 M11	25	25	25	150	30	32,2		DN... 1104...	0,740	--	○	
PDJNR/L 2525 M15	25	25	25	150	35,4	32,2		DN... 1506...	0,740	--	●	
PDJNR/L 3225 P11	32	32	25	170	29,8	32,2		DN... 1104...	1,300	--	○	
PDJNR/L 3232 P15	32	32	32	170	35,4	40,2		DN... 1506...	1,300	--	●	

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PD... R/L... 11	UP 2011	HP 2011	SP 3111	RP 3112	MP 3111
PD... R/L... 15	UP 2421	HP 2421	SP 1111	RP 1111	MP 1111

UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

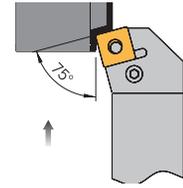
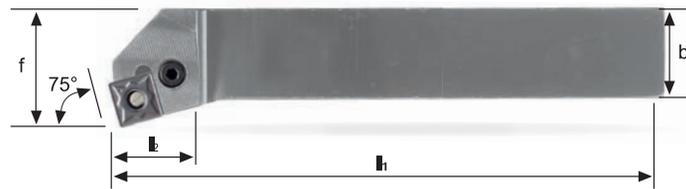
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES



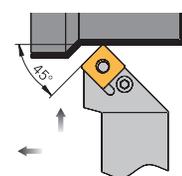
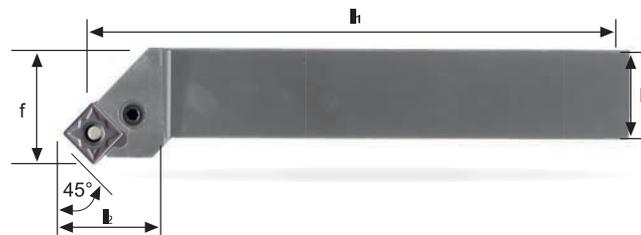
Stelo in acciaio _ Stahlschaft _ Steelshank

PSKNR/L

	h1	h2	: (mm)		l2	f	◇	KG	STOCK	PRICELIST on
			b	l1						
PSKNR/L 2020 K12	20	20	20	125	20,7	25,3		0,420	--	●
PSKNR/L 2525 M12	25	25	25	150	24	32,3	SN... 1204...	0,740	--	●
PSKNR/L 2525 M15	25	25	25	150	24,8	32,3		0,740	--	○
PSKNR/L 3232 P15	32	32	32	170	27,6	40,1	SN... 1506...	1,300	--	○
PSKNR/L 3232 P19	32	32	32	170	37,4	40,3	SN... 1906...	1,300	--	○

RICAMBI Ersatzteile Spare parts

	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PS... R/L... 12	UP 5112	HP 1111	SP 1111	RP 1111	MP 1111
PS... R/L... 15	UP 5421	HP 1221	SP 1221	RP 1221	MP 1221
PS... R/L... 19	UP 5321	HP 1321	SP 1321	RP 1321	MP 1321



Stelo in acciaio _ Stahlschaft _ Steelshank

PSSNR/L

	h1	h2	: (mm)		l2	f	◇	KG	STOCK	PRICELIST on
			b	l1						
PSSNR/L 2020 K12	20	20	20	125	29,4	25,3		0,420	--	●
PSSNR/L 2525 M12	25	25	25	150	29,3	32,3	SN... 1204...	0,740	--	●
PSSNR/L 2525 M15	25	25	25	150	32,5	32,3		0,740	--	○
PSSNR/L 3232 P15	32	32	32	170	32,5	40,3	SN... 1506...	1,300	--	○

RICAMBI Ersatzteile Spare parts

	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PS... R/L... 12	UP 5112	HP 1111	SP 1111	RP 1111	MP 1111
PS... R/L... 15	UP 5421	HP 1221	SP 1221	RP 1221	MP 1221

● Disponibile - Lieferbar - On stock

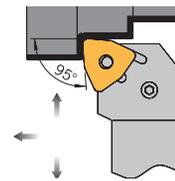
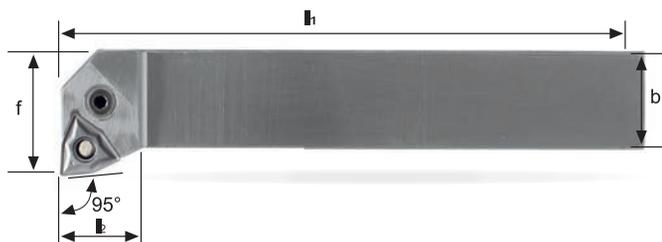
○ A richiesta - Auf Anfrage - On request

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UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



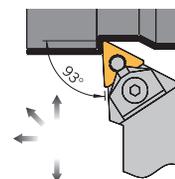
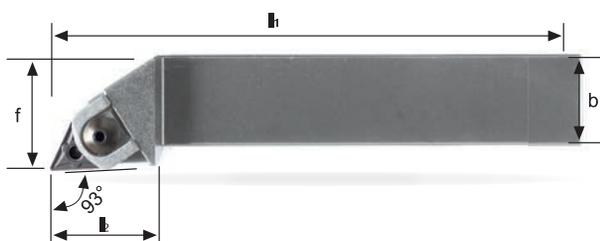
Stelo in acciaio _ Stahlschaft _ Steelshank

PWLNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
PWLNR/L 1616 H06	16	16	16	100	20	23			0,220	--	○	
PWLNR/L 2020 K06	20	20	20	125	22	25		WN... 0604...	0,420	--	○	
PWLNR/L 2020 K08	20	20	20	125	22	25		WN... 0804...	0,420	--	●	
PWLNR/L 2525 M06	25	25	25	150	22,4	32		WN... 0604...	0,740	--	○	
PWLNR/L 2525 M08	25	25	25	150	22,4	32		WN... 0804...	0,740	--	●	
PWLNR/L 3225 P08	32	32	25	170	22	32		WN... 0804...	1,300	--	●	

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PW... R/L... 06	UP 71111	HP 4751	SP 3111	RP 3112	MP 3111
PW... R/L... 08	UP 71011	HP 1111	SP 1111	RP 1111	MP 1111



Stelo in acciaio _ Stahlschaft _ Steelshank

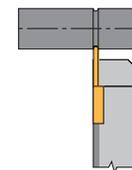
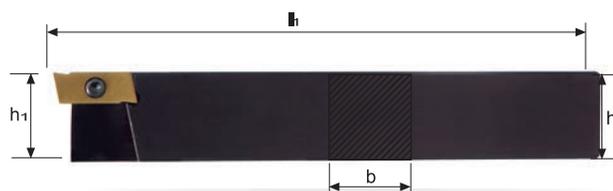
MTJNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
MTJNR/L 2020 K16	20	20	20	125	35	25			0,420	--	●	
								TN...1604...				
MTJNR/L 2525 M16	25	25	25	150	32	32			0,740	--	●	

**RICAMBI
Ersatzteile
Spare parts****Staffa
Klemme
Clamp****Perno
Keilstück
Wedge****Supporto
Unterlegplatte
Support pad****Grano
Gewindestift
Pin**

MT... R/L... 16	GS1	P1	E1	G1
------------------------	-----	----	----	----

UTENSILI PER TAGLIO E SCANALATURA ESTERNA AUSSENBEARBEITUNG RADIAL - STECHDREHEN _ EXTERNAL MACHINING GROOVING



Stelo in acciaio _ Stahlschaft _ Steelshank

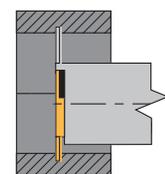
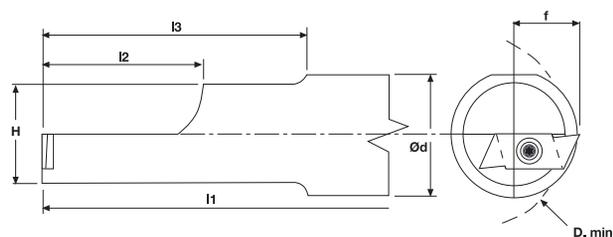
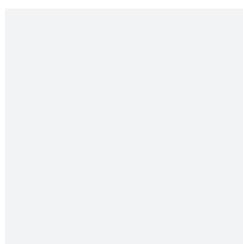
THE / THS

	h1	h	b	l1				KG	STOCK	PRICELIST on
THE-7-0808 R/L	08	08	08	100	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,040	--	○
THE-7-1010 R/L	10	10	10	120				0,060	--	○
THE-7-1212 R/L	12	12	12	120				0,090	--	○
THE-7-1616 R/L	16	16	16	120				0,220	--	○
THE-7-2020 R/L	20	20	20	120				0,420	--	○
THE-7-2525 R/L	25	25	25	120				0,740	--	○

Utensili per macchine svizzere _ Swiss machine tools

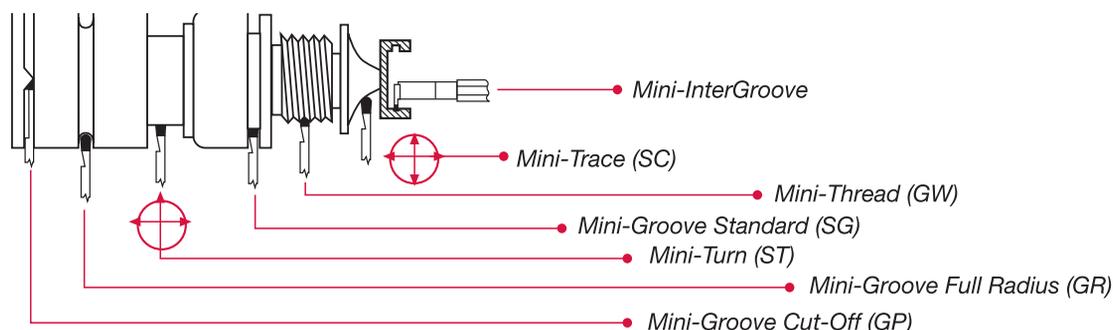
THS-7-0808 R/L	08	08	08	140	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,040	--	○
THS-7-1010 R/L	10	10	10	150				0,060	--	○

UTENSILI PER SCANALATURA INTERNA INNENBEARBEITUNG INNENSTECHDREHEN _ INTERNAL MACHINING INTERNAL GROOVING



THI

	ØD	Ød	f	H	l1	l2	l3				KG	STOCK	PRICELIST on
THI-7-20 R/L	38,1	20	13,34	195	140	25	50	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,220	--	○
THI-7-25 R/L	38,1	25	13,34	195	150	32	63				0,420	--	○
THI-7-32 R/L	38,1	32	13,34	195	150	32	63				0,740	--	○



NOTE: - per utensili destri (R) inserto sinistro (L) - per utensili sinistri (L) inserto destro (R)

NOTE: - for rechte Werkzeuge (R) linke W.P. (L) - for linke Werkzeuge (L) rechte W.P. (R)

NOTE: - right hand holders (R) Left hand inserts (L) - Left hand holders (L) right hand inserts (R)

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

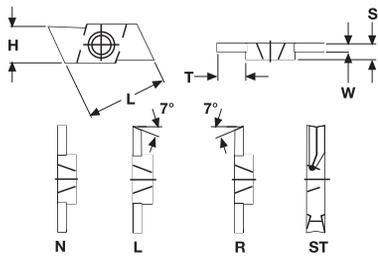
MOULDMILL

MICROTOOLS
AMS

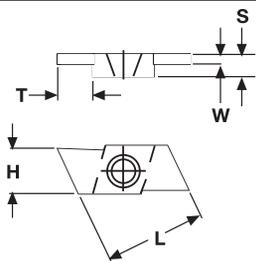
MINITOOLES

INSERTI _ WENDEPLATTEN _ INSERTS

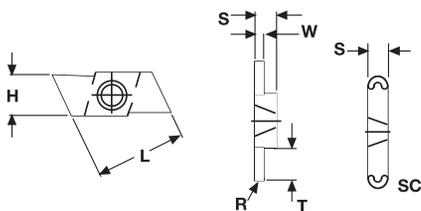
GIE

Inserti per scanalatura e taglio
Drehen und Stechen _ Grooving and Turning

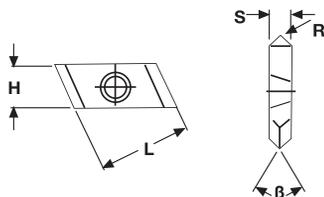
Art.	← (mm)						TIN	PRICELIST on
	W ^{+02 -0}	T	H	S	L			
GIE-7-GP-1,0 R/L N	1	6	7	2	17	○		
GIE-7-GP-1,0 R/L R/L	1	6	7	2	17	○		
GIE-7-GP-1,5 R/L N	1,5	6	7	2	17	○		
GIE-7-GP-1,5 R/L R/L	1,5	6	7	2	17	○		
GIE-7-GP-2 R/L N	2	6	7	2	17	○		
GIE-7-GP-2 R/L R/L	2	6	7	2	17	○		
GIE-7-ST-3,0 R/L	3,1	6	7	3,17	17	○		

Inserti per scanalatura per anelli
Stechen _ Grooving

Art.	← (mm)						TIN	PRICELIST on
	W ^{+02 -0}	T	H	S	L			
GIE-7-SG-0,5 R/L	0,5	2,54	7	2	17	○		
GIE-7-SG-0,7 R/L	0,7	2,54	7	2	17	○		
GIE-7-SG-0,8 R/L	0,8	2,54	7	2	17	○		
GIE-7-SG-0,9 R/L	0,9	2,54	7	2	17	○		
GIE-7-SG-1,1 R/L	1,1	6	7	2	17	○		
GIE-7-SG-1,3 R/L	1,3	6	7	2	17	○		
GIE-7-SG-1,6 R/L	1,6	6	7	2	17	○		
GIE-7-SG-1,85 R/L	1,85	6	7	2	17	○		

Inserti per scanalatura raggiata e profilatura
Vollradiusaustohrung _ Full radius execution

Art.	← (mm)						TIN	PRICELIST on
	W ^{+02 -0}	B	T	H	S	L		
GIE-7-GR-1 R/L	1	0,5	6	7	2	17	○	
GIE-7-GR-1,5 R/L	1,5	0,75	6	7	2	17	○	
GIE-7-GR-2 R/L	2	1	6	7	2	17	○	
GIE-7-SC-3 R/L	3,17	1,585	6	7	3,17	17	○	

Inserti per filettare
Gewindedrehen _ Threading

Art.	← (mm)						TIN	PRICELIST on
	B	R	H	S	L			
GIE-7-GW-60 R/L	60°	0,1	7	2	17	○		
GIE-7-GW-55 R/L	55°	0,12	7	2	17	○		

SET MINI GROOVE



STOCK

PRICELIST on

Art. SET 05-GIE

n° 1		THE-7-1212-R
n° 1		GIE-7-SG-0,9 L TIN
n° 1		GIE-7-SG-1,1 L TIN
n° 1		GIE-7-SG-1,3 L TIN
n° 1		GIE-7-SG-1,6 L TIN
n° 1		GIE-7-SG-1,85 L TIN

0,170 ○

(*) SG = scanalatura standard
standard Stechen
standard groovingGP = scanalatura e taglio
Drehen und Stechen
grooving and cutoffGR = scanalatura raggiata
Vollradiusaustohrung
grooving full radiusGW = filettatura
Gewindedrehen
threadingST = tornitura
Drehen
turningSC = profilatura
Kopierprofil
tracing



SET A - SLCR/L 06

N° 1 A 0608H SLCR/L 06
N° 1 A 0810J SLCR/L 06
N° 1 A 1012K SLCR/L 06
N° 1 A 1216M SLCR/L 06



SET A-SDUCR/L 07

N° 1 A 0810H SDUCR/L 07
N° 1 A 1012K SDUCR/L 07
N° 1 A 1216M SDUCR/L 07



SET A-SDQCR/L 07

N° 1 A 0810H SDQCR/L 07
N° 1 A 1012K SDQCR/L 07
N° 1 A 1216M SDQCR/L 07



SET A-SWUCR/L 02

N° 1 A 0508H SWUCR/L 02
N° 1 A 0608H SWUCR/L 02



SET AH - SLCR/L 06

N° 1 AH 0608H SLCR/L 06
N° 1 AH 0810J SLCR/L 06
N° 1 AH 1012K SLCR/L 06
N° 1 AH 1216M SLCR/L 06



SET AH-SDUCR/L 07

N° 1 AH 0810H SDUCR/L 07
N° 1 AH 1012K SDUCR/L 07
N° 1 AH 1216M SDUCR/L 07



SET E SV.CR/L 05 + 20 WP 05

N° 1 E08F SVLCR/L 05
N° 1 E08F SVXCR/L 05
N° 1 E08F SVVCR/L 05
N° 1 E08F SV95CR/L 05
N° 10 VCGT 050102 FN-ALU K15
N° 10 VCGT 050102 EN-PM1 K400



SET E SV.CR/L 07 + 20 WP VC07

N° 1 E10H SVLCR/L 07
N° 1 E10H SVXCR/L 07
N° 1 E10H SVVCR/L 07
N° 1 E10H SV95CR/L 07
N° 10 VCGT 070202FN-ALU K15
N° 10 VCMT 070202EN-PM1 K400



SET E SLCR/L 06

N° 1 E08K SLCR/L 06
N° 1 E10K SLCR/L 06
N° 1 E12M SLCR/L 06



SET E SDUCR/L 07

N° 1 E10K SDUCR/L 07
N° 1 E12M SDUCR/L 07



SET E SLCR/L 03

N° 1 E04G SLCR/L 03
N° 1 E05H SLCR/L 03
N° 1 E06J SLCR/L 03



SET E-SWUCR/L 02

N° 1 E 0508H SWUCR/L 02
N° 1 E 0608H SWUCR/L 02

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

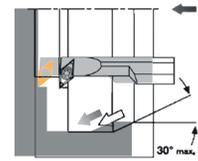
MILLING

MINIMILL

MOULDMILL

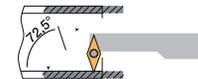
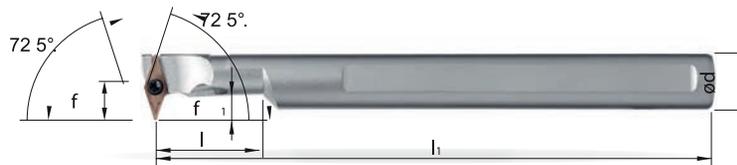
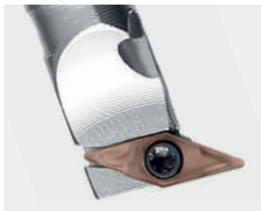
MICROTOOLS
AMS

MINITOLS



STEEL	A-SVLCR/L		↔ (mm)					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	A 08F SVLCR/L 05	8	80	15	5	3	9,2	VCMT VCGT 0702...	VT1604	BT05	0,040	Icon	Icon		
	A 10H SVLCR/L 07	10	100	22	7	5	12,5	VCMT VCGT 0702...	VT20	BT06	0,080	Icon	Icon		
	A 12K SVLCR/L 07	12	125	28	9	6	15,5				0,120	Icon	Icon		
	A 16M SVLCR/L 07	16	150	36	11	5	19,5				0,250	Icon	Icon		

CARBIDE	E-SVLCR/L		↔ (mm)					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	E 08F SVLCR/L 05	8	80	26	5	3	9,2	VCMT VCGT 0702...	VT1604	BT05	0,070	Icon	Icon		
	E 10H SVLCR/L 07	10	100	32	7	5	12,5	VCMT VCGT 0702...	VT20	BT06	0,170	Icon	Icon		
	E 12K SVLCR/L 07	12	125	40	9	6	15,5				0,300	Icon	Icon		
	E 16M SVLCR/L 07	16	150	55	11	5	19,5				0,500	Icon	Icon		



STEEL	A-SVCR/L		↔ (mm)					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	A 08F SVCR/L 05	8	80	15	5,5	3,5	10,2	VCMT VCGT 0702...	VT1604	BT05	0,040	Icon	Icon		
	A 10H SVCR/L 07	10	100	22	8	6	13,5	VCMT VCGT 0702...	VT20	BT06	0,080	Icon	Icon		
	A 12K SVCR/L 07	12	125	28	9	6	15,5				0,120	Icon	Icon		
	A 16M SVCR/L 07	16	150	36	11	6	19,5				0,250	Icon	Icon		
	A 16M SVCR/L 11	16	150	40	13,9	9,5	23	VCMT VCGT 1103...	VT25B	BT08	0,250	Icon	Icon		
	A 20Q SVCR/L 11	20	180	50	13,9	9,5	25	0,400			Icon	Icon			
	A 25R SVCR/L 16	25	200	62,5	19,9	13	34	VCMT VCGT 1604...	VT40B	BT15	0,690	Icon	Icon		

CARBIDE	E-SVCR/L		↔ (mm)					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l1	l2	f	f1										
	E 08F SVCR/L 05	8	80	26	5,5	3,5	10,2	VCMT VCGT 0702...	VT1604	BT05	0,070	Icon	Icon		
	E 10H SVCR/L 07	10	100	32	8	6	13,5	VCMT VCGT 0702...	VT20	BT06	0,170	Icon	Icon		
	E 12K SVCR/L 07	12	125	40	9	6	15,5				0,300	Icon	Icon		
	E 16M SVCR/L 07	16	150	55	11	6	19,5				0,500	Icon	Icon		

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24

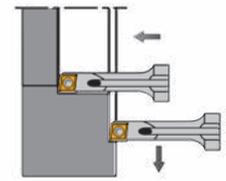


53

MINITOOLS

The background is a technical drawing on a dark blue background. It features various geometric shapes, lines, and dimensions. A prominent dimension is '45°' in the bottom left corner. Other dimensions include '1', '3.1', '14.45', '16.9', and 'ø6'. There are also several circular symbols with crosses inside, likely representing holes or specific features in a drawing.

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



STEEL	A-SCLCR/L		← (mm)				D _{min}	CCMT CCGT 0602...	VT25B	BT08	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	21,5	4,2	8				0,050	●		
	10	8	110	27	6	11				0,070	●		
	12	10	125	32,5	7	13				0,100	●		
	16	12	150	42	9	16				0,200	●		

HSS	AH-SCLCR/L		← (mm)				D _{min}	CCMT CCGT 0602...	VT25B	BT08	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	25	4	8,5				0,050	●		
	10	8	110	32	6	12				0,070	●		
	12	10	125	38	7	14				0,100	●		
	16	12	150	50	9	18				0,200	●		

STEEL	A-SCLDR/L		← (mm)				D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	4	100	16	2,4	4,8				0,030	●		
	8	5	100	20	2,9	5,8				0,040	●		
	8	6	100	24	3,4	6,8				0,050	●		

CARBIDE	E-SCLDR/L		← (mm)				D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	4	100	24	2,4	4,8				0,040	●		
	8	5	100	30	2,9	5,8				0,040	●		
	8	6	100	36	3,4	6,8				0,050	●		

STEEL	A-SCUPR/L		← (mm)				D _{min}	CPMT CPGT 05T1...	VT22B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	20	4,5	8				0,050	●		
	10	8	110	26	6	11				0,070	●		
	12	10	125	32	7	13				0,100	●		
	16	12	150	40	9	16				0,200	●		

CARBIDE	E-SCUPR/L		← (mm)				D _{min}	CPMT CPGT 05T1...	VT22B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	28	4,5	8				0,050	●		
	10	8	110	36	6	11				0,090	●		
	12	10	125	44	7	13				0,170	●		
	16	12	150	55	9	16				0,300	●		

STEEL	A-SCXPR/L		← (mm)				D _{min}	CPMT CPGT 05T1...	VT22B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	20	4,5	8,5				0,050	●		
	10	8	110	26	6	11				0,070	●		
	12	10	125	32	7	13				0,100	●		
	16	12	150	40	9	16				0,200	●		

CARBIDE	E-SCXPR/L		← (mm)				D _{min}	CPMT CPGT 05T1...	VT22B	BT06	KG	STOCK	PRICELIST on
	d	d1	l1	l2	f	D _{min}							
	8	6	100	28	4,5	8,5				0,050	●		
	10	8	110	36	6	11				0,090	●		
	12	10	125	44	7	13				0,170	●		
	16	12	150	55	9	16				0,300	●		

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

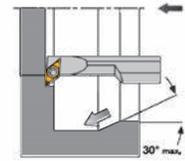
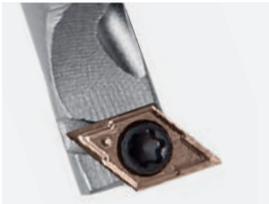
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

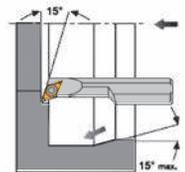
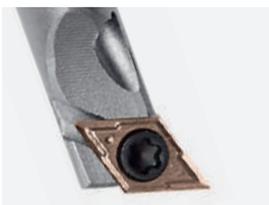
MINITOOLS



STEEL	A-SDUCR/L		i (mm)					DCGT 04T0...	VT1604	BT05	KG	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin							
	A 0408F SDUCR/L 04	8	80	15	3	1,5	5,6				0,030	●	●
	A 0810H SDUCR/L 07	10	100	22,5	6,5	4,4	12,5	DCMT			0,070	●	●
	A 1012K SDUCR/L 07	12	125	27,5	9	5,9	15,5	DCGT	VT25B	BT08	0,100	●	●
	A 1216M SDUCR/L 07	16	150	40,5	11	4,9	18	0702...			0,200	●	●

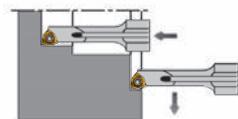
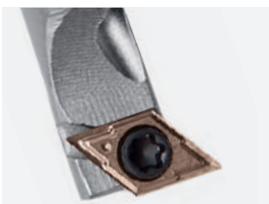
HSS	AH-SDUCR/L		i (mm)					DCMT	VT25B	BT08	KG	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin							
	AH 0810H SDUCR/L 07	10	100	22	7	5	12,5				0,070	●	●
	AH 1012K SDUCR/L 07	12	125	28	9	5	15,5	DCGT			0,100	●	●
	AH 1216M SDUCR/L 07	16	150	36	11	5	19,5	0702...			0,200	●	●

CARBIDE	E-SDUCR/L		i (mm)					DCGT 04T0...	VT1604	BT05	KG	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin							
	E 0408F SDUCR/L 04	8	80	26	3	1,5	5,6				0,042	●	●



STEEL	A-SDQCR/L		i (mm)					DCGT 04T0...	VT1604	BT05	KG	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin							
	A 0408F SDQCR/L 04	8	80	15	2,6	1,1	5,2				0,030	●	●
	A 0810H SDQCR/L 07	10	100	22,4	6,4	3	12,5	DCMT			0,070	●	●
	A 1012K SDQCR/L 07	12	125	27,5	9	4	15,5	DCGT	VT25B	BT08	0,100	●	●
	A 1216M SDQCR/L 07	16	150	39,5	11	5	19,5	0702...			0,200	●	●

CARBIDE	E-SDQCR/L		i (mm)					DCGT 04T0...	VT1604	BT05	KG	STOCK	PRICELIST on
	d	l1	l2	f	f1	Dmin							
	E 0408F SDQCR/L 04	8	80	26	2,6	1,1	5,2				0,042	●	●



STEEL	A-SWUCR/L		i (mm)				WCMT	VT20B	BT06	KG	STOCK	PRICELIST on	
	d	d1	l1	l2	f	Dmin							
	A 0508H SWUCR/L 02	8	5	100	18	2,9	5,8				0,040	●	●
	A 0608H SWUCR/L 02	8	6	100	24	3,9	7,8	WCGT 0201...			0,050	●	●

HSS	AH-SWUCR/L		i (mm)				WCMT	VT20B	BT06	KG	STOCK	PRICELIST on	
	d	d1	l1	l2	f	Dmin							
	AH 0508H SWUCR/L 02	8	5	100	18	2,9	5,8				0,040	●	●
	AH 0608H SWUCR/L 02	8	6	100	24	3,9	7,8	WCGT 0201...			0,050	●	●

CARBIDE	E-SWUCR/L		i (mm)				WCMT	VT20B	BT06	KG	STOCK	PRICELIST on	
	d	d1	l1	l2	f	Dmin							
	E 0508H SWUCR/L 02	8	5	100	24	2,9	5,8				0,040	●	●
	E 0608H SWUCR/L 02	8	6	100	32	3,9	7,8	WCGT 0201...			0,050	●	●

● Disponibile - Lieferbar - On stock

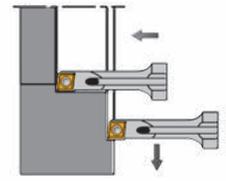
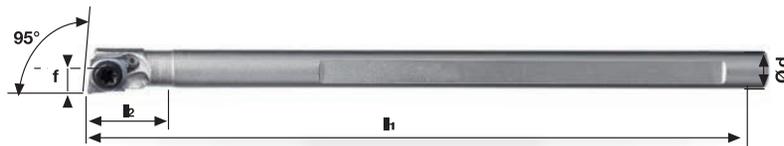
○ A richiesta - Auf Anfrage - On request

2023/24



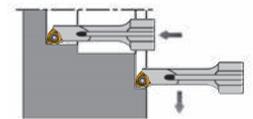
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BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

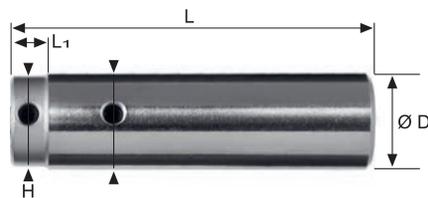


STEEL	A-SCLDR/L		: (mm)			D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f								
	A 04E SCLDR/L 04	4	70	-	2,4	4,8				0,030	●	
	A 05E SCLDR/L 04	5	70	-	2,9	5,8				0,040	●	
	A 06F SCLDR/L 04	6	80	-	3,4	6,8				0,050	●	

CARBIDE	E-SCLDR/L		: (mm)			D _{min}	CDGT 0401...	VT18B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f								
	E 04F SCLDR/L 04	4	80	-	2,4	4,8				0,030	●	
	E 05F SCLDR/L 04	5	80	-	2,9	5,8				0,040	●	
	E 06G SCLDR/L 04	6	95	-	3,4	6,8				0,050	●	

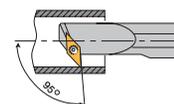
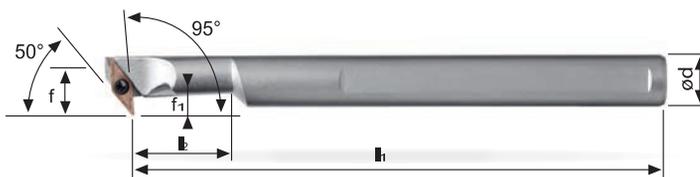


CARBIDE	E-SWUCR/L		: (mm)			D _{min}	WCMT WCGT 0201...	VT20B	BT06	KG	STOCK	PRICELIST on
	d	l1	l2	f								
	E 05F SWUCR/L 02	5	85	-	2,9	5,8				0,040	●	
	E 06G SWUCR/L 02	6	95	-	3,9	7,8				0,050	●	



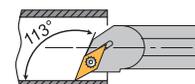
MINI COLLET		: (mm)			KG	STOCK	PRICELIST on
Ød	ØD	L	L1	H			
SC 04-16	4				0,010	--	●
SC 05-16	5	16	80	6	15	0,010	●
SC 06-16	6				0,010	--	●

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



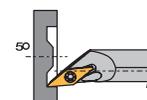
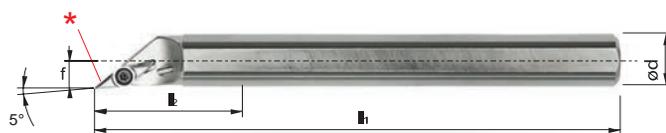
STEEL	A-SV95CR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	15	5	3	9,2	VCGT 0501...	VT1604	BT05	0,040		●	
	10	100	22	7	5	12,5	VCMT			0,080		●	
	12	125	28	9	6	15,5	VCGT	VT20	BT06	0,120		●	
	16	150	36	11	5	19,5	0702...			0,250		●	

CARBIDE	E-SV95CR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	26	5	3	9,2	VCGT 0501...	VT1604	BT05	0,070		●	
	10	100	32	7	5	12,5	VCMT			0,170		●	
	12	125	40	9	6	15,5	VCGT	VT20	BT06	0,300		●	
	16	150	55	11	8	19,5	0702...			0,500		●	



STEEL	A-SVXCR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	15	5	3	9,2	VCGT 0501...	VT1604	BT05	0,040		●	
	10	100	22	7	3	12,5	VCMT			0,080		●	
	12	125	28	9	3	15,5	VCGT	VT20	BT06	0,120		●	
	16	150	36	11	3	19,5	0702...			0,250		●	

CARBIDE	E-SVXCR/L												
	d	l1	l2	f	f1	D _{min}				KG		STOCK	PRICELIST on
	8	80	26	5	3	9,2	VCGT 0501...	VT1604	BT05	0,070		●	
	10	100	32	7	3	12,5	VCMT			0,170		●	
	12	125	40	9	3	15,5	VCGT	VT20	BT06	0,300		●	
	16	150	55	11	3	19,5	0702...			0,500		●	



STEEL	A-SVOCR/L											
	d	l1	l2	f	D _{min}				KG		STOCK	PRICELIST on
	8	80	15	3	8,0	VCGT 0501...	VT1604	BT05	0,040		●	
	10	100	22	5,5	13	VCMT			0,080		●	
	12	140	28	6,5	13	VCGT	VT20	BT06	0,140		●	
	16	150	36	9	22	VCMT			0,250		●	
	20	180	40	11	24	VCGT	VT25B	BT08	0,500		●	

CARBIDE	E-SVOCR/L											
	d	l1	l2	f	D _{min}				KG		STOCK	PRICELIST on
	8	80	26	3	8,0	VCGT 0501...	VT1604	BT05	0,050		●	
	10	100	32	5,5	11	VCMT			0,100		●	

* ATTENZIONE: non usare il tagliante secondario per la lavorazione!

ACHTUNG: Sekundärschneide nicht für Bearbeitung geeignet! _ CAUTION: Do not use secondary cutting edge for machining!

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

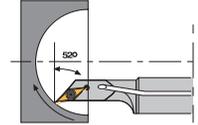
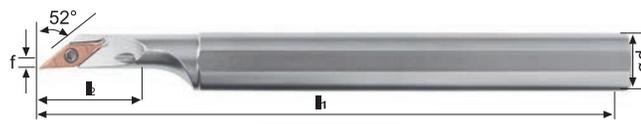
MILLING

MINIMILL

MOULDMILL

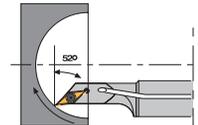
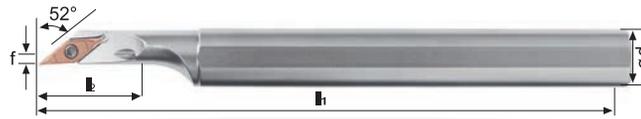
MICROTOOLS
AMS

MINITOOLS



	A-SVJBR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
STEEL	A 16M SVJBR/L 11	16	150	31,4	2	22	VBMT VBGT 1103...	VT25B	BT08	0,250	●	●	
	A 20Q SVJBR/L 11	20	180	38	2	24				0,500	●	●	
	A 25R SVJBR/L 16	25	200	44	4,6	28	VBMT VBGT 1604...	VT40B	BT15	0,700	●	●	

	E-SVJBR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
CARBIDE	E16R SVJBR/L 11	16	200	31,4	2	22	VBMT VBGT 1103...	VT25B	BT08	0,500	●	●	
	E20S SVJBR/L 11	20	250	38	2	24				1,000	●	●	
	E25S SVJBR/L 16	25	250	44	4,6	28	VBMT VBGT 1604...	VT40B	BT15	1,800	●	●	



	A-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
STEEL	A 08F SVJCR/L 05	8	80	15	3	8	VCGT 0501...	VT1604	BT05	0,040	●	●	
	A 10K SVJCR/L 07	10	125	18	1,5	13	VCMT VCGT 0702...	VT20	BT06	0,080	●	●	
	A 12L SVJCR/L 07	12	140	18	2	13				0,120	●	●	
	A 16M SVJCR/L 11	16	150	31,4	2	22	VCMT VCGT	VT25B	BT08	0,250	●	●	
	A 20Q SVJCR/L 11	20	180	38	2	24	1103...			0,500	●	●	
	A 25R SVJCR/L 16	25	200	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	0,700	●	●	

	AH-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
HSS	AH 16M SVJCR/L 11	16	150	30	4,6	22	VCMT VCGT 1103...	VT25B	BT08	0,250	●	●	
	AH 20Q SVJCR/L 11	20	180	38	4,6	25				0,500	●	●	
	AH 25R SVJCR/L 16	25	200	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	0,700	●	●	

	E-SVJCR/L					D _{min}	Icon	Icon	Icon	KG	Icon	STOCK	PRICELIST on
	d	l (mm)		f									
CARBIDE	E08F SVJCR/L 05	8	80	26	3	8	VCGT 0501...	VT1604	BT05	0,050	●	●	
	E10K SVJCR/L 07	10	125	18	1,5	13	VCMT VCGT 0702...	VT20	BT06	0,170	●	●	
	E12M SVJCR/L 07	12	150	18	2	13				0,300	●	●	
	E16R SVJCR/L 11	16	200	31,4	2	22	VCMT VCGT	VT25B	BT08	0,500	●	●	
	E20S SVJCR/L 11	20	250	38	2	24	1103...			1,000	●	●	
	E25S SVJCR/L 16	25	250	44	4,6	28	VCMT VCGT 1604...	VT40B	BT15	1,800	●	●	

● Disponibile - Lieferbar - On stock

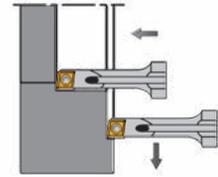
○ A richiesta - Auf Anfrage - On request

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BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



A-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l1	l2	f												
A 08H SCLCR/L 06	8	100	17,8	6	10							0,040		●	
A 10K SCLCR/L 06	10	125	17,7	7	12	CCMT CCGT 0602...	--	--	VT25B	BT08		0,080		●	
A 12L SCLCR/L 06	12	140	24,2	9	16							0,140		●	
A 16Q SCLCR/L 09	16	180	26,7	11	20	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,250		●	
A 20R SCLCR/L 09	20	200	36,7	13	25							0,500		●	
A 25R SCLCR/L 12	25	200	40	17	32		--	--	VT50	BT20		0,700		●	
A 32S SCLCR/L 12	32	250	30	22	40	CCMT CCGT 1204...	US1221	GBS1221	SS1221	BT15		1,400		●	
A 40T SCLCR/L 12	40	300	31,4	27	49							2,700		●	

AH-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l1	l2	f												
AH 0410H SCLCR/L 03	10	100	24	2,5	5	CCGT 0301...	--	--	VT16	BT06		0,030		●	
AH 0610H SCLCR/L 03	10	100	24	2,5	7							0,040		●	
AH 08K SCLCR/L 06	8	125	20	5	10	CCMT CCGT 0602...	--	--	VT25B	BT08		0,040		●	
AH 10K SCLCR/L 06	10	125	20	6	12							0,080		●	
AH 12M SCLCR/L 06	12	150	20	7	14							0,120		●	
AH 16Q SCLCR/L 09	16	180	27	9	18	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,250		●	
AH 20R SCLCR/L 09	20	200	27	11	23							0,500		●	
AH 25R SCLCR/L 12	25	200	40	15,5	28	CCMT CCGT 1204...	--	--	VT50	BT20		0,700		●	

E-SCLCR/L		← (mm)				D _{min}						KG		STOCK	PRICELIST on
d	l1	l2	f												
E 04G SCLCR/L 03	4	90	10	2,5	5				VT16			0,030		●	
E 05H SCLCR/L 03	5	100	10	3	6	CCGT 0301...	--	--	BFTX 01604N	BT06		0,040		●	
E 06J SCLCR/L 03	6	110	10	3,5	7							0,050		●	
E 08K SCLCR/L 06	8	125	10	5	10	CCMT CCGT 0602...	--	--	VT25B	BT08		0,090		●	
E 10K SCLCR/L 06	10	125	10	6	12							0,170		●	
E 12M SCLCR/L 06	12	150	10	8	14							0,300		●	
E 16R SCLCR/L 09	16	200	16	10	18	CCMT CCGT 09T3...	--	--	VT40B	BT15		0,500		●	
E 20S SCLCR/L 09	20	250	16	12	23							1,000		●	
E 25S SCLCR/L 12	25	250	16	15	30	CCMT CCGT 1204...	--	--	VT50	BT20		1,800		●	
E 32U SCLCR/L 12	32	350	26	22	39		US1221	GBS1221	SS1221	BT15		3,700		○	

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

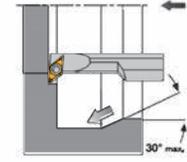
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS



	d (mm)					D _{min}						KG		STOCK	PRICELIST on
	d	l ₁	l ₂	f											
A-SDUCR/L															
STEEL															
A 10K SDUCR/L 07	10	125	15,6	7	13,5							0,080			
A 12L SDUCR/L 07	12	140	22,6	9	16	DCMT DCGT 0702...	--	--	VT25B	BT08		0,120			
A 16Q SDUCR/L 07	16	180	27	11	20							0,250			
A 20R SDUCR/L 11	20	200	33,8	13	25	DCMT DCGT 11T3...	--	--	VT40B	BT15		0,500			
A 25R SDUCR/L 11	25	200	35,8	17	32							0,700			
A 32S SDUCR/L 11	32	250	18,5	22	40	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT20		1,400			
A 40T SDUCR/L 11	40	300	18,5	27	49							2,700			

	d (mm)					D _{min}						KG		STOCK	PRICELIST on
	d	l ₁	l ₂	f											
AH-SDUCR/L															
HSS															
AH 08K SDUCR/L 07	8	125	20	7,5	12							0,040			
AH 10K SDUCR/L 07	10	125	20	9	14	DCMT DCGT 0702...	--	--	VT25B	BT08		0,080			
AH 12M SDUCR/L 07	12	150	25	8	16							0,120			
AH 16Q SDUCR/L 07	16	180	25	10	20							0,250			
AH 20R SDUCR/L 11	20	200	30	13	26	DCMT DCGT 11T3...	--	--	VT40B	BT15		0,500			
AH 25R SDUCR/L 11	25	200	40	16	32							0,700			

	d (mm)					D _{min}						KG		STOCK	PRICELIST on
	d	l ₁	l ₂	f											
E-SDUCR/L															
CARBIDE															
E 08K SDUCR/L 07	8	125	10	7,5	12,5							0,090			
E 10K SDUCR/L 07	10	125	10	7	12,5	DCMT DCGT 0702...	--	--	VT25B	BT08		0,170			
E 12M SDUCR/L 07	12	150	12,5	9	15							0,300			
E 16R SDUCR/L 07	16	200	16,5	11	19							0,500			
E 20S SDUCR/L 11	20	250	20,5	12,5	23,5	DCMT DCGT 11T3...	--	--	VT40B	BT15		1,000			
E 25S SDUCR/L 11	25	250	26	16	32							1,800			

● Disponibile - Lieferbar - On stock

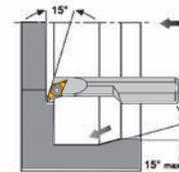
○ A richiesta - Auf Anfrage - On request

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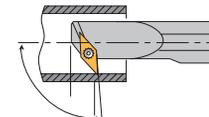
BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



STEEL	A-SDQCR/L													STOCK	PRICELIST on
	d	l1	l2	f	D _{min}										
A 10K SDQCR/L 07	10	125	16	7	14	DCMT DCGT 0702...	--	--	VT25B	BT08	0,080				
A 12L SDQCR/L 07	12	140	20	9	17		0,120								
A 16Q SDQCR/L 07	16	180	25	11	22		0,250								
A 20R SDQCR/L 11	20	200	32	13	26	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500				
A 25R SDQCR/L 11	25	200	40	17	31,5		0,700								
A 32S SDQCR/L 11	32	250	33,5	22	40	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	1,400				
A 40T SDQCR/L 11	40	300	50	27	49		2,700								

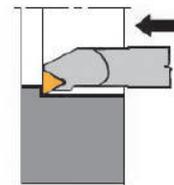
HSS	AH-SDQCR/L													STOCK	PRICELIST on
	d	l1	l2	f	D _{min}										
AH 08K SDQCR/L07	8	125	20	8	12	DCMT DCGT 0702...	--	--	VT25B	BT08	0,040				
AH 10K SDQCR/L07	10	125	20	7	13		0,080								
AH 12M SDQCR/L 07	12	150	20	8,5	16		0,120								
AH 16Q SDQCR/L 07	16	180	30	10	20		0,250								
AH 20R SDQCR/L 11	20	200	40	12,5	25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500				
AH 25R SDQCR/L 11	25	200	40	16	32		0,700								

CARBIDE	E-SDQCR/L													STOCK	PRICELIST on
	d	l1	l2	f	D _{min}										
E 08K SDQCR/L 07	8	125	10	7	12	DCMT DCGT 0702...	--	--	VT25B	BT08	0,090				
E 10K SDQCR/L 07	10	125	10	7	13		0,170								
E 12M SDQCR/L 07	12	150	12,5	8,5	16		0,300								
E 16R SDQCR/L 07	16	200	16,5	10	20		0,500								
E 20S SDQCR/L 11	20	250	13	12,5	25	DCMT DCGT 11T3...	--	--	VT40B	BT15	1,000				
E 25S SDQCR/L 11	25	250	17	16	32		1,800								



STEEL	A-SDXCR/L													STOCK	PRICELIST on
	d	l1	l2	f	f1	D _{min}									
A 08F SDXCR/L 04	8	80	15	5	3	9,20	DCGT 04T0...	--	--	VT1604	BT05	0,040			
A 10H SDXCR/L 04	10	100	22	7	5	12,50		0,060							
A 12L SDXCR/L 07	12	140	25	9	4,3	17	DCMT DCGT 0702...	--	--	VT25B	BT08	0,120			
A 16Q SDXCR/L 07	16	180	33	11	4,3	21		0,300							
A 20R SDXCR/L 11	20	200	40	13		25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,460			
A 25R SDXCR/L 11	25	200	50	17		31,5		0,740							

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



	↔ (mm)				D _{min}							KG		STOCK	PRICELIST on
	d	l1	l2	f											
A-STFCR/L															
A 10K STFCR/L 11	10	125	22,8	7	13							0,080			
A 12L STFCR/L 11	12	140	26,5	9	16	TCMT TCGT 1102...	--	--	VT25B	BT08		0,120			
A 16Q STFCR/L 11	16	180	26,7	11	20							0,250			
A 20R STFCR/L 16	20	200	36,6	13	25	TCMT TCGT 16T3...	--	--	VT40B	BT15		0,500			
A 25R STFCR/L 16	25	200	41	17	32							0,700			
A 32S STFCR/L 16	32	250	34,6	21,9	40	TCMT TCGT 16T3...	US5511	GBS1111	SS1111	BT15		1,400			
A 40T STFCR/L 16	40	300	37,5	27	49							2,700			

	↔ (mm)				D _{min}							KG		STOCK	PRICELIST on
	d	l1	l2	f											
AH-STFCR/L															
AH 10K STFCR/L 11	10	125	16	7	12							0,080			
AH 12M STFCR/L 11	12	150	20	9	14	TCMT TCGT 1102...	--	--	VT25B	BT08		0,120			
AH 16Q STFCR/L 11	16	180	25	11	18							0,250			
AH 20R STFCR/L 11	20	200	32	13	23							0,500			
AH 25R STFCR/L 16	25	200	40	17	28	TCMT TCGT 16T3...	--	--	VT40B	BT15		0,700			

	↔ (mm)				D _{min}							KG		STOCK	PRICELIST on
	d	l1	l2	f											
E-STFCR/L															
E 10K STFCR/L 11	10	125	16	6	12							0,170			
E 12M STFCR/L 11	12	150	20	8	15	TCMT TCGT 1102...	--	--	VT25B	BT08		0,300			
E 16R STFCR/L 11	16	200	25	10	19							0,500			
E 20S STFCR/L 16	20	250	32	12	24	TCMT TCGT 16T3...	--	--	VT40B	BT15		1,000			
E 25S STFCR/L 16	25	250	40	13,5	27							1,800			

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

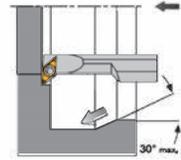
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



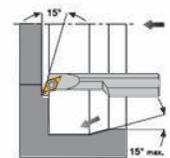
STEEL	A-SVUBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VBMT	VBGT	VT	BT						
A 16Q SVUBR/L 11	16	180	16,5	11	21	VBMT	--	--	VT25B	BT08	0,250	●	●		
A 20R SVUBR/L 11	20	200	20,5	13	24	VBMT	--	--	VT25B	BT08	0,500	●	●		
A 25R SVUBR/L 16	25	200	25,5	17	32	VBMT	--	--	VT40B	BT15	0,700	●	●		
A 32S SVUBR/L 16	32	250	33,5	22	40	VBGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
A 40T SVUBR/L 16	40	300	40	27	49	1604...					2,700	●	●		

CARBIDE	E-SVUBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VBMT	VBGT	VT	BT						
E 16R SVUBR/L 11	16	200	16,5	11	21	VBMT	--	--	VT25B	BT08	0,500	●	●		
E 20S SVUBR/L 11	20	250	20,5	13	25	VBGT	1103...				1,000	●	●		
E 25S SVUBR/L 11	25	250	23	17	31,5						1,800	●	●		

STEEL	A-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VCMT	VCGT	VT	BT						
A 16Q SVUCR/L 11	16	180	16,5	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
A 20R SVUCR/L 11	20	200	20,5	13	25	VCMT	--	--	VT25B	BT08	0,500	●	●		
A 25R SVUCR/L 16	25	200	25,5	17	32	VCMT	--	--	VT40B	BT15	0,700	●	●		
A 32S SVUCR/L 16	32	250	33,5	22	40	VCGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
A 40T SVUCR/L 16	40	300	40	27	49	1604...					2,700	●	●		

HSS	AH-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VCMT	VCGT	VT	BT						
AH 16Q SVUCR/L 11	16	180	20	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
AH 20R SVUCR/L 11	20	200	24	13	25	VCGT	1103...				0,500	●	●		
AH 25R SVUCR/L 16	25	200	25,5	17	31,5	VCMT	--	--	VT40B	BT15	0,700	●	●		

CARBIDE	E-SVUCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VCMT	VCGT	VT	BT						
E 16R SVUCR/L 11	16	200	16,5	11	21	VCMT	--	--	VT25B	BT08	0,500	●	●		
E 20S SVUCR/L 11	20	250	20,5	13	25	VCGT	1103...				1,000	●	●		
E 25S SVUCR/L 11	25	250	23	17	31,5						1,800	●	●		



STEEL	A-SVQBR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VBMT	VBGT	VT	BT						
A 16Q SVQBR/L 11	16	180	16,5	11	21	VBMT	--	--	VT25B	BT08	0,080	●	●		
A 20R SVQBR/L 11	20	200	20,5	13	25	VBGT	1103...				0,120	●	●		
A 25R SVQBR/L16	25	200	40	17	32	VBMT	--	--	VT40B	BT15	0,250	●	●		

STEEL	A-SVQCR/L		Dimensions (mm)					Material & Coatings				Weight (KG)	Coolant	STOCK	PRICELIST on
	d	l1	l2	f	D _{min}	VCMT	VCGT	VT	BT						
A 16Q SVQCR/L 11	16	180	16,5	11	21	VCMT	--	--	VT25B	BT08	0,250	●	●		
A 20R SVQCR/L 11	20	200	26,1	13	24	VCGT	1103...				0,500	●	●		
A 25R SVQCR/L 16	25	200	43	17	31,5	VCMT	--	--	VT40B	BT15	0,700	●	●		
A 32S SVQCR/L 16	32	250	33,5	22	40	VCGT	US6522	GBS1111	SS1111	BT15	1,400	●	●		
A 40T SVQCR/L 16	40	300	40	27	49	1604...					2,700	●	●		

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

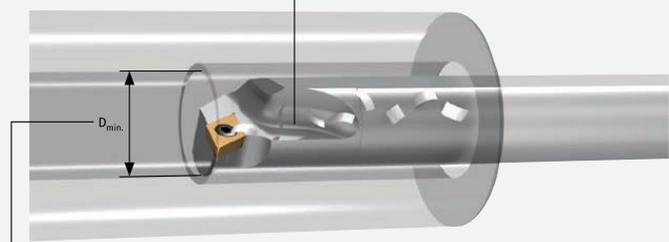
Specialmente con diametri di lavorazione di piccole dimensioni, i barenì N-PREMIUM impediscono l'accumulo di trucioli nel pezzo.

Speziell bei kleinen Bearbeitungsdurchmessern, verhindern N-PREMIUM Bohrstanzen einen Späneaufbau im Werkstück.

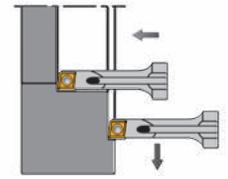
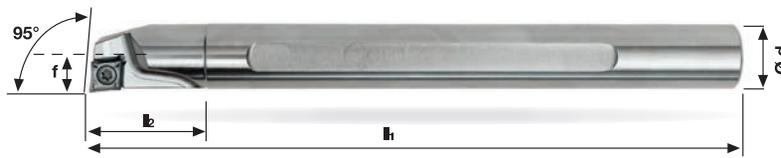
Especially with small machining diameters, N-PREMIUM boring bars prevent chips jamming in the workpiece.

Asportazione sicura dei trucioli mediante scanalature a spirale. Gesicherte Spanabfuhr durch spiralisierten Spanraum.

Reliable chip evacuation due to spiral flutes.



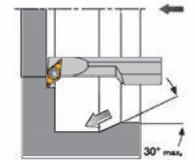
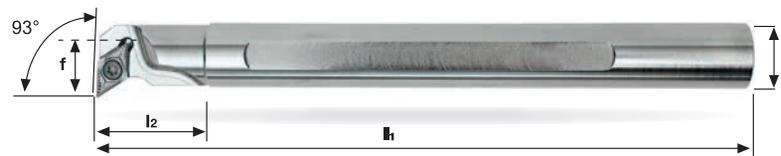
Ottimizzato per il minimo diametro del preforo. Optimiert für kleinste Mindestvorbohrdurchmesser. Optimised for the smallest minimum pre-drill diameter.



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM A-SCLCR/L

	d	l1	l2	f	D _{min}									PRICELIST on
A08H SCLCR/L 06 N-PREMIUM	8	100	20	5	10						0,040			
A10K SCLCR/L 06 N-PREMIUM	10	125	20	6	12	CCMT			VT25B	BT08	0,080			
A12L SCLCR/L 06 N-PREMIUM	12	140	24,2	7	14						0,140			
A16Q SCLCR/L 09 N-PREMIUM	16	180	31	9	18						0,250			
A20R SCLCR/L 09 N-PREMIUM	20	200	36	11	22	CCMT			VT40B	BT15	0,500			
A25R SCLCR/L 09 N-PREMIUM	25	200	43	13,5	27	CCGT					0,700			
A25R SCLCR/L 12 N-PREMIUM	25	200	43	13,5	27	CCMT			VT50	BT20	0,700			



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM A-SDUCR/L

	d	l1	l2	f	D _{min}									PRICELIST on
A10K SDUCR/L 07 N-PREMIUM	10	125	20	7	13						0,080			
A12L SDUCR/L 07 N-PREMIUM	12	140	25	8	15	DCMT			VT25B	BT08	0,120			
A16Q SDUCR/L 07 N-PREMIUM	16	180	28	10	19						0,250			
A16Q SDUCR/L 11 N-PREMIUM	16	180	28	14	23						0,250			
A20R SDUCR/L 11 N-PREMIUM	20	200	36	13	25	DCMT			VT40B	BT15	0,500			
A25R SDUCR/L 11 N-PREMIUM	25	200	40	16	31						0,700			

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

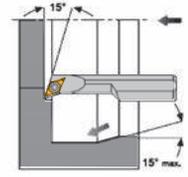
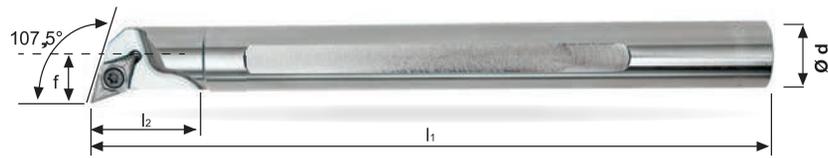
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

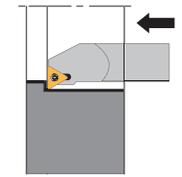


Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-SDQCR/L

	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A10K SDQCR/L 07 N-PREMIUM	10	125	20	7	13						0,080	●	●	
A12L SDQCR/L 07 N-PREMIUM	12	140	25	8	15	DCMT DCGT 0702...	--	--	VT25B	BT08	0,120	●	●	
A16Q SDQCR/L 07 N-PREMIUM	16	180	28	10	19						0,250	●	●	
A16Q SDQCR/L 11 N-PREMIUM	16	180	28	14	23						0,250	●	●	
A20R SDQCR/L 11 N-PREMIUM	20	200	36	13	25	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,500	●	●	
A25R SDQCR/L 11 N-PREMIUM	25	200	40	16	31						0,700	●	●	

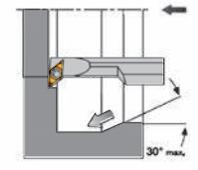
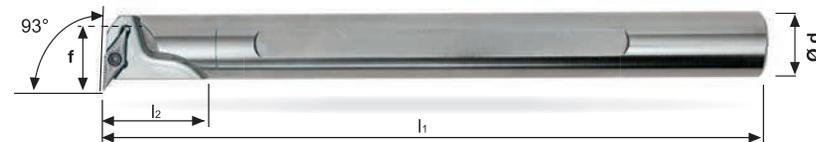


Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-STFCR/L

	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A10K STFCR/L 11 N-PREMIUM	10	125	22	6	12						0,080	●	●	
A12L STFCR/L 11 N-PREMIUM	12	140	24,3	7	14	TCMT TCGT 1102...	--	--	VT25B	BT08	0,120	●	●	
A16Q STFCR/L 11 N-PREMIUM	16	180	31	9	18						0,250	●	●	
A20R STFCR/L 11 N-PREMIUM	20	200	36	11	22						0,500	●	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

N-PREMIUM

A-SVUBR/L

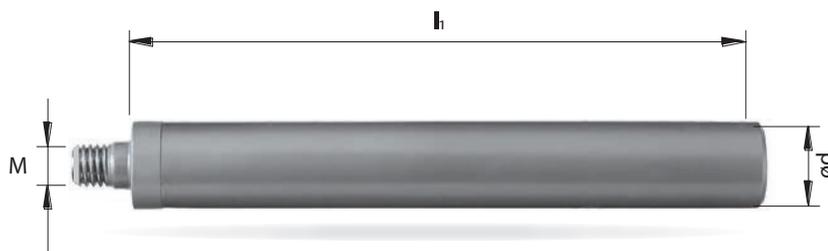
	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A16Q SVUBR/L 11 N-PREMIUM	16	180	31	11	20	VBMT VBGT 1103...	--	--	VT25B	BT08	0,250	●	●	
A20R SVUBR/L 11 N-PREMIUM	20	200	36	13	24						0,500	●	●	
A25R SVUBR/L 16 N-PREMIUM	25	200	40	17	31	VBMT VBGT 1604...	--	--	VT40B	BT15	0,700	●	●	

N-PREMIUM

A-SVUCR/L

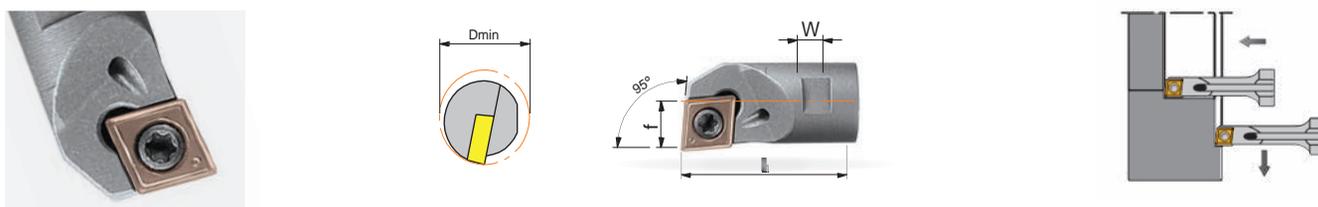
	d	l1	l2	f	D _{min}						KG		STOCK	PRICELIST on
A16Q SVUCR/L 11 N-PREMIUM	16	180	31	11	20	VCMT VCGT 1103...	--	--	VT25B	BT08	0,250	●	●	
A20R SVUCR/L 11 N-PREMIUM	20	200	36	13	24						0,500	●	●	
A25R SVUCR/L 16 N-PREMIUM	25	200	40	17	31	VCMT VCGT 1604...	--	--	VT40B	BT15	0,700	●	●	

GAMBI IN METALLO DURO INTEGRALE _ VHM SCHAFTEN _ SOLID CARBIDE SHANKS

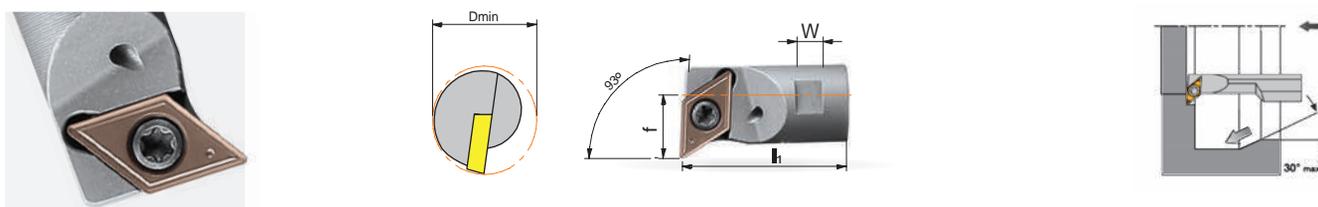


E..K	d	l1 (mm)	M	KG	STOCK	PRICELIST on
E08K M4 R	8	112	M4	0,070	●	
E10K M5 R	10	112	M5	0,110	●	
E12M M6 R	12	137	M6	0,180	●	
E16R M8 R	16	177	M8	0,500	●	

TESTINA FILETTATA _ KÖPFE MIT GEWINDE _ HEADS WITH THREAD CONNECTION



A-SLCR	d	l1 (mm)	f	W	Dmin	CCMT CCGT 0602...	VT25B	BT08	CBH 0816	KG	STOCK	PRICELIST on
A 08 SLCR 06	8	21	5	3,5	10					0,008	●	
A 10 SLCR 06	10	22	6	3,5	12					0,010	●	
A 12 SLCR 06	12	23	7	3,5	16					0,014	●	
A 16 SLCR 09	16	26	9	3,5	20	CCMT CCGT 09T3...	VT40B	BT15		0,030	●	



A-SDUCR	d	l1 (mm)	f	W	Dmin	DCMT DCGT 0702...	VT25B	BT08	CBH 0816	KG	STOCK	PRICELIST on
A 08 SDUCR 07	8	21	9	3,5	13					0,008	●	
A 10 SDUCR 07	10	22	9	3,5	14					0,010	●	
A 12 SDUCR 07	12	23	10	3,5	16					0,014	●	
A 16 SDUCR 07	16	26	11,3	3,5	20					0,030	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

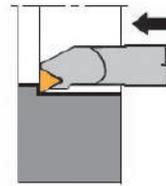
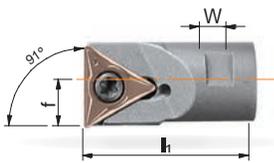
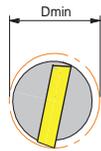
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITools

TESTINA FILETTATA _ KÖPFE MIT GEWINDE _ HEADS WITH THREAD CONNECTION



A-STFCR		d	l1	f	W	Dmin						STOCK	PRICELIST on
STEEL	A 08 STFCR 08	8	21	5	3,5	10	TCMT 0802...	VT20	BT06		0,008	●	
	A 10 STFCR 11	10	22	6	3,5	12	TCMT TCGT 1102...	VT25B	BT08	CBH 0816	0,010	●	
	A 12 STFCR 11	12	23	7	3,5	14					0,014	●	
	A 16 STFCR 11	16	26	9	3,5	18				0,030	●		



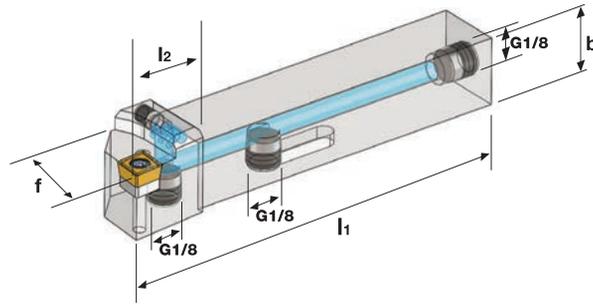
**SET BARENO MD + TESTINE
VHM SCHAFT + EINSCHRAUBEN-KÖPFEN SATZ
CARBIDE SHANK + HEADS WITH THREAD CONNECTION SET**

**PROFI-BOX
SC06.SD07.ST08**

STOCK

SET E08K-R SC06.SD07.ST08	n° 1	E08K M4 R		
	n° 1	A08 SCLCR 06	●	SPECIAL NET PRICE PROMO
	n° 1	A08 SDUCR 07	●	
SET E10K-R SC06.SD07.ST11	n° 1	A08 STFCR 08		
	n° 1	E10K M5 R		
	n° 1	A10 SCLCR 06	●	SPECIAL NET PRICE PROMO
SET E12M-R SC06.SD07.ST11	n° 1	A10 SDUCR 07	●	
	n° 1	A10 STFCR 11		
	n° 1	E12M M6 R		
	n° 1	A12 SCLCR 06	●	SPECIAL NET PRICE PROMO
	n° 1	A12 SDUCR 07	●	
	n° 1	A12 STFCR 11		

UTENSILI PER TORNITURA ESTERNA
KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS
 Con lubrificazione _ Mit Innenkühlung _ With coolant

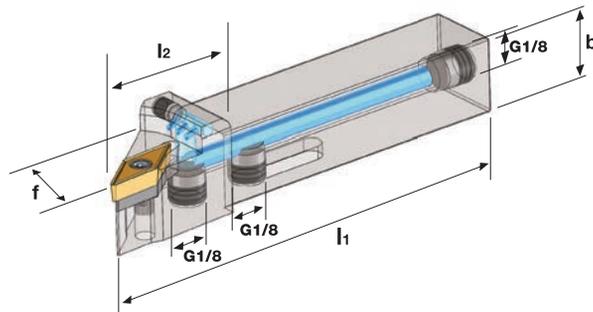
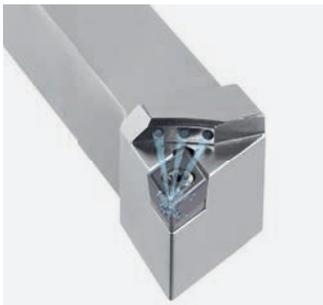


Stelo in acciaio _ Stahlschaft _ Steelshank

SCLCR/L

h1 h2 b l1 l2 f STOCK PRICELIST on

SCLCR/L 1616 H09 – IK G1/8	16	16	16	100	17	20	CCMT CCGT 09T3...	US1111	GBS1111	SS1111	BT15	0,235		
SCLCR/L 2020 K09 – IK G1/8	20	20	20	125	17	25						0,420		
SCLCR/L 2525 M12 – IK G1/8	25	25	25	150	20	32	CCMT CCGT 1204...	US1221	GBS1221	SS1221	BT15	0,770		



Stelo in acciaio _ Stahlschaft _ Steelshank

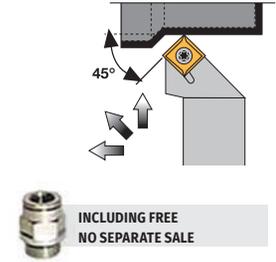
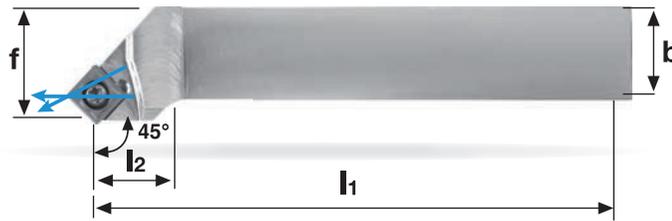
SDJCR/L

h1 h2 b l1 l2 f STOCK PRICELIST on

SDJCR/L 1616 H11 – IK G1/8	16	16	16	100	20	20						0,230		
SDJCR/L 2020 K11 – IK G1/8	20	20	20	125	24	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,408		
SDJCR/L 2525 M11 – IK G1/8	25	25	25	150	27	32						0,735		

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

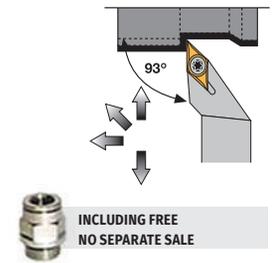
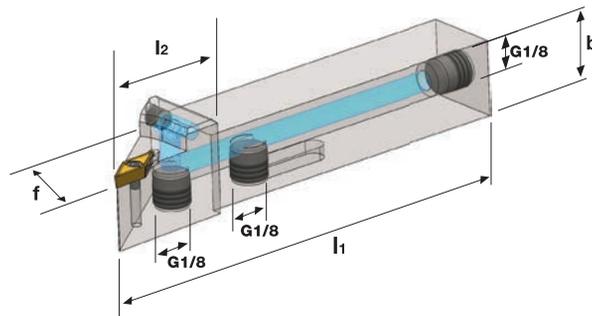
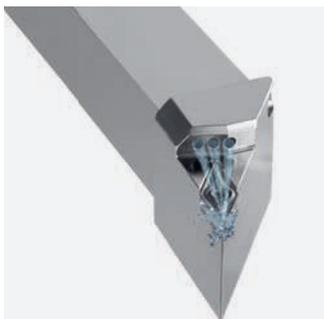
Con lubrificazione _ Mit Innenkühlung _ With coolant



Stelo in acciaio _ Stahlschaft _ Steelshank

SSSCR/L

	h1	h2	b	l1	l2	f	SCMT	SCGT	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
SSSCR/L 1616 H09 - IK G1/8	16	16	16	100	20	20	SCMT	SCGT	US4111	GBS1111	SS1111	BT15	0,235	●	●
SSSCR/L 2020 K09 - IK G1/8	20	20	20	125	20	25	SCMT	SCGT	US4221	GBS1221	SS1221	BT15	0,420	●	●
SSSCR/L 2525 M12 - IK G1/8	25	25	25	150	25	32	SCMT	SCGT	US4221	GBS1221	SS1221	BT15	0,770	●	●

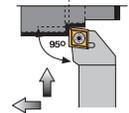
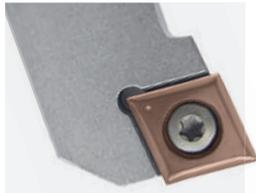


Stelo in acciaio _ Stahlschaft _ Steelshank

SVJCR/L

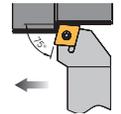
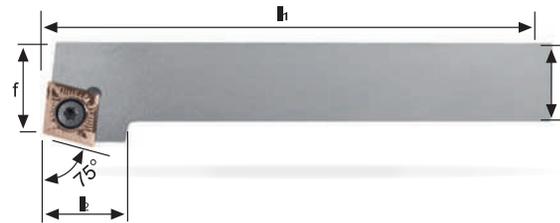
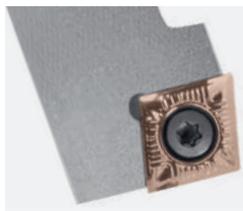
	h1	h2	b	l1	l2	f	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
SVJCR/L 1616 H11 - IK G1/8	16	16	16	100	21,5	20	VCMT	VCGT	--	--	SS1751	BT08	0,203	●	●
SVJCR/L 2020 K11 - IK G1/8	20	20	20	125	23	25	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,373	●	●
SVJCR/L 2020 K16 - IK G1/8	20	20	20	125	29,5	25	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,380	●	●
SVJCR/L 2525 M16 - IK G1/8	25	25	25	150	32,5	32	VCMT	VCGT	US6522	GBS1111	SS1111	BT15	0,677	●	●

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



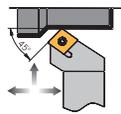
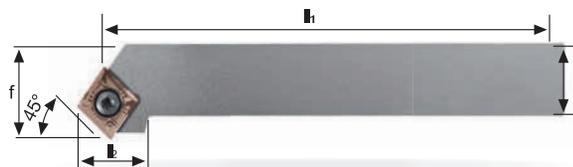
Stelo in acciaio _ Stahlschaft _ Steelshank

SCLCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on		
SCLCR/L 0808 D06	8	8	8	60	9	10	CCMT	CCGT	SS1751	BT08	0,040	--	●		
SCLCR/L 1010 E06	10	10	10	70	10	12	CCMT	CCGT	SS1751	BT08	0,060	--	●		
SCLCR/L 1212 F09	12	12	12	80	17	16	CCMT	CCGT	SS1751	BT08	0,090	--	●		
SCLCR/L 1616 H09	16	16	16	100	17	20	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	--	●
SCLCR/L 2020 K09	20	20	20	125	18	25	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,420	--	●
SCLCR/L 2525 M09	25	25	25	150	19	32	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,740	--	●
SCLCR/L 1616 H12	16	16	16	100	20	20	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,220	--	●
SCLCR/L 2020 K12	20	20	20	125	20	25	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	--	●
SCLCR/L 2525 M12	25	25	25	150	20	32	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SCRCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on		
SCRCR/L 0808 D06	8	8	8	60	14	9	CCMT	CCGT	SS1751	BT08	0,040	--	●		
SCRCR/L 1010 E06	10	10	10	70	14	11	CCMT	CCGT	SS1751	BT08	0,060	--	●		
SCRCR/L 1212 F09	12	12	12	80	20	13	CCMT	CCGT	SS1751	BT08	0,090	--	●		
SCRCR/L 1616 H09	16	16	16	100	20	17	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	--	●
SCRCR/L 2020 K09	20	20	20	125	21	22	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,420	--	●
SCRCR/L 1616 H12	16	16	16	100	24	17	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	--	●
SCRCR/L 2020 K12	20	20	20	125	24	22	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	--	●
SCRCR/L 2525 M12	25	25	25	150	24	27	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SCSCR/L	h1	h2	b	l1	l2	f					KG	STOCK	PRICELIST on		
SCSCR/L 0808 D06	8	8	8	60	12	10	CCMT	CCGT	SS1751	BT08	0,040	--	●		
SCSCR/L 1010 E06	10	10	10	70	12	12	CCMT	CCGT	SS1751	BT08	0,060	--	●		
SCSCR/L 1212 F09	12	12	12	80	19	16	CCMT	CCGT	SS1751	BT08	0,090	--	●		
SCSCR/L 1616 H09	16	16	16	100	20	20	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	--	●
SCSCR/L 2020 K09	20	20	20	125	22	25	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,420	--	●
SCSCR/L 1616 H12	16	16	16	100	22	20	CCMT	CCGT	US1111	GBS1111	SS1111	BT15	0,220	--	●
SCSCR/L 2020 K12	20	20	20	125	24	25	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,420	--	●
SCSCR/L 2525 M12	25	25	25	150	27	32	CCMT	CCGT	US1221	GBS1221	SS1221	BT15	0,740	--	●

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

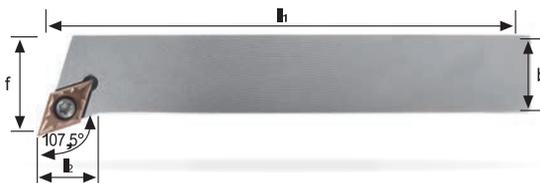
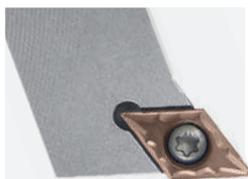
MINIMILL

MOULDMILL

MICROTOOLS
AMS

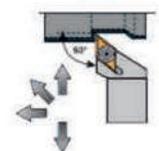
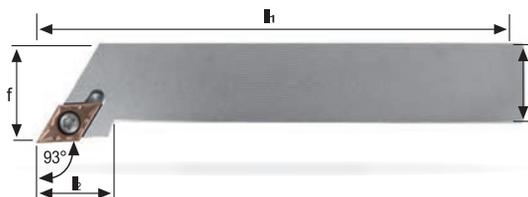
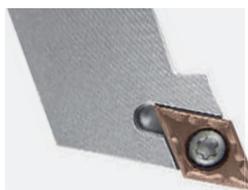
MINITOLS

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



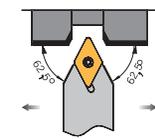
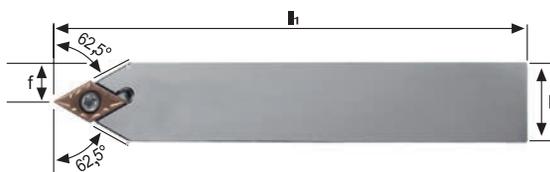
Stelo in acciaio _ Stahlschaft _ Steelshank

SDHCR/L	↔ (mm)																	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f													
SDHCR/L 1010 E07	10	10	10	70	7,2	12	DCMT DCGT 0702...	--	--	SS1751	BT08	0,060	--	●					
SDHCR/L 1212 F07	12	12	12	80	12	16						0,090	--	●					
SDHCR/L 1616 H11	16	16	16	100	11,6	20						0,220	--	●					
SDHCR/L 2020 K11	20	20	20	125	14,7	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●					
SDHCR/L 2525 M11	25	25	25	150	21	32						0,740	--	●					



Stelo in acciaio _ Stahlschaft _ Steelshank

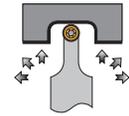
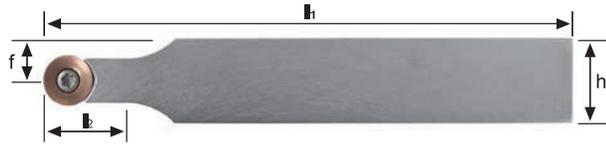
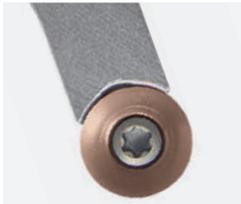
SDJCR/L	↔ (mm)																	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f													
SDJCR/L 0808 D07	8	8	8	60	12,8	10						0,040	--	●					
SDJCR/L 1010 E07	10	10	10	70	12,8	12						0,060	--	●					
SDJCR/L 1212 F07	12	12	12	80	17	16	DCMT DCGT 0702...	--	--	SS1751	BT08	0,090	--	●					
SDJCR/L 1616 H07	16	16	16	100	22	20						0,210	--	●					
SDJCR/L 2020 K07	20	20	20	125	24	25						0,400	--	●					
SDJCR/L 1616 H11	16	16	16	100	20	20						0,220	--	●					
SDJCR/L 2020 K11	20	20	20	125	24	25	DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●					
SDJCR/L 2525 M11	25	25	25	150	27	32						0,740	--	●					



Stelo in acciaio _ Stahlschaft _ Steelshank

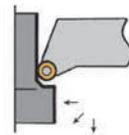
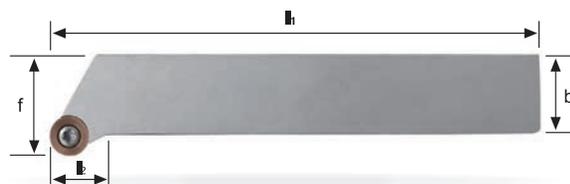
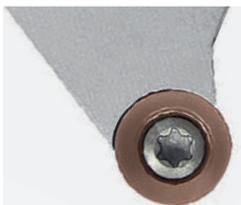
SDNCN	↔ (mm)																STOCK	PRICELIST on	
	h1	h2	b	l1	f														
SDNCN 0808 D07	8	8	8	60	4							0,040	--	●					
SDNCN 1010 E07	10	10	10	70	5							0,060	--	●					
SDNCN 1212 F07	12	12	12	80	6							0,090	--	●					
SDNCN 1616 H11	16	16	16	100	8							0,220	--	●					
SDNCN 2020 K11	20	20	20	125	10		DCMT DCGT 11T3...	US2311	GBS1111	SS1111	BT15	0,420	--	●					
SDNCN 2525 M11	25	25	25	150	12,5							0,740	--	●					

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

SRDCN	↔ (mm)					RCMT RCGT 0602...	RCMT RCGT 0803...	RCMT RCGT 1003...	RCMT RCGT 1204...	US3431	GBS1111	SS1751	SS8831	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	l1	l2	f														
SRDCN 1212 F06	12	12	80	12,4	6												0,090	--	●
SRDCN 1616 H06	16	16	100	12,4	8							SS1751			BT08		0,220	--	●
SRDCN 2020 K06	20	20	125	12,4	10												0,420	--	●
SRDCN 2525 M06	25	25	150	12,4	12,5												0,740	--	●
SRDCN 1616 H08	16	16	100	16,4	8												0,220	--	●
SRDCN 2020 K08	20	20	125	16,4	10							SS8831			BT08		0,420	--	●
SRDCN 2525 M08	25	25	150	16,4	12,5												0,740	--	●
SRDCN 1616 H10	16	16	100	20,3	8												0,220	--	●
SRDCN 2020 K10	20	20	125	20,3	10					US3431	GBS1111	SS1111			BT15		0,420	--	●
SRDCN 2525 M10	25	25	150	20,3	12,5												0,740	--	●
SRDCN 2020 K12	20	20	125	20,3	10												0,420	--	●
SRDCN 2525 M12	25	25	150	20,3	12,5												0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SRGCR/L	↔ (mm)						RCMT RCGT 0602...	RCMT RCGT 0803...	RCMT RCGT 1003...	US3431	GBS1111	SS1751	SS8831	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f													
SRGCR/L 1212 F06	12	12	12	80	13,8	16											0,090	--	●
SRGCR/L 1616 H06	16	16	16	100	13,8	20						SS1751			BT08		0,220	--	●
SRGCR/L 2020 K06	20	20	20	125	15,3	25											0,420	--	●
SRGCR/L 2525 M06	25	25	25	150	18,8	32											0,740	--	●
SRGCR/L 1616 H08	16	16	16	100	14,7	20											0,220	--	●
SRGCR/L 2020 K08	20	20	20	125	16,4	25						SS8831			BT08		0,420	--	●
SRGCR/L 2525 M08	25	25	25	150	19,8	32											0,740	--	●
SRGCR/L 1616 H10	16	16	16	100	15,5	20											0,220	--	●
SRGCR/L 2020 K10	20	20	20	125	17,2	25				US3431	GBS1111	SS1111			BT15		0,420	--	●
SRGCR/L 2525 M10	25	25	25	150	20,7	32											0,740	--	●

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

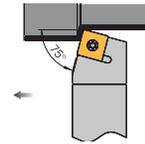
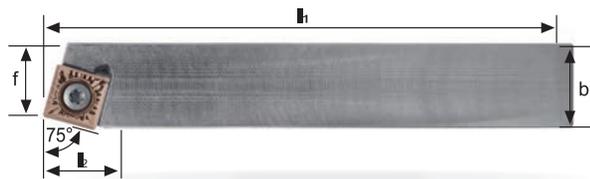
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MOULDMILL

MICROTOOLS
AMS

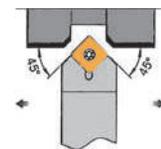
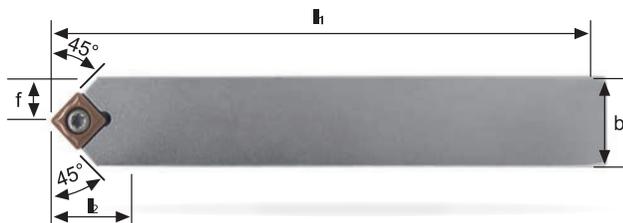
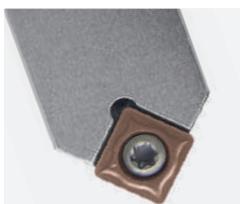
MINITOLS

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



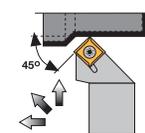
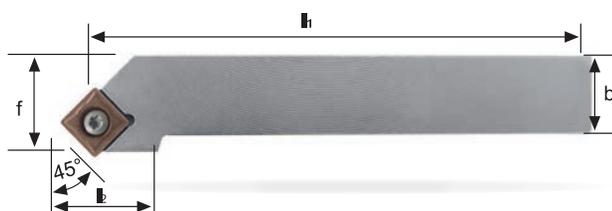
Stelo in acciaio _ Stahlschaft _ Steelshank

SSBCR/L	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSBCR/L 1616 H09	16	16	16	100	20	13	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,220	--	●
SSBCR/L 2020 K12	20	20	20	125	20	17						0,420	--	●
SSBCR/L 2525 M12	25	25	25	150	20	22						0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

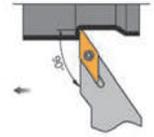
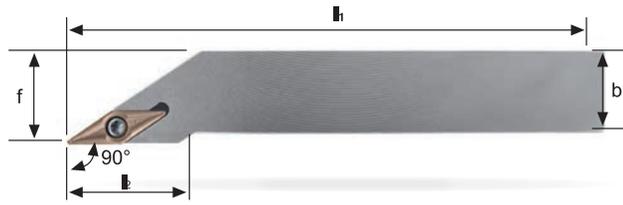
SSDCN	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSDCN 1212 F09	12	12	12	80	16	6	SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	0,090	--	●
SSDCN 1616 H09	16	16	16	100	20	8						0,220	--	●
SSDCN 2020 K09	20	20	20	125	20	10	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,420	--	●
SSDCN 1616 H12	16	16	16	100	25	8						0,220	--	●
SSDCN 2020 K12	20	20	20	125	25	10						0,420	--	●
SSDCN 2525 M12	25	25	25	150	25	12,5						0,740	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

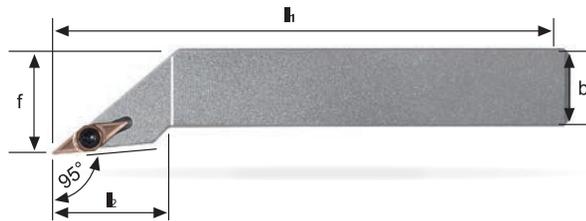
SSSCR/L	: (mm)						SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f								
SSSCR/L 0808 D09	8	8	8	60	21	13	SCMT SCGT 09T3..	US4111	GBS1111	SS1111	BT15	0,040	--	●
SSSCR/L 1010 E09	10	10	10	70	21	14						0,060	--	●
SSSCR/L 1212 F09	12	12	12	80	17	16	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,090	--	●
SSSCR/L 1616 H09	16	16	16	100	20	20						0,220	--	●
SSSCR/L 2020 K09	20	20	20	125	20	25						0,420	--	●
SSSCR/L 1616 H12	16	16	16	100	18	20	SCMT SCGT 1204..	US4221	GBS1221	SS1221	BT15	0,220	--	●
SSSCR/L 2020 K12	20	20	20	125	26,7	25						0,420	--	●
SSSCR/L 2525 M12	25	25	25	150	25	32						0,740	--	●

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



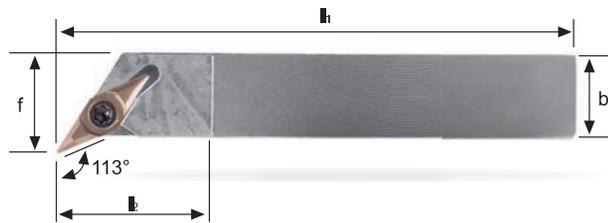
Stelo in acciaio _ Stahlschaft _ Steelshank

SVGCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVGCR/L 0808 K07	8	8	8	125	15	8,5						0,040	--	●	
SVGCR/L 1010 M07	10	10	10	150	15	10,5	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVGCR/L 1212 M07	12	12	12	150	18	12,5						0,090	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SVLCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVLCR/L 0808 D07	8	8	8	60	15	10						0,040	--	●	
SVLCR/L 1010 E07	10	10	10	70	15	12	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVLCR/L 1212 F07	12	12	12	80	18	16						0,090	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SVXCR/L	h1	h2	b	l1	l2	f						KG		STOCK	PRICELIST on
SVXCR/L 0808 D07	8	8	8	60	15	10						0,040	--	●	
SVXCR/L 1010 E07	10	10	10	70	15	12	VCMT VCGT 0702...	--	--	VT20	BT06	0,060	--	●	
SVXCR/L 1212 F07	12	12	12	80	18	16						0,090	--	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MILLING

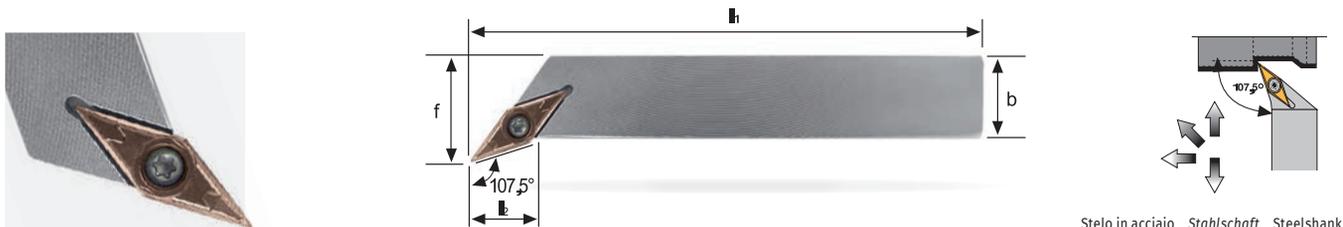
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MOULDMILL

MICROTOOLS
AMS

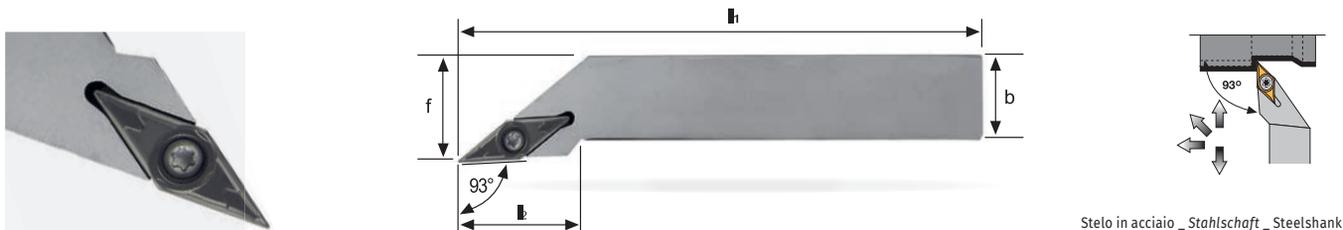
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UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



SVHBR/L	h1	h2	b	(mm)		f						KG	STOCK	PRICELIST on
				l1	l2									
SVHBR/L 1212 F11	12	12	12	80	13,4	16						0,090	--	●
SVHBR/L 1616 H11	16	16	16	100	13,4	20	VBMT VBGT 1103...	--	--	SS1751	BT08	0,220	--	●
SVHBR/L 2020 K11	20	20	20	125	16,6	25						0,420	--	●
SVHBR/L 2020 K16	20	20	20	125	15,9	25	VBMT VBGT 1604...	US6522	GBS1111	SS1111	BT15	0,420	--	●
SVHBR/L 2525 M16	25	25	25	150	20,6	32						0,740	--	●

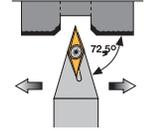
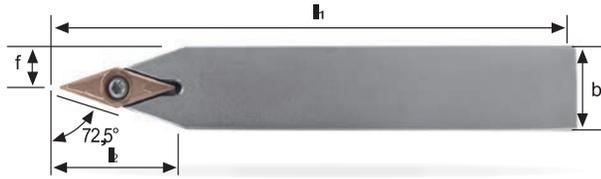
SVHCR/L	h1	h2	b	(mm)		f						KG	STOCK	PRICELIST on
				l1	l2									
SVHCR/L 1212 F11	12	12	12	80	13,4	16						0,090	--	●
SVHCR/L 1616 H11	16	16	16	100	13,4	20	VCMT VCGT 1103...	--	--	SS1751	BT08	0,220	--	●
SVHCR/L 2020 K11	20	20	20	125	16,6	25						0,420	--	●
SVHCR/L 2525 M11	25	25	25	150	22,9	32						0,740	--	●
SVHCR/L 2020 K16	20	20	20	125	15,2	25	VCMT VCGT 1604...	US6522	GBS1111	SS1111	BT15	0,420	--	●
SVHCR/L 2525 M16	25	25	25	150	23,5	32						0,740	--	●



SVJBR/L	h1	h2	b	(mm)		f						KG	STOCK	PRICELIST on
				l1	l2									
SVJBR/L 1212 F11	12	12	12	80	21,5	16						0,090	--	●
SVJBR/L 1616 H11	16	16	16	100	21,5	20	VBMT VBGT 1103...	--	--	SS1751	BT08	0,220	--	●
SVJBR/L 2020 K11	20	20	20	125	23	25						0,420	--	●
SVJBR/L 2020 K16	20	20	20	125	29,5	25	VBMT VBGT 1604...	US6522	GBS1111	SS1111	BT15	0,420	--	●
SVJBR/L 2525 M16	25	25	25	150	33	32						0,740	--	●

SVJCR/L	h1	h2	b	(mm)		f						KG	STOCK	PRICELIST on
				l1	l2									
SVJCR/L 1212 F11	12	12	12	80	21,5	16						0,090	--	●
SVJCR/L 1616 H11	16	16	16	100	21,5	20	VCMT VCGT 1103...	--	--	SS1751	BT08	0,220	--	●
SVJCR/L 2020 K11	20	20	20	125	24	25						0,420	--	●
SVJCR/L 2525 M11	25	25	25	150	26	32						0,740	--	●
SVJCR/L 2020 K16	20	20	20	125	29,5	25	VCMT VCGT 1604...	US6522	GBS1111	SS1111	BT15	0,420	--	●
SVJCR/L 2525 M16	25	25	25	150	32,5	32						0,740	--	●

UTENSILI PER TORNITURA ESTERNA KLEMMHALTER FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

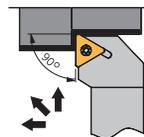
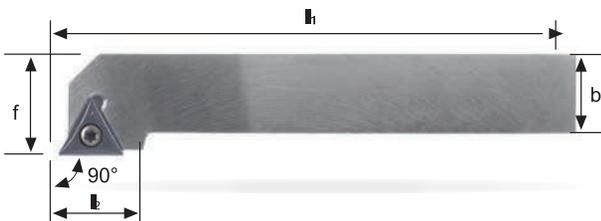
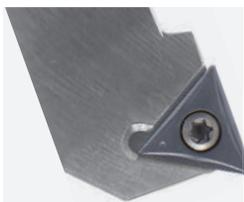


Stelo in acciaio _ Stahlschaft _ Steelshank

SVVBN	i (mm)						VCMT VCGT 1103...	VCMT VCGT 1604...	US6522	GBS1111	SS1751	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f											
SVVBN 1212 F11	12	12	12	80	18,5	6								0,090	--	●	
SVVBN 1616 H11	16	16	16	100	24,7	8								0,220	--	●	
SVVBN 2020 K11	20	20	20	125	32	10								0,420	--	●	
SVVBN 2525 M11	25	25	25	150	38,9	12,5								0,740	--	●	
SVVBN 2020 K16	20	20	20	125	30,7	10								0,420	--	●	
SVVBN 2525 M16	25	25	25	150	38,8	12,5								0,740	--	●	

Stelo in acciaio _ Stahlschaft _ Steelshank

SVVCN	i (mm)						VCMT VCGT 0702...	VCMT VCGT 1103...	US6522	GBS1111	SS1751	SS1111	BT06	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f												
SVVCN 0808 K07	8	8	8	125	15	4									0,040	--	●	
SVVCN 1010 M07	10	10	10	150	15	5									0,060	--	●	
SVVCN 1212 M07	12	12	12	150	18	6									0,090	--	●	
SVVCN 1212 F11	12	12	12	80	18,4	6									0,090	--	●	
SVVCN 1616 H11	16	16	16	100	24,7	8									0,220	--	●	
SVVCN 2020 K11	20	20	20	125	31,3	10									0,420	--	●	
SVVCN 2525 M11	25	25	25	150	39	12,5									0,740	--	●	
SVVCN 2020 K16	20	20	20	125	31,1	10									0,420	--	●	
SVVCN 2525 M16	25	25	25	150	38,2	12,5									0,740	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

STGCR/L	i (mm)						TCMT TCGT 16T3...	TCMT 1102...	US5511	GBS1111	SS1751	SS1111	BT08	BT15	KG	STOCK	PRICELIST on
	h1	h2	b	l1	l2	f											
STGCR/L 1212 F11	12	12	12	80	19	16									0,090	--	●
STGCR/L 1616 H11	16	16	16	100	19	20									0,220	--	●
STGCR/L 1616 H16	16	16	16	100	22	20									0,220	--	●
STGCR/L 2020 K16	20	20	20	125	22	25									0,420	--	●
STGCR/L 2525 M16	25	25	25	150	23	32									0,740	--	●

● Disponibile - Lieferbar - On stock

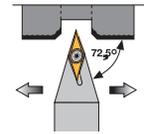
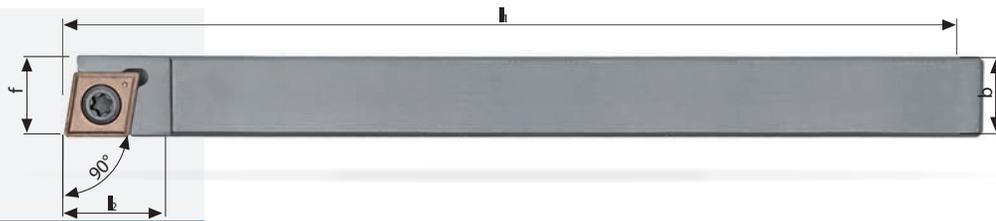
○ A richiesta - Auf Anfrage - On request

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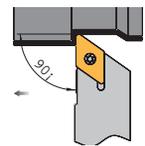
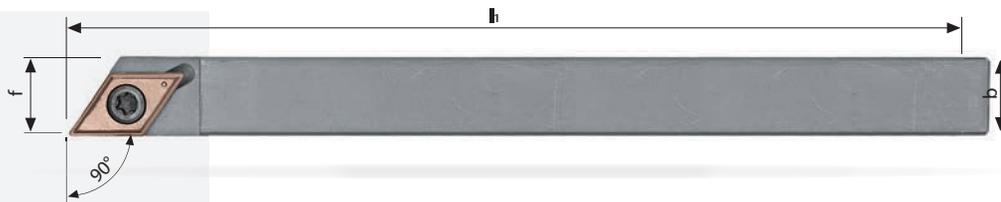
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UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS



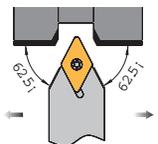
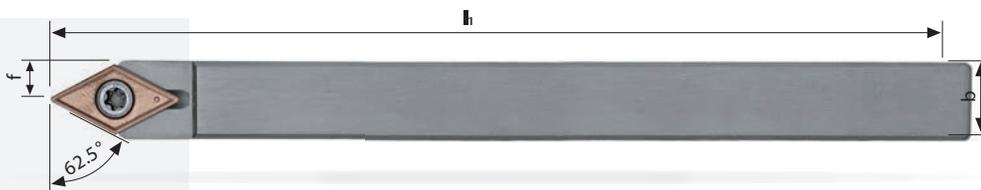
Stelo in acciaio _ Stahlschaft _ Steelshank

SCACR/L	h1	h2	b (mm)		l1	f						KG		STOCK	PRICELIST on
SCACR/L 0808 X06-A	8	8	8	8	115	8,0						0,060	--	●	
SCACR/L 1010 X06-A	10	10	10	10	115	10,0	CCMT CCGT 0602...	--	--	SS1751	BT08	0,100	--	●	
SCACR/L 1212 X06-A	12	12	12	12	130	12,0						0,150	--	●	
SCACR/L 1212 X09-A	12	12	12	12	130	12,0	CCMT CCGT 09T3...	--	--	VT40B	BT15	0,150	--	●	
SCACR/L 1616 X09-A	16	16	16	16	130	16,0						0,260	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SDACR/L	h1	h2	b (mm)		l1	f						KG		STOCK	PRICELIST on
SDACR/L 0808 X07-A	8	8	8	8	115	8,0						0,060	--	●	
SDACR/L 1010 X07-A	10	10	10	10	115	10,0	DCMT DCGT 0702...	--	--	SS1751	BT08	0,090	--	●	
SDACR/L 1212 X07-A	12	12	12	12	130	12,0						0,150	--	●	
SDACR/L 1616 X07-A	16	16	16	16	130	16,0						0,250	--	●	
SDACR/L 1212 X11-A	12	12	12	12	130	12,0	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,150	--	●	
SDACR/L 1616-X11-A	16	16	16	16	130	16,0						0,250	--	●	



Stelo in acciaio _ Stahlschaft _ Steelshank

SDNCN	h1	h2	b (mm)		l1	f						KG		STOCK	PRICELIST on
SDNCN 1010 X07-A	10	10	10	10	115	5,0	DCMT DCGT 0702...	--	--	SS1751	BT08	0,060	--	●	
SDNCN 1212 X11-A	12	12	12	12	130	6,0	DCMT DCGT 11T3...	--	--	VT40B	BT15	0,150	--	●	
SDNCN 1616 X11-A	16	16	16	16	130	8,0						0,250	--	●	

UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS

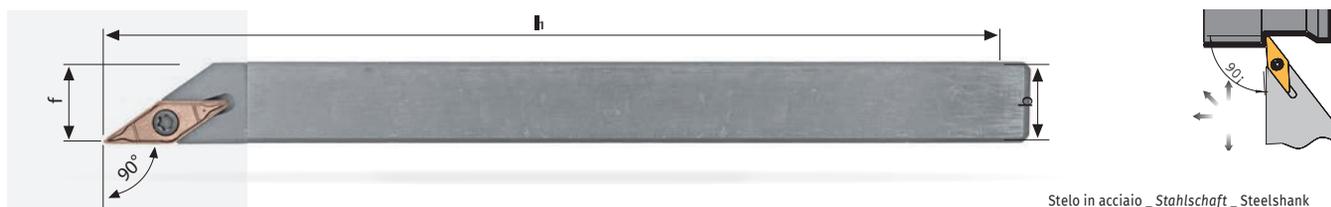
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

SVACR/L	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVACR/L 0808 X11-A	8	8	8	115	8,0							0,060	--	●
SVACR/L 1010 X11-A	10	10	10	115	10,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,090	--	●
SVACR/L 1212 X11-A	12	12	12	130	12,0							0,150	--	●
SVACR/L 1616 X11-A	16	16	16	130	16,0							0,250	--	●
SVACR/L 1212 X16-A	12	12	12	130	12,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,140	--	●
SVACR/L 1616-X16-A	16	16	16	130	16,0							0,240	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SVJCR/L	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVJCR/L 0808 X11-A	8	8	8	115	8,0							0,060	--	●
SVJCR/L 1010 X11-A	10	10	10	115	10,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,090	--	●
SVJCR/L 1212 X11-A	12	12	12	130	12,0							0,150	--	●
SVJCR/L 1616 X11-A	16	16	16	130	16,0							0,250	--	●
SVJCR/L 1212 X16-A	12	12	12	130	12,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,140	--	●
SVJCR/L 1616-X16-A	16	16	16	130	16,0							0,240	--	●



Stelo in acciaio _ Stahlschaft _ Steelshank

SVVCN	h1	h2	b	l1	f							KG	STOCK	PRICELIST on
SVVCN 1010 X11-A	10	10	10	115	5,0							0,100	--	●
SVVCN 1212 X11-A	12	12	12	130	6,0	VCMT VCGT 1103...	--	--	SS1751	BT08		0,150	--	●
SVVCN 1616 X11-A	16	16	16	130	8,0							0,250	--	●
SVVCN 1212 X16-A	12	12	12	130	6,0	VCMT VCGT 1604...	--	--	VT40B	BT15		0,150	--	●
SVVCN 1616 X16-A	16	16	16	130	8,0							0,240	--	●

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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UTENSILI PER FANTINE MOBILI LANGDREHMASCHINEN WERKZEUGEN _ SWISS TYPE MACHINING TURNING TOOLS

NEW

QCTB	h1	h2	b	RE	LH	l1			KG		STOCK	PRICELIST on
QCTB 1212	12	21,5	12	4	16	84	M8X5QC	VT40QC	0,140		●	
QCTB 1616	16	21,5	16	1	16	90	(M8X1X5)	(M4X0,7)	0,220		●	

NEW

SCLCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SCLCR/L 12-06	11,8	0,2	27,3	43,3			0,080		-	○
SCLCR/L 12-06 W	11,8	0,2	27,3	43,3	CCMT CCGT 0602...	SS1751	0,080	BT08	-	●
SCLCR/L 16-06	15,8	0,2	27,3	43,3			0,080		-	○
SCLCR/L 16-06 W	15,8	0,2	27,3	43,3			0,080		-	○
SCLCR/L 12-09	11,8	0,2	27,3	43,3			0,080		-	○
SCLCR/L 12-09 W	11,8	0,2	27,3	43,3	CCMT CCGT 09T3...	VT35	0,080	BT15	-	●
SCLCR/L 16-09	15,8	0,2	27,3	43,3			0,090		-	○
SCLCR/L 16-09 W	15,8	0,2	27,3	43,3			0,090		-	●

NEW

SDJCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SDJCR/L 12-07	11,8	0,2	27,3	43,3			0,080		-	○
SDJCR/L 12-07 W	11,8	0,2	27,3	43,3	DCMT DCGT 0702...	SS1751	0,080	BT08	-	●
SDJCR/L 16-07	15,8	0,2	27,3	43,3			0,080		-	○
SDJCR/L 16-07 W	15,8	0,2	27,3	43,3			0,080		-	○
SDJCR/L 12-11	11,8	0,2	27,3	43,3			0,080		-	○
SDJCR/L 12-11 W	11,8	0,2	27,3	43,3	DCMT DCGT 11T3...	VT35	0,080	BT15	-	●
SDJCR/L 16-11	15,8	0,2	27,3	43,3			0,090		-	○
SDJCR/L 16-11 W	15,8	0,2	27,3	43,3			0,090		-	●

NEW

SVJCR/L	HF	RE	LF	l1			KG		STOCK	PRICELIST on
SVJCR/L 12-11	11,8	0,2	27,3	43,3			0,070		-	○
SVJCR/L 12-11 W	11,8	0,2	27,3	43,3	VCMT VCGT 1103...	SS1751	0,070	BT08	-	●
SVJCR/L 16-11	15,8	0,2	27,3	43,3			0,080		-	○
SVJCR/L 16-11 W	15,8	0,2	27,3	43,3			0,080		-	●

NEW

... ER/L	HF	LF	l1				KG		STOCK	PRICELIST on			
SER/L 12-11	11,8	27,3	43,3	11 ER/L	-	-	-	SS1751	BT08	0,070	-	○	
TER/L 16-16	15,8	27,3	43,3	16 ER/L	US-3R	US-3L	USR-3E	GBS-3E	VT40-3E	BT10	0,100	-	○

BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS

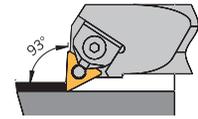
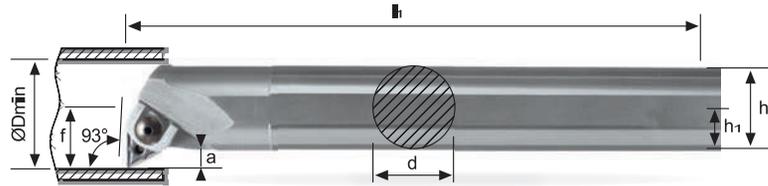
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

A-MTFNR/L

	d	h1	h2	l1 (mm)	f	a	D _{min}		KG		STOCK	PRICELIST on
A32S MTFNR/L 16	32	15	30	250	22	5,9	44	TN... 1604...	1,400			
A40T MTFNR/L 16	40	18	36	300	27	6,9	54		2,700			

RICAMBI Ersatzteile Spare parts

Staffa Klemme Clamp

Perno Keilstück Wedge

Supporto Unterlegplatte Support pad

Grano Gewindestift Pin

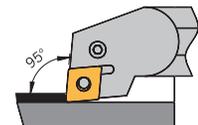
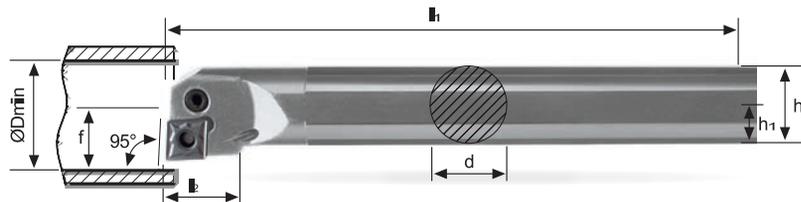
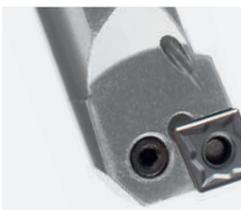
... MTFNR/L 16

GS1

P1

E1

G1



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PCLNR/L

	d	h1	h2	l1 (mm)	l2	f	D _{min}		KG		STOCK	PRICELIST on
A16M PCLNR/L 09	16	8	15,5	150	21	11	20	CN... 0903...	0,250			
A20Q PCLNR/L 09	20	10	19	180	21	13	25		0,500			
A25R PCLNR/L 09	25	12,5	24	200	21	17	32		0,700			
A25R PCLNR/L 12	25	12,5	24	200	21	17	32	CN... 1204...	0,700			
A32S PCLNR/L 12	32	16	31	250	24,1	22	40		1,400			
A40T PCLNR/L 12	40	20	38,5	300	24,1	27	49		2,700			

RICAMBI Ersatzteile Spare parts

Supporto Unterlage Support pad

Leva Hebel Lever

Vite di fissaggio Klemmschraube Clamping screw

Spina supporto Rohrstift Shim pin

Punzone Montagedorn Shim pin punch

... 16/20... PCLNR/L 09

--

HP 1118

SP 1118

--

--

... 25... PCLNR/L 09

UP 1115

HP 4751

SP 3111

RP 3112

MP 3111

... 25... PCLNR/L 12

UP 1111

HP 1111

SP 1114

RP 1111

MP 1111

... 32-40... PCLNR/L 12

UP 1111

HP 1111

SP 1111

RP 1111

MP 1111

● Disponibile - Lieferbar - On stock

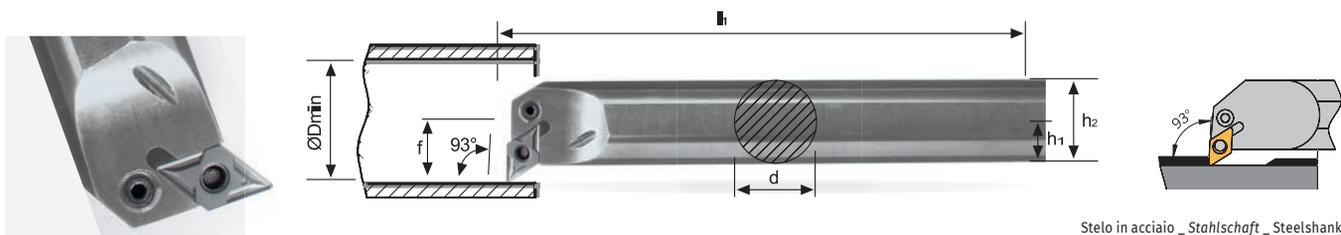
○ A richiesta - Auf Anfrage - On request

2023/24



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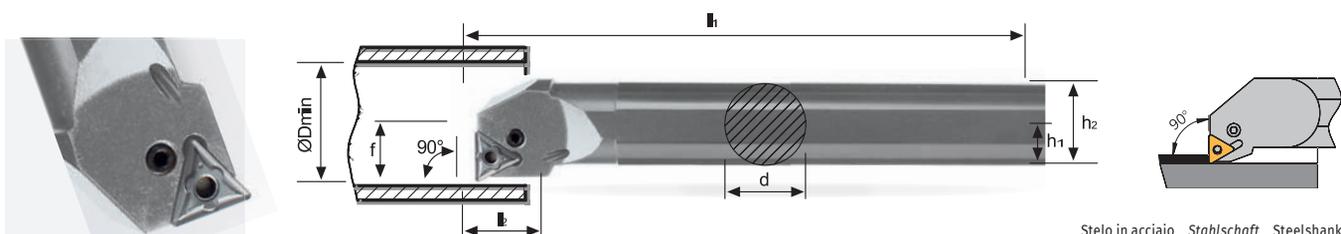
BARENI PER TORNITURA INTERNA BOHRSTANGEN FÜR DIE INNENBEARBEITUNG _ INTERNAL BORING BARS



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PDUNR/L	d	h1	h2	l1	f	D _{min}		KG		STOCK	PRICELIST on
A20Q PDUNR/L 11	20	10	19	180	16	27	DN...	0,500		○	
A25R PDUNR/L 11	25	12,5	24	200	18,5	32	1104...	0,700		○	
A32S PDUNR/L 15	32	16	31	250	22	40	DN...	1,400		●	
A40T PDUNR/L 15	40	20	38,5	300	27	49	1506...	2,700		○	

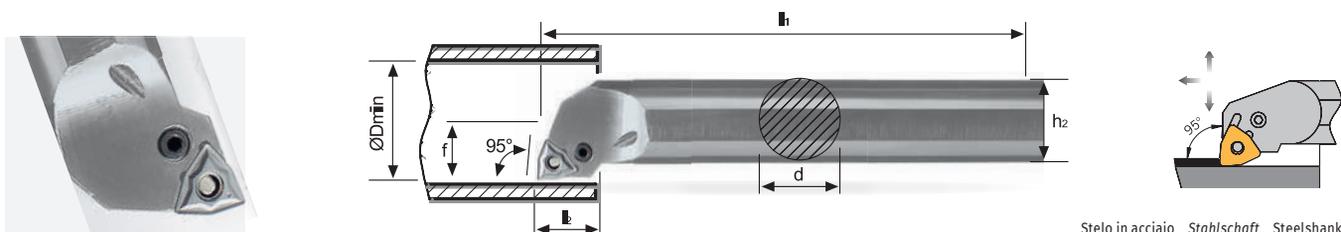
RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
...20... PDUNR/L 11	--	HP 2012	SP 3112	--	--
...25... PDUNR/L 11	UP 2011	HP 2011	SP 3111	RP 3112	MP 3111
...32-40... PDUNR/L 15	UP 2421	HP 2421	SP 1111	RP 1111	MP 1111



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PTFNR/L	d	h1	h2	l1	l2	f	D _{min}		KG		STOCK	PRICELIST on
A20Q PTFNR/L 11	20	10	19	180	14	13	25	TN... 1103...	0,500		●	
A25R PTFNR/L 16	25	12,5	24	200	17,5	17	32	TN... 1604...	0,700		●	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
...20... PTFNR/L 11	--	HP 6051	SP 5751	--	--
...25... PTFNR/L 16	UP 6211	HP 4751	SP 3111	RP 3112	MP 3111



Stelo in acciaio _ Stahlschaft _ Steelshank

A-PWLN/L	d	h2	l1	l2	f	D _{min}		KG		STOCK	PRICELIST on
A16M PWLN/L 06	16	15,5	150	17,5	11	21		0,250		○	
A20Q PWLN/L 06	20	19	180	19,5	13	25	WN... 0604...	0,500		○	
A25R PWLN/L 06	25	24	200	19,5	17	32		0,700		○	
A32S PWLN/L 08	32	31	250	26	22	40	WN... 0804...	1,400		●	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
... 16-20... PWLN/L 06	--	HP 4753	SP 3113	--	--
... 25... PWLN/L 06	UP 71111	HP 4751	SP 3111	RP 3112	MP 3111
... 32... PWLN/L 08	UP 71011	HP 1111	SP 1111	RP 1111	MP 1111

UTENSILI PER TORNITURA ESTERNA
WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS
 Con lubrificazione _ Mit Innenkühlung _ With coolant

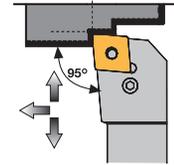
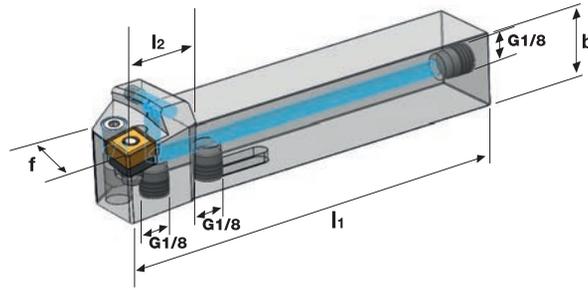
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLS



INCLUDING FREE
NO SEPARATE SALE

Stelo in acciaio _ Stahlschaft _ Steelshank

PCLNR/L

h1 h2 b l1 l2 f



KG



STOCK

PRICELIST on

PCLNR/L 1616 H12 - IK G1/8

16 16 16 100 26,1 20

0,254



PCLNR/L 2020 K12 - IK G1/8

20 20 20 125 27,4 25

CN...
1204...

UP
1111

HP
1111

SP
1111

RP
1111

MP
1111

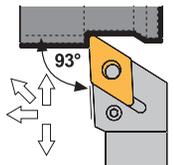
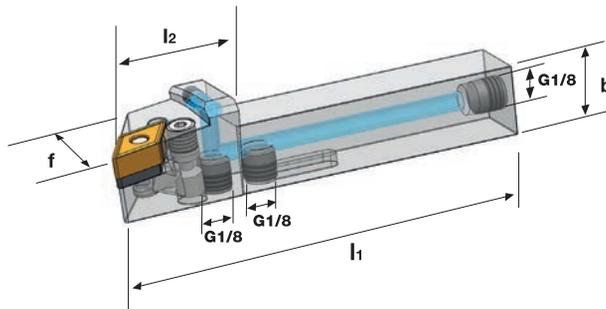
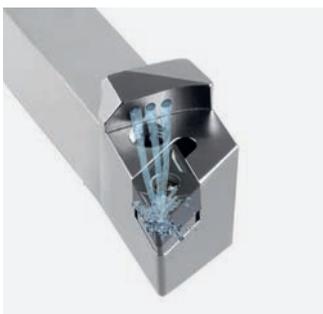
0,428



PCLNR/L 2525 M12 - IK G1/8

25 25 25 150 28 32

0,751



INCLUDING FREE
NO SEPARATE SALE

Stelo in acciaio _ Stahlschaft _ Steelshank

PDJNR/L

h1 h2 b l1 l2 f



KG



STOCK

PRICELIST on

PDJNR/L 1616 H11 - IK G1/8

16 16 16 100 30 20

DN...
1104...

UP
2011

HP
2011

SP
3111

RP
3112

MP
3111

0,220



PDJNR/L 2020 K15 - IK G1/8

20 20 20 125 30 25

DN...
1506...

UP
2421

HP
2421

SP
1111

RP
1111

MP
1111

0,411



PDJNR/L 2525 M15 - IK G1/8

25 25 25 150 30 32

0,737



● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

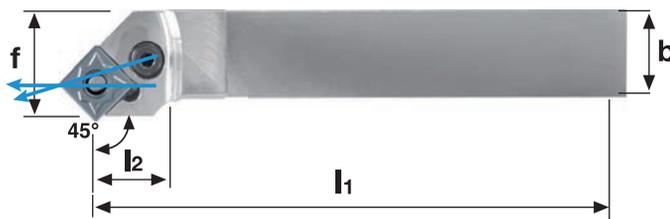
2023/24



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UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

Con lubrificazione _ Mit Innenkühlung _ With coolant



Stelo in acciaio _ Stahlschaft _ Steelshank

PSSNR/L



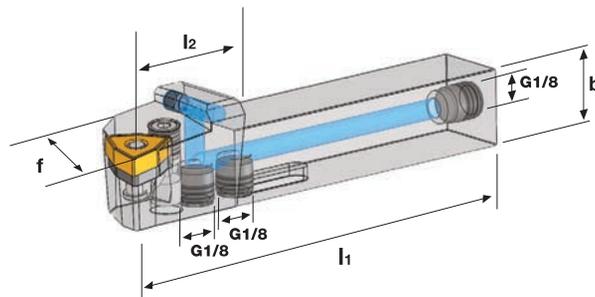
PSSNR/L 2020 K12 - IK G1/8 20 20 20 125 29,4 25

0,430 ●

SN... 1204... UP 5112 HP 1111 SP 1111 RP 1111 MP 1111

PSSNR/L 2525 M12 - IK G1/8 25 25 25 150 29,3 32

0,760 ●



Stelo in acciaio _ Stahlschaft _ Steelshank

PWLNR/L



PWLNR/L 2020 K08 - IK G1/8 20 20 20 125 25 25

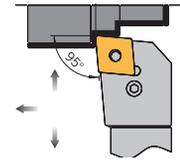
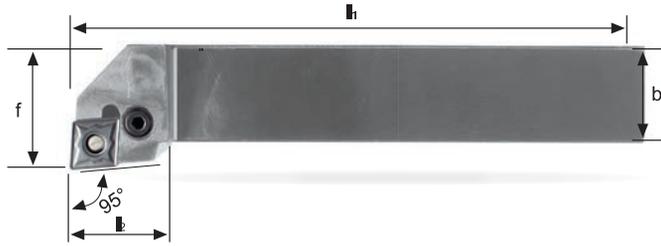
0,420 ●

WN... 0804... UP 71011 HP 1111 SP 1111 RP 1111 MP 1111

PWLNR/L 2525 M08 - IK G1/8 25 25 25 150 25 32

0,767 ●

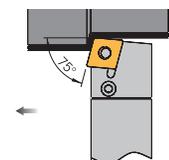
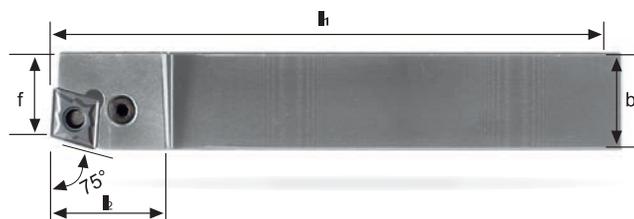
UTENSILI PER TORNITURA ESTERNA
WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



Stelo in acciaio _ Stahlschaft _ Steelshank

PCLNR/L	h1	h2	i (mm)		l2	f		KG		STOCK	PRICELIST on
			b	l1							
PCLNR/L 1616 H09	16	16	16	100	23	20,3	CN... 0903...	0,220	--	○	
PCLNR/L 1616 H12	16	16	16	100	26,1	20,3	CN... 1204...	0,220	--	●	
PCLNR/L 2020 K09	20	20	20	125	26	25,3	CN... 0903...	0,420	--	○	
PCLNR/L 2020 K12	20	20	20	125	27,5	25,3	CN... 1204...	0,420	--	●	
PCLNR/L 2525 M09	25	25	25	150	28	32,3	CN... 0903...	0,740	--	○	
PCLNR/L 2525 M12	25	25	25	150	28,1	32,3	CN... 1204...	0,740	--	●	
PCLNR/L 2525 M16	25	25	25	150	32,7	32,3	CN... 1606...	0,740	--	○	
PCLNR/L 3225 P12	32	32	25	170	31,2	32,3	CN... 1204...	1,300	--	●	
PCLNR/L 3232 P16	32	32	32	170	40	40,3	CN... 1606...	1,300	--	○	
PCLNR/L 3232 P19	32	32	32	170	38,2	40,3	CN... 1906...	1,300	--	○	
PCLNR/L 4040 S19	40	40	40	250	40	50,3		1,700	--	○	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PC... R/L... 09	UP 1115	HP 4751	SP 3111	RP 3112	MP 3111
PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111
PC... R/L... 16	UP 1221	HP 1221	SP 1221	RP 1221	MP 1221
PC... R/L... 19	UP 1321	HP 1321	SP 1321	RP 1321	MP 1321



Stelo in acciaio _ Stahlschaft _ Steelshank

PCBNR/L	h1	h2	i (mm)		l2	f		KG		STOCK	PRICELIST on
			b	l1							
PCBNR/L 2525 M12	25	25	25	150	27,7	22	CN... 1204...	0,740	--	●	

RICAMBI Ersatzteile Spare parts	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

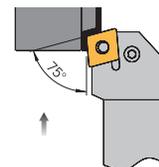
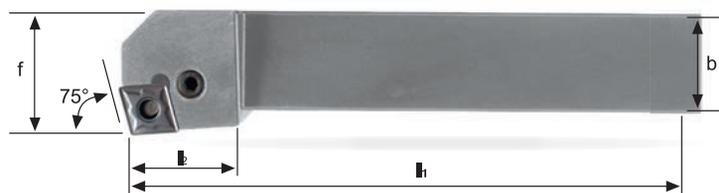
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



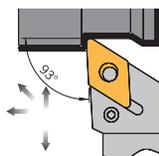
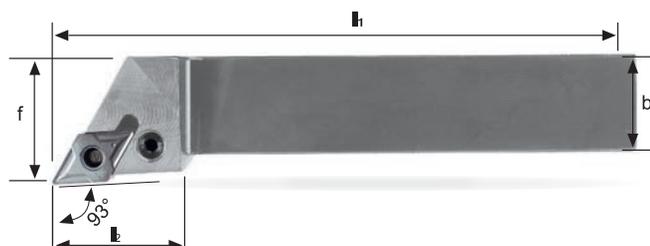
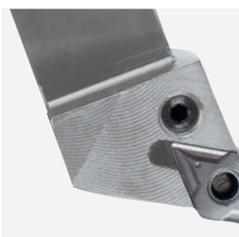
Stelo in acciaio _ Stahlschaft _ Steelshank

PCKNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
PCKNR/L 2020 K12	20	20	125	27,4	25	25			0,420	--	●	
								CN... 1204...				
PCKNR/L 2525 M12	25	25	150	28	25	32			0,740	--	●	

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PC... R/L... 12	UP 1111	HP 1111	SP 1111	RP 1111	MP 1111
------------------------	---------	---------	---------	---------	---------



Stelo in acciaio _ Stahlschaft _ Steelshank

PDJNR/L

	h1	h2	b (mm)		l1	l2	f		KG		STOCK	PRICELIST on
PDJNR/L 1616 H11	16	16	16	100	30	20,2			0,220	--	○	
								DN... 1104...				
PDJNR/L 2020 K11	20	20	20	125	30	25,2			0,420	--	○	
PDJNR/L 2020 K15	20	20	20	125	35,4	25,2			0,420	--	●	
PDJNR/L 2525 M11	25	25	25	150	30	32,2			0,740	--	○	
PDJNR/L 2525 M15	25	25	25	150	35,4	32,2			0,740	--	●	
PDJNR/L 3225 P11	32	32	25	170	29,8	32,2			1,300	--	○	
PDJNR/L 3232 P15	32	32	32	170	35,4	40,2			1,300	--	●	

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PD... R/L... 11	UP 2011	HP 2011	SP 3111	RP 3112	MP 3111
PD... R/L... 15	UP 2421	HP 2421	SP 1111	RP 1111	MP 1111

UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS

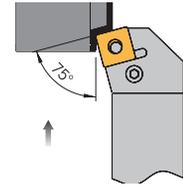
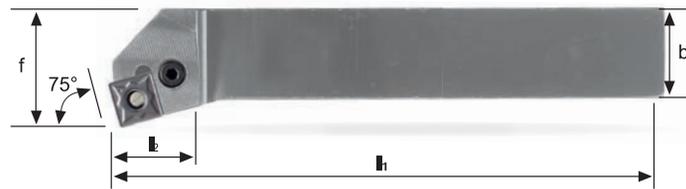
MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES

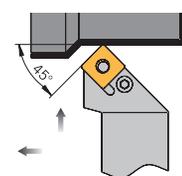
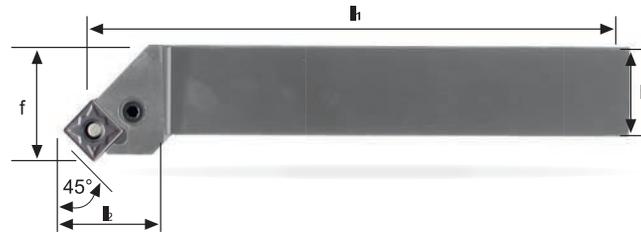


Stelo in acciaio _ Stahlschaft _ Steelshank

PSKNR/L	h1	h2	: (mm)		l2	f	◇	KG	STOCK	PRICELIST on
PSKNR/L 2020 K12	20	20	b	l1	20,7	25,3	SN... 1204...	0,420	--	●
PSKNR/L 2525 M12	25	25	20	125	24	32,3		0,740	--	●
PSKNR/L 2525 M15	25	25	25	150	24,8	32,3	SN... 1506...	0,740	--	○
PSKNR/L 3232 P15	32	32	25	150	27,6	40,1		1,300	--	○
PSKNR/L 3232 P19	32	32	32	170	37,4	40,3	SN... 1906...	1,300	--	○

RICAMBI Ersatzteile Spare parts

	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PS... R/L... 12	UP 5112	HP 1111	SP 1111	RP 1111	MP 1111
PS... R/L... 15	UP 5421	HP 1221	SP 1221	RP 1221	MP 1221
PS... R/L... 19	UP 5321	HP 1321	SP 1321	RP 1321	MP 1321



Stelo in acciaio _ Stahlschaft _ Steelshank

PSSNR/L	h1	h2	: (mm)		l2	f	◇	KG	STOCK	PRICELIST on
PSSNR/L 2020 K12	20	20	b	l1	29,4	25,3	SN... 1204...	0,420	--	●
PSSNR/L 2525 M12	25	25	20	125	29,3	32,3		0,740	--	●
PSSNR/L 2525 M15	25	25	25	150	32,5	32,3	SN... 1506...	0,740	--	○
PSSNR/L 3232 P15	32	32	25	150	32,5	40,3		1,300	--	○

RICAMBI Ersatzteile Spare parts

	Supporto Unterlage Support pad	Leva Hebel Lever	Vite di fissaggio Klemmschraube Clamping screw	Spina supporto Rohrstift Shim pin	Punzone Montagedorn Shim pin punch
PS... R/L... 12	UP 5112	HP 1111	SP 1111	RP 1111	MP 1111
PS... R/L... 15	UP 5421	HP 1221	SP 1221	RP 1221	MP 1221

● Disponibile - Lieferbar - On stock

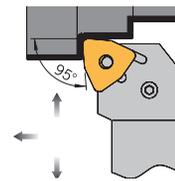
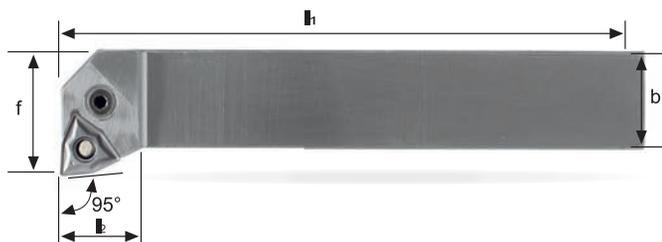
○ A richiesta - Auf Anfrage - On request

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UTENSILI PER TORNITURA ESTERNA WERKZEUGE FÜR DIE AUSSENBEARBEITUNG _ EXTERNAL TURNING TOOLS



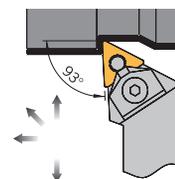
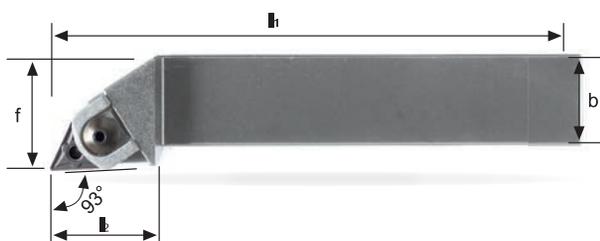
Stelo in acciaio _ Stahlschaft _ Steelshank

PWLNR/L

	h1	h2	b (mm)		l1	l2	f		KG	STOCK	PRICELIST on
PWLNR/L 1616 H06	16	16	16	100	20	23		WN... 0604...	0,220	--	○
PWLNR/L 2020 K06	20	20	20	125	22	25		WN... 0804...	0,420	--	○
PWLNR/L 2020 K08	20	20	20	125	22	25		WN... 0804...	0,420	--	●
PWLNR/L 2525 M06	25	25	25	150	22,4	32		WN... 0604...	0,740	--	○
PWLNR/L 2525 M08	25	25	25	150	22,4	32		WN... 0804...	0,740	--	●
PWLNR/L 3225 P08	32	32	25	170	22	32		WN... 0804...	1,300	--	●

**RICAMBI
Ersatzteile
Spare parts****Supporto
Unterlage
Support pad****Leva
Hebel
Lever****Vite di fissaggio
Klemmschraube
Clamping screw****Spina supporto
Rohrstift
Shim pin****Punzone
Montagedorn
Shim pin punch**

PW... R/L... 06	UP 71111	HP 4751	SP 3111	RP 3112	MP 3111
PW... R/L... 08	UP 71011	HP 1111	SP 1111	RP 1111	MP 1111



Stelo in acciaio _ Stahlschaft _ Steelshank

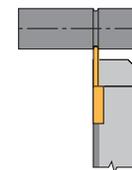
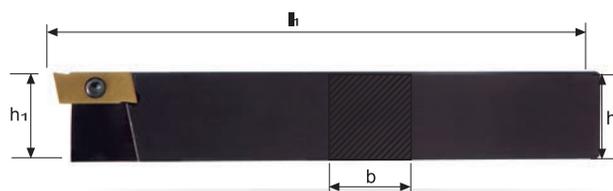
MTJNR/L

	h1	h2	b (mm)		l1	l2	f		KG	STOCK	PRICELIST on
MTJNR/L 2020 K16	20	20	20	125	35	25		TN...1604...	0,420	--	●
MTJNR/L 2525 M16	25	25	25	150	32	32			0,740	--	●

**RICAMBI
Ersatzteile
Spare parts****Staffa
Klemme
Clamp****Perno
Keilstück
Wedge****Supporto
Unterlegplatte
Support pad****Grano
Gewindestift
Pin**

MT... R/L... 16	GS1	P1	E1	G1
------------------------	-----	----	----	----

UTENSILI PER TAGLIO E SCANALATURA ESTERNA AUSSENBEARBEITUNG RADIAL - STECHDREHEN _ EXTERNAL MACHINING GROOVING



Stelo in acciaio _ Stahlschaft _ Steelshank

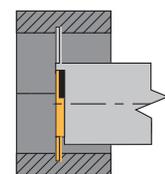
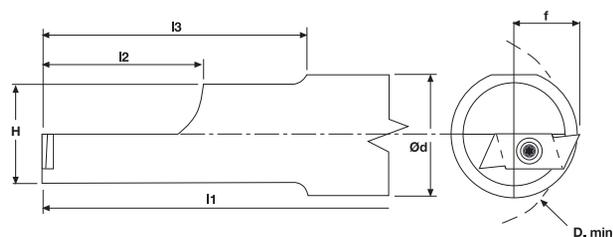
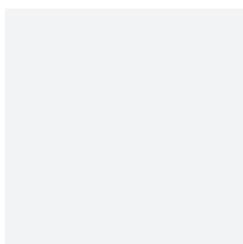
THE / THS

	h1	h	b	l1				KG	STOCK	PRICELIST on
THE-7-0808 R/L	08	08	08	100	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,040	--	○
THE-7-1010 R/L	10	10	10	120				0,060	--	○
THE-7-1212 R/L	12	12	12	120				0,090	--	○
THE-7-1616 R/L	16	16	16	120				0,220	--	○
THE-7-2020 R/L	20	20	20	120				0,420	--	○
THE-7-2525 R/L	25	25	25	120				0,740	--	○

Utensili per macchine svizzere _ Swiss machine tools

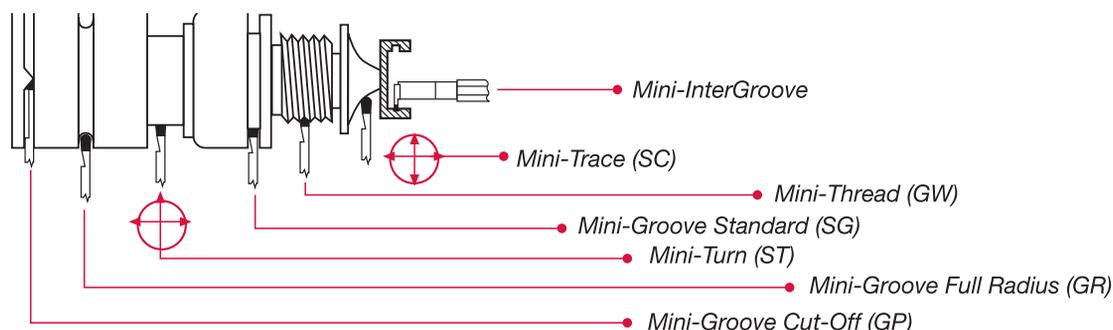
THS-7-0808 R/L	08	08	08	140	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,040	--	○
THS-7-1010 R/L	10	10	10	150				0,060	--	○

UTENSILI PER SCANALATURA INTERNA INNENBEARBEITUNG INNENSTECHDREHEN _ INTERNAL MACHINING INTERNAL GROOVING



THI

	ØD	Ød	f	H	l1	l2	l3				KG	STOCK	PRICELIST on
THI-7-20 R/L	38,1	20	13,34	195	140	25	50	GIE... GP-ST-SG- GR-GW	VT 30-G	BT08	0,220	--	○
THI-7-25 R/L	38,1	25	13,34	195	150	32	63				0,420	--	○
THI-7-32 R/L	38,1	32	13,34	195	150	32	63				0,740	--	○



NOTE: - per utensili destri (R) inserto sinistro (L) - per utensili sinistri (L) inserto destro (R)

NOTE: - for rechte Werkzeuge (R) linke W.P. (L) - for linke Werkzeuge (L) rechte W.P. (R)

NOTE: - right hand holders (R) Left hand inserts (L) - Left hand holders (L) right hand inserts (R)

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

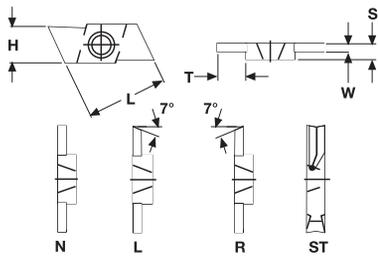
MOULDMILL

MICROTOOLS
AMS

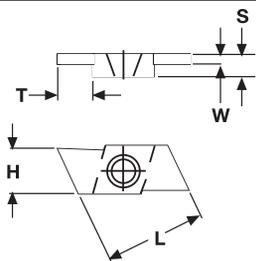
MINITOLS

INSERTI _ WENDEPLATTEN _ INSERTS

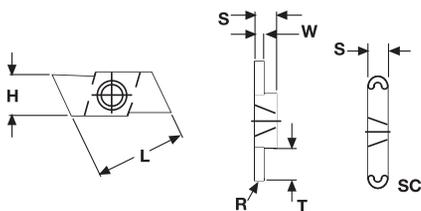
GIE

Inserti per scanalatura e taglio
Drehen und Stechen _ Grooving and Turning

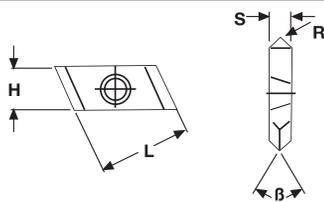
Art.	← (mm)						PRICELIST on
	W ^{+02 -0}	T	H	S	L	TIN	
GIE-7-GP-1,0 R/L N	1	6	7	2	17	○	
GIE-7-GP-1,0 R/L R/L	1	6	7	2	17	○	
GIE-7-GP-1,5 R/L N	1,5	6	7	2	17	○	
GIE-7-GP-1,5 R/L R/L	1,5	6	7	2	17	○	
GIE-7-GP-2 R/L N	2	6	7	2	17	○	
GIE-7-GP-2 R/L R/L	2	6	7	2	17	○	
GIE-7-ST-3,0 R/L	3,1	6	7	3,17	17	○	

Inserti per scanalatura per anelli
Stechen _ Grooving

Art.	← (mm)						PRICELIST on
	W ^{+02 -0}	T	H	S	L	TIN	
GIE-7-SG-0,5 R/L	0,5	2,54	7	2	17	○	
GIE-7-SG-0,7 R/L	0,7	2,54	7	2	17	○	
GIE-7-SG-0,8 R/L	0,8	2,54	7	2	17	○	
GIE-7-SG-0,9 R/L	0,9	2,54	7	2	17	○	
GIE-7-SG-1,1 R/L	1,1	6	7	2	17	○	
GIE-7-SG-1,3 R/L	1,3	6	7	2	17	○	
GIE-7-SG-1,6 R/L	1,6	6	7	2	17	○	
GIE-7-SG-1,85 R/L	1,85	6	7	2	17	○	

Inserti per scanalatura raggiata e profilatura
Vollradiusaustrohung _ Full radius execution

Art.	← (mm)						PRICELIST on
	W ^{+02 -0}	B	T	H	S	L	
GIE-7-GR-1 R/L	1	0,5	6	7	2	17	○
GIE-7-GR-1,5 R/L	1,5	0,75	6	7	2	17	○
GIE-7-GR-2 R/L	2	1	6	7	2	17	○
GIE-7-SC-3 R/L	3,17	1,585	6	7	3,17	17	○

Inserti per filettare
Gewindedrehen _ Threading

Art.	← (mm)						PRICELIST on
	B	R	H	S	L	TIN	
GIE-7-GW-60 R/L	60°	0,1	7	2	17	○	
GIE-7-GW-55 R/L	55°	0,12	7	2	17	○	

SET MINI GROOVE



STOCK

PRICELIST on

Art. SET 05-GIE

n° 1		THE-7-1212-R
n° 1		GIE-7-SG-0,9 L TIN
n° 1		GIE-7-SG-1,1 L TIN
n° 1		GIE-7-SG-1,3 L TIN
n° 1		GIE-7-SG-1,6 L TIN
n° 1		GIE-7-SG-1,85 L TIN

0,170 ○

(*) SG = scanalatura standard
standard Stechen
standard groovingGP = scanalatura e taglio
Drehen und Stechen
grooving and cutoffGR = scanalatura raggiata
Vollradiusaustrohung
grooving full radiusGW = filettatura
Gewindedrehen
threadingST = tornitura
Drehen
turningSC = profilatura
Kopierprofil
tracing



SET A - SLCR/L 06

N° 1 A 0608H SLCR/L 06
N° 1 A 0810J SLCR/L 06
N° 1 A 1012K SLCR/L 06
N° 1 A 1216M SLCR/L 06



SET A-SDUCR/L 07

N° 1 A 0810H SDUCR/L 07
N° 1 A 1012K SDUCR/L 07
N° 1 A 1216M SDUCR/L 07



SET A-SDQCR/L 07

N° 1 A 0810H SDQCR/L 07
N° 1 A 1012K SDQCR/L 07
N° 1 A 1216M SDQCR/L 07



SET A-SWUCR/L 02

N° 1 A 0508H SWUCR/L 02
N° 1 A 0608H SWUCR/L 02



SET AH - SLCR/L 06

N° 1 AH 0608H SLCR/L 06
N° 1 AH 0810J SLCR/L 06
N° 1 AH 1012K SLCR/L 06
N° 1 AH 1216M SLCR/L 06



SET AH-SDUCR/L 07

N° 1 AH 0810H SDUCR/L 07
N° 1 AH 1012K SDUCR/L 07
N° 1 AH 1216M SDUCR/L 07



SET E SV.CR/L 05 + 20 WP 05

N° 1 E08F SVLCR/L 05
N° 1 E08F SVXCR/L 05
N° 1 E08F SVVCR/L 05
N° 1 E08F SV95CR/L 05
N° 10 VCGT 050102 FN-ALU K15
N° 10 VCGT 050102 EN-PM1 K400



SET E SV.CR/L 07 + 20 WP VC07

N° 1 E10H SVLCR/L 07
N° 1 E10H SVXCR/L 07
N° 1 E10H SVVCR/L 07
N° 1 E10H SV95CR/L 07
N° 10 VCGT 070202FN-ALU K15
N° 10 VCMT 070202EN-PM1 K400



SET E SLCR/L 06

N° 1 E08K SLCR/L 06
N° 1 E10K SLCR/L 06
N° 1 E12M SLCR/L 06



SET E SDUCR/L 07

N° 1 E10K SDUCR/L 07
N° 1 E12M SDUCR/L 07



SET E SLCR/L 03

N° 1 E04G SLCR/L 03
N° 1 E05H SLCR/L 03
N° 1 E06J SLCR/L 03

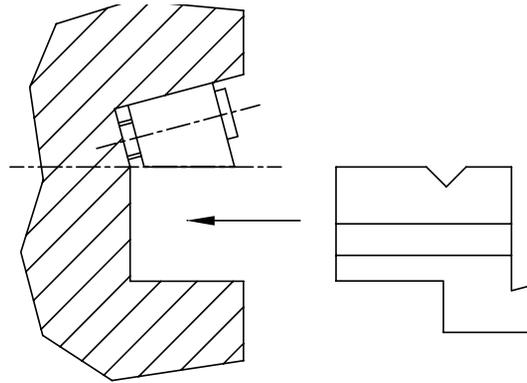


SET E-SWUCR/L 02

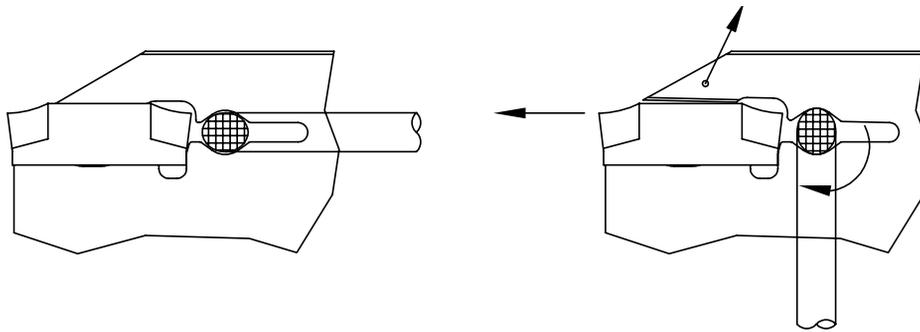
N° 1 E 0508H SWUCR/L 02
N° 1 E 0608H SWUCR/L 02

GROOVING

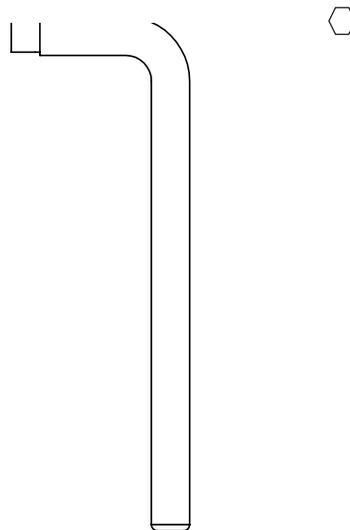




Base holder assembly instruction

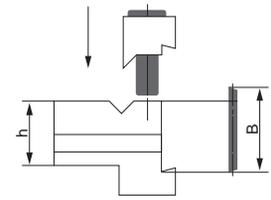
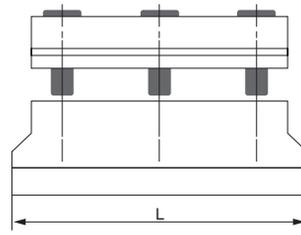


Instruction for changing the insert



Assembly-key

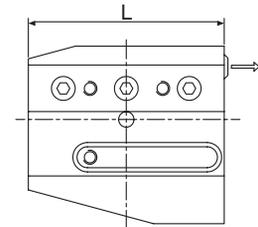
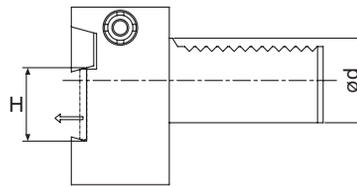
BASE DI SUPPORTO _ GRUNDHALTER _ BASE HOLDER



6

MCTB	h	L (mm)		B	KG	STOCK	PRICELIST on
MCTB 1910	10		76	19	0,200	○	
MCTB 1912	12		76	19	0,250	○	
MCTB 1916	16		76	19	0,300	○	
MCTB 2620	20		87	26	0,600	○	
MCTB 2625	25		87	26	0,700	○	
MCTB 3220	20		100	32	0,800	○	
MCTB 3225	25		110	32	1,000	○	
MCTB 3232	32		120	32	1,300	○	

BASE VDI CON LUBRIFICAZIONE _ VDI GRUNDHALTER MIT IK _ VDI TOOL HOLDER WITH IC



MCGB	ø d	L (mm)		H	KG	STOCK	PRICELIST on
MCGB VDI30/26 COOL	30		70	26	1,300	○	
MCGB VDI30/32 COOL	30		70	32	1,300	○	
MCGB VDI40/32 COOL	40		85	32	2,150	○	

LAMA_STECHSCHWERTER_BLADE

MILLING

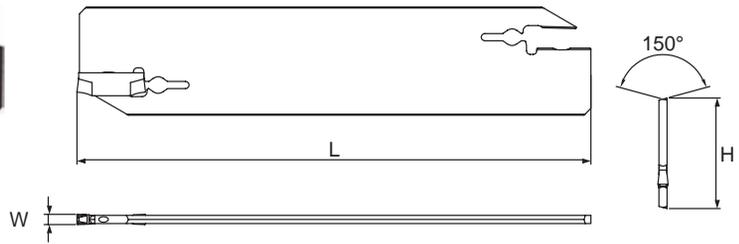
MINIMILL

MOULDMILL

MICROTOOLS
AMS

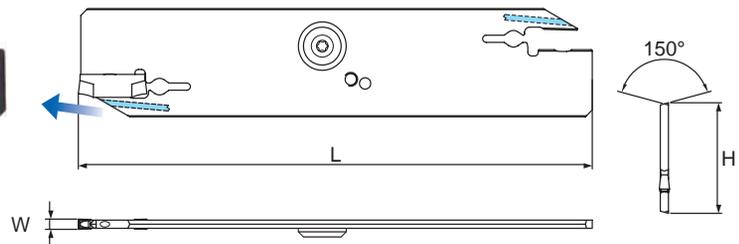
MINITOLS

GROOVING



MCCB

	← (mm)				KG	STOCK	PRICELIST on
	W	H	L				
MCCB 1920 S	2,0	19	86		0,040	●	
MCCB 2620 S	2,0	26	110	GELCG..192002...	0,050	●	
MCCB 2630 S	3,0	26	110		0,060	●	
MCCB 3230 S	3,0	32	150	GELCG..193002...	0,090	●	
MCCB 2640 S	4,0	26	110		0,100	●	
MCCB 3240 S	4,0	32	150	GELCG..234002...	0,100	●	



MCCB COOL

	← (mm)							KG		STOCK	PRICELIST on
	W	H	L								
MCCB 2620 S COOL	2,0	26	110				GELCG..192002...	0,050	💧	●	
MCCB 2630 S COOL	3,0	26	110				GELCG..193002...	0,060	💧	●	
MCCB 3230 S COOL	3,0	32	150	VT40SL	GESL	BT15		0,090	💧	●	
MCCB 2640 S COOL	4,0	26	110					0,100	💧	●	
MCCB 3240 S COOL	4,0	32	150				GELCG..234002...	0,100	💧	●	

● Disponibile - Lieferbar - On stock

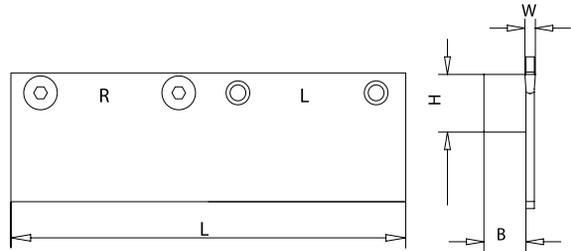
○ A richiesta - Auf Anfrage - On request

2023/24



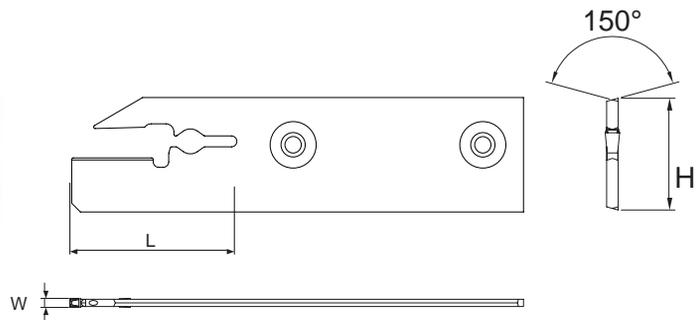
91

BASE SUPPORTO LAMA _ GRUNDHALTER _ TOOL HOLDER



MCBHM	↔ (mm)			Scanalatura consigliata Empfohlene Stechbreite	VT50 BHM	3.00mm	KG	STOCK	PRICELIST on
	H	B	L						
MCBHM1010N	10	10	100	2			0,080	●	
MCBHM1212N	12	12	100	2			0,110	●	
MCBHM1616N	16	16	100	2 / 3			0,200	●	
MCBHM2020N	20	20	100	2 / 3 / 4			0,300	●	
MCBHM2525N	25	25	100	2 / 3 / 4			0,400	●	

LAMA _ STECHSCHWERTER _ BLADE



MCCBM	↔ (mm)		L	GELCG..192002...	KG	STOCK	PRICELIST on
	W	L					
MCCBM2N	2,0	20		GELCG..192002...	0,030	●	
MCCBM3N	3,0	25		GELCG..193002...	0,040	●	
MCCBM4N	4,0	30		GELCG..234002...	0,050	●	



FRESE PER SCANALATURE E TAGLIO _ SCHEIBENFRÄSER _ GROOVING AND CUT OFF MILLS

MILLING

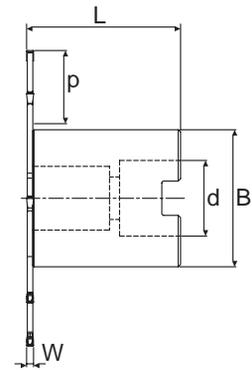
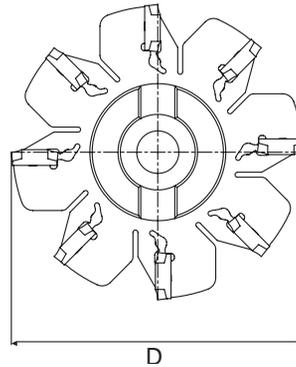
MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING



MCDM	↔ (mm)								GELCG..192002	KG	STOCK	PRICELIST on
	∅ D	L	W	p	∅ B	d	Z					
MCDM 08020 Z4 ST *	80	39,9	2,0	25	29	M16	4		0,250	--	●	
MCDM 10020 Z6 SA	100	51,9	2,0	28	40		6	GELCG..192002	0,700	--	●	
MCDM 12520 Z8 SA	125	51,9	2,0	36	48		8		1,250	--	●	
MCDM 16020 Z10 SA	160	64,9	2,0	39	80		10		2,500	--	●	
MCDM 08030 Z4 ST *	80	40,7	3,0	25	29	M16	4		0,250	--	●	
MCDM 10030 Z6 SA	100	52,7	3,0	28	40		6	GELCG..193002	0,700	--	●	
MCDM 12530 Z8 SA	125	52,7	3,0	36	48		8		1,300	--	●	
MCDM 16030 Z10 SA	160	65,7	3,0	39	80		10		2,550	--	●	
MCDM 12540 Z6 SA	125	53,5	4,0	37,5	48		6	GELCG..234002	1,350	--	●	
MCDM 16040 Z8 SA	160	66,5	4,0	39	80		8		2,650	--	●	

* Gambo filettato _ Schaftausführung Gewinde _ Threaded shank

INSERTI _ WECHSELPLATTEN _ INSERTS

Inserto unico per tutto il programma _ Ein Wendplatte fuer gesamtes Programm _ One insert for whole programme

CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)		TAGLIANTI Schneide Cutting edge	DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated				CERMET		
		W	r			K15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99
MCLCGS		2,0	0,2	1	MCLCGS 192002	●				●	●				
		3,0	0,2	1	MCLCGS 193002	●				●	●				
		4,0	0,2	1	MCLCGS 234002	●				●	●				
MCLCGD		2,0	0,2	2	GELCGD 192002	●				●	●				
		3,0	0,2	2	GELCGD 193002	●				●	●				
		4,0	0,2	2	GELCGD 234002	●				●	●				

MC KEY

Chiave _ Schlüssel _ Spanner

PRICELIST on



Chiave non inclusa. Da ordinare separatamente.
Schlüssel nicht eingeschlossen. Separat bestellen.
Key not included. To be ordered separately.

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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MC DRILLS



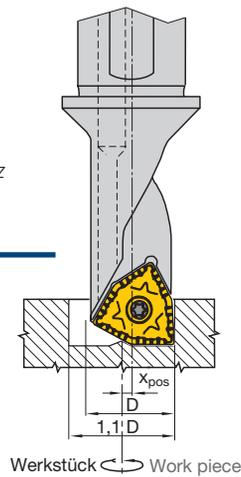
PUNTE AD INSERTI MULTIFUNZIONE MULTIFUNKTION WENDEPLATTENVOLLBOHRER _ MULTI-FUNCTION INDEXABLE INSERT DRILLING TOOL

Technische Hinweise _ Technical hints

Nebenschneide einsetzbar
Secondary cutting edge can be used

Weitere Konstruktionsmerkmale und Vorteile
Additional features and application possibilities

Bohren ins Volle außer der Mitte, positiver Versatz
Drilling off center, positive offset



X_{pos} : Versatz aus der Mitte positiv
Offset, positive

D : Nenndurchmesser Werkzeug
Nominal tool diameter

Acciaio Stahl
Steel

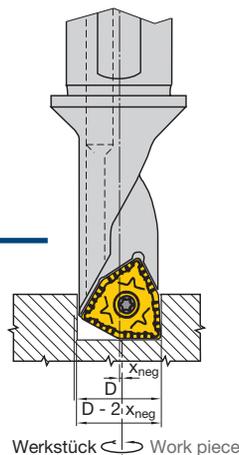
$$X_{pos} = \frac{(1,1 \times D) - D}{2}$$

Alluminio Aluminium
Aluminium

$$X_{pos} = \frac{(1,5 \times D) - D}{2}$$

Werkzeug Tool 2,25D/1,50D	D	Acciaio Stahl Steel		Alluminio Aluminium Aluminium	
		D _{max}	x _{pos}	D _{max}	x _{pos}
PTR/L 08 -x,xxD- 04	08H13	8,8	0,40	12,0	2,00
PTR/L 10 -x,xxD- 05	10H13	11,0	0,50	15,0	2,50
PTR/L 11 -x,xxD- 06	11H13	12,1	0,55	16,5	2,75
PTR/L 15 -x,xxD- 07	15H13	16,5	0,75	22,5	3,75
PTR/L 18 -x,xxD- 09	18H13	19,8	0,90	27,0	4,50
PTR/L 20 -x,xxD- 10	20H13	22,0	1,00	30,0	5,00
PTR/L 26 -x,xxD- 13	26H13	28,6	1,30	39,0	6,50

Bohren ins Volle außer der Mitte, negativer Versatz
Drilling off center, negative offset



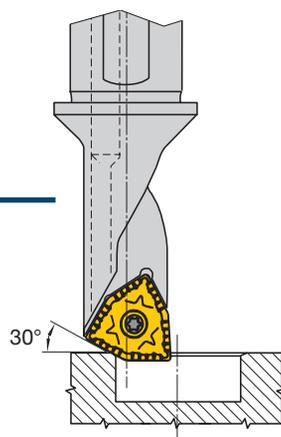
X_{neg} : Versatz aus der Mitte negativ
Offset, negative

D : Nenndurchmesser Werkzeug
Nominal tool diameter

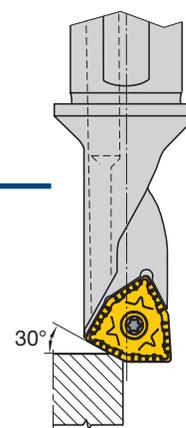
$$X_{neg} = \frac{D_{min} - D}{2}$$

Werkzeug Tool 2,25D/1,50D	D	D _{min}	x _{neg}
PTR/L 08 -x,xxD- 04	08H13	7,8	0,10
PTR/L 10 -x,xxD- 05	10H13	9,8	0,10
PTR/L 11 -x,xxD- 06	11H13	10,8	0,10
PTR/L 15 -x,xxD- 07	15H13	14,7	0,15
PTR/L 18 -x,xxD- 09	18H13	17,7	0,15
PTR/L 20 -x,xxD- 10	20H13	19,7	0,15
PTR/L 26 -x,xxD- 13	26H13	25,7	0,15

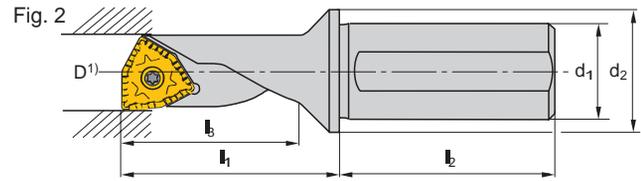
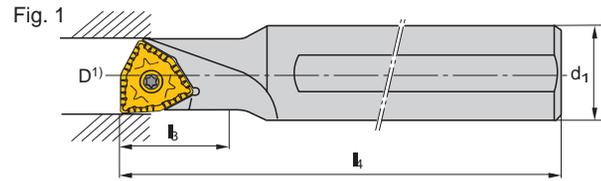
Anfasen innen
Internal chamfering



Anfasen außen
External chamfering



PUNTE AD INSERTI MULTIFUNZIONE MULTIFUNKTION WENDEPLATTENVOLLBOHRER _ MULTI-FUNCTION INDEXABLE INSERT DRILLING TOOL



PTR/L	Fig	D ¹⁾	↔ (mm)						✱	KG	🔩	STOCK	PRICELIST on
			d1	d2	l1	l2	l3	l4					
PTR/L 08 - 1,50D-04	1	8	12	-	-	-	12,0	80	WCHX 04...	0,030	💧	●	
PTR/L 08 - 2,25D-04	2	8	10	12	22,5	38	18,0	-		0,050	💧	●	
PTR/L 10 - 1,50D-05	1	10	12	-	-	-	15,0	90	WCHX 05...	0,040	💧	●	
PTR/L 10 - 2,25D-05	2	10	12	16	28	42	22,5	-		0,060	💧	●	
PTR/L 11 - 1,50D-06	1	11	16	-	-	-	16,5	100	WCHX 06...	0,080	💧	●	
PTR/L 11 - 2,25D-06	2	11	16	20	32	45	24,75	-		0,130	💧	●	
PTR/L 15 - 1,50D-07	1	15	20	-	-	-	22,5	125	WCHX 07...	0,150	💧	●	
PTR/L 15 - 2,25D-07	2	15	20	25	43	50	33,75	-		0,240	💧	●	
PTR/L 18 - 1,50D-09	1	18	25	-	-	-	27,0	135	WCHX 09...	0,280	💧	●	
PTR/L 18 - 2,25D-09	2	18	25	32	53	56	40,5	-		0,400	💧	●	
PTR/L 20 - 1,50D-10	1	20	25	-	-	-	30,0	150	WCHX 10...	0,290	💧	●	
PTR/L 20 - 2,25D-10	2	20	25	32	56	56	45,0	-		0,460	💧	●	
PTR/L 26 - 1,50D-13	1	26	32	-	-	-	39,0	180	WCHX 13...	0,570	💧	●	
PTR/L 26 - 2,25D-13	2	26	32	40	73	60	58,5	-		0,910	💧	●	

RICAMBI _ Ersatzteile _ Spare parts

PTR/L	🔩	🔩	Torx Torx Torx	Momento torsione Anzugsmoment Torque [Ncm]
PTR/L 08	A02-20033	V04-T0600	06	62
PTR/L 10	A13-25042	V04-T0800	08	128
PTR/L 11	A13-25050	V04-T0800	08	128
PTR/L 15	A13-30073	V04-T0800	08	180
PTR/L 18	A02-35082	V04-T1500	15	345
PTR/L 20	A06-50088	V04-T2000	20	1020
PTR/L 26	A02-60120	V04-T2500	25	1750

INSERTI _ Wendepplatten _ Inserts

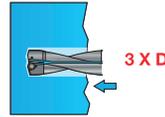
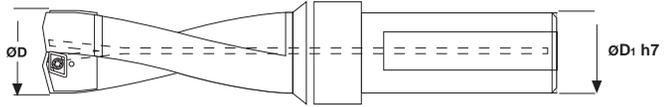
P300

K400

K15



PUNTE AD INSERTI _ WENDEPLATTENVOLLBOHRER _ INDEXABLE INSERT DRILLING-TOOLS



TDXP - 3 X D	↔ (mm)					XPMT	BFTX	BT	KG	STOCK	PRICELIST on
	Ød	ØD1	LT	L1	L2						
TDXP 140-30 R	14	20	104	43	60				0,380	●	
TDXP 150-30 R	15	20	107	46	63	XPMT 042004...	BFTX 01604N	BT06	0,380	●	
TDXP 160-30 R	16	20	110	49	66				0,380	●	
TDXP 170-30 R	17	20	113	52	69	XPMT 052804...	BFTX 0204N		0,380	●	
TDXP 180-30 R	18	20	116	55	72				0,380	●	
TDXP 190-30 R	19	25	134	58	78				0,380	●	
TDXP 200-30 R	20	25	137	61	81	XPMT 063306...	BFTX 02206N	BT07	0,390	●	
TDXP 210-30 R	21	25	140	64	84				0,410	●	
TDXP 220-30 R	22	25	143	67	87				0,410	●	
TDXP 230-30 R	23	25	146	70	90				0,420	●	
TDXP 240-30 R	24	25	149	73	93				0,420	●	
TDXP 250-30 R	25	25	152	76	96	XPMT 074006...	BFTX 02506N	BT08	0,460	●	
TDXP 260-30 R	26	25	155	79	99				0,480	●	
TDXP 270-30 R	27	25	158	82	102				0,500	●	
TDXP 280-30 R	28	25	161	85	105				0,530	●	
TDXP 290-30 R	29	32	170	88	110				0,550	●	
TDXP 300-30 R	30	32	173	91	113				0,850	●	
TDXP 310-30 R	31	32	176	94	116				0,870	●	
TDXP 320-30 R	32	32	179	97	119	XPMT 094508...	BFTX 03584	BT15	0,880	●	
TDXP 330-30 R	33	32	182	100	122				0,910	●	
TDXP 340-30 R	34	32	185	103	125				0,950	●	
TDXP 350-30 R	35	32	188	106	128				0,980	●	
TDXP 360-30 R	36	32	191	109	131				1,020	●	
TDXP 370-30 R	37	32	194	112	134				1,060	●	
TDXP 380-30 R	38	32	197	115	137				1,090	●	
TDXP 390-30 R	39	32	200	118	140				1,130	●	
TDXP 400-30 R	40	32	203	121	143				1,180	●	
TDXP 410-30 R	41	32	206	124	146	XPMT 125812...	BFTX 0511N	BT20	1,230	●	
TDXP 420-30 R	42	40	220	127	150				1,270	●	
TDXP 430-30 R	43	40	223	130	153				1,310	●	
TDXP 440-30 R	44	40	226	133	156				1,350	●	
TDXP 450-30 R	45	40	229	136	159				1,910	●	
TDXP 460-30 R	46	40	240	139	170				1,930	●	
TDXP 470-30 R	47	40	243	141	173				2,020	●	
TDXP 480-30 R	48	40	246	144	176				2,090	●	
TDXP 490-30 R	49	40	249	147	179				2,120	●	
TDXP 500-30 R	50	40	252	150	182	XPMT 156812...	BFTX 0615N	BT25	2,220	●	
TDXP 510-30 R	51	40	255	153	185				2,270	●	
TDXP 520-30 R	52	40	258	156	188				2,320	●	
TDXP 530-30 R	53	40	261	159	191				2,520	●	
TDXP 540-30 R	54	40	264	162	194				2,570	●	
TDXP 550-30 R	55	40	267	165	197				2,820	●	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



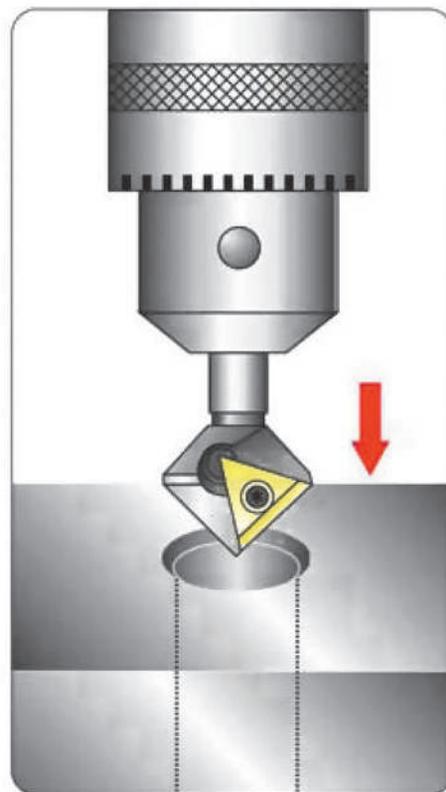
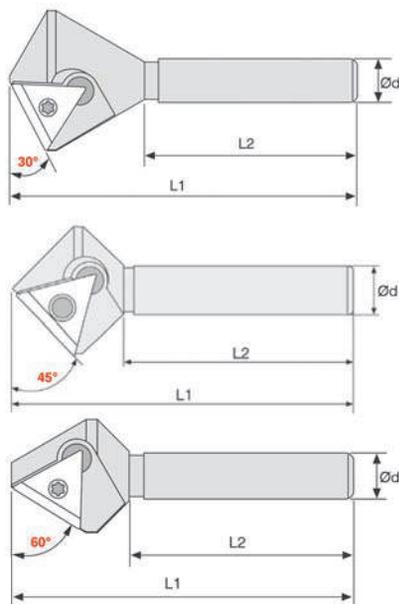
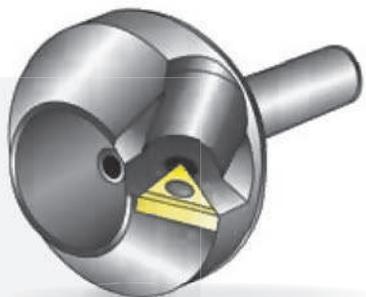
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MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOLS
GROOVING
MC DRILLS

NICECUT



SVASATORI AD INSERTO INTERCAMBIABILE FASFRÄSER FÜR ABSCHRÄGUNG _ MILLING CUTTERS FOR CHAMFERING FLARIN



MENTRUBE	Angolo Winwel Angle	↔ (mm)		L1	L2	Ød					STOCK	PRICELIST on
		MIN Ø	MAX Ø									
BM3029T	30°	6	29	74	45	10	TM32 GUR... TM32 GSR...	M - 1	MA - 1	0,110	○	
BM4524T	45°	5	24	67	45	10				0,070	○	
BM4538T	45°	19	38	75	50	12				0,230	○	
BM4552T	45°	33	52	80	55	13				0,410	○	
BM4566T	45°	47	66	80	55	13				0,660	○	
BM6021T	60°	7	21	69	45	10				0,070	○	

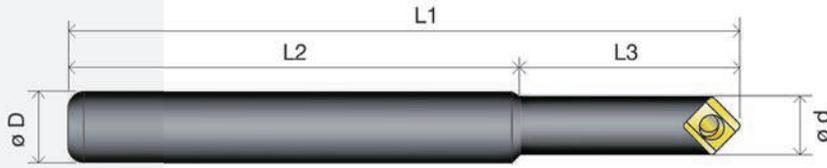


	FIG.	NR. TAGLIENTI SCHNITTKANTEN NO. OF CORNERS
TM32 GUR HSS...	1	2
TM32 GSR HSS...	2	6

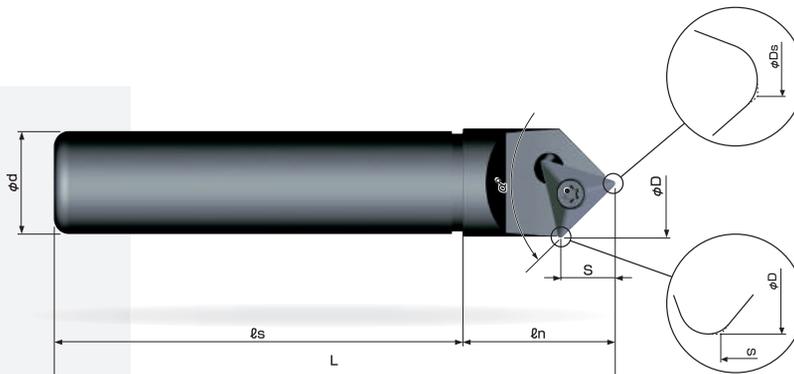
VELOCITÀ CONSIGLIATE_SCHNITTDATEN RECOMMENDED SPEED

	MIN Ø	MAX Ø	RPM
BM3029T	6	29	500-350
BM4524T	5	24	500-350
BM4538T	19	38	350-200
BM4552T	33	52	200-150
BM4566T	47	68	150-100
BM6021T	7	21	500-350

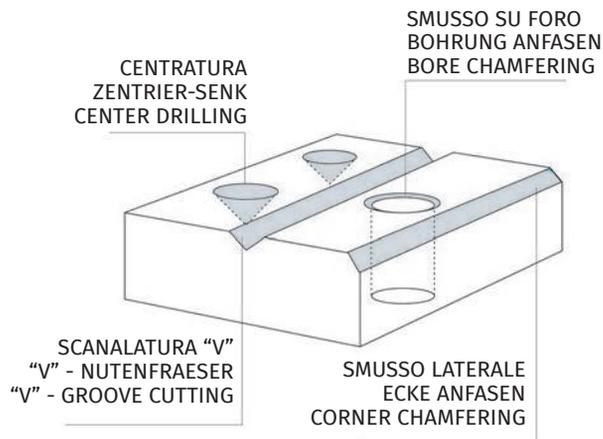
FRESE PER SMUSSI, SCANALATURE A V E CENTRARE ZENTRIER-, SENK-, UND ANFASWERKZEUG _ CENTER DRILLING, CHAMFERING AND V-GROOVING



MOMIMEN	Angolo Winwel Angle	↔ (mm)							MIN Ø	MAX Ø	C22 GUX...	L-13	N-5	KG	STOCK	PRICELIST on
		L1	L2	L3	Ø D	Ø d	Ø	Ø								
SCM1045C	90°	105	72	33	10	8	0,6	8					0,070	○		
SCM1045CL	90°	165	132	33	10	8	0,6	8					0,120	○		
SC1245C	90°	110	82	28	12	13	0,6	13					0,110	○		
SC1645C	90°	110	82	28	16	13	0,6	13	C32 GUX...	L-6	K-3		0,180	○		
SC1630C	118°	110	82	28	16	16	0,6	16					0,130	○		
SC1660DS	60°	150	95	55	16	12	0,6	12	DCET 11X304...	L-15	N-6		0,170	○		

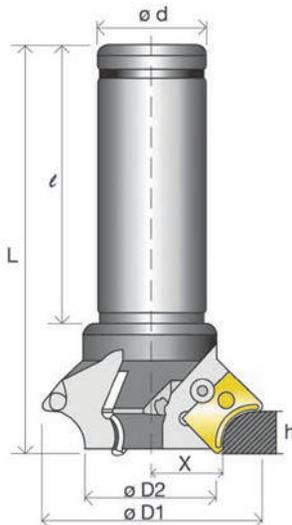


MOMIMEN	↔ (mm)								α°	TXMT 080206...	L-18	N-4	KG	STOCK	PRICELIST on
	Ø D	Ø Ds	Ø d	L	ls	ln	S	α°							
EMS1045T	10,3	0,88	10	95	80	15	4,7	90°					0,100	○	
EMM1245T	14,2	0,88	12	100	80	20	6,7	90°	TXMT 110306...	L-13	N-5		0,120	○	
EML2045T	22	0,88	20	110	80	30	10,5	90°	TXMT 16T306...	L-15	N-7		0,200	○	
EMD3245T	37,1	1,2	32	150	110	40	18	90°	TXMT 270506...	L-16	BT20		0,250	○	



FRESE AD INSERTI PER RAGGI CONVESSI

RADIEN ANFRÄSER MIT WENDEPLATTEN _ CINDEXABLE ROUND CHAMFERING MILLING-CUTTERS



RICAMBI - ERSATZTEILE - SPARE PARTS



CL1-S



L-12

R-NUBOR	↔ (mm)						KG	STOCK	PRICELIST on
	Z	ø D1	ø D2	ø d	L	l			
NK32-70R	3	70	42	32	130	90	1,000	○	
NK32-70RL200	3	70	42	32	200	150	1,000	○	
NK25-10R	1	35	8,9	25	120	80	0,600	○	



	Z	R	X	h
N54GCR-5R NK2020	5	22,78	6,79	
N54GCR-8R NK2020	8	22,8	9,63	
N54GCR-10R NK2020	10	22,7	11,76	
N54GCR-6R NK2020	6	22,8	6,8	
N54GCR-7R NK2020	7	22,8	9,7	
N54GCR-9R NK2020	9	22,7	11,5	

PARAMETRI DI LAVORO - CUTTING DATAS

MATERIAL	RPM	FEED
STEEL	1200 ~ 2000	200 ~ 400 mm/1'
CAST IRON	900 ~ 1200	150 ~ 300 mm/1'
ALU	1500 ~ 3000	300 ~ 500 mm/1'



RICAMBI - ERSATZTEILE - SPARE PARTS



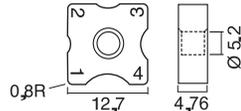
CL1-S (05R)



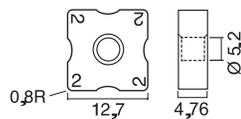
L-14 (05R)



N43GXR8 / NK2020



N43GXR8 ■ 1R
N43GXR8 ■ 2R
N43GXR8 ■ 3R
N43GXR8 ■ 4R
N43GXR8 ■ 5R



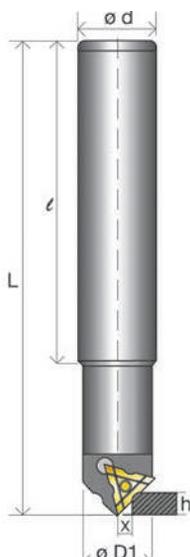
R-NUBOR	↔ (mm)						KG	STOCK	PRICELIST on
	Z	ø D1	ø D2	ø d	L	l			
NK25-05R	1	26	-	25	130	90	0,420	○	
NK20-40R-2	2	56	39,3	20	115	85	0,480	○	
NK32-40R-3	3	56	39,3	32	115	85	1,000	○	



	Z	R	X	h
N43GXR8-1R NK2020	1	23,27	4,66	
N43GXR8-2R NK2020	2	22,77	5,07	
N43GXR8-3R NK2020	3	22,27	5,58	
N43GXR8-4R NK2020	4	21,81	6,08	
N43GXR8-5R NK2020	5	21,2	6,5	
N43GXR8 NK2020	1-2-3-4	21,81	6,08	

PARAMETRI DI LAVORO - CUTTING DATAS

MATERIAL	RPM	FEED
STEEL	1500 ~ 2500	300 ~ 500 mm/1'
CAST IRON	1100 ~ 1500	150 ~ 300 mm/1'
ALU	1700 ~ 3500	300 ~ 500 mm/1'



RICAMBI - ERSATZTEILE - SPARE PARTS



L-6

R-NUBOR	↔ (mm)						KG	STOCK	PRICELIST on
	Z	ø D1	ø D2	ø d	L	l			
CR25-05T	1	25	-	25	150	100	0,530	○	



	Z	R	X	h
T32GSR-1R NK2020	1	6,52	6,02	
T32GSR-2R NK2020	2	6,05	6,53	
T32GSR-3R NK2020	3	5,61	7,01	

PARAMETRI DI LAVORO - CUTTING DATAS

MATERIAL	RPM	FEED
STEEL	2500 ~ 400	200 ~ 400 mm/1'
CAST IRON	1800 ~ 3000	150 ~ 300 mm/1'
ALU	3000 ~ 5000	300 ~ 600 mm/1'

UTENSILI AD INSERTI PER RAGGI CONVESSI
RADIEN WERKZEUG MIT WENDEPLATTEN _ INDEXABLE ROUND CORNER CHAMFERING TOOL

MILLING

MINIMILL

MOULDMILL

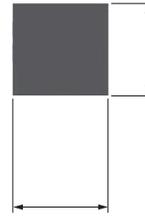
MICROTOOLS
AMS

MINITOOLS

GROOVING

MC DRILLS

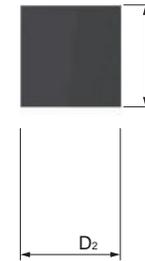
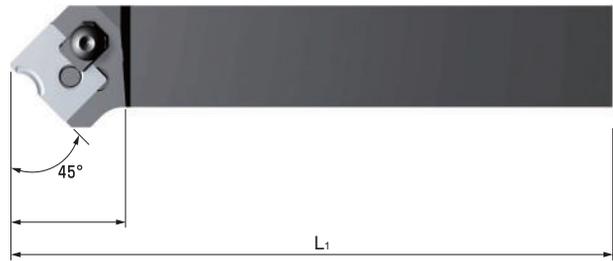
NICECUT



**R-BIT
20XR**

↔ (mm)

D1	D2	L1	Z					STOCK	PRICELIST on
R-BIT 20XR	19	20	126	1	N43GXR	L-12	K-4	--	O



**10R-BIT
25CR**

↔ (mm)

D1	D2	L1	L2	Z						STOCK	PRICELIST on
10R-BIT 25CR	25	25	150	30	1	N54GCR	CL-1S	L-12	K-3 K-4	--	O

● Disponibile - Lieferbar - On stock

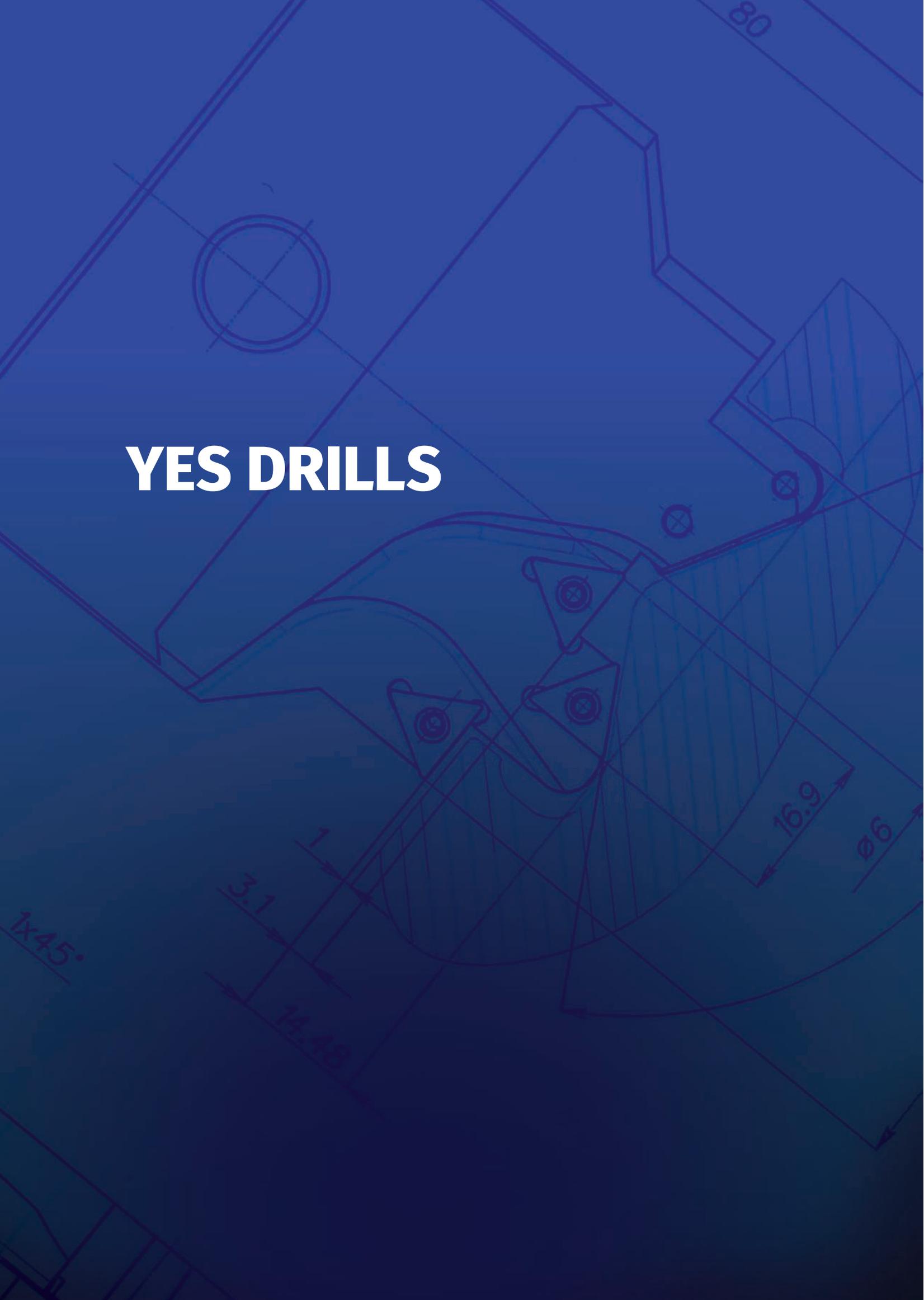
○ A richiesta - Auf Anfrage - On request

2023/24



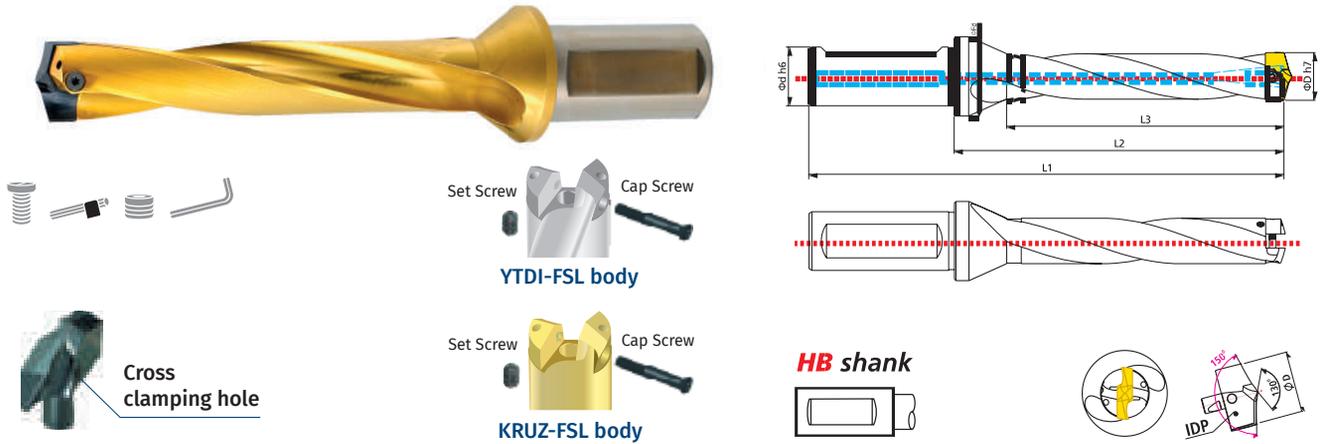
105

YES DRILLS



MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS

KRUZ-FSL, YTDI-FSL Flange body & Carbide insert



IDP Affilature \ ricoperture specifiche +30% _ IDP Besondere Schlifflungen \ Beschichtungen +30%_ IDP Specific grindings \ coatings +30%

KRUZ-FSL/YTDI-FSL Please make required cutting depth in the □ like T, P, H, L

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	Pricelist on request	STOCK	Pricelist on request					
ø 8.0 ~ø 8.4	YTDI 080 □ FSL KRUZ 080 □ FSL	10,0 (HA)	T (3xD)	87	42	32	18	●	○	● IDP 080 ● IDP 081 ● IDP 082 ● IDP 083 ● IDP 084	CS 080-085 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	103	58	48		●	○							
			H (7xD)	119	74	64		●	○							
ø 8.5 ~ø 8.9	YTDI 085 □ FSL KRUZ 085 □ FSL	10,0 (HA)	T (3xD)	89	44	34	18	●	○	● IDP 085 ● IDP 086 ● IDP 087 ● IDP 088 ● IDP 089	CS 080-085 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	106	61	51		●	○							
			H (7xD)	123	78	68		●	○							
ø 9.0 ~ø 9.4	YTDI 090 □ FSL KRUZ 090 □ FSL	10,0 (HA)	T (3xD)	92	47	36	18	●	○	● IDP 090 ● IDP 091 ● IDP 092 ● IDP 093 ● IDP 094	CS 090-095 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	110	65	54		●	○							
			H (7xD)	128	83	72		●	○							
ø 9.5 ~ø 9.9	YTDI 095 □ FSL KRUZ 095 □ FSL	12,0 (HA)	T (3xD)	97	49	38	18	●	○	● IDP 095 ● IDP 096 ● IDP 097 ● IDP 098 ● IDP 099	CS 090-095 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	116	68	57		●	○							
			H (7xD)	135	87	76		●	○							
ø 10.0 ~ø 10.4	YTDI 100 □ FSL KRUZ 100 □ FSL	12,0 (HA)	T (3xD)	99	51	40	18	●	○	● IDP 100 ● IDP 101 ● IDP 102 ● IDP 103 ● IDP 104	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	119	71	60		●	○							
			H (7xD)	139	91	80		●	○							
ø 10.5 ~ø 10.9	YTDI 105 □ FSL KRUZ 105 □ FSL	12,0 (HA)	T (3xD)	102	54	42	18	●	○	● IDP 105 ● IDP 106 ● IDP 107 ● IDP 108 ● IDP 109	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	123	75	63		●	○							
			H (7xD)	144	96	84		●	○							
ø 11.0 ~ø 11.4	YTDI 110 □ FSL KRUZ 110 □ FSL	12,0 (HA)	T (3xD)	104	56	44	18	●	○	● IDP 110 ● IDP 111 ● IDP 112 ● IDP 113 ● IDP 114	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	126	78	66		●	○							
			H (7xD)	148	100	88		●	○							
ø 11.5 ~ø 11.9	YTDI 115 □ FSL KRUZ 115 □ FSL	12,0 (HA)	T (3xD)	107	59	46	18	●	○	● IDP 115 ● IDP 116 ● IDP 117 ● IDP 118 ● IDP 119	CS 100-115 SL	T6 Torque 0,6Nm (Max)	-	-		
			P (5xD)	130	82	69		●	○							
			H (7xD)	153	105	92		●	○							
ø 12.0 ~ø 12.4	YTDI 120 □ FSL KRUZ 120 □ FSL	16,0	T (3xD)	109	61	48	21	●	○	● IDP 120 ● IDP 121 ● IDP 122 ● IDP 123 ● IDP 124	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M 2.5x4	1.3 mm		
			P (5xD)	133	85	72		●	○							
			H (7xD)	157	109	96		●	○							
			L (10XD)	193	145	132		○								

KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (∅d)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (∅Fd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	Pricelist on request	STOCK	Pricelist on request					
∅ 12.5 ~∅ 12.9	YTDI 125 □ FSL KRUZ 125 □ FSL	16.0	T (3xD)	111	63	50	21	●	○	● IDP 125 ● IDP 126 ● IDP 127 ● IDP 128 ● IDP 129	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	136	88	75		●	○							
			H (7xD)	161	113	100		●	○							
			L (10XD)	199	151	138		○	○							
∅ 13.0 ~∅ 13.4	YTDI 130 □ FSL KRUZ 130 □ FSL	16.0	T (3xD)	114	66	52	21	●	○	● IDP 130 ● IDP 131 ● IDP 132 ● IDP 133 ● IDP 134	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	140	92	78		●	○							
			H (7xD)	166	118	104		●	○							
			L (10XD)	205	157	143		○	○							
∅ 13.5 ~∅ 13.9	YTDI 135 □ FSL KRUZ 135 □ FSL	16.0	T (3xD)	116	68	54	21	●	○	● IDP 135 ● IDP 136 ● IDP 137 ● IDP 138 ● IDP 139	CS 120-135 SL	T6 Torque 0,6Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	143	95	81		●	○							
			H (7xD)	170	122	108		●	○							
			L (10XD)	211	163	149		○	○							
∅ 14.0 ~∅ 14.4	YTDI 140 □ FSL KRUZ 140 □ FSL	16.0	T (3xD)	119	71	56	21	●	○	● IDP 140 ● IDP 141 ● IDP 142 ● IDP 143 ● IDP 144	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	147	99	84		●	○							
			H (7xD)	175	127	112		●	○							
			L (10XD)	217	169	154		○	○							
∅ 14.5 ~∅ 14.9	YTDI 145 □ FSL KRUZ 145 □ FSL	20.0	T (3xD)	123	73	58	27	●	○	● IDP 145 ● IDP 146 ● IDP 147 ● IDP 148 ● IDP 149	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	152	102	87		●	○							
			H (7xD)	181	131	116		●	○							
			L (10XD)	225	175	160		○	○							
∅ 15.0 ~∅ 15.4	YTDI 150 □ FSL KRUZ 150 □ FSL	20.0	T (3xD)	127	77	60	27	●	○	● IDP 150 ● IDP 151 ● IDP 152 ● IDP 153 ● IDP 154	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	157	107	90		●	○							
			H (7xD)	187	137	120		●	○							
			L (10XD)	232	182	165		○	○							
∅ 15.5 ~∅ 15.9	YTDI 155 □ FSL KRUZ 155 □ FSL	20.0	T (3xD)	130	80	62	27	●	○	● IDP 155 ● IDP 156 ● IDP 157 ● IDP 158 ● IDP 159	CS 140-155 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	161	111	93		●	○							
			H (7xD)	192	142	124		●	○							
			L (10XD)	239	189	171		○	○							
∅ 16.0 ~∅ 16.4	YTDI 160 □ FSL KRUZ 160 □ FSL	20.0	T (3xD)	132	82	64	27	●	○	● IDP 160 ● IDP 161 ● IDP 162 ● IDP 163 ● IDP 164	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	164	114	96		●	○							
			H (7xD)	196	146	128		●	○							
			L (10XD)	244	194	176		○	○							
∅ 16.5 ~∅ 16.9	YTDI 165 □ FSL KRUZ 165 □ FSL	20.0	T (3xD)	135	85	66	27	●	○	● IDP 165 ● IDP 166 ● IDP 167 ● IDP 168 ● IDP 169	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	168	118	99		●	○							
			H (7xD)	201	151	132		●	○							
			L (10XD)	251	201	182		○	○							
∅ 17.0 ~∅ 17.4	YTDI 170 □ FSL KRUZ 170 □ FSL	20.0	T (3xD)	137	87	68	27	●	○	● IDP 170 ● IDP 171 ● IDP 172 ● IDP 173 ● IDP 174	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	171	121	102		●	○							
			H (7xD)	205	155	136		●	○							
			L (10XD)	256	206	187		○	○							
∅ 17.5 ~∅ 17.9	YTDI 175 □ FSL KRUZ 175 □ FSL	20.0	T (3xD)	139	89	70	27	●	○	● IDP 175 ● IDP 176 ● IDP 177 ● IDP 178 ● IDP 179	CS 160-175 SL	T7 Torque 0,9Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	174	124	105		●	○							
			H (7xD)	209	159	140		●	○							
			L (10XD)	262	212	193		○	○							
∅ 18.0 ~∅ 18.4	YTDI 180 □ FSL KRUZ 180 □ FSL	20.0	T (3xD)	142	92	72	27	●	○	● IDP 180 ● IDP 181 ● IDP 182 ● IDP 183 ● IDP 184	CS 180- 195 SL	T8 Torque 1,5Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	178	128	108		●	○							
			H (7xD)	214	164	144		●	○							
			L (10XD)	268	218	198		○	○							
∅ 18.5 ~∅ 18.9	YTDI 185 □ FSL KRUZ 185 □ FSL	20.0	T (3xD)	144	94	74	27	●	○	● IDP 185 ● IDP 186 ● IDP 187 ● IDP 188 ● IDP 189	CS 180- 195 SL	T8 Torque 1,5Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	181	131	111		●	○							
			H (7xD)	218	168	148		●	○							
			L (10XD)	274	224	204		○	○							
∅ 19.0 ~∅ 19.4	YTDI 190 □ FSL KRUZ 190 □ FSL	20.0	T (3xD)	147	97	76	27	●	○	● IDP 190 ● IDP 191 ● IDP 192 ● IDP 193 ● IDP 194	CS 180- 195 SL	T8 Torque 1,5Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	185	135	114		●	○							
			H (7xD)	223	173	152		●	○							
			L (10XD)	280	230	209		○	○							
∅ 19.5 ~∅ 19.9	YTDI 195 □ FSL KRUZ 195 □ FSL	20.0	T (3xD)	149	99	78	27	●	○	● IDP 195 ● IDP 196 ● IDP 197 ● IDP 198 ● IDP 199	CS 180- 195 SL	T8 Torque 1,5Nm (Max)	M	2.5x4	1.3 mm	
			P (5xD)	188	138	117		●	○							
			H (7xD)	227	177	156		●	○							
			L (10XD)	286	236	215		○	○							
∅ 20.0 ~∅ 20.4	YTDI 200 □ FSL KRUZ 200 □ FSL	25.0	T (3xD)	157	101	80	32	●	○	● IDP 200 ○ IDP 201 ○ IDP 202 ○ IDP 203 ○ IDP 204	CS 200- 215 SL	T8 Torque 1,5Nm (Max)	M	3x6	1.5 mm	
			P (5xD)	197	141	120		●	○							
			H (7xD)	237	181	160		●	○							
			L (10XD)	297	241	220		○	○							

● Disponibile - Lieferbar - On stock ○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES

GROOVING

MC DRILLS

NICECUT

YES DRILLS

KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	Pricelist on request	STOCK	Pricelist on request					
Ø 20.5 ~Ø 20.9	YTDI 205 □ FSL KRUZ 205 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	160	104	82	32	●	○	●	○	● IDP 205 ○ IDP 206 ○ IDP 207 ○ IDP 208 ○ IDP 209	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				201	145	123		○	○							
				242	186	164		○	○							
				304	248	226		○	○							
Ø 21.0 ~Ø 21.4	YTDI 210 □ FSL KRUZ 210 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	162	106	84	32	●	○	●	○	● IDP 210 ○ IDP 211 ○ IDP 212 ○ IDP 213 ○ IDP 214	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				204	148	126		○	○							
				246	190	168		○	○							
				309	253	231		○	○							
Ø 21.5 ~Ø 21.9	YTDI 215 □ FSL KRUZ 215 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	165	109	86	32	●	○	●	○	● IDP 215 ○ IDP 216 ○ IDP 217 ○ IDP 218 ○ IDP 219	CS 200-215 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				208	152	129		○	○							
				251	195	172		○	○							
				316	260	237		○	○							
Ø 22.0 ~Ø 22.4	YTDI 220 □ FSL KRUZ 220 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	167	111	88	32	●	○	●	○	● IDP 220 ○ IDP 221 ○ IDP 222 ○ IDP 223 ○ IDP 224	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				211	155	132		○	○							
				255	199	176		○	○							
				321	265	242		○	○							
Ø 22.5 ~Ø 22.9	YTDI 225 □ FSL KRUZ 225 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	169	113	90	32	●	○	●	○	● IDP 225 ○ IDP 226 ○ IDP 227 ○ IDP 228 ○ IDP 229	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				214	158	135		○	○							
				259	203	180		○	○							
				327	271	248		○	○							
Ø 23.0 ~Ø 23.4	YTDI 230 □ FSL KRUZ 230 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	172	116	92	32	●	○	●	○	● IDP 230 ○ IDP 231 ○ IDP 232 ○ IDP 233 ○ IDP 234	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				218	162	138		○	○							
				264	208	184		○	○							
				333	277	253		○	○							
Ø 23.5 ~Ø 23.9	YTDI 235 □ FSL KRUZ 235 □ FSL	25.0	T (3xD) P (5xD) H (7xD) L (10XD)	174	118	94	32	●	○	●	○	● IDP 235 ○ IDP 236 ○ IDP 237 ○ IDP 238 ○ IDP 239	CS 220-235 SL	T8 Torque 1.5Nm (Max)	M 3x6	1.5 mm
				221	165	141		○	○							
				268	212	188		○	○							
				339	283	259		○	○							
Ø 24.0 ~Ø 24.4	YTDI 240 □ FSL KRUZ 240 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	181	121	96	39	●	○	●	○	● IDP 240 ○ IDP 241 ○ IDP 242 ○ IDP 243 ○ IDP 244	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				229	169	144		○	○							
				277	217	192		○	○							
				349	289	264		○	○							
Ø 24.5 ~Ø 24.9	YTDI 245 □ FSL KRUZ 245 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	183	123	98	39	●	○	●	○	● IDP 245 ○ IDP 246 ○ IDP 247 ○ IDP 248 ○ IDP 249	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				232	172	147		○	○							
				281	221	196		○	○							
				355	295	270		○	○							
Ø 25.0 ~Ø 25.4	YTDI 250 □ FSL KRUZ 250 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	185	125	100	39	●	○	●	○	● IDP 250 ○ IDP 251 ○ IDP 252 ○ IDP 253 ○ IDP 254	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				235	175	150		○	○							
				285	225	200		○	○							
				360	300	275		○	○							
Ø 25.5 ~Ø 25.9	YTDI 255 □ FSL KRUZ 255 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	188	128	102	39	●	○	●	○	● IDP 255 ○ IDP 256 ○ IDP 257 ○ IDP 258 ○ IDP 259	CS 240-255 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				239	179	153		○	○							
				290	230	204		○	○							
				367	307	281		○	○							
Ø 26.0 ~Ø 26.4	YTDI 260 □ FSL KRUZ 260 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	190	130	104	39	●	○	●	○	● IDP 260 ○ IDP 261 ○ IDP 262 ○ IDP 263 ○ IDP 264	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				242	182	156		○	○							
				294	234	208		○	○							
				372	312	286		○	○							
Ø 26.5 ~Ø 26.9	YTDI 265 □ FSL KRUZ 265 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	193	133	106	39	●	○	●	○	● IDP 265 ○ IDP 266 ○ IDP 267 ○ IDP 268 ○ IDP 269	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 3x6	1.5 mm
				246	186	159		○	○							
				299	239	212		○	○							
				379	319	292		○	○							
Ø 27.0 ~Ø 27.4	YTDI 270 □ FSL KRUZ 270 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	195	135	108	39	●	○	●	○	● IDP 270 ○ IDP 271 ○ IDP 272 ○ IDP 273 ○ IDP 274	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				249	189	162		○	○							
				303	243	216		○	○							
				384	324	297		○	○							
Ø 27.5 ~Ø 27.9	YTDI 275 □ FSL KRUZ 275 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	197	137	110	39	●	○	●	○	● IDP 275 ○ IDP 276 ○ IDP 277 ○ IDP 278 ○ IDP 279	CS 260-275 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				252	192	165		○	○							
				307	247	220		○	○							
				390	330	303		○	○							
Ø 28.0 ~Ø 28.4	YTDI 280 □ FSL KRUZ 280 □ FSL	32.0	T (3xD) P (5xD) H (7xD) L (10XD)	200	140	112	39	●	○	●	○	● IDP 280 ○ IDP 281 ○ IDP 282 ○ IDP 283 ○ IDP 284	CS 280-295 SL	T15 Torque 3,5Nm (Max)	M 4x8	2.0 mm
				256	196	168		○	○							
				312	252	224		○	○							
				396	336	308		○	○							

KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench
								STOCK	Pricelist on request	STOCK	Pricelist on request					
Ø 28.5 ~Ø 28.9	YTDI 285 □ FSL KRUZ 285 □ FSL	32.0	T (3xD)	202	142	114	39	●	○	● IDP 285 ○ IDP 286 ○ IDP 287 ○ IDP 288 ○ IDP 289	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm		
			P (5xD)	259	199	171		○	○							
			H (7xD)	316	256	228		○	○							
			L (10XD)	402	342	314		○	○							
Ø 29.0 ~Ø 29.4	YTDI 290 □ FSL KRUZ 290 □ FSL	32.0	T (3xD)	205	145	116	39	●	○	● IDP 290 ○ IDP 291 ○ IDP 292 ○ IDP 293 ○ IDP 294	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm		
			P (5xD)	263	203	174		○	○							
			H (7xD)	321	261	232		○	○							
			L (10XD)	408	348	319		○	○							
Ø 29.5 ~Ø 29.9	YTDI 295 □ FSL KRUZ 295 □ FSL	32.0	T (3xD)	207	147	118	39	●	○	● IDP 295 ○ IDP 296 ○ IDP 297 ○ IDP 298 ○ IDP 299	CS 280-295 SL	T15 Torque 3.5Nm (Max)	M 4x8	2.0 mm		
			P (5xD)	266	206	177		○	○							
			H (7xD)	325	265	236		○	○							
			L (10XD)	414	354	325		○	○							
Ø 30.0 ~Ø 30.4	YTDI 300 □ FSL KRUZ 300 □ FSL	32.0	T (3xD)	209	149	120	39	●	○	● IDP 300 ○ IDP 301 ○ IDP 302 ○ IDP 303 ○ IDP 304	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 4x8	2.0 mm		
			P (5xD)	269	209	180		○	○							
			H (7xD)	329	269	240		○	○							
			L (10XD)	419	359	330		○	○							
Ø 30.5 ~Ø 30.9	YTDI 305 □ FSL KRUZ 305 □ FSL	32.0	T (3xD)	212	152	122	39	●	○	○ IDP 305 ○ IDP 306 ○ IDP 307 ○ IDP 308 ○ IDP 309	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 4x8	2.0 mm		
			P (5xD)	273	213	183		○	○							
			H (7xD)	334	274	244		○	○							
			L (10XD)	426	366	336		○	○							
Ø 31.0 ~Ø 31.4	YTDI 310 □ FSL KRUZ 310 □ FSL	32.0	T (3xD)	214	154	124	39	●	○	○ IDP 310 ○ IDP 311 ○ IDP 312 ○ IDP 313 ○ IDP 314	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	276	216	186		○	○							
			H (7xD)	338	278	248		○	○							
			L (10XD)	431	371	341		○	○							
Ø 31.5 ~Ø 31.9	YTDI 315 □ FSL KRUZ 315 □ FSL	32.0	T (3xD)	217	157	126	39	●	○	○ IDP 315 ○ IDP 316 ○ IDP 317 ○ IDP 318 ○ IDP 319	CS 300-315 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	280	220	189		○	○							
			H (7xD)	343	283	252		○	○							
			L (10XD)	438	378	347		○	○							
Ø 32.0 ~Ø 32.4	YTDI 320 □ FSL KRUZ 320 □ FSL	32.0	T (3xD)	219	159	128	39	●	○	○ IDP 320 ○ IDP 321 ○ IDP 322 ○ IDP 323 ○ IDP 324	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	283	223	192		○	○							
			H (7xD)	347	287	256		○	○							
			L (10XD)	443	383	352		○	○							
Ø 32.5 ~Ø 32.9	YTDI 325 □ FSL KRUZ 325 □ FSL	32.0	T (3xD)	221	161	130	39	●	○	○ IDP 325 ○ IDP 326 ○ IDP 327 ○ IDP 328 ○ IDP 329	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	286	226	195		○	○							
			H (7xD)	351	291	260		○	○							
			L (10XD)	449	389	358		○	○							
Ø 33.0 ~Ø 33.4	YTDI 330 □ FSL KRUZ 330 □ FSL	32.0	T (3xD)	224	164	132	39	●	○	○ IDP 330 ○ IDP 331 ○ IDP 332 ○ IDP 333 ○ IDP 334	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	290	230	198		○	○							
			H (7xD)	356	296	264		○	○							
			L (10XD)	455	395	363		○	○							
Ø 33.5 ~Ø 33.9	YTDI 335 □ FSL KRUZ 335 □ FSL	32.0	T (3xD)	226	166	134	39	●	○	○ IDP 335 ○ IDP 336 ○ IDP 337 ○ IDP 338 ○ IDP 339	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	293	233	201		○	○							
			H (7xD)	360	300	268		○	○							
			L (10XD)	461	401	369		○	○							
Ø 34.0 ~Ø 34.4	YTDI 340 □ FSL KRUZ 340 □ FSL	40.0	T (3xD)	239	169	136	55	●	○	○ IDP 340 ○ IDP 341 ○ IDP 342 ○ IDP 343 ○ IDP 344	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	307	237	204		○	○							
			H (7xD)	375	305	272		○	○							
			L (10XD)	477	407	374		○	○							
Ø 34.5 ~Ø 34.9	YTDI 345 □ FSL KRUZ 345 □ FSL	40.0	T (3xD)	241	171	138	55	○	○	○ IDP 345 ○ IDP 346 ○ IDP 347 ○ IDP 348 ○ IDP 349	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	310	240	207		○	○							
			H (7xD)	379	309	276		○	○							
			L (10XD)	483	413	380		○	○							
Ø 35.0 ~Ø 35.4	YTDI 350 □ FSL KRUZ 350 □ FSL	40.0	T (3xD)	243	173	140	55	○	○	○ IDP 350 ○ IDP 351 ○ IDP 352 ○ IDP 353 ○ IDP 354	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	313	243	210		○	○							
			H (7xD)	383	313	280		○	○							
			L (10XD)	488	418	385		○	○							
Ø 35.5 ~Ø 35.9	YTDI 355 □ FSL KRUZ 355 □ FSL	40.0	T (3xD)	246	176	142	55	○	○	○ IDP 355 ○ IDP 356 ○ IDP 357 ○ IDP 358 ○ IDP 359	CS 320-355 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	317	247	213		○	○							
			H (7xD)	388	318	284		○	○							
			L (10XD)	495	425	391		○	○							
Ø 36.0 ~Ø 36.4	YTDI 360 □ FSL KRUZ 360 □ FSL	40.0	T (3xD)	248	178	144	55	○	○	○ IDP 360 ○ IDP 361 ○ IDP 362 ○ IDP 363 ○ IDP 364	CS 360-395 SL	T20 Torque 4.0 Nm (Max)	M 5x10	2.5 mm		
			P (5xD)	320	250	216		○	○							
			H (7xD)	392	322	288		○	○							
			L (10XD)	500	430	396		○	○							

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KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (Ød)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (ØFd)	YTDI		KRUZ		IDP	Cap Screw	Torx driver	Set Screw	L-wrench		
								STOCK	Pricelist on request	STOCK	Pricelist on request							
Ø 36.5 ~Ø 36.9	YTDI 365 □ FSL KRUZ 365 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	251	181	146	55	○		○		○ IDP 365 ○ IDP 366 ○ IDP 367 ○ IDP 368 ○ IDP 369	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				324	254	219		●		○								
				397	327	292		○		○								
				507	347	402		○		○								
Ø 37.0 ~Ø 37.4	YTDI 370 □ FSL KRUZ 370 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	253	183	148	55	○		○		○ IDP 370 ○ IDP 371 ○ IDP 372 ○ IDP 373 ○ IDP 374	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				327	257	222		●		○								
				401	331	296		○		○								
				512	442	407		○		○								
Ø 37.5 ~Ø 37.9	YTDI 375 □ FSL KRUZ 375 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	255	185	150	55	○		○		○ IDP 375 ○ IDP 376 ○ IDP 377 ○ IDP 378 ○ IDP 379	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				330	260	225		●		○								
				405	335	300		○		○								
				518	448	413		○		○								
Ø 38.0 ~Ø 38.4	YTDI 380 □ FSL KRUZ 380 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	258	188	152	55	○		○		○ IDP 380 ○ IDP 381 ○ IDP 382 ○ IDP 383 ○ IDP 384	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				334	264	228		●		○								
				410	340	304		○		○								
				524	454	418		○		○								
Ø 38.5 ~Ø 38.9	YTDI 385 □ FSL KRUZ 385 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	260	196	154	55	○		○		○ IDP 385 ○ IDP 386 ○ IDP 387 ○ IDP 388 ○ IDP 389	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				337	267	231		●		○								
				414	344	308		○		○								
				530	460	424		○		○								
Ø 39.0 ~Ø 39.4	YTDI 390 □ FSL KRUZ 390 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	263	193	156	55	○		○		○ IDP 390 ○ IDP 391 ○ IDP 392 ○ IDP 393 ○ IDP 394	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				341	271	234		●		○								
				419	349	312		○		○								
				536	466	429		○		○								
Ø 39.5 ~Ø 39.9	YTDI 395 □ FSL KRUZ 395 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	265	195	158	55	○		○		○ IDP 395 ○ IDP 396 ○ IDP 397 ○ IDP 398 ○ IDP 399	CS 360-395 SL	T20 Torque 4.0Nm (Max)	M 5x10	2.5 mm		
				344	274	237		●		○								
				423	353	316		○		○								
				542	472	435		○		○								
Ø 40.0 ~Ø 40.4	YTDI 400 □ FSL KRUZ 400 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	267	197	160	55	○		○		○ IDP 400 ○ IDP 401 ○ IDP 402 ○ IDP 403 ○ IDP 404	CS 400-445 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm		
				347	277	240		●		○								
				427	357	320		○		○								
				547	477	440		○		○								
Ø 40.5 ~Ø 40.9	YTDI 405 □ FSL KRUZ 405 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	270	200	162	55	○		○		○ IDP 405 ○ IDP 406 ○ IDP 407 ○ IDP 408 ○ IDP 409	CS 400-445 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm		
				351	281	243		●		○								
				432	362	324		○		○								
				554	484	446		○		○								
Ø 41.0 ~Ø 41.4	YTDI 410 □ FSL KRUZ 410 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	272	202	164	55	○		○		○ IDP 410 ○ IDP 411 ○ IDP 412 ○ IDP 413 ○ IDP 414	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				354	284	246		●		○								
				436	366	328		○		○								
				559	489	451		○		○								
Ø 41.5 ~Ø 41.9	YTDI 415 □ FSL KRUZ 415 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	275	205	166	55	○		○		○ IDP 415 ○ IDP 416 ○ IDP 417 ○ IDP 418 ○ IDP 419	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				358	288	249		●		○								
				441	371	332		○		○								
				566	496	457		○		○								
Ø 42.0 ~Ø 42.4	YTDI 420 □ FSL KRUZ 420 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	277	207	168	55	○		○		○ IDP 420 ○ IDP 421 ○ IDP 422 ○ IDP 423 ○ IDP 424	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				361	291	252		●		○								
				445	375	336		○		○								
				571	501	462		○		○								
Ø 42.5 ~Ø 42.9	YTDI 425 □ FSL KRUZ 425 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	279	209	170	55	○		○		○ IDP 425 ○ IDP 426 ○ IDP 427 ○ IDP 428 ○ IDP 429	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				364	294	255		●		○								
				449	379	340		○		○								
				577	507	468		○		○								
Ø 43.0 ~Ø 43.4	YTDI 430 □ FSL KRUZ 430 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	282	212	172	55	○		○		○ IDP 430 ○ IDP 431 ○ IDP 432 ○ IDP 433 ○ IDP 434	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				368	298	258		●		○								
				454	384	344		○		○								
				583	513	473		○		○								
Ø 43.5 ~Ø 43.9	YTDI 435 □ FSL KRUZ 435 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	284	214	174	55	○		○		○ IDP 435 ○ IDP 436 ○ IDP 437 ○ IDP 438 ○ IDP 439	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				371	301	261		●		○								
				458	388	348		○		○								
				589	519	479		○		○								
Ø 44.0 ~Ø 44.4	YTDI 440 □ FSL KRUZ 440 □ FSL	40.0	T (3xD) P (5xD) H (7xD) L (10XD)	287	217	176	55	○		○		○ IDP 440 ○ IDP 441 ○ IDP 442 ○ IDP 443 ○ IDP 444	CS 400-445 SL	T20 Torque 4.0 Nm (Max)	M 6x12	3.0 mm		
				375	305	264		●		○								
				463	393	352		○		○								
				595	525	484		○		○								

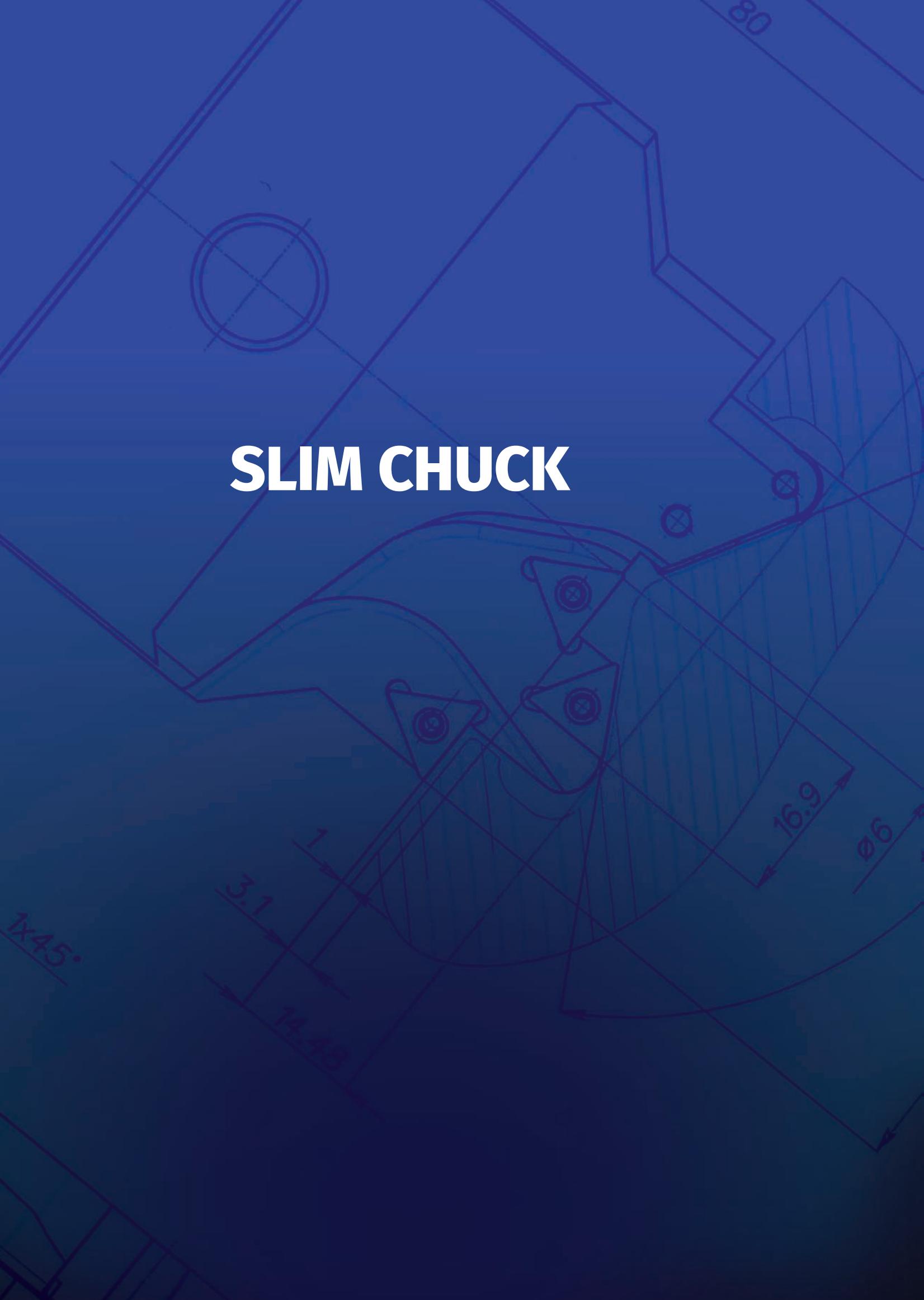
KRUZ-FSL, YTDI-FSL Flange body & Carbide insert

Hole size range	Body Code No.	Shank Size (∅d)	Cutting depth (Length x 40)	L1	L2	L3	Flanged dia. (∅Fd)	YTDI		KRUZ		IDP 	Cap Screw 	Torx driver 	Set Screw 	L-wrench 
								STOCK	Pricelist on request	STOCK	Pricelist on request					
∅ 44.5 ~∅ 44.9	YTDI 445 □ FSL KRUZ 445 □ FSL	40.0	T (3xD)	289	219	178	55	○	○	○	CS 400-445 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 445 ○ IDP 446 ○ IDP 447 ○ IDP 448 ○ IDP 449	
			P (5xD)	378	308	267		○	○	○						
			H (7xD)	467	397	356		○	○	○						
			L (10XD)	601	531	490		○	○	○						
∅ 45.0 ~∅ 45.4	YTDI 450 □ FSL KRUZ 450 □ FSL	40.0	T (3xD)	291	221	180	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 450 ○ IDP 451 ○ IDP 452 ○ IDP 453 ○ IDP 454	
			P (5xD)	381	311	270		○	○	○						
			H (7xD)	471	401	360		○	○	○						
			L (10XD)	606	536	495		○	○	○						
∅ 45.5 ~∅ 45.9	YTDI 455 □ FSL KRUZ 455 □ FSL	40.0	T (3xD)	294	224	182	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 455 ○ IDP 456 ○ IDP 457 ○ IDP 458 ○ IDP 459	
			P (5xD)	385	315	273		○	○	○						
			H (7xD)	476	406	364		○	○	○						
			L (10XD)	613	543	501		○	○	○						
∅ 46.0 ~∅ 46.4	YTDI 460 □ FSL KRUZ 460 □ FSL	40.0	T (3xD)	296	226	184	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 460 ○ IDP 461 ○ IDP 462 ○ IDP 463 ○ IDP 464	
			P (5xD)	388	318	276		○	○	○						
			H (7xD)	480	410	368		○	○	○						
			L (10XD)	618	548	506		○	○	○						
∅ 46.5 ~∅ 46.9	YTDI 465 □ FSL KRUZ 465 □ FSL	40.0	T (3xD)	299	229	186	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 465 ○ IDP 466 ○ IDP 467 ○ IDP 468 ○ IDP 469	
			P (5xD)	392	322	279		○	○	○						
			H (7xD)	485	415	372		○	○	○						
			L (10XD)	625	555	512		○	○	○						
∅ 47.0 ~∅ 47.4	YTDI 470 □ FSL KRUZ 470 □ FSL	40.0	T (3xD)	301	231	188	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 470 ○ IDP 471 ○ IDP 472 ○ IDP 473 ○ IDP 474	
			P (5xD)	395	325	282		○	○	○						
			H (7xD)	489	419	376		○	○	○						
			L (10XD)	630	560	517		○	○	○						
∅ 47.5 ~∅ 47.9	YTDI 475 □ FSL KRUZ 475 □ FSL	40.0	T (3xD)	303	233	190	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 475 ○ IDP 476 ○ IDP 477 ○ IDP 478 ○ IDP 479	
			P (5xD)	398	328	285		○	○	○						
			H (7xD)	493	423	380		○	○	○						
			L (10XD)	636	566	523		○	○	○						
∅ 48.0 ~∅ 48.4	YTDI 480 □ FSL KRUZ 480 □ FSL	40.0	T (3xD)	306	236	192	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mmv	○ IDP 480 ○ IDP 481 ○ IDP 482 ○ IDP 483 ○ IDP 484	
			P (5xD)	402	332	288		○	○	○						
			H (7xD)	498	428	384		○	○	○						
			L (10XD)	642	572	528		○	○	○						
∅ 48.5 ~∅ 48.9	YTDI 485 □ FSL KRUZ 485 □ FSL	40.0	T (3xD)	308	238	194	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 485 ○ IDP 486 ○ IDP 487 ○ IDP 488 ○ IDP 489	
			P (5xD)	405	335	291		○	○	○						
			H (7xD)	502	432	388		○	○	○						
			L (10XD)	648	578	534		○	○	○						
∅ 49.0 ~∅ 49.4	YTDI 490 □ FSL KRUZ 490 □ FSL	40.0	T (3xD)	311	241	196	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 490 ○ IDP 491 ○ IDP 492 ○ IDP 493 ○ IDP 494	
			P (5xD)	409	339	294		○	○	○						
			H (7xD)	507	437	392		○	○	○						
			L (10XD)	654	584	539		○	○	○						
∅ 49.5 ~∅ 49.9	YTDI 495 □ FSL KRUZ 495 □ FSL	40.0	T (3xD)	313	243	198	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 495 ○ IDP 496 ○ IDP 497 ○ IDP 498 ○ IDP 499	
			P (5xD)	412	342	297		○	○	○						
			H (7xD)	511	441	396		○	○	○						
			L (10XD)	660	590	545		○	○	○						
∅ 50.0 ~∅ 50.4	YTDI 500 □ FSL KRUZ 500 □ FSL	40.0	T (3xD)	315	245	200	55	○	○	○	CS 450-500 SL	T20 Torque 4.0Nm (Max)	M 6x12	3.0 mm	○ IDP 500 ○ IDP 501 ○ IDP 502 ○ IDP 503 ○ IDP 504	
			P (5xD)	415	345	300		○	○	○						
			H (7xD)	515	445	400		○	○	○						
			L (10XD)	665	595	550		○	○	○						

KRUZ-FSL Drills, Cutting Speed Recommendation

Material group	DRILL DIAM									
	∅ 8-16 mm		∅ 16-25 mm		∅ 25-32 mm		∅ 32-40 mm		∅ 40-50 mm	
	Speed (m/min)	Feed (mm/rev)								
Grey cast iron (FC)	80~150	0.20~0.30	80~150	0.25~0.45	80~160	0.35~0.55	90~200	0.34~0.58	90~200	0.38~0.60
Nodular cast iron (FCD)	80~140	0.15~0.25	80~140	0.22~0.45	80~150	0.32~0.52	90~180	0.35~0.62	90~200	0.38~0.60
Carbon steel (S45C)	80~140	0.15~0.30	80~140	0.16~0.40	80~150	0.20~0.40	80~150	0.22~0.48	80~160	0.25~0.54
Alloy steel (SCM440)	70~140	0.15~0.30	70~140	0.15~0.40	70~140	0.18~0.40	80~140	0.25~0.47	80~140	0.27~0.52
Hardened steel (SKD11)	40~50	0.10~0.20	40~50	0.12~0.28	40~50	0.16~0.35	40~60	0.20~0.38	40~60	0.22~0.42
Stainless steel (SUS)	30~40	0.10~0.20	35~50	0.10~0.22	35~50	0.15~0.28	40~55	0.18~0.30	40~55	0.22~0.32
Alluminium 13HB (AL)	120~200	0.20~0.30	120~200	0.25~0.40	120~200	0.30~0.45	120~200	0.30~0.45	120~200	0.30~0.50

- This data is recommended for 3xDia, and should be reduced about 15-20% for 5xD, 7xD, 10xD drills.
- The data is normally suggested for oil-mist(MQL) coolant condition and also possible to run in other normal condition if machining environment like clamping etc. are secured in good.



The image shows a technical drawing of a 'Slim Chuck' tool. The drawing is a top-down view of a cylindrical component with a chamfered edge. The chamfer is labeled with a 1x45 degree angle. Several dimensions are provided: a chamfer width of 1, a distance of 3.1 from the chamfer to the center of the first hole, a distance of 14.48 between the centers of two holes, a distance of 16.9 from the center of the second hole to the edge, and a diameter of 6 (labeled as ø6). The drawing also shows a circular feature with a crosshair in the upper left and a dimension of 80 at the top right.

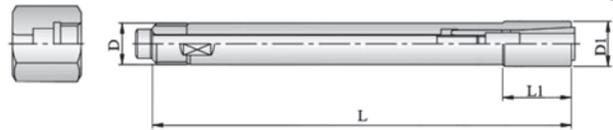
SLIM CHUCK

MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS
SLIM CHUCK

MANDRINO A PINZA SLIM CHUCK SLIM CHUCK SPANNZANGENAUFNAHME _ SLIM CHUCK EXTENSION ADAPTOR



Fig. 1



Mandrino a pinza progettato senza ghiera, parte da un diametro di 8,6mm. In questo modo si raggiunge l'effetto migliore nel processo di estensione.

Spannzangenaufnahme ohne Oberwurfmutter, mindest Durchmesser 8,6mm. In dieser Weise, erreicht man den besten Effekt mit der Verlängerung.

Slim collet chuck designed without nut can get the smallest outside diameter of 8.6 mm. This can achieve the best effect on extended processing depth.

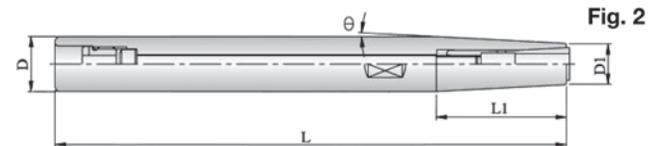
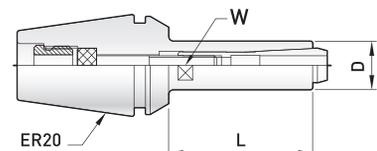
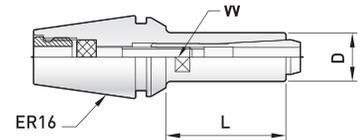


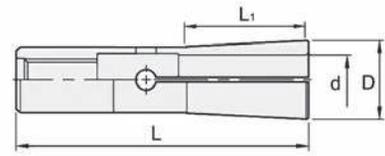
Fig. 2

ST	Fig.	↔ (mm)							Pinza Spannzange Collet	Chiave Schlüssel Spanner	Vite Schraube Screw	Bussola Schraube Stop Screw	Estrattore Auszieher Stop Nut	STOCK	PRICELIST on
		d	L	L1	D	D1	?								
ST10-DC4-90	1	2-4	90	14	10	9	-	DC4	30194-632(M3)	M4L70	-	TP-M8	○		
ST12-DC4-120	2	2-4	120	38	12	9	3°	DC4	30194-632(M3)	M4L85	OP-M8	-	○		
ST12-DC6-120	1	1-6	120	40	12	14	-	DC6	30194-643(M4)	M5L95	-	TP-M12	●		
ST16-DC6-150	2	1-6	150	35	16	14	3°	DC6	30194-643(M4)	M5L100	OP-M10	-	●		
ST20-DC6-200	2	1-6	200	70	20	14	3°	DC6	30194-643(M4)	M5L100	OP-M10	-	○		
ST25-DC6-250	2	1-6	250	115	25	14	3°	DC6	30194-644(M4)	M5L100	OP-M10	-	○		
ST20-DC8-200	2	3-8	200	50	20	19	2°	DC8	30194-652(M5)	-	OP-M12	-	○		



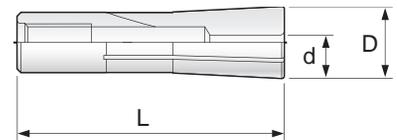
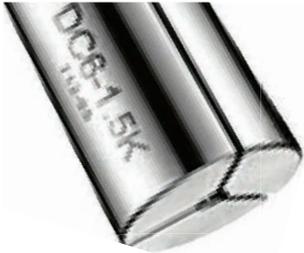
ER	d	↔ (mm)			Pinza Spannzange Collet	Chiave Schlüssel Spanner	STOCK	PRICELIST on
		L	D	W				
ER16-DC4-25	2-4	25	9	8	DC4	30194-632(M3)	○	
ER20-DC6-35	1-6	35	14	13	DC6	30194-643(M4)	○	

PINZE DC TIPO E DC SPANNZANGEN TYPE E _ DC COLLETS TYPE E



DC...E	d	L	↔ (mm)	D	W	STOCK	PRICELIST on
DC4-2E	2	31		10	7	●	
DC4-3E	3	31		14	7	●	
DC4-4E	4	31		14	7	●	
DC6-3E	3	36		14	9,6	●	
DC6-4E	4	36		14	9,6	●	
DC6-6E	6	36		16	9,6	●	
DC8-3E	3	45		15	15	○	
DC8-4E	4	45		16	15	○	
DC8-6E	6	45		24	15	○	
DC8-8E	8	45		26	15	○	

PINZE DC TIPO K DDC SPANNZANGEN TYPE K _ DC COLLETS TYPE K



DC...K	d	(d)	↔ (mm)	L	D	STOCK	PRICELIST on
DC6-1.0K	1.0	0.9 ~ 1.0		36	9,6	○	
DC6-1.1K	1.1	1.0 ~ 1.1		36	9,6	○	
DC6-1.2K	1.2	1.1 ~ 1.2		36	9,6	○	
DC6-1.3K	1.3	1.2 ~ 1.3		36	9,6	○	
DC6-1.4K	1.4	1.3 ~ 1.4		36	9,6	○	
DC6-1.5K	1.5	1.4 ~ 1.5		36	9,6	○	
DC6-1.6K	1.6	1.5 ~ 1.6		36	9,6	○	
DC6-1.7K	1.7	1.6 ~ 1.7		36	9,6	○	
DC6-1.8K	1.8	1.7 ~ 1.8		36	9,6	○	
DC6-1.9K	1.9	1.8 ~ 1.9		36	9,6	○	

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

SET DC SLIM CHUCK- MANDRINO + PINZE _ SET DC SLIM CHUCK - AUFNAHME + SPANNZANGEN SET OF DC SLIM CHUCK EXTENSION ADAPTOR + COLLETS

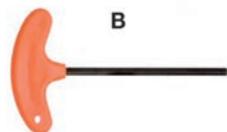
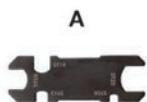


Contenuto set - Inhalt des Sets - Set contents

DC4	Mandrino Aufnahme Collet Chuck	Pinza Spannzange Collet	Chiave (A) Schlüssel (A) Spanner (A)	Chiave (B) Schlüssel (B) Spanner (B)	STOCK	PRICELIST on
SST10-DC4-90	ST10-DC4-90	DC4-2E x 1 pc	30194-002	30194-632	○	
SST12-DC4-120	ST12-DC4-120	DC4-3E x 1 pc			○	
		DC4-4E x 1 pc				

Contenuto set - Inhalt des Sets - Set contents

DC6	Mandrino Aufnahme Collet Chuck	Pinza Spannzange Collet	Chiave (A) Schlüssel (A) Spanner (A)	Chiave (B) Schlüssel (B) Spanner (B)	STOCK	PRICELIST on
SST12-DC6-120	ST12-DC6-120	DC6-3E x 1 pc	30194-002	30194-643	○	
SST16-DC6-150	ST16-DC6-150	DC6-4E x 1 pc			○	
		DC6-6E x 1 pc				

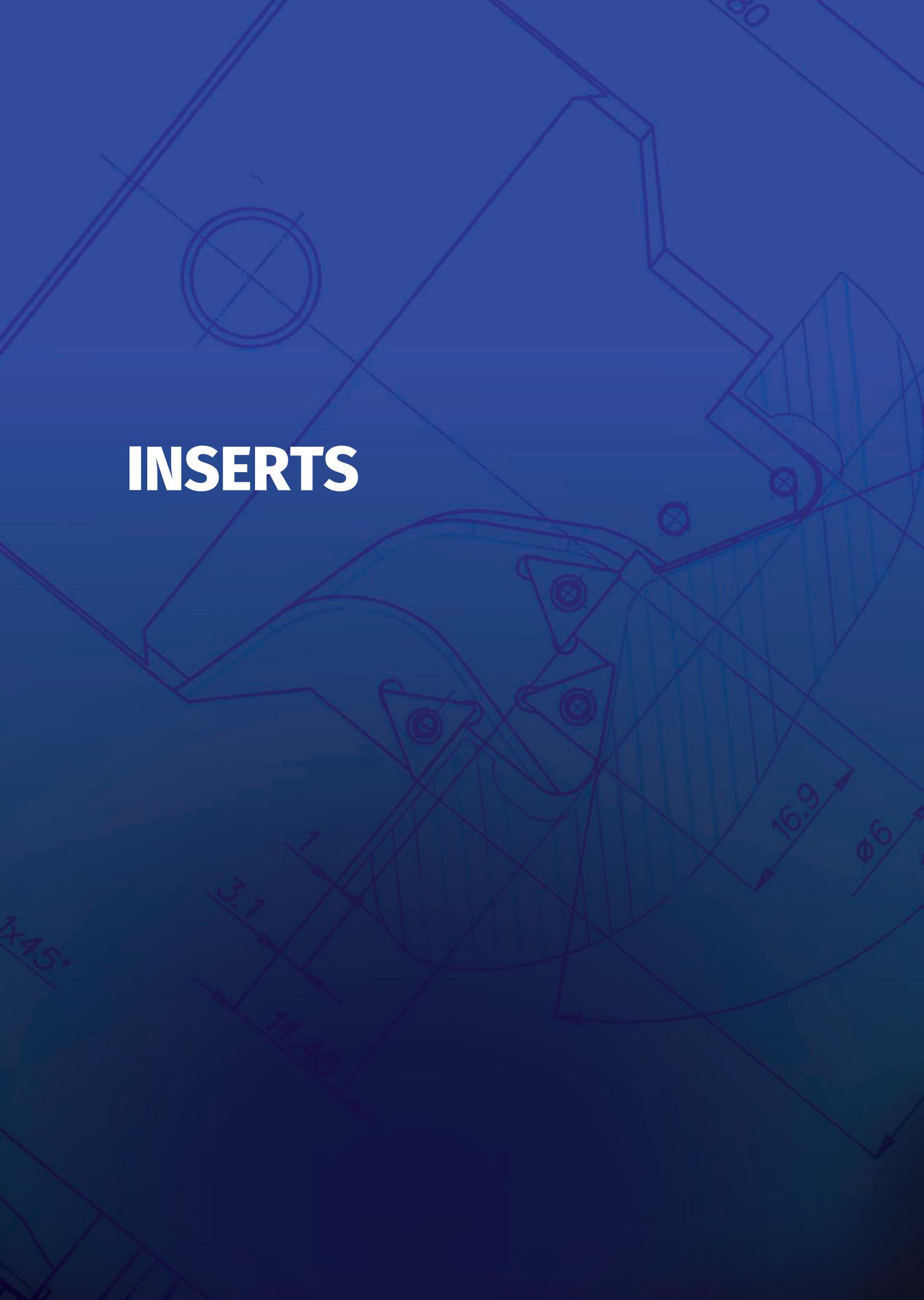
Chiave (A)
Schlüssel (A)
Spanner (A)Chiave (B)
Schlüssel (B)
Spanner (B)Vite
Schraube
ScrewBussola
Schraube
Stop ScrewEstrattore
Auszieher
Stop Nut

CODICE ORDINE Bestell-Nr. Order No.	CODICE ORDINE Bestell-Nr. Order No.	mm	L	CODICE ORDINE Bestell-Nr. Order No.	Filetto Gewinde Thread	L	CODICE ORDINE Bestell-Nr. Order No.	Filetto Gewinde Thread	CODICE ORDINE Bestell-Nr. Order No.	Filetto Gewinde Thread
30194-002	30194-632	3	100	M4L70	M4	70	OP-M8	M8(L)	TP-M8	M8(L)
	30194-643	4	150	M4L85	M4	85	OP-M10	M10(L)	TP-M12	M12(L)
	30194-644	4	200	M5L95	M5	95	OP-M12	M12(L)		
				M5L100	M5	100	OP-M16	M16(L)		

Il filetto della bussola è sinistro
Die Gewinde der Schraube ist links
Thread of stop screw is leftward

MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS
SLIM CHUCK

INSERTS



MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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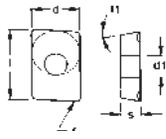
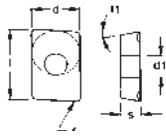
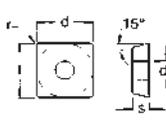
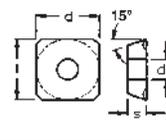
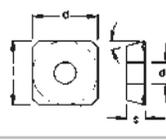
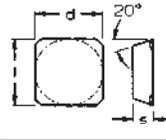
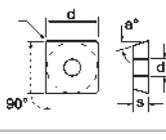
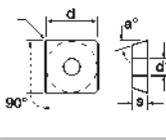
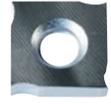
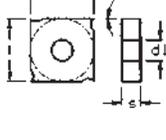


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INSERTI PER FRESATURA _ WENDEPLATTEN ZUM FRÄSEN _ MILLING INSERTS

	CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	← (mm) →					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated								
			l	d	s	d1	r		K15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD			
APMX			6,3	3,65	2,15	2,05	1	APMX 060210 MPH												
APKT... PDTR-K			6,4	3,65	2,15	2	0,4	APKT 060204 PDTR-K												
APKT... PDER-S			6,4	3,7	2,17	2	0,4	APKT 060204 PDER-S				○	○	○						
			6	3,64	2,15	2,05	2,0	APKT 060220 PDER-S				○	○	○						
APKT... PDER-S			10,5	6,7	3,5	2,8	0,4	APKT 1003 PDER-S				●	●	●						
			17	9,5	5,30	4,5	0,8	APKT 1604 PDER-S				●	●	●						
APKT... PDR-M			10	6,7	3,5	3,2	0,5	APKT 1003 PDR-M												●
			16,3	9,5	5,26	4,4	0,9	APKT 1604 PDR-M												●
APKT... PDFR... ALU			10,5	6,7	3,5	2,8	0,4	APKT 1003 PDFR-R04 ALU	●											
			17	9,45	5,26	4,4	0,4	APKT 1604 PDFR-R04 ALU	●											
			17	9,45	5,26	4,4	0,8	APKT 1604 PDFR-R08 ALU	●											
APPT... MM			10	6,7	3,50	2,8	0,8	APPT 100308 PDSR-MM												●
			17	9,5	5,26	4,5	0,8	APPT 160408 PDSR-MM												
APHX... ALU			10,3	6,35	3,18	2,8	0,4	APHX 1003 FR-ALU	●											
			17	9,52	4,76	4,4	0,2	APHX 1604 FR-ALU	●											
			16	9,52	4,76	4,4	0,8	APHX 1604 PDR-ALU	●											
APHT...			10,3	6,35	3,18	2,8	0,4	APHT 100304	●	●	●								●	●
			16	9,52	4,76	4,4	0,8	APHT 1604 PDR	●	●	●									●
RDHT... ALU			-	5	1,59	-	-	RDHT 0501MOF ALU	●											
			-	7	2,38	-	-	RDHT 0702MOF ALU	●											
			-	10	3,18	-	-	RDHT 1003MOF ALU	●											
			-	12	3,97	-	-	RDHT 12T3MOF ALU	●											
			-	16	4,76	-	-	RDHT 1604MOF ALU	●											

INSERTI PER FRESATURA _ WENDEPLATTEN ZUM FRÄSEN _ MILLING INSERTS

CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated				
		l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD
 RDKW		-	5	1,5	2,2	-	RDKW 0501MOS- MP							●	
		-	7	2,38	2,7	-	RDKW 0702MOS- MP							●	
		-	10	3,18	3,9	-	RDKW 1003MOS- MP							●	
		-	12	3,97	3,9	-	RDKW 12T3MOS- MP							●	
		-	16	4,76	5,2	-	RDKW 1604MOS- MP							●	
 SDMT... 69		12,7	12,7	5	4,4	0,8	SDMT 1205 PDR.69	●	●	●				●	●
 SDKT		12,7	12,7	4,76	5,5	-	SDKT 1204 AFTN							●	
 SEKT		12,7	12,7	4,76	5,5	-	SEKT 1204 AFTN							●	
 SEHX 1204 ALU		12,7	12,7	4,76	5,5	-	SEHX 1204 ALU	●							
 SEKR		12,7	12,7	3,18	-	-	SEKR 1203 AFTN							●	
 SEHX 13T3 ALU		13,4	13,4	3,97	4,1	1,5	SEHX 13T3 ALU	●							
 SEHT 13T3		13,4	13,4	3,97	4,1	1,5	SEHT 13T3				●	●	●		
 SNHX		11	11	2,3	4,4	-	SNHX 1102T	●	●					●	●
		11	11	2,7	4,4	-	SNHX 1103T	●	●					●	●
		12,7	12,7	3,2	5	-	SNHX 1203T	●	●					●	●
		12,7	12,7	5,4	5	-	SNHX 1205T	●	●					●	●
 SNHX... ALU		11	11	2,3	4,4	-	SNHX 1102 ALU	●							
		11	11	2,7	4,4	-	SNHX 1103 ALU	●							
		12,7	12,7	3,2	5	-	SNHX 1203 ALU	●							
		12,7	12,7	5,4	5	-	SNHX 1205 ALU	●							

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○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES

GROOVING

MC DRILLS

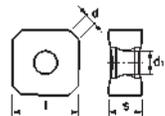
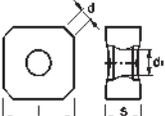
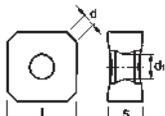
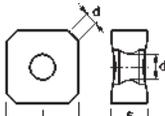
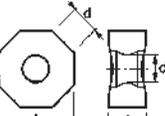
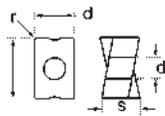
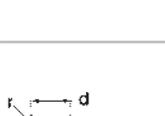
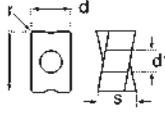
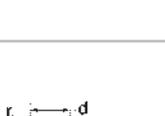
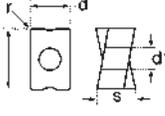
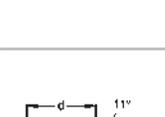
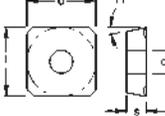
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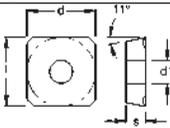
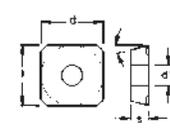
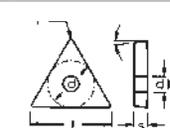
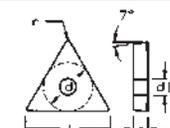
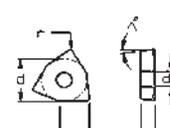
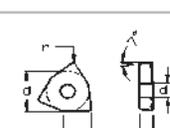
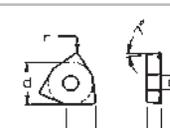
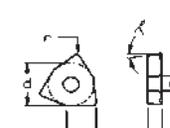
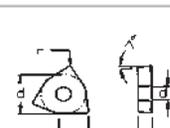
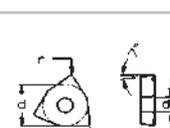
SLIM CHUCK

INSERTS

INSERTI PER FRESATURA _ WENDEPLATTEN ZUM FRÄSEN _ MILLING INSERTS

	CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated					
			l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD
			12,7	2,5	6,4	5,2	2,36	SNEX 1206 ANN-MA ALU	●								
SNEX 1206 ALU																	
			12,7	2,5	6,4	5,2	2,36	SNKX 1206 ANN-MM1									●
SNKX 1206																	
			12,7	2,5	6,4	5,2	2,36	SNMX 1206 ANN-MB1				●	●	●			
SNMX 1206...MB1																	
			12,7	2,5	6,9	5,4	2,36	SNMU 1206 ANER				●	●	●			
SNMU																	
			12,7	5,2	6	6	0,8	ONMU 1205 ANN MB				●	●	●			
ONMU																	
			10	6,5	6,5	3,5	0,5	LNEX 100605 PNR-MA ALU	●								
			15	10	10	4,5	0,8	LNEX 151008 PNR-MA ALU	●								
LNEX...																	
			10	6,5	6,5	3,5	0,5	LNKX 100605 PNR-MM									●
			15	10	10	4,5	0,8	LNKX 151008 PNR-MM									●
LNKX...																	
			10	6,5	6,5	3,5	0,5	LNMX 100605 PNR-MB				●	●	●			
			15	10	10	4,5	0,8	LNMX 151008 PNR-MB				●	●	●			
LNMX...MB																	
			6,35	6,35	3,18	2,8	0,4	SPMT 060304									●
			9,52	9,52	3,97	4,5	0,8	SPMT 09T308									●
			12,7	12,7	4,76	5,5	0,8	SPMT 120408									●
SPMT																	

INSERTI PER FRESATURA _ WENDEPLATTEN ZUM FRÄSEN _ MILLING INSERTS

CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated					
		l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD
 SPGT... ALU		6,35	6,35	3,18	2,8	0,4	SPGT 060304 ALU	●								
		9,52	9,52	3,97	4,5	0,8	SPGT 09T308 ALU	●								
		12,7	12,7	4,76	5,5	0,8	SPGT 120408 ALU	●								
 SEEX		12,25	12,25	5,25	4,8	0,8	SEEX 12T408								●	
 TCMX		16,5	9,52	3,97	4,4	0,4	TCMX 16T3 ZR								●	
 TCMX		16,5	9,52	3,97	4,4	0,8	TCMX 16T308 ZR									●
 TCGX		16,5	9,52	3,97	4,4	0,4	TCGX 163504								●	
 XNEX...		7,5	12,5	6,56	4,6	1,0	XNEX 080610-HF								●	
 WNEU 04...		4	6,7	3,3	3,2	0,4	WNEU 040304-MB				●	●	●			
		4	6,7	3,3	3,2	0,8	WNEU 040308-MB				●	●	●			
 WNEU 08... MB		7,5	12,5	6,56	4,6	0,8	WNEU 080608-MB				●	●	●	●		
 WNEU 08... MB		8	12,7	6,55	4,6	1,2	WNEU 080612-MB				○	○	○			
 WNMU 08... MB		7,5	12,5	6,56	4,6	0,8	WNMU 080608-MB								●	
 WNEX		7,5	12,5	6,56	4,5	0,8	WNEX 080608-ALU	●								

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2023/24



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MILLING

MINIMILL

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MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

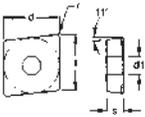
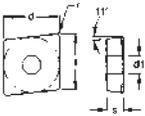
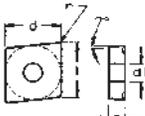
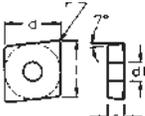
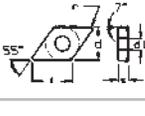
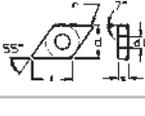
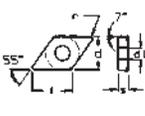
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INSERTS

INSERTI PER TORNITURA _ WENDEPLATTEN ZUM DREHEN _ TURNING INSERTS

	CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichtet Uncoated			RIVESTITI Beschichtet Coated				CERMET				
			l	d	s	d1	r		K15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99	X55	
			5,6	5,56	1,98	2,5	0,4	CPMT 05T104						●						
			5,6	5,56	1,98	2,5	0,2	CPMT 05T102 EN-PM1						●						
			5,6	5,56	1,98	2,5	0,2	CPMT 05T102 EN-PS2			○									
			5,6	5,56	1,98	2,5	0,4	CPMT 05T104 EN-PM1						●						
			5,6	5,56	1,98	2,5	0,4	CPMT 05T104 EN-PS2			○									
CPMT MINI																				
			5,6	5,56	1,98	2,5	0,2	CPGT 05T102 FN-ALU	●											
CPGT... ALU MINI			5,6	5,56	1,98	2,5	0,4	CPGT 05T104 FN-ALU	●											
			6,4	6,35	2,38	2,8	0,2	CCMT 060202						●						
			6,4	6,35	2,38	2,8	0,4	CCMT 060204						●						
			9,7	9,52	3,97	4,4	0,4	CCMT 09T304						●						
			9,7	9,52	3,97	4,4	0,8	CCMT 09T308						●						
			12,9	12,7	4,76	5,5	0,4	CCMT 120404						●						
			12,9	12,7	4,76	5,5	0,8	CCMT 120408						●						
CCMT																				
			3,3	3,35	1,4	2,3	0,2	CCGT 030102 FN						●						
CCGT			6,4	6,35	2,38	2,8	0,2	CCGT 060202-ALU	●											
			6,4	6,35	2,38	2,8	0,4	CCGT 060204-ALU	●											
			9,7	9,52	3,97	4,4	0,2	CCGT 09T302-ALU	●											
			9,7	9,52	3,97	4,4	0,4	CCGT 09T304-ALU	●											
			9,7	9,52	3,97	4,4	0,8	CCGT 09T308-ALU	●											
			12,9	12,7	4,76	5,5	0,2	CCGT 120402 ALU	●											
			12,9	12,7	4,76	5,5	0,4	CCGT 120404 ALU	●											
			12,9	12,7	4,76	5,5	0,8	CCGT 120408 ALU	●											
CCGT... ALU			4,03	3,97	1	2,1	0,1	CDGT 040101 FN-ALU	●											
			4,03	3,97	1	2,1	0,2	CDGT 040102 FN-ALU	●											
			4,03	3,97	1	2,1	0,4	CDGT 040104 FN-ALU	●											
			4,03	3,97	1	2,1	0,2	CDGT 040102 FN						●						
			4,03	3,97	1	2,1	0,4	CDGT 040104 FN						●						
CDGT MINI																				
			3,78	3,1	1,2	1,7	0,2	DCGT 04T002 FN-ALU	●											
DCGT...ALU MINI																				
			3,78	3,1	1,2	1,7	0,2	DCGT 04T002 EN-PM1						●						
DCGT...PM1 MINI			7,75	6,35	2,38	2,8	0,2	DCMT 070202						●						
			7,75	6,35	2,38	2,8	0,4	DCMT 070204						●						
			11,6	9,52	3,97	4,4	0,2	DCMT 11T302						●						
			11,6	9,52	3,97	4,4	0,4	DCMT 11T304						●						
			11,6	9,52	3,97	4,4	0,8	DCMT 11T308						●						
DCMT																				
			7,75	6,35	2,38	2,8	0,2	DCGT 070202-ALU	●											
			7,75	6,35	2,38	2,8	0,4	DCGT 070204 -ALU	●											
			11,6	9,52	3,97	4,4	0,2	DCGT 11T302-ALU	●											
			11,6	9,52	3,97	4,4	0,4	DCGT 11T304-ALU	●											
			11,6	9,52	3,97	4,4	0,8	DCGT 11T308-ALU	●											
DCGT... ALU																				

INSERTI PER TORNITURA WENDEPLATTEN ZUM DREHEN _ TURNING INSERTS

CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	← (mm) →					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated				CERMET		
		l	d	s	d1	r		K15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99
SCMT		6,35	6,35	2,38	2,8	0,4	SCMT 060204						●				
		9,52	9,52	3,97	4,4	0,8	SCMT 09T308						●				
		12,7	12,7	4,76	5,5	0,8	SCMT120408						●				
SCGT... ALU		9,525	9,525	3,97	4,4	0,4	SCGT 09T304-ALU	●									
		9,525	9,525	3,97	4,4	0,8	SCGT 09T308-ALU	●									
		12,7	12,7	4,76	5,5	0,8	SCGT 120408-ALU	●									
TCMT		8,2	4,76	2,38	2,3	0,4	TCMT 080204						●				
		11	6,35	2,38	2,8	0,2	TCMT 110202						●				
		11	6,35	2,38	2,6	0,4	TCMT 110204						●				
		16	9,52	3,97	4,4	0,4	TCMT 16T304						●				
		18	9,52	3,97	4,4	0,8	TCMT 16T308						●				
TCGT... ALU		11	6,35	2,38	2,8	0,2	TCGT 110202-ALU	●									
		11	6,35	2,38	2,8	0,4	TCGT 110204-ALU	●									
		16,5	9,52	3,97	4,4	0,4	TCGT 16T304-ALU	●									
		16,5	9,52	3,97	4,4	0,8	TCGT 16T308 -ALU	●									
VBMT		11,1	6,35	3,18	2,9	0,4	VBMT 110304						●				
		16,6	9,52	4,76	4,4	0,4	VBMT 160404						●				
		16,6	9,52	4,76	4,4	0,8	VBMT 160408						●				
VCGT...EN-PM1 MINI		5,40	3,10	1,59	1,7	0,1	VCGT 050101 EN-PM1						○				
		5,40	3,10	1,59	1,7	0,2	VCGT 050102 EN-PM1						●				
VCMT...EN-PM1 MINI		6,92	3,97	2,38	2,2	0,2	VCMT 070202 EN-PM1						●				
		6,92	3,97	2,38	2,2	0,4	VCMT 070204 EN-PM1						●				
VCMT		11,1	6,35	3,18	2,9	0,4	VCMT 110304						●				
		16,6	9,52	4,76	4,4	0,4	VCMT 160404						●				
		16,6	9,52	4,76	4,4	0,8	VCMT 160408						●				
VCGT...FN-ALU MINI		5,40	3,10	1,59	1,7	0,2	VCGT 050102 FN-ALU	●									
		6,92	3,97	2,38	2,2	0,1	VCGT 070201 FN-ALU	●									
		6,92	3,97	2,38	2,2	0,2	VCGT 070202 FN-ALU	●									
		6,92	3,97	2,38	2,2	0,4	VCGT 070204 FN-ALU	●									
VCGT... ALU		11,1	6,35	3,18	2,9	0,2	VCGT 110302-ALU	●									
		11,1	6,35	3,18	2,9	0,4	VCGT 110304-ALU	●									
		11,1	6,35	3,18	2,9	0,8	VCGT 110308-ALU	●									
		16,6	9,52	4,76	4,4	0,4	VCGT 160404-ALU	●									
		16,6	9,52	4,76	4,4	0,8	VCGT 160408-ALU	●									
WCGT...ALU MINI		2,7	3,97	1,59	2,2	0,1	WCGT 020101 FN-ALU	●									
		2,7	3,97	1,59	2,2	0,2	WCGT 020102 FN-ALU	●									
WCMT MINI		2,7	3,97	1,59	2,2	0,2	WCMT 020102										●
		2,7	3,97	1,59	2,2	0,4	WCMT 020104										●

● Disponibile - Lieferbar - On stock

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MILLING

MINIMILL

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MICROTOOLS
AMS

MINITOOLES

GROOVING

MC DRILLS

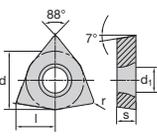
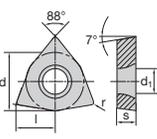
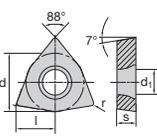
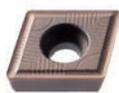
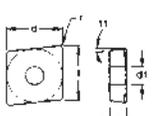
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INSERTS

INSERTI PER FORATURA WENDEPLATTEN ZUM BOHREN _DRILLING INSERTS

CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	← (mm) →					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated						
		l	d	s	d1	r		K15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	
 		4,0	6,35	1,59	2,25	0,2	WCHX 040102FN-BAL LW610	●									
		4,0	6,35	1,59	2,25	0,4	WCHX 040104FN-BAL LW610	●									
		5,0	7,93	1,98	2,80	0,2	WCHX 05T102FN-BAL LW610	●									
		5,0	7,93	1,98	2,80	0,4	WCHX 05T104FN-BAL LW610	●									
		5,5	8,93	2,38	2,80	0,2	WCHX 060202FN-BAL LW610	●									
		5,5	8,93	2,38	2,80	0,4	WCHX 060204FN-BAL LW610	●									
		7,5	12,00	3,18	3,40	0,4	WCHX 070304FN-BAL LW610	●									
		7,5	12,00	3,18	3,40	0,8	WCHX 070308FN-BAL LW610	●									
		9,0	14,29	3,18	4,40	0,4	WCHX 090304FN-BAL LW610	●									
		9,0	14,29	3,18	4,40	0,8	WCHX 090308FN-BAL LW610	●									
		10,0	15,87	3,97	5,90	0,4	WCHX 10T304FN-BAL LW610	●									
		10,0	15,87	3,97	5,90	0,8	WCHX 10T308FN-BAL LW610	●									
		13,0	21,00	5,56	7,00	0,8	WCHX 130508FN-BAL LW610	●									
	 		4,0	6,35	1,59	2,25	0,2	WCHX 040102EN-BFM LCP25T									●
		4,0	6,35	1,59	2,25	0,4	WCHX 040104EN-BFM LCP25T										●
		5,0	7,93	1,98	2,80	0,2	WCHX 05T102EN-BFM LCP25T										●
		5,0	7,93	1,98	2,80	0,4	WCHX 05T104EN-BFM LCP25T										●
		5,5	8,37	2,38	2,80	0,2	WCHX 060202EN-BFM LCP25T										●
		5,5	8,37	2,38	2,80	0,4	WCHX 060204EN-BFM LCP25T										●
		7,5	12,00	3,18	3,40	0,4	WCHX 070304EN-BFM LCP25T										●
		7,5	12,00	3,18	3,40	0,8	WCHX 070308EN-BFM LCP25T										●
		9,0	14,29	3,18	4,40	0,4	WCHX 090304EN-BFM LCP25T										●
		9,0	14,29	3,18	4,40	0,8	WCHX 090308EN-BFM LCP25T										●
		10,0	15,87	3,97	5,90	0,4	WCHX 10T304EN-BFM LCP25T										●
		10,0	15,87	3,97	5,90	0,8	WCHX 10T308EN-BFM LCP25T										●
		13,0	21,00	5,56	7,00	0,8	WCHX 130508EN-BFM LCP25T										●
 			4,0	6,35	1,59	2,25	0,2	WCHX 040102EN-BFM LCM45T									●
		4,0	6,35	1,59	2,25	0,4	WCHX 040104EN-BFM LCM45T										●
		5,0	7,93	1,98	2,80	0,2	WCHX 05T102EN-BFM LCM45T										●
		5,0	7,93	1,98	2,80	0,4	WCHX 05T104EN-BFM LCM45T										●
		5,5	8,93	2,38	2,80	0,2	WCHX 060202EN-BFM LCM45T										●
		5,5	8,93	2,38	2,80	0,4	WCHX 060204EN-BFM LCM45T										●
		7,5	12,00	3,18	3,40	0,4	WCHX 070304EN-BFM LCM45T										●
		7,5	12,00	3,18	3,40	0,8	WCHX 070308EN-BFM LCM45T										●
		9,0	14,29	3,18	4,40	0,4	WCHX 090304EN-BFM LCM45T										●
		9,0	14,29	3,18	4,40	0,8	WCHX 090308EN-BFM LCM45T										●
		10,0	15,87	3,97	5,90	0,4	WCHX 10T304EN-BFM LCM45T										●
		10,0	15,87	3,97	5,90	0,8	WCHX 10T308EN-BFM LCM45T										●
		13,0	21,00	5,56	7,00	0,8	WCHX 130508EN-BFM LCM45T										●
	 		4,6	4,2	2,1	2,6	0,4	XPMT 042004									●
		5,5	5,0	2,9	2,9	0,4	XPMT 052804										●
		6,6	6,0	3,5	3,4	0,6	XPMT 063306										●
		8,3	7,5	4,2	3,9	0,6	XPMT 074006										●
		10,6	9,6	4,7	5,7	0,8	XPMT 094508										●
		13,6	12,4	6,0	7,5	1,2	XPMT 125812										●
		16,7	15,2	7,0	9,5	1,2	XPMT 156812										●
		16,7	15,2	7,0	9,5	1,2	XPMT 156812										●
 		4,6	4,2	2,1	2,6	0,4	XPMT 042004 ALU	○									
		5,5	5,0	2,9	2,9	0,4	XPMT 052804 ALU	○									
		6,6	6,0	3,5	3,4	0,6	XPMT 063306 ALU	○									
		8,3	7,5	4,2	3,9	0,6	XPMT 074006 ALU	○									
		10,6	9,6	4,7	5,7	0,8	XPMT 094508 ALU	○									
		13,6	12,4	6,0	7,5	1,2	XPMT 125812 ALU	○									
		16,7	15,2	7,0	9,5	1,2	XPMT 156812 ALU	○									
		16,7	15,2	7,0	9,5	1,2	XPMT 156812 ALU	○									

INSERTI NEGATIVI _ NEGATIVE WENDEPLATTEN _ NEGATIVE INSERTS

 CODICE ORDINE Bestell-Nr. Order No.	 (mm)					 DENOMINAZIONE Bezeichnung Designation	 NON RIVESTITI Unbeschichte Uncoated			 RIVESTITI Beschichtet Coated					CERMET		
	l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99	X55
 CNGG	--	12,7	4,76	5,16	0,4	120404-LHC ALU	○										
	--	12,7	4,76	5,16	0,8	120408-LHC ALU	○										
 DNGG	--	12,7	6,35	5,16	0,4	150604-LHC ALU	○										
	--	12,7	6,35	5,16	0,8	150608-LHC ALU	○										
 SNGG	--	12,7	4,76	5,16	0,4	120404-LHC ALU	○										
	--	12,7	4,76	5,16	0,8	120408-LHC ALU	○										
 TNGG	--	9,525	4,76	9,525	0,4	160404-LHC ALU	○										
	--	9,525	4,76	9,525	0,8	160408-LHC ALU	○										
 VNGG	--	9,525	4,76	3,81	0,2	160402-LHC ALU	○										
	--	9,525	4,76	3,81	0,4	160404-LHC ALU	○										
 WNGG	--	12,7	4,76	5,16	0,4	080404-LHC ALU	○										
	--	12,7	4,76	5,16	0,8	080408-LHC ALU	○										

INSERTI CBN/PKD _ CBN/PKD WENDEPLATTEN _ CBN/PKD INSERTS

 CODICE ORDINE Bestell-Nr. Order No.	 (mm)					 DENOMINAZIONE Bezeichnung Designation	 NON RIVESTITI Unbeschichte Uncoated			 RIVESTITI Beschichtet Coated					CERMET		
	l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99	X55
 CDGW MINI	--	--	--	--	--	CDGW 040101 FN CVD 2P										○	
	--	--	--	--	--	CDGW 040101 H65-2C										○	
 DCGW MINI	--	--	--	--	--	DCGW 04T001 FN CVD 2P										○	
	--	--	--	--	--	DCGW 04T001 H65-2C										○	
 VCGW MINI	--	--	--	--	--	VCGW 050101 FN CVD 2P										○	
	--	--	--	--	--	VCGW 050101 H65-2C										○	
 WCGW MINI	--	--	--	--	--	WCGW 020101 FN CVD 3P										○	
	--	--	--	--	--	WCGW 020101 H65-3C										○	

● Disponibile - Lieferbar - On stock

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MILLING

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MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

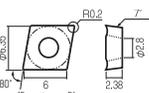
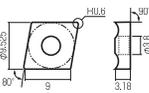
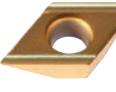
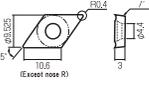
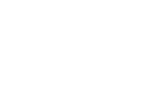
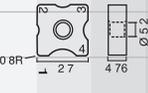
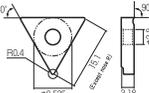
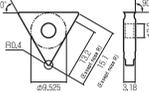
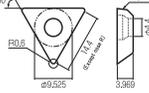
NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

INSERTI NICECUT _ NICECUT WENDEPLATTEN _ CNICECUT INSERTS

	CODICE ORDINE Bestell-Nr. Order No.	FIGURA Form Figure	↔ (mm)					DENOMINAZIONE Bezeichnung Designation	NON RIVESTITI Unbeschichte Uncoated			RIVESTITI Beschichtet Coated				CERMET						
			l	d	s	d1	r		k15	P25	P40	P200	P300	K300	K400	TIN PVD	TIALN PVD	X99	X55			
C22... GUX			6,0	6,35	2,38	2,8	0,2	C22 GUX NK2020	○													
			6,0	6,35	2,38	2,8	0,2	C22 GUX NK5050								○						
C32... GUX			9,0	9,525	3,18	3,8	0,6	C32 GUX NK2020	○													
			9,0	9,525	3,18	3,8	0,6	C32 GUX NK5050								○						
DCET 11X304			10,6	9,525	3,0	4,4	0,4	DCET 11X304								○						
T32GSR			16,5	9,525	3,18	3,8	0,4	T32GSR-1R NK2020	○									○				
			16,5	9,525	3,18	3,8	0,4	T32GSR-2R NK2020	○										○			
			16,5	9,525	3,18	3,8	0,4	T32GSR-3R NK2020	○											○		
N43GXR8			12,7	12,7	4,76	5,2	0,8	N43GXR8-1R NK2020	●										○			
			12,7	12,7	4,76	5,2	0,8	N43GXR8-2R NK2020	●											○		
			12,7	12,7	4,76	5,2	0,8	N43GXR8-3R NK2020	●											○		
			12,7	12,7	4,76	5,2	0,8	N43GXR8-4R NK2020	●												○	
			12,7	12,7	4,76	5,2	0,8	N43GXR8-5R NK2020	●												○	
			12,7	12,7	4,76	5,2	0,8	N43GXR8-1-2-3-4 NK2020	●												○	
N54GCR			15/20	15/20	4,76	5,2	0,8	N54GCR-5R NK2020	○											○		
			15/20	15/20	4,5	5,2	0,8	N54GCR-6R NK2020	○												○	
			15/20	15/20	4,5	5,2	0,8	N54GCR-7R NK2020	○												○	
			15/20	15/20	4,76	5,2	0,8	N54GCR-8R NK2020	○													○
			15/20	15/20	4,5	5,2	0,8	N54GCR-9R NK2020	○													○
			15/20	15/20	4,76	5,2	0,8	N54GCR-10R NK2020	○													○
TM32 GUR			15,1	9,525	3,18	3,8	0,4	TM32 GUR HSS	○											○		
TM32 GSR			13,2	9,525	3,18	3,8	0,4	TM32 GSR HSS	○											○		
TXMT			6,543	4,762	2,381	2,3	0,6	TXMT 080206	○											○		
			8,925	6,35	3,175	2,8	0,6	TXMT 110306	○												○	
			14,4	9,525	3,969	4,4	0,6	TXMT 16T306	○												○	
			25,0	15,875	5,556	5,5	0,6	TXMT 270506	○												○	

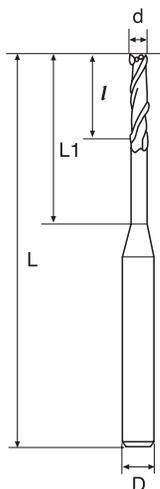
MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS
SLIM CHUCK
INSERTS

WGK



SQUARE SERIES-LONG NECK-2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 μm



LNT

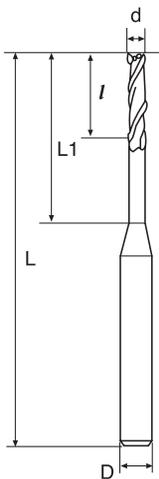
	Diameter d	Flute Length l	Efficient Length L1	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
LNT05022 AlTiN	0.5	0.75	2	50	4	2	0,010	●	
LNT05042 AlTiN	0.5	0.75	4	50	4	2	0,010	●	
LNT05062 AlTiN	0.5	0.75	6	50	4	2	0,010	●	
LNT06022 AlTiN	0.6	0.9	2	50	4	2	0,010	●	
LNT06042 AlTiN	0.6	0.9	4	50	4	2	0,010	●	
LNT06062 AlTiN	0.6	0.9	6	50	4	2	0,010	●	
LNT07042 AlTiN	0.7	1.1	4	50	4	2	0,010	●	
LNT07062 AlTiN	0.7	1.1	6	50	4	2	0,010	●	
LNT08042 AlTiN	0.8	1.2	4	50	4	2	0,010	●	
LNT08062 AlTiN	0.8	1.2	6	50	4	2	0,010	●	
LNT08082 AlTiN	0.8	1.2	8	50	4	2	0,010	●	
LNT09062 AlTiN	0.9	1.4	6	50	4	2	0,010	●	
LNT09082 AlTiN	0.9	1.4	8	50	4	2	0,010	●	
LNT09102 AlTiN	0.9	1.4	10	50	4	2	0,010	●	
LNT10062 AlTiN	1	1.5	6	50	4	2	0,010	●	
LNT10082 AlTiN	1	1.5	8	50	4	2	0,010	●	
LNT10102 AlTiN	1	1.5	10	50	4	2	0,010	●	
LNT10122 AlTiN	1	1.5	12	50	4	2	0,010	●	
LNT10162 AlTiN	1	1.5	16	50	4	2	0,010	●	
LNT12062 AlTiN	1.2	1.8	6	50	4	2	0,010	●	
LNT12082 AlTiN	1.2	1.8	8	50	4	2	0,010	●	
LNT12102 AlTiN	1.2	1.8	10	50	4	2	0,010	●	
LNT12122 AlTiN	1.2	1.8	12	50	4	2	0,010	●	
LNT14062 AlTiN	1.4	2.1	6	50	4	2	0,010	●	
LNT14102 AlTiN	1.4	2.1	10	50	4	2	0,010	●	
LNT14162 AlTiN	1.4	2.1	16	50	4	2	0,010	●	
LNT15062 AlTiN	1.5	2.3	6	50	4	2	0,010	●	
LNT15082 AlTiN	1.5	2.3	8	50	4	2	0,010	●	
LNT15102 AlTiN	1.5	2.3	10	50	4	2	0,010	●	
LNT15122 AlTiN	1.5	2.3	12	50	4	2	0,010	●	
LNT15142 AlTiN	1.5	2.3	14	50	4	2	0,010	●	
LNT15162 AlTiN	1.5	2.3	16	50	4	2	0,010	●	
LNT15182 AlTiN	1.5	2.3	18	50	4	2	0,010	●	
LNT15202 AlTiN	1.5	2.3	20	50	4	2	0,010	●	
LNT16062 AlTiN	1.6	2.4	6	50	4	2	0,010	●	
LNT16082 AlTiN	1.6	2.4	8	50	4	2	0,010	●	
LNT16102 AlTiN	1.6	2.4	10	50	4	2	0,010	●	
LNT16122 AlTiN	1.6	2.4	12	50	4	2	0,010	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

SQUARE SERIES-LONG NECK-2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 μm



LNT	Diameter	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L1	L	D	Z			
LNT16142 AlTiN	1.6	2.4	14	50	4	2	0,010	●	
LNT16162 AlTiN	1.6	2.4	16	50	4	2	0,010	●	
LNT16182 AlTiN	1.6	2.4	18	50	4	2	0,010	●	
LNT18082 AlTiN	1.8	2.7	8	50	4	2	0,010	●	
LNT18142 AlTiN	1.8	2.7	14	50	4	2	0,010	●	
LNT18202 AlTiN	1.8	2.7	20	50	4	2	0,010	●	
LNT20062 AlTiN	2	3	6	50	4	2	0,010	●	
LNT20082 AlTiN	2	3	8	50	4	2	0,010	●	
LNT20102 AlTiN	2	3	10	50	4	2	0,010	●	
LNT20122 AlTiN	2	3	12	50	4	2	0,010	●	
LNT20142 AlTiN	2	3	14	50	4	2	0,010	●	
LNT20162 AlTiN	2	3	16	50	4	2	0,010	●	
LNT20182 AlTiN	2	3	18	50	4	2	0,010	●	
LNT20202 AlTiN	2	3	20	50	4	2	0,010	●	
LNT25082 AlTiN	2.5	4	8	50	4	2	0,010	●	
LNT25102 AlTiN	2.5	4	10	50	4	2	0,010	●	
LNT25122 AlTiN	2.5	4	12	50	4	2	0,010	●	
LNT25142 AlTiN	2.5	4	14	50	4	2	0,010	●	
LNT25162 AlTiN	2.5	4	16	50	4	2	0,010	●	
LNT25202 AlTiN	2.5	4	20	50	4	2	0,010	●	
LNT30082 AlTiN	3	4.5	8	50	6	2	0,020	●	
LNT30102 AlTiN	3	4.5	10	50	6	2	0,020	●	
LNT30122 AlTiN	3	4.5	12	50	6	2	0,020	●	
LNT30162 AlTiN	3	4.5	16	60	6	2	0,020	●	
LNT30202 AlTiN	3	4.5	20	60	6	2	0,020	●	
LNT30252 AlTiN	3	4.5	25	75	6	2	0,020	●	
LNT35122 AlTiN	3.5	6	12	50	6	2	0,020	●	
LNT35162 AlTiN	3.5	6	16	60	6	2	0,020	●	
LNT35202 AlTiN	3.5	6	20	75	6	2	0,020	●	
LNT35252 AlTiN	3.5	6	25	75	6	2	0,020	●	
LNT35302 AlTiN	3.5	6	30	75	6	2	0,020	●	
LNT40122 AlTiN	4	6	12	50	6	2	0,020	●	
LNT40162 AlTiN	4	6	16	60	6	2	0,020	●	
LNT40202 AlTiN	4	6	20	75	6	2	0,020	●	
LNT40252 AlTiN	4	6	25	75	6	2	0,020	●	
LNT40302 AlTiN	4	6	30	75	6	2	0,020	●	
LNT40352 AlTiN	4	6	35	75	6	2	0,020	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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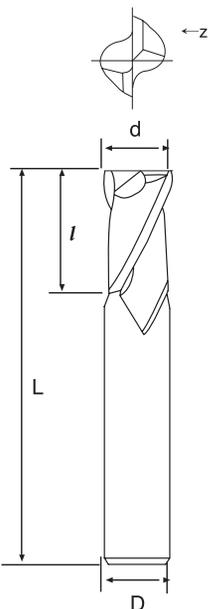


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MILLING
MINIMILL
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MICROTOOLS AMS
MINITOLS
GROOVING
MCDRILLS
NICECUT
YES DRILLS
SLIM CHUCK
INSERTS
WGK

SQUARE SERIES- 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



SSE
MSE
SE

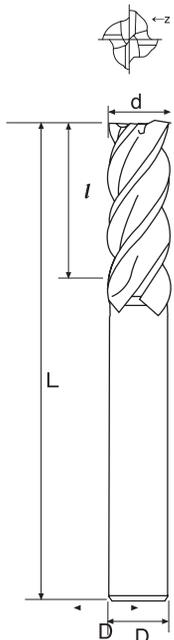
	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
SSE0102 TiSiN	1	3	50	3	2	0,020	○	
MSE0102 TiSiN	1	3	50	4	2	0,020	●	
SSE0152 TiSiN	1.5	4	50	3	2	0,020	○	
MSE0152 TiSiN	1.5	4	50	4	2	0,020	●	
SSE0202 TiSiN	2	6	50	3	2	0,020	○	
MSE0202 TiSiN	2	6	50	4	2	0,020	●	
SSE0252 TiSiN	2.5	8	50	3	2	0,020	○	
MSE0252 TiSiN	2.5	8	50	4	2	0,020	●	
SSE0302 TiSiN	3	8	50	3	2	0,020	○	
MSE0302 TiSiN	3	8	50	4	2	0,020	●	
MSE0352 TiSiN	3.5	10	50	4	2	0,020	●	
MSE0402 TiSiN	4	11	50	4	2	0,020	●	
SE0102 TiSiN	1	3	50	6	2	0,020	●	
SE0152 TiSiN	1.5	4	50	6	2	0,020	●	
SE0202 TiSiN	2	6	50	6	2	0,020	●	
SE0252 TiSiN	2.5	8	50	6	2	0,020	●	
SE0302 TiSiN	3	8	50	6	2	0,020	●	
SE0352 TiSiN	3.5	10	50	6	2	0,020	●	
SE0402 TiSiN	4	11	50	6	2	0,020	●	
SE0452 TiSiN	4.5	13	50	6	2	0,020	●	
SE0502 TiSiN	5	13	50	6	2	0,020	●	
SE0552 TiSiN	5.5	13	50	6	2	0,020	●	
SE0602 TiSiN	6	16	50	6	2	0,020	●	
SE0652 TiSiN	6.5	16	60	8	2	0,040	●	
SE0702 TiSiN	7	16	60	8	2	0,040	●	
SE0752 TiSiN	7.5	19	60	8	2	0,040	●	
SE0802 TiSiN	8	20	60	8	2	0,040	●	
SE0852 TiSiN	8.5	20	75	10	2	0,080	●	
SE0902 TiSiN	9	20	75	10	2	0,080	●	
SE0952 TiSiN	9.5	25	75	10	2	0,080	●	
SE1002 TiSiN	10	25	75	10	2	0,080	●	
SE1052 TiSiN	10.5	25	75	12	2	0,100	●	
SE1102 TiSiN	11	30	75	12	2	0,110	●	
SE1152 TiSiN	11.5	30	75	12	2	0,110	●	
SE1202 TiSiN	12	32	75	12	2	0,110	●	
SE1402 TiSiN	14	40	100	16	2	0,240	●	
SE1602 TiSiN	16	40	100	16	2	0,290	●	
SE1802 TiSiN	18	45	100	20	2	0,360	●	
SE2002 TiSiN	20	45	100	20	2	0,390	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

SQUARE SERIES-4 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6



SSE MSE SE	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
SSE0104 TiSiN	1	3	50	3	4	0,020	○	
MSE0104 TiSiN	1	3	50	4	4	0,020	●	
SSE0154 TiSiN	1.5	4	50	3	4	0,020	○	
MSE0154 TiSiN	1.5	4	50	4	4	0,020	●	
SSE0204 TiSiN	2	6	50	3	4	0,020	○	
MSE0204 TiSiN	2	6	50	4	4	0,020	●	
SSE0254 TiSiN	2.5	8	50	3	4	0,020	○	
MSE0254 TiSiN	2.5	8	50	4	4	0,020	●	
SSE0304 TiSiN	3	8	50	3	4	0,020	○	
MSE0304 TiSiN	3	8	50	4	4	0,020	●	
MSE0354 TiSiN	3.5	10	50	4	4	0,020	●	
MSE0404 TiSiN	4	11	50	4	4	0,020	●	
SE0104 TiSiN	1	3	50	6	4	0,020	●	
SE0154 TiSiN	1.5	4	50	6	4	0,020	●	
SE0204 TiSiN	2	6	50	6	4	0,020	●	
SE0254 TiSiN	2.5	8	50	6	4	0,020	●	
SE0304 TiSiN	3	8	50	6	4	0,020	●	
SE0354 TiSiN	3.5	10	50	6	4	0,020	●	
SE0404 TiSiN	4	11	50	6	4	0,020	●	
SE0454 TiSiN	4.5	13	50	6	4	0,020	●	
SE0504 TiSiN	5	13	50	6	4	0,020	●	
SE0554 TiSiN	5.5	13	50	6	4	0,020	●	
SE0604 TiSiN	6	16	50	6	4	0,040	●	
SE0654 TiSiN	6.5	16	60	8	4	0,040	●	
SE0704 TiSiN	7	16	60	8	4	0,040	●	
SE0754 TiSiN	7.5	19	60	8	4	0,040	●	
SE0804 TiSiN	8	20	60	8	4	0,040	●	
SE0854 TiSiN	8.5	20	75	10	4	0,080	●	
SE0904 TiSiN	9	20	75	10	4	0,080	●	
SE0954 TiSiN	9.5	25	75	10	4	0,080	●	
SE1004 TiSiN	10	30	75	10	4	0,080	●	
SE1054 TiSiN	10.5	30	75	12	4	0,100	●	
SE1104 TiSiN	11	30	75	12	4	0,110	●	
SE1154 TiSiN	11.5	30	75	12	4	0,110	●	
SE1204 TiSiN	12	32	75	12	4	0,110	●	
SE1404 TiSiN	14	40	100	16	4	0,240	●	
SE1604 TiSiN	16	40	100	16	4	0,290	●	
SE1804 TiSiN	18	45	100	20	4	0,360	●	
SE2004 TiSiN	20	45	100	20	4	0,390	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminu alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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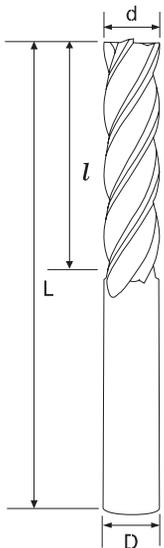
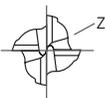


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MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS
SLIM CHUCK
INSERTS
WGK

SQUARE SERIES-LONG FLUTE-4 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



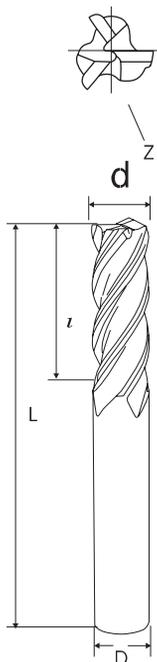
LET	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
LET0104 TiSiN	1	6	50	4	4	0,020	●	
LET0154 TiSiN	1.5	9	50	4	4	0,020	●	
LET0204 TiSiN	2	12	50	4	4	0,020	●	
LET0254 TiSiN	2.5	12	50	4	4	0,020	●	
LET0304 TiSiN	3	15	60	6	4	0,020	●	
LET0354 TiSiN	3,5	15	60	6	4	0,020	●	
LET0404 TiSiN	4	20	75	6	4	0,020	●	
LET0454 TiSiN	4.5	20	75	6	4	0,030	●	
LET0504 TiSiN	5	25	75	6	4	0,030	●	
LET0554 TiSiN	5.5	25	75	6	4	0,030	●	
LET0604 TiSiN	6	30	75	6	4	0,030	●	
LET0704 TiSiN	7	30	100	8	4	0,060	●	
LET0804 TiSiN	8	40	100	8	4	0,070	●	
LET0904 TiSiN	9	40	100	10	4	0,090	●	
LET1004 TiSiN	10	40	100	10	4	0,110	●	
LET1104 TiSiN	11	40	100	12	4	0,140	●	
LET1204 TiSiN	12	50	100	12	4	0,140	●	
LET1404 TiSiN	14	50	150	16	4	0,350	●	
LET1604 TiSiN	16	60	150	16	4	0,370	●	
LET2004 TiSiN	20	90	200	20	4	0,720	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

SQUARE SERIES-FLUTE ANGLE 45°-3 FLUTES

- Micro Grain Carbide
- WC=88 Co=12 HRA=92.4 Rupture=3950N/mm² Grain Size=0.5 m



MPE PE	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
MPE0103 TiSiN	1	3	50	4	3	0,010	●	
MPE0153 TiSiN	1.5	4	50	4	3	0,020	●	
MPE0203 TiSiN	2	6	50	4	3	0,020	●	
MPE0253 TiSiN	2.5	8	50	4	3	0,020	●	
MPE3303 TiSiN	3	8	50	3	3	0,020	●	
MPE303 TiSiN	3	8	50	4	3	0,020	●	
MPE0353 TiSiN	3.5	10	50	4	3	0,020	●	
MPE0403 TiSiN	4	11	50	4	3	0,020	●	
PE0103 TiSiN	1	3	50	6	3	0,020	●	
PE0153 TiSiN	1.5	4	50	6	3	0,020	●	
PE0203 TiSiN	2	6	50	6	3	0,020	●	
PE0253 TiSiN	2.5	8	50	6	3	0,020	●	
PE0303 TiSiN	3	8	50	6	3	0,020	●	
PE0353 TiSiN	3.5	10	50	6	3	0,020	●	
PE0403 TiSiN	4	11	50	6	3	0,020	●	
PE0453 TiSiN	4.5	13	50	6	3	0,020	●	
PE0503 TiSiN	5	13	50	6	3	0,020	●	
PE0553 TiSiN	5.5	13	50	6	3	0,020	●	
PE0603 TiSiN	6	16	50	6	3	0,020	●	
PE0653 TiSiN	6.5	16	60	8	3	0,040	●	
PE0703 TiSiN	7	16	60	8	3	0,040	●	
PE0753 TiSiN	7.5	19	60	8	3	0,040	●	
PE0803 TiSiN	8	20	60	8	3	0,040	●	
PE0853 TiSiN	8.5	20	75	10	3	0,080	●	
PE0903 TiSiN	9	20	75	10	3	0,080	●	
PE0953 TiSiN	9.5	25	75	10	3	0,080	●	
PE1003 TiSiN	10	30	75	10	3	0,080	●	
PE1053 TiSiN	10.5	30	75	12	3	0,100	●	
PE1103 TiSiN	11	30	75	12	3	0,110	●	
PE1153 TiSiN	11.5	30	75	12	3	0,110	●	
PE1203 TiSiN	12	32	75	12	3	0,110	●	
PE1403 TiSiN	14	40	100	16	3	0,240	●	
PE1603 TiSiN	16	40	100	16	3	0,290	●	
PE1803 TiSiN	18	45	100	20	3	0,360	●	
PE2003 TiSiN	20	45	100	20	3	0,390	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel	High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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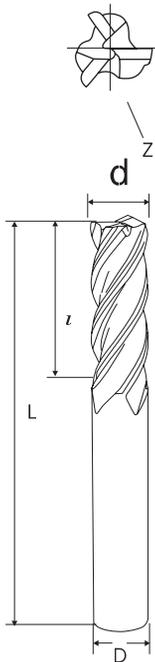


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MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOLS
GROOVING
MC DRILLS
NICECUT
YES DRILLS
SLIM CHUCK
INSERTS
WGK

SQUARE SERIES-FLUTE ANGLE 45°-4 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



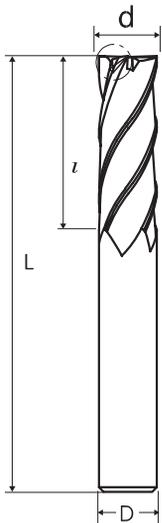
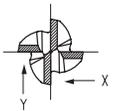
MPE PE	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
MPE0104 TiSiN	1	3	50	4	4	0,010	●	
MPE0154 TiSiN	1.5	4	50	4	4	0,020	●	
MPE0204 TiSiN	2	6	50	4	4	0,020	●	
MPE0254 TiSiN	2.5	8	50	4	4	0,020	●	
MPE3304 TiSiN	3	8	50	3	4	0,020	●	
MPE0304 TiSiN	3	8	50	4	4	0,020	●	
MPE0354 TiSiN	3.5	10	50	4	4	0,020	●	
MPE0404 TiSiN	4	11	50	4	4	0,020	●	
PE0104 TiSiN	1	3	50	6	4	0,020	●	
PE0154 TiSiN	1.5	4	50	6	4	0,020	●	
PE0204 TiSiN	2	6	50	6	4	0,020	●	
PE0254 TiSiN	2.5	8	50	6	4	0,020	●	
PE0304 TiSiN	3	8	50	6	4	0,020	●	
PE0354 TiSiN	3.5	10	50	6	4	0,020	●	
PE0404 TiSiN	4	11	50	6	4	0,020	●	
PE0454 TiSiN	4.5	13	50	6	4	0,020	●	
PE0504 TiSiN	5	13	50	6	4	0,020	●	
PE0554 TiSiN	5.5	13	50	6	4	0,020	●	
PE0604 TiSiN	6	16	50	6	4	0,020	●	
PE0654 TiSiN	6.5	16	60	8	4	0,040	●	
PE0704 TiSiN	7	16	60	8	4	0,040	●	
PE0754 TiSiN	7.5	19	60	8	4	0,040	●	
PE0804 TiSiN	8	20	60	8	4	0,040	●	
PE0854 TiSiN	8.5	20	75	10	4	0,080	●	
PE0904 TiSiN	9	20	75	10	4	0,080	●	
PE0954 TiSiN	9.5	25	75	10	4	0,080	●	
PE1004 TiSiN	10	30	75	10	4	0,080	●	
PE1054 TiSiN	10.5	30	75	12	4	0,100	●	
PE1104 TiSiN	11	30	75	12	4	0,110	●	
PE1154 TiSiN	11.5	30	75	12	4	0,110	●	
PE1204 TiSiN	12	32	75	12	4	0,110	●	
PE1404 TiSiN	14	40	100	16	4	0,240	●	
PE1604 TiSiN	16	40	100	16	4	0,290	●	
PE1804 TiSiN	18	45	100	20	4	0,360	●	
PE2004 TiSiN	20	45	100	20	4	0,390	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

SQUARE SERIES - FLUTE ANGLE 35° / 38° - 4 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 μm



DH	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
DH0104 TiSiN	1	3	50	6	4	0,020	○	
DH0154 TiSiN	1,5	4	50	6	4	0,020	○	
DH0204 TiSiN	2	6	50	6	4	0,020	○	
DH0304 TiSiN	3	8	50	6	4	0,020	○	
DH0404 TiSiN	4	11	50	6	4	0,020	○	
DH0604 TiSiN	6	16	50	6	4	0,020	○	
DH0804 TiSiN	8	20	60	8	4	0,040	○	
DH1004 TiSiN	10	30	75	10	4	0,080	○	
DH1204 TiSiN	12	32	75	12	4	0,110	○	
DH1604 TiSiN	16	40	100	16	4	0,290	○	
DH2004 TiSiN	20	45	100	20	4	0,390	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	-

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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SQUARE SERIES - FOR HARD MATERIAL - MULTIPLE FLUTE

- Ultra Fine Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.4 μm

400
NanoHRC
▶ 60

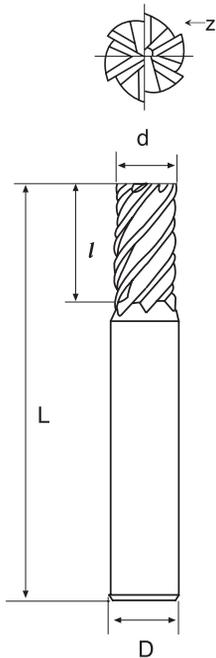
45°

BS



UVT

	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
UVT0204 ALTiN	2	4	50	4	4	0,010	○	
UVT0304 ALTiN	3	6	50	6	4	0,020	○	
UVT0404 ALTiN	4	8	50	6	4	0,020	○	
UVT0506 ALTiN	5	13	50	6	6	0,020	○	
UVT0606 ALTiN	6	16	50	6	6	0,020	○	
UVT0806 ALTiN	8	20	60	8	6	0,050	○	
UVT1006 ALTiN	10	30	75	10	6	0,090	○	
UVT1206 ALTiN	12	32	75	12	6	0,120	○	
UVT1606 ALTiN	16	40	100	16	6	0,400	○	
UVT2008 ALTiN	20	45	100	20	8	0,600	○	
UVT2508 ALTiN	25	45	100	25	8	0,940	○	
ULVT0606 ALTiN	6	25	75	6	6	0,020	○	
ULVT0806 ALTiN	8	30	75	8	6	0,050	○	
ULVT1006 ALTiN	10	40	100	10	6	0,090	○	
ULVT1206 ALTiN	12	45	100	12	6	0,120	○	
ULVT1606 ALTiN	16	65	150	16	6	0,400	○	
ULVT2008 ALTiN	20	75	150	20	8	0,600	○	
ULVT2508 ALTiN	25	80	150	25	8	0,940	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	-	-

SQUARE SERIES - FOR HARD MATERIAL - MULTIPLE FLUTE

- Super Ultra Fine Micro Grain Carbide
- WC=91 Co=9 HRA=93.2 Rupture=4000N/mm² Grain Size=0.2µm

200
Nano

HRC
65

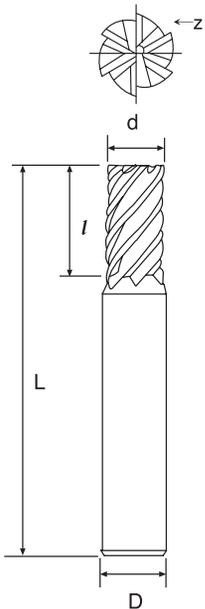
45°

SI



SFULVT

	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
SFUVT0606 nACo	6	15	60	6	6	0,020	○	
SFUVT0806 nACo	8	20	60	8	6	0,050	○	
SFUVT1006 nACo	10	25	75	10	6	0,090	○	
SFUVT1206 nACo	12	30	75	12	6	0,120	○	
SFUVT1606 nACo	16	45	100	16	6	0,400	○	
SFUVT2008 nACo	20	45	100	20	8	0,600	○	
SFUVT2508 nACo	25	45	100	25	8	0,940	○	
SFULVT0606 nACo	6	25	75	6	6	0,020	○	
SFULVT0806 nACo	8	35	100	8	6	0,050	○	
SFULVT1006 nACo	10	45	100	10	6	0,090	○	
SFULVT1206 nACo	12	50	100	12	6	0,120	○	
SFULVT1606 nACo	16	65	150	16	6	0,400	○	
SFULVT2008 nACo	20	75	150	20	8	0,600	○	
SFULVT2508 nACo	25	80	150	25	8	0,940	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminun alloy
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

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143

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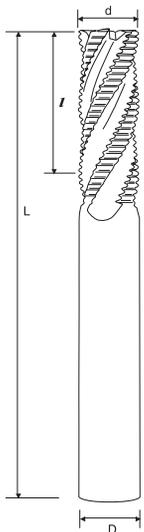
SLIM CHUCK

INSERTS

WGK

FINE PITCH ROUGHING SERIES

- Micro Grain Carbide
- WC=88 Co=12 HRA=92.4 Rupture=3950N/mm² Grain Size=0.51µm



NTA	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
NTA0504 AlTiN	5	13	50	6	4	0,020	○	
NTA0604 AlTiN	6	16	50	6	4	0,020	○	
NTA0704 AlTiN	7	16	60	8	4	0,040	○	
NTA0804 AlTiN	8	19	60	8	4	0,040	○	
NTA0904 AlTiN	9	25	75	10	4	0,080	○	
NTA1004 AlTiN	10	25	75	10	4	0,080	○	
NTA1104 AlTiN	11	30	75	12	4	0,110	○	
NTA1204 AlTiN	12	30	75	12	4	0,110	○	
NTA1404 AlTiN	14	35	100	16	4	0,260	○	
NTA1504 AlTiN	15	35	100	16	4	0,270	○	
NTA1604 AlTiN	16	35	100	16	4	0,280	○	
NTA2004 AlTiN	20	45	100	20	4	0,400	○	

Application: Recommend Suitable Not Recommend

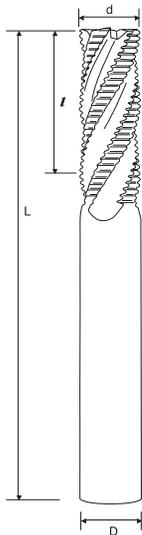
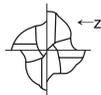
Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ROUGHING SERIES

- Micro Grain Carbide
- WC=88 Co=12 HRA=92.4 Rupture=3950N/mm² Grain Size=0.51µm



XTA	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
XTA0504 AlTiN	5	13	50	6	4	0,020	○	
XTA0604 AlTiN	6	16	50	6	4	0,020	○	
XTA0704 AlTiN	7	16	60	8	4	0,040	○	
XTA0804 AlTiN	8	19	60	8	4	0,040	○	
XTA0904 AlTiN	9	25	75	10	4	0,080	○	
XTA1004 AlTiN	10	25	75	10	4	0,080	○	
XTA1104 AlTiN	11	30	75	12	4	0,110	○	
XTA1204 AlTiN	12	30	75	12	4	0,110	○	
XTA1604 AlTiN	16	35	100	16	4	0,280	○	
XTA2004 AlTiN	20	45	100	20	4	0,400	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminun alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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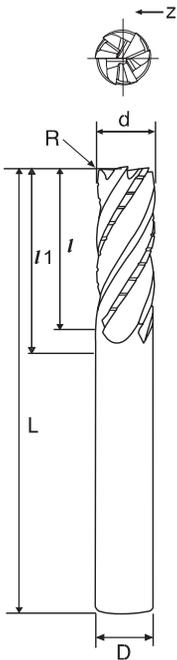
KKF MULTI FLUTES HIGH EFFICIENCY

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm

400
NanoHRC
▶ 45

35°

nACRo



KKF	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKF0602	6	16	50	6	2	0,020	○	
KKF0802	8	19	60	8	2	0,040	○	
KKF1002	10	25	75	10	2	0,080	○	
KKF1202	12	30	75	12	2	0,080	○	
KKF1602	16	35	110	16	2	0,280	○	
KKF2002	20	45	110	20	2	0,400	○	

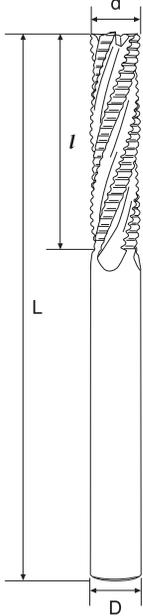
KKF	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKF0603	6	16	50	6	3	0,020	○	
KKF0803	8	19	60	8	3	0,040	○	
KKF1003	10	25	75	10	3	0,080	○	
KKF1203	12	30	75	12	3	0,110	○	
KKF1603	16	35	110	16	3	0,280	○	
KKF2003	20	45	110	20	3	0,400	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
■	■	■	□	□	-	-	-	-

KKR MULTI FLUTES HIGH EFFICIENCY

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm



KKR	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKR0602	6	16	50	6	2	0,020	○	
KKR0802	8	19	60	8	2	0,040	○	
KKR1002	10	25	75	10	2	0,080	○	
KKR1202	12	30	75	12	2	0,110	○	
KKR1602	16	35	110	16	2	0,280	○	
KKR2002	20	45	110	20	2	0,400	○	
KKR2502	25	50	110	25	2	0,670	○	

KKR	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKR0603	6	16	50	6	3	0,020	○	
KKR0803	8	19	60	8	3	0,040	○	
KKR1003	10	25	75	10	3	0,080	○	
KKR1203	12	30	75	12	3	0,110	○	
KKR1603	16	35	110	16	3	0,280	○	
KKR2003	20	45	110	20	3	0,400	○	
KKR2503	25	50	110	25	3	0,670	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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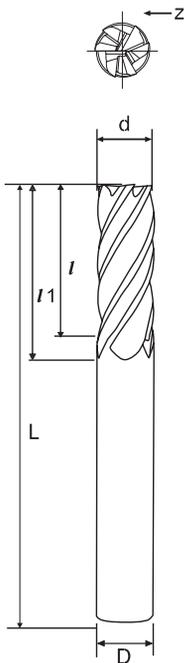
KKM MULTI FLUTES HIGH EFFICIENCY

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41Jm

400
NanoHRC
55

35°

TiSiN



KKM	Diameter d	Flute Length l	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
KKM0602	6	16	50	6	2	0,020	○	
KKM0802	8	19	60	8	2	0,040	○	
KKM1002	10	22	75	10	2	0,080	○	
KKM1202	12	26	75	12	2	0,110	○	
KKM1602	16	35	110	16	2	0,280	○	
KKM2002	20	40	110	20	2	0,400	○	
KKM2502	25	45	110	25	2	0,670	○	

KKM	Diameter d	Flute Length l	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
KKM0603	6	16	50	6	3	0,020	○	
KKM0803	8	19	60	8	3	0,040	○	
KKM1003	10	25	75	10	3	0,080	○	
KKM1203	12	30	75	12	3	0,110	○	
KKM1603	16	40	110	16	3	0,280	○	
KKM2003	20	45	110	20	3	0,400	○	
KKM2503	25	50	110	25	3	0,670	○	

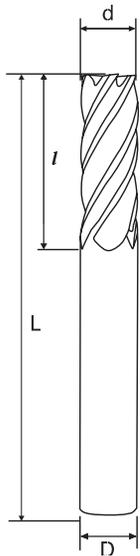
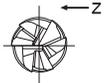
KKM	Diameter d	Flute Length l	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
KKM1004	10	25	75	10	4	0,080	○	
KKM1204	12	30	75	12	4	0,110	○	
KKM1604	16	40	110	16	4	0,280	○	
KKM2004	20	45	110	20	4	0,400	○	
KKM2504	25	50	110	25	4	0,670	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	-	-

KKH MULTI FLUTES HIGH EFFICIENCY

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm



KKH	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKH0602	6	16	50	6	2	0,020	○	
KKH0802	8	19	60	8	2	0,040	○	
KKH1002	10	22	75	10	2	0,080	○	
KKH1202	12	26	75	12	2	0,110	○	
KKH1602	16	35	110	16	2	0,280	○	
KKH2002	20	40	110	20	2	0,400	○	
KKH2502	25	45	110	25	2	0,670	○	

KKH	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKH0603	6	16	50	6	3	0,020	○	
KKH0803	8	19	60	8	3	0,040	○	
KKH1003	10	25	75	10	3	0,080	○	
KKH1203	12	30	75	12	3	0,110	○	
KKH1603	16	40	110	16	3	0,280	○	
KKH2003	20	45	110	20	3	0,400	○	
KKH2503	25	50	110	25	3	0,670	○	

KKH	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
KKH1004	10	25	75	10	4	0,080	○	
KKH1204	12	30	75	12	4	0,110	○	
KKH1604	16	40	110	16	4	0,280	○	
KKH2004	20	45	110	20	4	0,400	○	
KKH2504	25	50	110	25	4	0,670	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	High-hardened ~50HRC	~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

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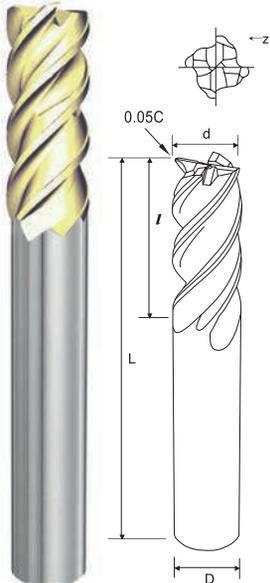
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INSERTS

WGK

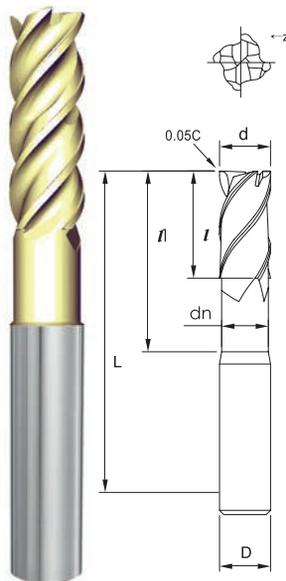
KKM MULTI FLUTES HIGH EFFICIENCY

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41Jm

400
PLUSHRC
45

PVE

	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	Corner Chamfer Width	KG	STOCK	PRICELIST on
	d	l	L	D	Z	C			
PVE1T0404	4	8	50	6	4	0.2	0,021	○	
PVE1T0504	5	10	50	6	4	0.25	0,021	○	
PVE1T0604	6	12	50	6	4	0.3	0,021	○	
PVE1T0804	8	19	60	8	4	0.4	0,047	○	
PVE1T1004	10	23	75	10	4	0.5	0,090	○	
PVE1T1204	12	27	75	12	4	0.6	0,118	○	
PVE1T1604	16	32	100	16	4	0.8	0,270	○	
PVE1T2004	20	39	100	20	4	1	0,390	○	



PNVE

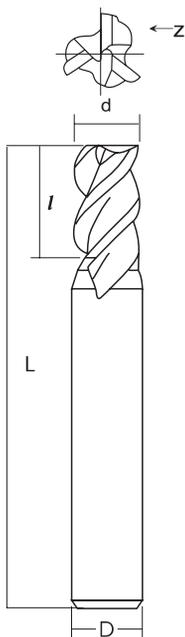
	Diameter	Flute Length	Efficient Leng	Full Length	Shank Diameter	Flutes	Corner Chamfer Width	Neck Diameter	KG	STOCK	PRICELIST on
	d	l	l1	L	D	Z	C	dn			
PNVE1T0404	4	6	22	75	6	4	0.2	3.7	0,026	○	
PNVE1T0504	5	8	24	75	6	4	0.25	4.6	0,026	○	
PNVE1T0604	6	9	26	75	6	4	0.3	5.5	0,026	○	
PNVE1T0804	8	12	35	100	8	4	0.4	7.4	0,073	○	
PNVE1T1004	10	15	43	120	10	4	0.5	9.2	0,140	○	
PNVE1T1204	12	18	51	120	12	4	0.6	11	0,240	○	
PNVE1T1604	16	24	59	120	16	4	0.8	15	0,360	○	

Application: Recommend Suitable Not Recommend

Pre-harden steel	High-hardened	carbon steel, Alloy steel	Stainless steel	Titanium alloy	Nickel/ Inconel alloy	Copper alloy	Aluminun alloy
<30HRC	30~40HRC	40~50HRC	50~65HRC				
-	■	□	-	-	■	■	-

HPSS SUPER PLUGGING+SLOTTING

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm



HPSS	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
HPSS0200	2	4	50	6	3	0,020	○	
HPSS0250	2.5	5	50	6	3	0,020	○	
HPSS0300	3	6	50	6	3	0,020	○	
HPSS0350	3.5	8	50	6	3	0,020	○	
HPSS0400	4	8	50	6	3	0,020	○	
HPSS0450	4.5	10	50	6	3	0,020	○	
HPSS0500	5	10	50	6	3	0,020	○	
HPSS0550	5.5	13	50	6	3	0,020	○	
HPSS0600	6	13	60	6	3	0,020	○	
HPSS0650	6.5	16	60	8	3	0,020	○	
HPSS0700	7	16	60	8	3	0,040	○	
HPSS0750	7.5	16	60	8	3	0,040	○	
HPSS0800	8	19	60	8	3	0,040	○	
HPSS0850	8.5	19	75	10	3	0,080	○	
HPSS0900	9	19	75	10	3	0,080	○	
HPSS0950	9.5	19	75	10	3	0,080	○	
HPSS1000	10	22	75	10	3	0,090	○	
HPSS1100	11	22	75	12	3	0,110	○	
HPSS1200	12	26	100	12	3	0,150	○	
HPSS1300	13	26	100	14	3	0,180	○	
HPSS1400	14	26	100	14	3	0,200	○	
HPSS1500	15	26	100	16	3	0,230	○	
HPSS1600	16	30	100	16	3	0,260	○	
HPSS2000	20	32	100	20	3	0,380	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	High-hardened ~50HRC	~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	-	-	-	-

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

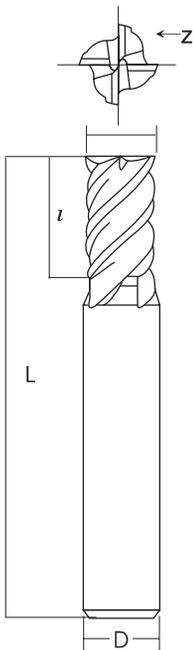
FHPS 4 FLUTES • SHORT – (HEAVY- DUTY OPERATION TYPE)

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm

400
NanoHRC
60

45°

nBS



FHPS	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
FHPS020	2	3	50	6	4	0,020	●	
FHPS021	2.1	3.2	50	6	4	0,020	●	
FHPS022	2.2	3.3	50	6	4	0,020	●	
FHPS023	2.3	3.5	50	6	4	0,020	●	
FHPS024	2.4	3.6	50	6	4	0,020	●	
FHPS025	2.5	3.8	50	6	4	0,020	●	
FHPS026	2.6	3.9	50	6	4	0,020	●	
FHPS027	2.7	4.1	50	6	4	0,020	●	
FHPS028	2.8	4.2	50	6	4	0,020	●	
FHPS029	2.9	4.4	50	6	4	0,020	●	
FHPS030	3	4.5	50	6	4	0,020	●	
FHPS031	3.1	4.7	50	6	4	0,020	●	
FHPS032	3.2	4.8	50	6	4	0,020	●	
FHPS033	3.3	5	50	6	4	0,020	●	
FHPS034	3.4	5.1	50	6	4	0,020	●	
FHPS035	3.5	5.3	50	6	4	0,020	●	
FHPS036	3.6	5.4	50	6	4	0,020	●	
FHPS037	3.7	5.6	50	6	4	0,020	●	
FHPS038	3.8	5.7	50	6	4	0,020	●	
FHPS039	3.9	5.9	50	6	4	0,020	●	
FHPS040	4	6	50	6	4	0,020	●	
FHPS041	4.1	6.2	50	6	4	0,020	●	
FHPS042	4.2	6.3	50	6	4	0,020	●	
FHPS043	4.3	6.5	50	6	4	0,020	●	
FHPS044	4.4	6.6	50	6	4	0,020	●	
FHPS045	4.5	6.8	50	6	4	0,020	●	
FHPS046	4.6	6.9	50	6	4	0,020	●	
FHPS047	4.7	7.1	50	6	4	0,020	●	
FHPS048	4.8	7.2	50	6	4	0,020	●	
FHPS049	4.9	7.4	50	6	4	0,020	●	
FHPS050	5	7.5	50	6	4	0,020	●	
FHPS051	5.1	7.7	50	6	4	0,020	●	
FHPS052	5.2	7.8	50	6	4	0,020	●	
FHPS053	5.3	8	50	6	4	0,020	●	
FHPS054	5.4	8.1	50	6	4	0,020	●	
FHPS055	5.5	8.3	50	6	4	0,020	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
■	■	■	□	□	-	-	-	-

HPSS SUPER PLUGGING+SLOTING

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.4 m



FHPS	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
FHPS056	5.6	8.4	50	6	4	0,020	●	
FHPS057	5.7	8.6	50	6	4	0,020	●	
FHPS058	5.8	8.7	50	6	4	0,020	●	
FHPS059	5.9	8.9	50	6	4	0,020	●	
FHPS060	6	9	50	6	4	0,020	●	
FHPS061	6.1	9.2	60	8	4	0,040	●	
FHPS062	6.2	9.3	60	8	4	0,040	●	
FHPS063	6.3	9.5	60	8	4	0,040	●	
FHPS064	6.4	9.6	60	8	4	0,040	●	
FHPS065	6.5	9.8	60	8	4	0,040	●	
FHPS066	6.6	9.9	60	8	4	0,040	●	
FHPS067	6.7	10.1	60	8	4	0,040	●	
FHPS068	6.8	10.2	60	8	4	0,040	●	
FHPS069	6.9	10.4	60	8	4	0,040	●	
FHPS070	7	10.5	60	8	4	0,040	●	
FHPS071	7.1	10.7	60	8	4	0,040	●	
FHPS072	7.2	10.8	60	8	4	0,040	●	
FHPS073	7.3	11	60	8	4	0,040	●	
FHPS074	7.4	11.1	60	8	4	0,040	●	
FHPS075	7.5	11.3	60	8	4	0,040	●	
FHPS076	7.6	11.4	60	8	4	0,040	●	
FHPS077	7.7	11.6	60	8	4	0,040	●	
FHPS078	7.8	11.7	60	8	4	0,040	●	
FHPS079	7.9	11.9	60	8	4	0,040	●	
FHPS080	8	12	60	8	4	0,040	●	
FHPS081	8.1	12.2	75	10	4	0,080	●	
FHPS082	8.2	12.3	75	10	4	0,080	●	
FHPS083	8.3	12.5	75	10	4	0,080	●	
FHPS084	8.4	12.6	75	10	4	0,080	●	
FHPS085	8.5	12.8	75	10	4	0,080	●	
FHPS086	8.6	12.9	75	10	4	0,080	●	
FHPS087	8.7	13.1	75	10	4	0,080	●	
FHPS088	8.8	13.2	75	10	4	0,080	●	
FHPS089	8.9	13.4	75	10	4	0,080	●	
FHPS090	9	13.5	75	10	4	0,080	●	
FHPS091	9.1	13.7	75	10	4	0,080	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminun alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



153

MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

FHPS 4 FLUTES • SHORT – (HEAVY-DUTY OPERATION TYPE)

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm

400
NanoHRC
60

45°

nBS



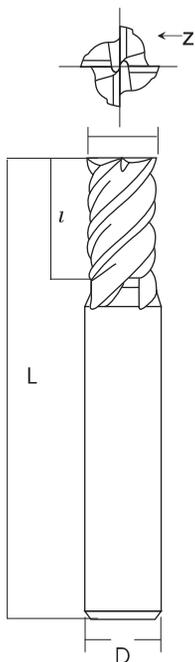
FHPS	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
FHPS092	9.2	13.8	75	10	4	0,080	●	
FHPS093	9.3	14	75	10	4	0,080	●	
FHPS094	9.4	14.1	75	10	4	0,080	●	
FHPS095	9.5	14.3	75	10	4	0,080	●	
FHPS096	9.6	14.4	75	10	4	0,080	●	
FHPS097	9.7	14.6	75	10	4	0,080	●	
FHPS098	9.8	14.7	75	10	4	0,090	●	
FHPS099	9.9	14.9	75	10	4	0,090	●	
FHPS100	10	15	75	10	4	0,100	●	
FHPS105	10.5	15.8	100	12	4	0,120	●	
FHPS110	11	16.5	100	12	4	0,150	●	
FHPS115	11.5	17.3	100	12	4	0,160	●	
FHPS120	12	18	100	12	4	0,160	●	
FHPS125	12.5	18.8	100	14	4	0,180	●	
FHPS130	13	19.5	100	14	4	0,200	●	
FHPS135	13.5	20.3	100	14	4	0,250	●	
FHPS140	14	21	100	14	4	0,260	●	
FHPS145	14.5	21.8	100	16	4	0,280	●	
FHPS150	15	22.5	100	16	4	0,280	●	
FHPS155	15.5	23.3	100	16	4	0,290	●	
FHPS160	16	24	100	16	4	0,290	●	
FHPS170	17	25.5	100	20	4	0,310	●	
FHPS180	18	27	100	20	4	0,330	●	
FHPS190	19	28.5	100	20	4	0,350	●	
FHPS200	20	30	100	20	4	0,370	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
■	■	■	□	□	-	-	-	-

UMG - CR- FHP 4 FLUTES • SHORT WITH CORNER – RADIUS (HEAVY- DUTY OPERATION TYPE)

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.41µm



CRFHP	Diameter	Corner Radius	Flute Length	Full Length	Shank Diameter	Flutes	STOCK	PRICELIST on
	d	R	l	L	D	Z		
CRFHP0302	3	0.2	8	60	6	4	0,020	●
CRFHP0305	3	0.5	8	60	6	4	0,020	●
CRFHP0402	4	0.2	11	60	6	4	0,020	●
CRFHP0405	4	0.5	11	60	6	4	0,020	●
CRFHP0410	4	1	11	60	6	4	0,020	●
CRFHP0502	5	0.2	13	60	6	4	0,020	●
CRFHP0505	5	0.5	13	60	6	4	0,020	●
CRFHP0510	5	1	13	60	6	4	0,020	●
CRFHP0603	6	0.3	13	60	6	4	0,020	●
CRFHP0605	6	0.5	13	60	6	4	0,020	●
CRFHP0610	6	1	13	60	6	4	0,020	●
CRFHP0803	8	0.3	19	60	8	4	0,040	●
CRFHP0805	8	0.5	19	60	8	4	0,050	●
CRFHP0810	8	1	19	60	8	4	0,040	●
CRFHP0815	8	1.5	19	60	8	4	0,040	●
CRFHP0820	8	2	19	60	8	4	0,040	●
CRFHP1003	10	0.3	22	75	10	4	0,090	●
CRFHP1005	10	0.5	22	75	10	4	0,080	●
CRFHP1010	10	1	22	75	10	4	0,090	●
CRFHP1015	10	1.5	22	75	10	4	0,080	●
CRFHP1020	10	2	22	75	10	4	0,080	●
CRFHP1030	10	3	22	75	10	4	0,080	●
CRFHP1205	12	0.5	26	100	12	4	0,160	●
CRFHP1210	12	1	26	100	12	4	0,150	●
CRFHP1215	12	1.5	26	100	12	4	0,150	●
CRFHP1220	12	2	26	100	12	4	0,160	●
CRFHP1230	12	3	26	100	12	4	0,160	●
CRFHP1610	16	1	35	100	16	4	0,170	●
CRFHP1615	16	1.5	35	100	16	4	0,200	●
CRFHP1620	16	2	35	100	16	4	0,290	●
CRFHP1630	16	3	35	100	16	4	0,290	●
CRFHP2010	20	1	40	100	20	4	0,330	●
CRFHP2015	20	1.5	40	100	20	4	0,360	●
CRFHP2020	20	2	40	100	20	4	0,390	●
CRFHP2030	20	3	40	100	20	4	0,410	●

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



155

MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

CORNER RADIUS SERIES - 3 FLUTES

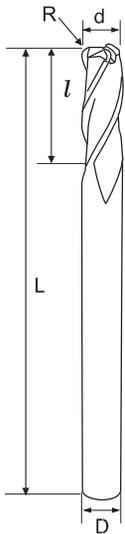
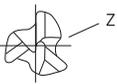
- Micro Grain Carbide
- WC=88 Co=12 HRA=92.4 Rupture=3950N/mm² Grain Size=0.5 m

500
NanoHRC
50

30°

R

TiSiN



SURTA

	Diameter	Radius of Ball Nose	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	L	D	Z			
SURTA0200203 TiSiN	2	0.2	6	50	4	3	0,010	○	
SURTA0200253 TiSiN	2	0.25	6	50	4	3	0,010	○	
SURTA0200303 TiSiN	2	0.3	6	50	4	3	0,010	○	
SURTA0200503 TiSiN	2	0.5	6	50	4	3	0,010	○	
SURTA0300203 TiSiN	3	0.2	10	50	3	3	0,010	○	
SURTA0300303 TiSiN	3	0.3	10	50	3	3	0,010	○	
SURTA0300503 TiSiN	3	0.5	10	50	3	3	0,010	○	
SURTA0301003 TiSiN	3	1	10	50	3	3	0,010	○	
SURTA4300203 TiSiN	3	0.2	10	50	4	3	0,110	○	
SURTA4300253 TiSiN	3	0.25	10	50	4	3	0,110	○	
SURTA4300303 TiSiN	3	0.3	10	50	4	3	0,110	○	
SURTA4300503 TiSiN	3	0.5	10	50	4	3	0,110	○	
SURTA4300753 TiSiN	3	0.75	10	50	4	3	0,110	○	
SURTA4301003 TiSiN	3	1	10	50	4	3	0,110	○	
SURTA0400203 TiSiN	4	0.2	13	60	4	3	0,010	○	
SURTA0400253 TiSiN	4	0.25	13	60	4	3	0,010	○	
SURTA0400303 TiSiN	4	0.3	13	60	4	3	0,010	○	
SURTA0400503 TiSiN	4	0.5	13	60	4	3	0,020	○	
SURTA0400753 TiSiN	4	0.75	13	60	4	3	0,020	○	
SURTA0401003 TiSiN	4	1	13	60	4	3	0,020	○	
SURTA0500203 TiSiN	5	0.2	15	60	5	3	0,020	○	
SURTA0500253 TiSiN	5	0.25	15	60	5	3	0,020	○	
SURTA0500303 TiSiN	5	0.3	15	60	5	3	0,020	○	
SURTA0500503 TiSiN	5	0.5	15	60	5	3	0,020	○	
SURTA0500753 TiSiN	5	0.75	15	60	5	3	0,020	○	
SURTA0501003 TiSiN	5	1	15	60	5	3	0,030	○	
SURTA0600203 TiSiN	6	0.2	16	70	6	3	0,030	○	
SURTA0600253 TiSiN	6	0.25	16	70	6	3	0,030	○	
SURTA0600303 TiSiN	6	0.3	16	70	6	3	0,030	○	

Application: Recommend Suitable Not RecommendCarbon steel,
Alloy steelPre-hardened
steel

High-hardened

Stainless
steelCopper
alloyAluminum
alloy

~45HRC

~50HRC

~55HRC

~60HRC

~65HRC

■

■

□

□

□

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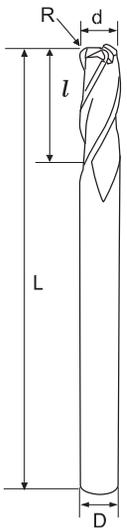
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□

□

CORNER RADIUS SERIES - 3 FLUTES

- Micro Grain Carbide
- WC=88 Co=12 HRA=92. 4 Rupture= 3950N/mm² Grain Size=0 .5 m



SURTA		Diameter	Radius of Ball Nose	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
		d	R	l	L	D	Z			
SURTA0600503	TiSiN	6	0.5	16	70	6	3	0,030	○	
SURTA0600753	TiSiN	6	0.75	16	70	6	3	0,030	○	
SURTA0601003	TiSiN	6	1	16	70	6	3	0,030	○	
SURTA0601253	TiSiN	6	1.25	16	70	6	3	0,030	○	
SURTA0601503	TiSiN	6	1.5	16	70	6	3	0,050	○	
SURTA0800253	TiSiN	8	0.25	23	70	8	3	0,050	○	
SURTA0800303	TiSiN	8	0.3	23	70	8	3	0,050	○	
SURTA0800503	TiSiN	8	0.5	23	70	8	3	0,050	○	
SURTA0800753	TiSiN	8	0.75	23	70	8	3	0,050	○	
SURTA0801003	TiSiN	8	1	23	70	8	3	0,050	○	
SURTA0801253	TiSiN	8	1.25	23	70	8	3	0,050	○	
SURTA0801503	TiSiN	8	1.5	23	70	8	3	0,090	○	
SURTA0802003	TiSiN	8	2	23	70	8	3	0,090	○	
SURTA1000253	TiSiN	10	0.25	25	80	10	3	0,090	○	
SURTA1000303	TiSiN	10	0.3	25	80	10	3	0,090	○	
SURTA1000503	TiSiN	10	0.5	25	80	10	3	0,090	○	
SURTA1000753	TiSiN	10	0.75	25	80	10	3	0,090	○	
SURTA1001003	TiSiN	10	1	25	80	10	3	0,090	○	
SURTA1001253	TiSiN	10	1.25	25	80	10	3	0,090	○	
SURTA1001503	TiSiN	10	1.5	25	80	10	3	0,110	○	
SURTA1002003	TiSiN	10	2	25	80	10	3	0,110	○	
SURTA1002503	TiSiN	10	2.5	25	80	10	3	0,110	○	
SURTA1200303	TiSiN	12	0.3	30	80	12	3	0,110	○	
SURTA1200503	TiSiN	12	0.5	30	80	12	3	0,110	○	
SURTA1201003	TiSiN	12	1	30	80	12	3	0,110	○	
SURTA1201253	TiSiN	12	1.25	30	80	12	3	0,110	○	
SURTA1201503	TiSiN	12	1.5	30	80	12	3	0,110	○	
SURTA1202003	TiSiN	12	2	30	80	12	3	0,110	○	
SURTA1202503	TiSiN	12	2.5	30	80	12	3	0,110	○	
SURTA1203003	TiSiN	12	3	30	80	12	3	0,110	○	

Application: ■ Recommend □ Suitable x Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
■	■	□	□	□	-	■	□	□

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



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MILLING

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GROOVING

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NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

SUS STAINLESS STEEL EXPERT

- Micro Grain Carbide
- WC=88 Co=12 HRA=92.4 Rupture=3950N/mm² Grain Size=0.5 m

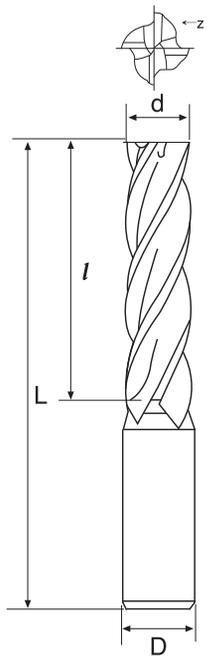
600
NanoHRC
53

45°

SSA



SUS	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
SUS0104	1	3	50	4	4	0,020	○	
SUS0154	1.5	4	50	4	4	0,020	○	
SUS0204	2	6	50	4	4	0,040	○	
SUS0254	2.5	8	50	4	4	0,040	○	
SUS0304	3	9	50	4	4	0,080	○	
SUS6304	3	9	50	6	4	0,600	○	
SUS0404	4	11	50	4	4	0,080	○	
SUS6404	4	11	50	6	4	0,600	○	
SUS0504	5	13	50	6	4	0,110	○	
SUS0604	6	16	50	6	4	0,110	○	
SUS0804	8	20	60	8	4	0,280	○	
SUS1004	10	30	75	10	4	0,400	○	
SUS1204	12	32	75	12	4	0,400	○	

Application: Recommend Suitable Not Recommend

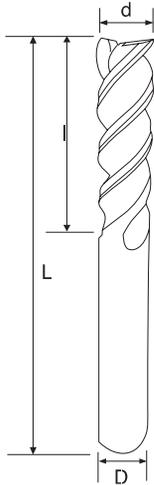
Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminun alloy
<input type="checkbox"/>	<input type="checkbox"/>	-	-	-	-	<input checked="" type="checkbox"/>	-	-

U-TYPE ALUMINUM

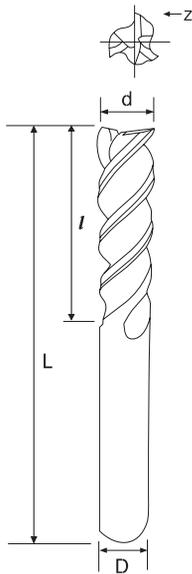
- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm

600
Nano

50°



AUE	Diameter d	Flute Length l	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
AUE0253	2.5	8	50	6	3	0,020	○	
AUE0303	3	9	50	6	3	0,020	○	
AUE0403	4	12	50	6	3	0,020	○	
AUE0503	5	15	50	6	3	0,020	○	
AUE0603	6	18	50	6	3	0,020	○	
AUE0803	8	20	60	8	3	0,050	○	
AUE1003	10	30	75	10	3	0,090	○	
AUE1203	12	32	75	12	3	0,130	○	
AUE1603	16	45	100	16	3	0,300	○	
AUE2003	20	45	100	20	3	0,400	○	
AUEL0603	6	30	75	6	3	0,020	○	
AUEL0803	8	40	100	8	3	0,050	○	
AUEL1003	10	42	100	10	3	0,090	○	
AUEL1203	12	52	100	12	3	0,180	○	



S-AUE	Diameter d	Flute Length l	Full Length L	Shank Diameter D	Flutes Z	KG	STOCK	PRICELIST on
S-AUE0603 TB	6	10	50	6	3	0,021	○	
S-AUE0803 TB	8	13	60	8	3	0,047	○	
S-AUE1003 TB	10	16	75	10	3	0,090	○	
S-AUE1203 TB	12	19	75	12	3	0,118	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
-	-	-	-	-	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

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NICECUT

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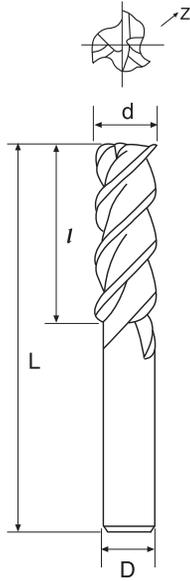
SLIM CHUCK

INSERTS

WGK

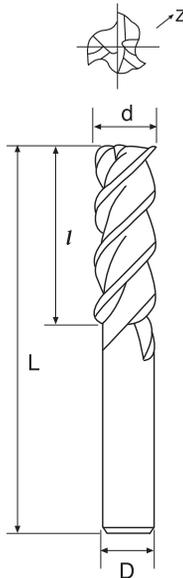
SQUARE SERIES - FOR ALUMINUM - 3 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



AET

	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
AET0103 TB	1	3	50	4	3	0,020	●	
AET0123 TB	1.2	4	50	4	3	0,020	●	
AET0153 TB	1.5	4	50	4	3	0,020	●	
AET0183 TB	1.8	5	50	4	3	0,020	●	
AET0203 TB	2	6	50	4	3	0,020	●	
AET0303 TB	3	8	50	6	3	0,020	●	
AET0403 TB	4	10	50	6	3	0,020	●	
AET0503 TB	5	13	50	6	3	0,020	●	
AET0603 TB	6	15	50	6	3	0,020	●	
AET0803 TB	8	20	60	8	3	0,060	●	
AET1003 TB	10	25	75	10	3	0,080	●	
AET1203 TB	12	30	75	12	3	0,080	●	
AET1603 TB	16	42	100	16	3	0,100	●	
AET2003 TB	20	52	100	20	3	0,120	●	
AET2503 TB	25	62	125	25	3	0,150	●	



AEL

	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
AEL50303 TB	3	12	60	6	3	0,020	○	
AEL50403 TB	4	16	60	6	3	0,020	○	
AEL50503 TB	5	20	60	6	3	0,020	○	
AEL50603 TB	6	25	75	6	3	0,040	○	
AEL50803 TB	8	32	75	8	3	0,080	○	
AEL51003 TB	10	45	100	10	3	0,110	○	
AEL51203 TB	12	45	100	12	3	0,260	○	
AEL51603 TB	16	65	150	16	3	0,360	○	
AEL52003 TB	20	75	150	20	3	0,670	○	

Application: Recommend Suitable Not Recommend

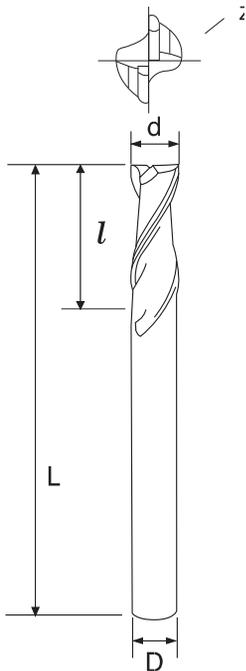
Carbon steel, Alloy steel	Pre-hardened steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
-	-	-	-	-	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SQUARE SERIES - FOR ALUMINUM - 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.61µm



AET	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
AET0052 TB	0.5	1.5	50	4	2	0,020	○	
AET0062 TB	0.6	1.5	50	4	2	0,020	○	
AET0082 TB	0.8	2	50	4	2	0,020	○	
AET0102 TB	1	3	50	6	2	0,020	○	
AET0122 TB	1.2	4	50	6	2	0,020	○	
AET0152 TB	1.5	4	50	6	2	0,020	○	
AET0182 TB	1.8	5	50	6	2	0,020	○	
AET0202 TB	2	6	50	6	2	0,020	○	
AET0302 TB	3	8	50	6	2	0,020	○	
AET0402 TB	4	10	50	6	2	0,020	○	
AET0502 TB	5	13	50	6	2	0,020	○	
AET0602 TB	6	15	50	6	2	0,020	○	
AET0802 TB	8	20	60	8	2	0,040	○	
AET1002 TB	10	25	75	10	2	0,080	○	
AET1202 TB	12	30	75	12	2	0,110	○	
AET1602 TB	16	42	100	16	2	0,260	○	
AET2002 TB	20	52	100	20	2	0,360	○	
AET2502 TB	25	62	125	25	2	0,670	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
-	-	-	-	-	-	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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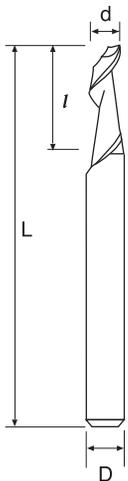
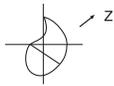
SLIM CHUCK

INSERTS

WGK

SQUARE SERIES - FOR WOOD & PLASTIC & ALUMINUM -1 FLUTE

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



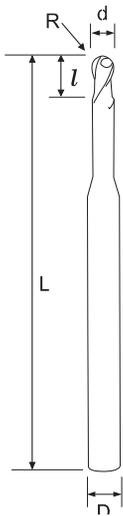
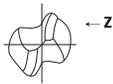
AP	Diameter	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	Z			
AP0100	1	4	50	3	1	0,010	○	
AP0150	1.5	6	50	3	1	0,010	○	
AP0200	2	8	50	2	1	0,010	○	
AP0201	2	8	60	2	1	0,010	○	
AP0202	2	8	50	3	1	0,010	○	
AP0250	2.5	8	50	3	1	0,010	○	
AP0251	2.5	8	60	3	1	0,010	○	
AP0300	3	10	50	3	1	0,010	○	
AP0301	3	10	60	3	1	0,010	○	
AP0302	3	10	80	6	1	0,030	○	
AP0310	3.17	12.7	60	6.35	1	0,030	○	
AP0400	4	12	60	4	1	0,020	○	
AP0401	4	20	70	4	1	0,020	○	
AP0402	4	30	80	4	1	0,020	○	
AP0403	4	12	60	6	1	0,030	○	
AP0470	4.765	15.9	70	6.35	1	0,040	○	
AP0500	5	16	70	5	1	0,040	○	
AP0501	5	30	80	5	1	0,040	○	
AP0600	6	16	60	6	1	0,030	○	
AP0601	6	25	75	6	1	0,030	○	
AP0602	6	30	75	6	1	0,030	○	
AP0604	6	38	100	6	1	0,050	○	
AP0630	6.35	15.8	70	6.35	1	0,040	○	
AP0800	8	22	75	8	1	0,060	○	
AP0801	8	38	100	8	1	0,080	○	
AP1000	10	30	80	10	1	0,100	○	
AP1200	12	30	100	12	1	0,170	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminun alloy
-	-	-	-	-	-	-	<input type="checkbox"/>	<input type="checkbox"/>

BALL NOSE - LONG NECK - 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



LNBT	Diameter	Radius of Ball Nose	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	L1	L	D	Z			
LNBT05022 AlTiN	0.5	0.25	0.75	2	50	4	2	0,010	●	
LNBT05042 AlTiN	0.5	0.25	0.75	4	50	4	2	0,010	●	
LNBT05062 AlTiN	0.5	0.25	0.75	6	50	4	2	0,010	●	
LNBT06022 AlTiN	0.6	0.3	0.9	2	50	4	2	0,010	●	
LNBT06042 AlTiN	0.6	0.3	0.9	4	50	4	2	0,010	●	
LNBT06062 AlTiN	0.6	0.3	0.9	6	50	4	2	0,010	●	
LNBT08042 AlTiN	0.8	0.4	1.2	4	50	4	2	0,010	●	
LNBT08062 AlTiN	0.8	0.4	1.2	6	50	4	2	0,010	●	
LNBT08082 AlTiN	0.8	0.4	1.2	8	50	4	2	0,010	●	
LNBT10062 AlTiN	1	0.5	1.5	6	50	4	2	0,010	●	
LNBT10082 AlTiN	1	0.5	1	8	50	4	2	0,010	●	
LNBT10102 AlTiN	1	0.5	1.5	10	50	4	2	0,010	●	
LNBT10122 AlTiN	1	0.5	1.5	12	50	4	2	0,010	●	
LNBT12062 AlTiN	1.2	0.6	1.8	6	50	4	2	0,010	●	
LNBT12082 AlTiN	1.2	0.6	1.8	8	50	4	2	0,010	●	
LNBT12102 AlTiN	1.2	0.6	1.8	10	50	4	2	0,010	●	
LNBT12122 AlTiN	1.2	0.6	1.8	12	50	4	2	0,010	●	
LNBT14062 AlTiN	1.4	0.7	2.1	6	50	4	2	0,010	●	
LNBT14102 AlTiN	1.4	0.7	2.1	10	50	4	2	0,010	●	
LNBT14162 AlTiN	1.4	0.7	2.1	16	50	4	2	0,010	●	
LNBT15062 AlTiN	1.5	0.75	2.3	6	50	4	2	0,010	●	
LNBT15082 AlTiN	1.5	0.75	2.3	8	50	4	2	0,010	●	
LNBT15102 AlTiN	1.5	0.75	2.3	10	50	4	2	0,010	●	
LNBT15122 AlTiN	1.5	0.75	2.3	12	50	4	2	0,010	●	
LNBT15142 AlTiN	1.5	0.75	2.3	14	50	4	2	0,010	●	
LNBT15162 AlTiN	1.5	0.75	2.3	16	50	4	2	0,010	●	
LNBT15182 AlTiN	1.5	0.75	2.3	18	50	4	2	0,010	●	
LNBT15202 AlTiN	1.5	0.75	2.3	20	50	4	2	0,010	●	
LNBT16062 AlTiN	1.6	0.8	2.4	6	50	4	2	0,010	●	
LNBT16082 AlTiN	1.6	0.8	2.4	8	50	4	2	0,010	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



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MILLING

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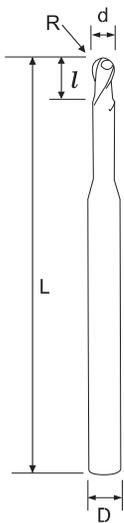
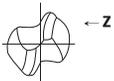
SLIM CHUCK

INSERTS

WGK

BALL NOSE - LONG NECK - 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



LNBT

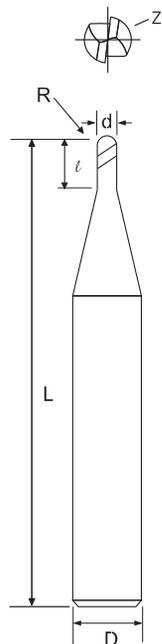
	Diameter	Radius of Ball Nose	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	L1	L	D	Z			
LNBT16102 ALTiN	1.6	0.8	2.4	10	50	4	2	0,010	●	
LNBT16122 ALTiN	1.6	0.8	2.4	12	50	4	2	0,010	●	
LNBT16142 ALTiN	1.6	0.8	2.4	14	50	4	2	0,010	●	
LNBT16162 ALTiN	1.6	0.8	2.4	16	50	4	2	0,010	●	
LNBT16182 ALTiN	1.6	0.8	2.4	18	50	4	2	0,010	●	
LNBT16202 ALTiN	1.6	0.8	2.4	20	50	4	2	0,010	●	
LNBT18082 ALTiN	1.8	0.9	2.7	8	50	4	2	0,010	●	
LNBT18142 ALTiN	1.8	0.9	2.7	14	50	4	2	0,010	●	
LNBT18202 ALTiN	1.8	0.9	2.7	20	50	4	2	0,010	●	
LNBT20082 ALTiN	2	1	3	8	50	4	2	0,010	●	
LNBT20102 ALTiN	2	1	3	10	50	4	2	0,010	●	
LNBT20122 ALTiN	2	1	3	12	50	4	2	0,010	●	
LNBT20142 ALTiN	2	1	3	14	50	4	2	0,010	●	
LNBT20162 ALTiN	2	1	3	16	50	4	2	0,010	●	
LNBT20182 ALTiN	2	1	3	18	50	4	2	0,010	●	
LNBT20202 ALTiN	2	1	3	20	50	4	2	0,010	●	
LNBT25082 ALTiN	2.5	1.25	4	8	50	4	2	0,010	●	
LNBT25122 ALTiN	2.5	1.25	4	12	50	4	2	0,010	●	
LNBT25162 ALTiN	2.5	1.25	4	16	50	4	2	0,010	●	
LNBT25202 ALTiN	2.5	1.25	4	20	50	4	2	0,010	●	
LNBT30102 ALTiN	3	1.5	4.5	10	50	6	2	0,010	●	
LNBT30122 ALTiN	3	1.5	4.5	12	50	6	2	0,010	●	
LNBT30162 ALTiN	3	1.5	4.5	16	60	6	2	0,020	●	
LNBT30202 ALTiN	3	1.5	4.5	20	60	6	2	0,020	●	
LNBT30252 ALTiN	3	1.5	4.5	25	75	6	2	0,020	●	
LNBT40122 ALTiN	4	2	6	12	50	6	2	0,020	●	
LNBT40162 ALTiN	4	2	6	16	60	6	2	0,020	●	
LNBT40202 ALTiN	4	2	6	20	75	6	2	0,020	●	
LNBT40252 ALTiN	4	2	6	25	75	6	2	0,020	●	
LNBT40302 ALTiN	4	2	6	30	75	6	2	0,020	●	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

MINIATURE BALL NOSE - 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6 m



MIB	Diameter	Radius of Ball Nose	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	L	D	Z			
MIB0032 AlTiN	0.3	0.15	0.6	50	4	2	0,010	○	
MIB0042 AlTiN	0.4	0.2	0.8	50	4	2	0,010	○	
MIB0052 AlTiN	0.5	0.25	1	50	4	2	0,020	○	
MIB0062 AlTiN	0.6	0.3	1.2	50	4	2	0,020	○	
MIB0072 AlTiN	0.7	0.35	1.4	50	4	2	0,020	○	
MIB0082 AlTiN	0.8	0.4	1.6	50	4	2	0,020	○	
MIB0092 AlTiN	0.9	0.45	1.8	50	4	2	0,020	○	
MIB0102 AlTiN	1	0.5	2	50	4	2	0,020	○	
MIB0112 AlTiN	1.1	0.55	2.2	50	4	2	0,020	○	
MIB0122 AlTiN	1.2	0.6	2.4	50	4	2	0,020	○	
MIB0132 AlTiN	1.3	0.65	2.6	50	4	2	0,020	○	
MIB0142 AlTiN	1.4	0.7	2.8	50	4	2	0,020	○	
MIB0152 AlTiN	1.5	0.75	3	50	4	2	0,020	○	
MIB0162 AlTiN	1.6	0.8	3.2	50	4	2	0,020	○	
MIB0172 AlTiN	1.7	0.85	3.4	50	4	2	0,020	○	
MIB0182 AlTiN	1.8	0.9	3.6	50	4	2	0,020	○	
MIB0192 AlTiN	1.9	0.95	3.8	50	4	2	0,020	○	
MIB0202 AlTiN	2	1	4	50	4	2	0,020	○	
MIB0212 AlTiN	2.1	1.05	4.2	50	4	2	0,020	○	
MIB0222 AlTiN	2.2	1.1	4.4	50	4	2	0,020	○	
MIB0232 AlTiN	2.3	1.15	4.6	50	4	2	0,020	○	
MIB0242 AlTiN	2.4	1.2	4.8	50	4	2	0,020	○	
MIB0252 AlTiN	2.5	1.25	5	50	4	2	0,020	○	
MIB0262 AlTiN	2.6	1.3	5.2	50	4	2	0,020	○	
MIB0272 AlTiN	2.7	1.35	5.4	50	4	2	0,020	○	
MIB0282 AlTiN	2.8	1.4	5.6	50	4	2	0,020	○	
MIB0292 AlTiN	2.9	1.45	5.8	50	4	2	0,020	○	
MIB0302 AlTiN	3	1.5	6	50	4	2	0,020	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>					

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



165

MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

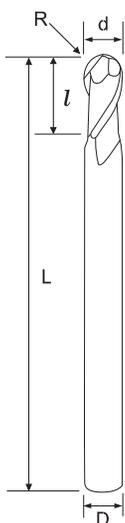
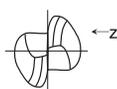
SLIM CHUCK

INSERTS

WGK

BALL NOSE - 2 FLUTES

- Micro Grain Carbide
- WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.61µm



SSB
MSB
SB

	Diameter	Radius of Ball Nose	Flute Length	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	L	D	Z			
SSB0102 TiSiN	1	0.5	2	50	3	2	0,020	○	
MSB0102 TiSiN	1	0.5	2	50	4	2	0,020	○	
SSB0152 TiSiN	1.5	0.75	3	50	3	2	0,020	○	
MSB0152 TiSiN	1.5	0.75	3	50	4	2	0,020	○	
SSB0202 TiSiN	2	1	4	50	3	2	0,020	○	
MSB0202 TiSiN	2	1	4	50	4	2	0,020	○	
SSB0252 TiSiN	2.5	1.25	5	50	3	2	0,020	○	
MSB0252 TiSiN	2.5	1.25	5	50	4	2	0,020	○	
SSB0302 TiSiN	3	1.5	6	50	3	2	0,020	○	
MSB0302 TiSiN	3	1.5	6	50	4	2	0,020	○	
MSB0352 TiSiN	3.5	1.75	7	50	4	2	0,020	○	
MSB0402 TiSiN	4	2	8	50	4	2	0,020	○	
SB0102 TiSiN	1	0.5	2	50	6	2	0,020	●	
SB0152 TiSiN	1.5	0.75	3	50	6	2	0,020	●	
SB0202 TiSiN	2	1	4	50	6	2	0,020	●	
SB0252 TiSiN	2.5	1.25	5	50	6	2	0,020	●	
SB0302 TiSiN	3	1.5	6	50	6	2	0,020	●	
SB0352 TiSiN	3.5	1.75	7	50	6	2	0,020	●	
SB0402 TiSiN	4	2	8	50	6	2	0,020	●	
SB0452 TiSiN	4.5	2.25	9	50	6	2	0,020	●	
SB0502 TiSiN	5	2.5	10	50	6	2	0,020	●	
SB0552 TiSiN	5.5	2.75	11	50	6	2	0,020	●	
SB0602 TiSiN	6	3	12	50	6	2	0,040	●	
SB0702 TiSiN	7	3.5	14	60	8	2	0,040	●	
SB0802 TiSiN	8	4	16	60	8	2	0,080	●	
SB0902 TiSiN	9	4.5	18	75	10	2	0,080	●	
SB1002 TiSiN	10	5	20	75	10	2	0,080	●	
SB1102 TiSiN	11	5.5	22	75	12	2	0,080	●	
SB1202 TiSiN	12	6	24	75	12	2	0,100	●	
SB1402 TiSiN	14	7	28	100	16	2	0,240	●	
SB1602 TiSiN	16	8	32	100	16	2	0,240	●	
SB1802 TiSiN	18	9	36	100	20	2	0,360	●	
SB2002 TiSiN	20	10	40	100	20	2	0,390	●	

Application: Recommend Suitable Not Recommend

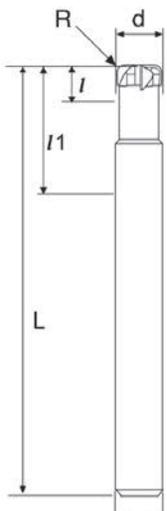
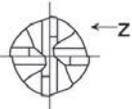
Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminun alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-	-

SH SUPER HIGH SPEED HIGH HARDNESS

- Ultra Micro Grain Carbide
- WC=91 Co=9 HRA=93.2 Rupture=4000N/mm² Grain Size=0.2 μm



KCR	Diameter	Corner Radius	Flute Length	Neck Length	Neck Diameter	Full Length	Shank Diameter	Flutes	KG	STOCK	PRICELIST on
	d	R	l	l1	dn	L	D	Z			
KCR0203	2	0.3	0.8	5	1.8	60	6	4	0,020	○	
KCR0205	2	0.5	0.8	5	1.8	60	6	4	0,020	○	
KCR0307	3	0.75	1.2	7.5	2.7	60	6	4	0,020	○	
KCR0310	3	1	1.2	7.5	2.7	60	6	4	0,020	○	
KCR0405	4	0.5	1.6	10	3.6	75	6	4	0,030	○	
KCR0410	4	1	1.6	10	3.6	75	6	4	0,030	○	
KCR0510	5	1	2	12	4.5	75	6	4	0,030	○	
KCR0512	5	1.2	2	12	4.5	75	6	4	0,030	○	
KCR0610	6	1	2.5	13	5.4	100	6	4	0,040	○	
KCR0615	6	1.5	2.5	13	5.4	100	6	4	0,040	○	
KCR0810	8	1	3.5	16	7.2	100	8	4	0,080	○	
KCR0820	8	2	3.5	16	7.2	100	8	4	0,080	○	
KCR0920	9	2	4	18	8.2	100	10	4	0,120	○	
KCR1010	10	1	4	20	9	100	10	4	0,120	○	
KCR1020	10	2	4	20	9	100	10	4	0,120	○	
KCR1210	12	1	5	24	11	100	12	4	0,170	○	
KCR1220	12	2	5	24	11	100	12	4	0,170	○	
KCR1230	12	3	5	24	11	100	12	4	0,170	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel		High-hardened			Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-

- Disponibile - Lieferbar - On stock
- A richiesta - Auf Anfrage - On request

2023/24



MILLING
MINIMILL
MOULDMILL
MICROTOOLS AMS
MINITOLS
GROOVING
MCDRILLS
NICECUT
YES DRILLS
SLIM CHUCK
INSERTS

WGK

BIG FOOT SUPER REMOVER

- Ultra Micro Grain Carbide
- WC=87 Co=12 HRA=92.1 Rupture=3800N/mm² Grain Size=0.4 m

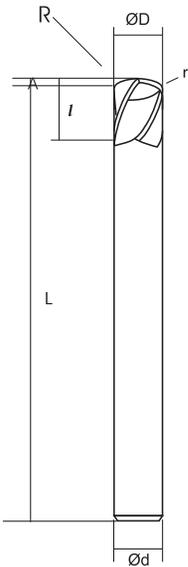
400
NanoHRC
60

30°

SH

R
±0.01

BFR	Diameter		Corner Radius		Corner		Flute Length	Full Length	Shank Diameter	KG	STOCK	PRICELIST on
	d	R	A	B	r	l	L	D				
BFR06050	6	5	0.66	3	2	7	60	6	0,020	○		
BFR06051	6	5	0.66	3	2	7	100	6	0,050	○		
BFR06060	6	6	0.66	3	1.5	7	60	6	0,020	○		
BFR06061	6	6	0.66	3	1.5	7	100	6	0,040	○		
BFR08080	8	8	0.88	4	2	9	60	8	0,040	○		
BFR08081	8	8	0.88	4	2	9	100	10	0,080	○		
BFR10100	10	10	0.9	5	3	11	75	10	0,110	○		
BFR10101	10	10	0.9	5	3	11	100	12	0,120	○		
BFR12120	12	12	1.6	6	3	13	75	12	0,120	○		
BFR12121	12	12	1.6	6	3	13	100	12	0,180	○		
BFR12150	12	15	0.91	6	3	15	75	12	0,120	○		
BFR12151	12	15	0.91	6	3	15	100	12	0,150	○		
BFR16160	16	16	1.77	8	4	18	150	16	0,350	○		
BFR16200	16	20	1.5	8	3	22	150	16	0,400	○		

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-hardened steel		High-hardened			Stainless steel	Copper alloy	Aluminun alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-

SUPER HIGH HARDNESS & SUPER HIGH SPEED CUTTING BALL NOSE

- Ultra Micro Grain Carbide
- WC=91 Co=9 HRA=93.2 Rupture=4000N/mm² Grain Size=0.2µm

200
Nano

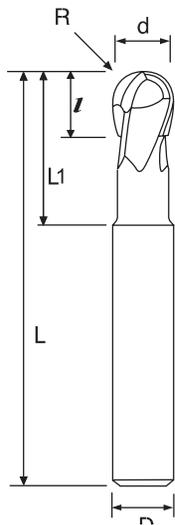
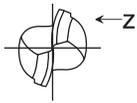
HRC
65



SH



KTG	Diameter	Radius	Flute Length	Efficient Length	Neck Diameter	Full Length	Shank Diameter	KG	STOCK	PRICELIST on
	d	R	l	L1	dn	L	D			
KTG0102 SH	1	0.5	1	2.5	0.96	50	6	0,030	○	
KTG0152 SH	1.5	0.75	1.5	4	1.46	50	6	0,030	○	
KTG0202 SH	2	1	2	6	1.96	50	6	0,030	○	
KTG0252 SH	2.5	1.25	2.5	7	2.46	50	6	0,030	○	
KTG0302 SH	3	1.5	3	8	2.96	50	6	0,030	○	
KTG4402 SH	4	2	4	8	3.96	50	4	0,020	○	
KTG0402 SH	4	2	4	8	3.96	50	6	0,030	○	
KTG0502 SH	5	2.5	5	12	4.96	50	6	0,030	○	
KTG0602 SH	6	3	6	13	5.96	50	6	0,030	○	
KTG0802 SH	8	4	8	16	7.9	60	8	0,050	○	
KTG1002 SH	10	5	10	20	9.9	75	10	0,090	○	
KTG1202 SH	12	6	12	24	11.9	75	12	0,120	○	



Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-

● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES

GROOVING

MC DRILLS

NICECUT

YES DRILLS

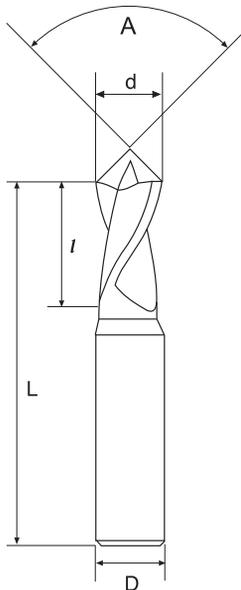
SLIM CHUCK

INSERTS

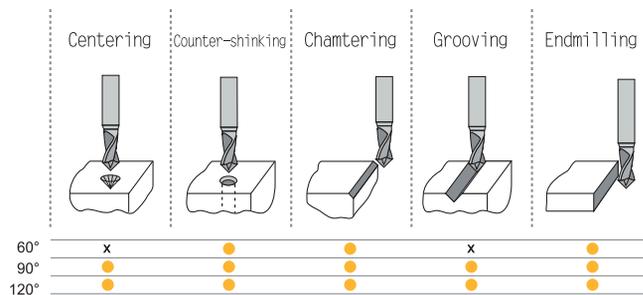
WGK

MULTI - FUNCTION END MILL SERIES - 2 FLUTES

Multi - function end mill series - 2 flutes



CDM	Diameter	Flute Length	Full Length	Shank Diameter	Tip Angle	Flutes	KG	STOCK	PRICELIST on
	d	l	L	D	A	Z			
CDM060030 AlTiN	3	6	50	4	60°	2	0,020	○	
CDM090030 AlTiN	3	6	50	4	90°	2	0,020	○	
CDM120030 AlTiN	3	6	50	4	120°	2	0,080	○	
CDM060040 AlTiN	4	8	50	6	60°	2	0,020	○	
CDM090040 AlTiN	4	8	50	6	90°	2	0,040	○	
CDM120040 AlTiN	4	8	50	6	120°	2	0,080	○	
CDM060050 AlTiN	5	10	50	6	60°	2	0,020	○	
CDM090050 AlTiN	5	10	50	6	90°	2	0,050	○	
CDM120050 AlTiN	5	10	50	6	120°	2	0,160	○	
CDM060060 AlTiN	6	12	60	8	60°	2	0,020	○	
CDM090060 AlTiN	6	12	60	8	90°	2	0,040	○	
CDM120060 AlTiN	6	12	60	8	120°	2	0,150	○	
CDM060080 AlTiN	8	16	75	10	60°	2	0,020	○	
CDM090080 AlTiN	8	16	75	10	90°	2	0,040	○	
CDM120080 AlTiN	8	16	75	10	120°	2	0,140	○	
CDM060100 AlTiN	10	20	75	12	60°	2	0,020	○	
CDM090100 AlTiN	10	20	75	12	90°	2	0,040	○	
CDM120100 AlTiN	10	20	75	12	120°	2	0,150	○	
CDM060120 AlTiN	12	25	75	12	60°	2	0,020	○	
CDM090120 AlTiN	12	25	75	12	90°	2	0,090	○	
CDM120120 AlTiN	12	25	75	12	120°	2	0,140	○	
CDM060140 AlTiN	14	28	80	14	60°	2	0,020	○	
CDM090140 AlTiN	14	28	80	14	90°	2	0,080	○	
CDM120140 AlTiN	14	28	80	14	120°	2	0,150	○	
CDM060160 AlTiN	16	32	100	16	60°	2	0,020	○	
CDM090160 AlTiN	16	32	100	16	90°	2	0,090	○	
CDM120160 AlTiN	16	32	100	16	120°	2	0,140	○	
CDM060200 AlTiN	20	35	100	20	60°	2	0,020	○	
CDM090200 AlTiN	20	35	100	20	90°	2	0,080	○	
CDM120200 AlTiN	20	35	100	20	120°	2	0,140	○	

Application: Recommend Suitable Not Recommend

Carbon steel, Alloy steel	Pre-harden steel ~45HRC	~50HRC	High-hardened ~55HRC	~60HRC	~65HRC	Stainless steel	Copper alloy	Aluminum alloy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-	<input type="checkbox"/>	-

ESEMPIO SET _ SATZ BEISPIEL _ SET EXAMPLE



**PROFI-BOX
SET PE TiSiN**

Art. SET PE 3T
TiSiN 45°

		↔ (mm)					z	STOCK		
d	l	L	D							
n° 1	PE0603 TiSiN	6	16	50	6	3	●	SPECIAL NET PRICE PROMO		
n° 1	PE0803 TiSiN	8	20	60	8	3				
n° 1	PE1003 TiSiN	10	30	75	10	3				
n° 1	PE1203 TiSiN	12	32	75	12	3				
Art. SET PE 4T TiSiN 45°		n° 1	PE0604 TiSiN	6	16	50	6	4	●	SPECIAL NET PRICE PROMO
n° 1	PE0804 TiSiN	8	20	60	8	4				
n° 1	PE1004 TiSiN	10	30	75	10	4				
n° 1	PE1204 TiSiN	12	32	75	12	4				



**PROFI-BOX
SET MPE TiSiN**

Art. SET MPE 3T
TiSiN 45°

		↔ (mm)					z	STOCK	
d	l	L	D						
n° 10	MPE0103 TiSiN	1	3	50	4	3	●	SPECIAL NET PRICE PROMO	
n° 10	MPE0153 TiSiN	1,5	4	50	4	3			
n° 10	MPE0203 TiSiN	2	6	50	4	3			
n° 10	MPE0303 TiSiN	3	8	50	4	3			
n° 10	MPE0403 TiSiN	4	11	50	4	3			



**PROFI-BOX
SET MSB TiSiN**

Art. SET MSB 2T/50
TiSiN 35°

		↔ (mm)					Z	STOCK	
d	R	l	L	D					
n° 10	MSB0102 TiSiN	1	0,5	2	50	4	2	●	SPECIAL NET PRICE PROMO
n° 10	MSB0152 TiSiN	1,5	0,75	3	50	4	2		
n° 10	MSB0202 TiSiN	2	1	4	50	4	2		
n° 10	MSB0302 TiSiN	3	1,5	6	50	4	2		
n° 10	MSB0402 TiSiN	4	2	8	50	4	2		



● Disponibile - Lieferbar - On stock

○ A richiesta - Auf Anfrage - On request

2023/24



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MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOOLES

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

RICAMBI



RICAMBI	WGK	INSERTS	SLIM CHUCK	YES DRILLS	NICECUT	MC DRILLS	GROOVING	MINITOOLS	MICROTOOLS AMS	MOULD MILL	MINIMILL	MILLING
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RICAMBI _ ERSATZTEILE _ SPAREPARTS

	CODICE ORDINE Bestell-Nr. Order No.	PRICELIST on	CODICE ORDINE Bestell-Nr. Order No.	PRICELIST on	CODICE ORDINE Bestell-Nr. Order No.	PRICELIST on
MILLING	A02-20033 (M2X3,3 T06)		K25		US3431	
MINIMILL	A02-35082 (M3,5X8,2 T15)		KP 1111 (ESAGONO 2,5)		US3450	
	A02-60120 (M6X12 T25)		KP 3111 (ESAGONO 3)		US4111	
MOULDMILL	A06-50088 (M5X8,8 T20)		KVR 16		US4221	
	A13-25042 (M2,5X4,2 T08)		M6-16 (M6X16,2 5)		US5511	
	A13-25050 (M2,5X5 T08)		M8X5QC (M8X1X5 3)		US6522	
	A13-30073 (M3X7,3 T08)		MP1111		US-3R	
MICROTOOLS AMS	AKE 12,4		MP1221		US-3L	
	AS 0043 (M5X8,5 2,5)		MP1321		USR-3E	
	AS 0044 (M6X10 3)		MP3111		V04-T0600	
	BFTX01604N (M1,6X4,2 T06)		P1		V04-T0800	
	BFTX0204N (M2X4,8 T06)		RE0 (M3X5 1,5)		V04-T1500	
	BFTX02206N (M2,2X5,6 T07)		RE1 (M3X6 1,5)		V04-T2000	
	BFTX02506N (M2,5X6,5 T08)		RE2 (M4X8 2)		V04-T2500	
MINITOOLES	BFTX03584 (M3,5X8,6 T15)		RE3 (M5X8 2,5)		V1005 (M5X11 T20)	
	BFTX0511N (M5X11,5 T20)		RE4 (M5X12 2,5)		V1006 (M6X16,2 T20)	
	BFTX0615N (M6X15 T25)		RE5 (M8X12 4)		V11 (M3X8,2 T09)	
	BL0 (M4X8,2 T15)		RE6 (M8X16 4)		V26 (M2,5X5,5 T07)	
	BL1 (M5X10 T20)		RE7 (M8X20 4)		V27 (M2,5X6,5 T07)	
	BL2 (M6X12,5 T25)		RE8 (M8X20 4)		V36 (M3,5X10 T15)	
GROOVING	BL3 (M8X16 5)		RE9 (M3X4 1,5)		V41 (M4X11,7 T15)	
	BL4 (M8X20 5)		RE10 (M3X5 1,5)		VF4 (M4X8 T08)	
	BL5 (M10X25 6)		RE11 (M2X4 0,89)		VFS088 (M8X30)	
	BL6 (M10X30 6)		RP1111		VT16 (M1,6X3,2 T06)	
	BL7 (M12X35 8)		RP1221		VT1604 (M1,6X3,5 T05)	
	BL8 (M12X40 8)		RP1321		VT18 (M1,8X3,7 T06)	
MC DRILLS	BL9 (M2,5X6,5 T07)		RP3112		VT18 B (M1,8X3 T06)	
	BL10 (M3X8,2 T09)		S12 NEW		VT20 (M2X4,8 T06)	
	BL11 (M2X5,5 T06)		S24 (M6X5 T15)		VT20 B (M2X3,2 T06)	
	BT05 (TORX 05)		S25 (M6X5,5 3)		VT22 (M2,2X4,8 T07)	
	BT06 (TORX 06)		S35 (M6X48,7 3)		VT22 B (M2,2X4,5 T06)	
NICECUT	BT07 (TORX 07)		S35M (M6X23,5 T15)		VT24 (M2X3,8 T06)	
	BT08 (TORX 08)		S35S (M6X33,5 T15)		VT25 (M2,5X5,5 T08)	
	BT09 (TORX 09)		SP1111 (M8X18,2 3)		VT25 B (M2,5X5 T08)	
	BT15 (TORX 15)		SP1114 (M8X16,8 3)		VT25 FLEXIMILL (M2,5X5,5 T08)	
	BT20 (TORX 20)		SP1118 (M5X9,8 2)		VT2530 (M2,5X4,5 T07)	
	BT25 (TORX 25)		SP1221 (M8X20,5 3)		VT2565 (M2,5X6,5 T08)	
YES DRILLS	BT25 IP (TORX PLUS 25)		SP1321 (M10X26,5 4)		VT25 830 (M2,5X5,5 T08)	
	C06710 (M4X8 T15)		SP3111 (M6X16,7 2,5)		VT30 745 (M3X7,4 T09)	
	CBH 08-10-12-16		SP3112 (M6X13,6 2,5)		VT30 G (M3X7 T08)	
	CVB35 (M3,5X4 T15)		SP3113 (M5X12,2 2)		VT35 (M3,5X8,6 T15)	
	CVB45		SP5751 (M5X9,5 2)		VT35 S (M3,5X8,6 T15)	
SLIM CHUCK	CVB55 (M8X21 IP25)		SS1111 (M3,5X11 T15)		VT3511 (M3,5X11 T15)	
	CVB55 L (M8X21 4)		SS1114 (M3,5X7,2 T15)		VT40 (M4X9 T15)	
	E1		SS1221 (M4,5X12 T15)		VT4010 (M4X11,2 T15)	
	G1 (M5X6 2,5)		SS1751 (M2,5X6 T08)		VT40 710 (M4X10,5 T15)	
	GBS1111 (M5X8 3,5)		SS8831 (M3X7,3 T08)		VT40 735 (M4X11,7 T15)	
	GBS1221 (M6X9 4,5)		T16 NEW		VT40 835 (M4X11,7 T15)	
INSERTS	GBS-3E		UP1111		VT40 B (M4X8,3 T15)	
	GESL		UP1115		VT40QC (M4X0,7 3)	
	VT40 SL (M4X5 T15)		UP1221		VT40-3E	
	VT50 BHM (M5X12 3)		UP1321		VT40 R (M4X10 T15)	
	GS1		UP2011		VT40 S (M4X11,5 T20)	
	HP1111		UP2421		VT45 (M4,5X10,5 T20)	
WGK	HP1118		UP5112		VT50 (M5X11 T20)	
	HP1221		UP5321		VT.FB.030 (M8X30,5)	
	HP1321		UP5421		VT.FB.035 (M10X31)	
	HP2011		UP6211		VT.FB.STANDARD (M12X30 8)	
	HP2012		UP71011		VTX 3503 (M3,5X3,3 T09)	
	HP2421		UP71111		VTX 3504 (M3,5X4,2 T09)	
	HP4751		US1111		VTX 405 (M4X5,2 T15)	
	HP4753		US1221		VTX 408 (M4X7,8 T15)	
RICAMBI	HP6051		US2311			

PARAMETRI INSERTI



RICAMBI

WGK

INSERTS

SLIM CHUCK

YES DRILLS

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GROOVING

MINITOOLES

MICROTOOLS
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MILLING

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
APMX 060210 MPH 	K400	P25-P40	M20-M40	K20-K40			
	fz	0,2-0,7	0,2-0,7	0,2-0,7			
	ap	0,2-0,6	0,2-0,6	0,2-0,6			
	VC	110-200	90-160	120-230			
APKT 060204 PDTR-K 	K400	P25-P40	M20-M40	K20-K40			
	fz	0,05-0,25	0,05-0,25	0,05-0,25			
	ap	0,5-2,5	0,5-2,5	0,5-2,5			
	VC	110-200	90-160	120-230			
APKT 060204 PDER-S 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,05-0,25	0,05-0,25	0,05-0,25			
	ap	0,5-2,5	0,5-2,5	0,5-2,5			
	VC	110-200	90-160	120-230			
APKT 060204 PDER-S 	P200	P10-P20		K10-K20			
	fz	0,05-0,25		0,05-0,25			
	ap	0,5-2,5		0,5-2,5			
	VC	180-280		160-270			
APKT 060204 PDER-S 	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,05-2,5	0,05-2,5				
	VC	110-180	90-160				
APKT 060220 PDER-S 	P200	P25-P40	M20-M40	K20-K40			
	fz	0,05-0,25	0,05-0,25	0,05-0,25			
	ap	0,5-2,5	0,5-2,5	0,5-2,5			
	VC	110-200	90-160	120-230			
APKT 060220 PDER-S 	P300	P10-P20		K10-K20			
	fz	0,05-0,25		0,05-0,25			
	ap	0,5-2,5		0,5-2,5			
	VC	180-280		160-270			
APKT 060220 PDER-S 	K300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,05-2,5	0,05-2,5				
	VC	110-180	90-160				
APKT 1003 PDR-M 	K400	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-4	0,1-4	0,1-4			
	VC	100-170	70-130	120-230			
APKT 1003 PDER-S 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-4	0,1-4	0,1-4			
	VC	100-170	70-130	120-230			
APKT 1003 PDER-S 	P200	P10-P20		K10-K20			
	fz	0,05-0,30		0,05-0,30			
	ap	0,1-4		0,1-4			
	VC	180-280		160-270			
APKT 1003 PDER-S 	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,1-4	0,1-4				
	VC	110-120	90-160				
APKT 1003 PDFR-R 04 ALU 	K15				K10-K15		
	fz				0,10-0,40		
	ap				max. 0,7		
	VC				200-700		
APKT 1604 PDR-M 	K400	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-7	0,1-7	0,1-7			
	VC	100-170	70-130	120-230			

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
 APKT 1604 PDER-S	K300	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-7	0,1-7	0,1-7			
	VC	100-170	70-130	120-230			
 APKT 1604 PDER-S	P200	P10-P20		K10-K20			
	fz	0,05-0,20		0,05-0,20			
	ap	0,1-7		0,1-7			
	VC	180-280		160-270			
 APKT 1604 PDER-S	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,1-7	0,1-7				
	VC	110-120	90-160				
 APKT 1604 PDFR-R04 ALU	K15				K10-K15		
	fz				0,10-0,40		
	ap				max. 0,7		
	VC				200-700		
 APKT 1604 PDFR-R08 ALU	K15				K10-K15		
	fz				0,10-0,40		
	ap				max. 0,7		
	VC				200-700		
 APPT 100308 PDSR-MM	K400	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-4	0,1-4	0,1-4			
	VC	100-170	70-130	120-230			
 APPT 160408 PDSR-MM	K400	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-7	0,1-7	0,1-7			
	VC	100-170	70-130	120-230			
 APHX 1003 FR-ALU	K15				K10-K15		
	fz				0,10-0,20		
	ap				0,1-4		
	VC				200-700		
 APHX 1604 FR-ALU	K15				K10-K15		
	fz				0,10-0,20		
	ap				0,1-8		
	VC				200-700		
 APHX 1604 PDR-ALU	K15				K10-K15		
	fz				0,10-0,20		
	ap				0,1-8		
	VC				200-700		
 APHT 100304	P25	P25					
	fz	0,07-0,15					
	ap	0,1-4					
	VC	70-200					
 APHT 100304	TIN	P20-P40	M20-M40				
	fz	0,07-0,18	0,07-0,18				
	ap	0,1-4	0,1-4				
	VC	120-250	80-200				
 APHT 100304	TIALN	P20-P25	M20-M35	K20-K30			
	fz	0,07-0,20	0,07-0,20	0,07-0,20			
	ap	0,5-4	0,5-4	0,5-4			
	VC	110-220	70-130	120-230			
 APHT 1604 PDR	P25	P25					
	fz	0,10-0,18					
	ap	0,1-7					
	VC	70-200					

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PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
	APHT 1604 PDR	TIN	P20-P40	M20-M40			
	fz	0,10-0,20	0,08-0,18				
	ap	0,1-7	0,1-7				
	VC	110-220	70-130				
	APHT 1604 PDR	TIALN	P20-P25	M20-M35	K20-K30		
	fz	0,05-0,20	0,05-0,20	0,05-0,20			
	ap	0,5-7	0,5-7	0,5-7			
	VC	120-280	80-200	120-230			
	CCMT 0602 02/04	K400	P10-P30	M10-M25	K10-K20		
	fz	0,07-0,17	0,06-0,14	0,06-0,15			
	ap	0,3-1,8	0,3-1,4	0,3-1,8			
	VC	120-250	80-220	120-230			
	CCMT 09T3 04/08	K400	P10-P30	M10-M25	K10-K20		
	fz	0,09-0,20	0,08-0,26	0,08-0,20			
	ap	0,3-2,5	0,3-2	0,3-2,5			
	VC	120-250	80-220	120-230			
	CCMT 1204 04/08	K400	P10-P30	M10-M25	K10-K20		
	fz	0,18-0,45	0,18-0,35	0,15-0,50			
	ap	0,5-4	0,5-4	0,5-5			
	VC	120-250	80-220	120-230			
	CPMT 05T104	K300	P15-P30	M20-M35	K15-K30		
	fz	0,15-0,4	0,15-0,4	0,15-0,4			
	ap	0,1-3,5	0,1-3,5	0,1-3,5			
	VC	130-220	100-160	120-180			
	CPMT 05T1 02/04 EN-PS	P200	P10-P20		K10-K20		
	fz	0,15-0,4		0,15-0,4			
	ap	0,1-3,5		0,1-3,5			
	VC	150-250		150-230			
	CPMT 05T1 02/04 EN-PM1	K400	P20-P35	M15-M30	K15-K25		
	fz	0,15-0,4	0,15-0,4	0,15-0,4			
	ap	0,1-3,5	0,1-3,5	0,1-3,5			
	VC	130-220	100-160	120-180			
	LNEX 1006	K15			K10-K20		
	fz				0,05-0,20		
	ap				0,1-4		
	VC				250-400		
	LNEX 1510	K15			K10-K20		
	fz				0,05-0,20		
	ap				0,1-6		
	VC				250-400		
	LNKX 1006	K400	P25-P40	M20-M40	K20-K40		
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-4	0,1-4	0,1-4			
	VC	110-200	90-160	120-230			
	LNKX 1510	K400	P25-P40	M20-M40	K20-K40		
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-6	0,1-6	0,1-6			
	VC	110-220	90-160	120-200			
	LNMX 1006	K300	P25-P40	M20-M40	K20-K40		
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-4	0,1-4	0,1-4			
	VC	110-200	90-160	120-230			
	LNMX 1006	P200	P10-P20		K10-K20		
	fz	0,05-0,20		0,10-0,25			
	ap	0,1-4		0,1-4			
	VC	100-220		120-220			

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
LNMX 1006 	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,20				
	ap	0,1-4	0,1-4				
	VC	100-170	60-130				
LNMX 1510 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,1-6	0,1-6	0,1-6			
	VC	110-220	90-160	120-200			
LNMX 1510 	P200	P10-P20		K10-K20			
	fz	0,05-0,20		0,05-0,25			
	ap	0,1-6		0,1-6			
	VC	110-220		110-220			
LNMX 1510 	P300	P30-P40	M30-M40				
	fz	0,08-0,25	0,08-0,25				
	ap	0,1-6	0,1-6				
	VC	100-170	60-130				
ONMU 1205 ANN 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,05-0,25	0,05-0,25	0,05-0,25			
	ap	0,5-2,5	0,5-2,5	0,5-2,5			
	VC	110-220	90-160	120-200			
ONMU 1205 ANN 	P200	P10-P20		K10-K20			
	fz	0,05-0,25		0,05-0,25			
	ap	0,5-2,5		0,5-2,5			
	VC	180-280		160-270			
ONMU 1205 ANN 	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,5-2,5	0,5-2,5				
	VC	110-190	90-170				
RDHT 0501 MOF ALU 	K15				K05-K10		
	fz				0,2-1		
	ap				0,5-2		
	VC				100-350		
RDKW 0501 MOS-MP RDKW 0702 MOS-MP 	K400	P15-P35	M30-M40	K10-K30			
	fz	0,11-0,22	0,08-0,18	0,11-0,22			
	ap	0,3-3	0,3-3	0,3-3			
	VC	180-300	100-150	220-300			
RDHT 0702 MOF ALU 	K15				K05-K10		
	fz				0,2-1		
	ap				0,5-3		
	VC				100-350		
RDHT 1003 MOF ALU 	K15				K05-K10		
	fz				0,2-1		
	ap				1-3,5		
	VC				100-350		
RDKW 1003 MOS-MP RDKW 12T3 MOS-MP 	K400	P15-P35	M30-M40	K10-K30			
	fz	0,11-0,22	0,08-0,18	0,11-0,22			
	ap	1-6	1-6	1-6			
	VC	180-300	100-150	220-300			
RDHT 12T3 MOF ALU 	K15				K05-K10		
	fz				0,2-1		
	ap				1-4		
	VC				100-350		

MILLING

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PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
	RDHT 1604 MOF ALU	K15			K05-K10		
	fz				0,2-1		
	ap				1-5		
	VC				100-350		
	RDKW 1604MOS-MP	K400	P15-P35	M30-M40	K10-K30		
	fz	0,11-0,22	0,08-0,18	0,11-0,22			
	ap	1-8	1-8	1-8			
	VC	180-300	100-150	220-300			
	SCMT 060204	K400	P15-P30	M20-M35	K15-K30		
	fz	0,05-2	0,05-2	0,05-2			
	ap	0,1-2	0,1-2	0,1-2			
	VC	100-240	130-220	120-200			
	SCMT 09T308	K400	P10-P30	M10-M25	K10-K20		
	fz	0,18-0,45	0,20-0,40	0,15-0,50			
	ap	0,5-3,2	0,5-3,2	0,5-4			
	VC	120-250	80-220	120-230			
	SCMT 120408	K400	P10-P30	M10-M25	K10-K20		
	fz	0,13-0,30	0,20-0,40	0,15-0,50			
	ap	1-5	1-5	1-5			
	VC	120-250	110-170	120-230			
	SDMT 1205 PDR.69	P25	P25				
	fz	0,07-0,20					
	ap	0,1-8,8					
	VC	70-200					
	SDMT 1205 PDR.69	TIN	P20-P40	M20-M40			
	fz	0,10-0,25	0,07-0,20				
	ap	0,1-8,8	0,1-5,3				
	VC	120-280	80-200				
	SDMT 1205 PDR.69	TIALN	P20-P35	M20-M35	K20-K30		
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	1-5	1-5	1-5			
	VC	110-220	70-130	120-230			
	SEEX 12T408 TiN	TiN	P25-P40	M20-M40	K20-K40		
	fz	0,08-0,15	0,08-0,15	0,08-0,15			
	ap	0,5-2,5	0,5-2,5	0,5-2,5			
	VC	80-150	80-150	80-150			
	SEHT 13T3	K300	P25-P40	M20-M40	K20-K40		
	fz	0,10-0,30	0,05-0,25	0,10-0,30			
	ap	0,5-5	0,5-5	0,5-5			
	VC	110-220	90-160	120-200			
	SEHT 13T3	P200	P25-P40		K10-K20		
	fz	0,08-0,30		0,05-0,30			
	ap	0,1-5		0,1-5			
	VC	170-250		160-260			
	SEHT 13T3	P300	P30-P40	M30-M40			
	fz	0,05-0,30	0,01-0,30				
	ap	0,5-5	0,1-5				
	VC	110-190	80-150				
	SEHX 13T03 ALU	K15			K10-K20		
	fz				0,10-0,30		
	ap				0,1-3		
	VC				200-350		
	SEHX 1204 ALU	K15			K10-K20		
	fz				0,10-0,30		
	ap				0,1-3		
	VC				200-350		

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
SEKR 1203 AFTN 	K400	P15-P40	M15-M35	K10-K50			
	fz	0,15-0,36	0,12-0,26	0,15-0,41			
	ap	0,5-5	0,5-5	0,5-7			
	VC	130-240	70-170	100-200			
SDKT 1204 SEKT 1204 AFTN 	K400	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,16	0,10-0,13	0,10-0,15			
	ap	0,5-5	0,5-5	0,5-5			
	VC	130-240	70-170	100-200			
SNEX 1206 ANN MA ALU 	K15				K10-K20		
	fz				0,10-0,30		
	ap				0,1-3		
	VC				200-350		
SNHX 1102/03 T 	P25	P25					
	fz	0,05-0,11					
	ap	0,1-11					
	VC	70-90					
SNHX 1102/03 T 	TIN	P20-P40	M20-M40				
	fz	0,06-0,15	0,05-0,1				
	ap	0,1-11	0,1-11				
	VC	140-160	90-120				
SNHX 1203/05 T 	P25	P25					
	fz	0,05-0,11					
	ap	0,1-12					
	VC	70-90					
SNHX 1203/05 T 	TIN	P20-P40	M20-M40				
	fz	0,06-0,15	0,05-0,1				
	ap	0,1-12	0,1-12				
	VC	140-160	90-120				
SNHX 1102/03 T SNHX 1203/05 T 	TIALN	P25-P40	M20-M40	K20-K40			
	fz	0,08-0,15	0,08-0,15	0,08-0,15			
	ap	--	--	--			
	VC	120-200	70-130	130-210			
SNHX 1102/03 ALU SNHX 1203/05 ALU 	K15				K10-K15		
	fz				0,08-0,15		
	ap				--		
	VC				200-500		
SNMU 1206 ANER 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,05-0,25	0,05-0,25	0,05-0,25			
	ap	0,5-5	0,5-5	0,5-5			
	VC	110-220	90-160	120-200			
SNMU 1206 ANER 	P200	P10-P20		K10-K20			
	fz	0,05-0,25		0,05-0,25			
	ap	0,5-5		0,5-5			
	VC	190-290		200-300			
SNMU 1206 ANER 	P300	P30-P40	M30-M40				
	fz	0,05-0,25	0,05-0,25				
	ap	0,5-5	0,5-5				
	VC	110-190	90-170				
SNMX 1206 ANN1 	K300	P25-P40	M20-M40	K20-K40			
	fz	0,10-0,30	0,05-0,25	0,10-0,30			
	ap	0,5-5	0,5-5	0,5-5			
	VC	110-220	90-160	120-200			

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PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
	SNMX 1206 ANN1	P200	P25-P40		K20-K40		
	fz	0,05-0,25		0,05-0,20			
	ap	0,5-5		0,5-5			
	VC	180-280		160-270			
	SNMX 1206 ANN1	P300	P30-P40	M20-M40			
	fz	0,05-0,25	0,05-0,25				
	ap	0,5-5	0,5-5				
	VC	110-190	70-170				
	SNKX 1206 ANN1	K400	P25-P40	M20-M40	K20-K40		
	fz	0,08-0,12	0,06-0,2	0,12-0,35			
	ap	0,12-6	0,12-6	0,12-6			
	VC	110-200	70-150	120-200			
	SPGT 060304 ALU	K15			K10-K15		
	fz				0,10-0,20		
	ap				0,5-2,0		
	VC				200-700		
	SPGT 09T308 ALU	K15			K10-K15		
	fz				0,10-0,20		
	ap				0,5-2,0		
	VC				200-700		
	SPGT 120408 ALU	K15			K10-K15		
	fz				0,10-0,20		
	ap				0,5-5,0		
	VC				200-700		
	SPMT 060304	K400	P15-P40	M15-M35	K10-K50		
	fz	0,05-0,10	0,05-0,08	0,05-0,12			
	ap	0,3-3	0,3-3	0,3-3			
	VC	130-240	70-170	110-220			
	SPMT 09T308	K400	P15-P40	M15-M35	K10-K50		
	fz	0,08-0,20	0,08-0,20	0,05-0,20			
	ap	0,5-4	0,5-4	0,5-4			
	VC	130-240	70-170	110-220			
	SPMT 120408	K400	P15-P40	M15-M35	K10-K50		
	fz	0,08-0,20	0,08-0,20	0,11-0,25			
	ap	0,5-6	0,5-6	0,5-6			
	VC	130-240	70-170	110-220			
	TCGX 163504	K400	P10-P30	M10-M25	K10-K20		
	fz	0,08-0,15	0,08-0,15	0,08-0,15			
	ap	1-7,5	1-7,5	1-7,5			
	VC	30-70	30-50	70-90			
	TCMT 080204	K400	P10-P30	M10-M25	K10-K20		
	fz	0,03-0,15	0,03-0,15	0,03-0,15			
	ap	0,1-1,0	0,1-1,0	0,1-1,0			
	VC	80-150	60-130	100-160			
	TCMT 1102 02/04	K400	P10-P30	M10-M25	K10-K20		
	fz	0,08-0,17	0,06-0,16	0,06-0,15			
	ap	0,3-1,8	0,3-1,4	0,3-1,8			
	VC	100-200	80-170	120-230			
	TCMT 16T3 04/08	K400	P10-P30	M10-M25	K10-K20		
	fz	0,10-0,20	0,08-0,16	0,08-0,18			
	ap	0,3-2,5	0,3-2	0,3-2,5			
	VC	120-250	80-170	120-230			
	TCMX 16T3/08 ZR	TiN/TiAlN	P25-P40	M20-M40	K20-K40		
	fz	0,02-0,04	0,02-0,04	0,02-0,04			
	ap	0,5-1,5	0,5-1,5	0,5-1,5			
	VC	30-70	30-50	50-90			

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

MILLING		P	M	K	N	S	H
 WNEU 040304/08 K300	P25-P40	M20-M40	K20-K40				
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,5-3,5	0,5-3,5	0,5-3,5			
	VC	110-200	50-120	120-200			
 WNEU 040304/08 P200	P10-P20		K10-K20				
	fz	0,10-0,30		0,10-0,30			
	ap	0,5-3,5		0,5-3,5			
	VC	110-220		110-220			
 WNEU 040304/08 P300	P25-P40	M30-M40					
	fz	0,10-0,30	0,10-0,30				
	ap	0,5-3,5	0,5-3,5				
	VC	110-200	60-130				
 WNEU 080608/12 K300	P25-P40	M20-M40	K20-K40				
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,5-6	0,5-6	0,5-6			
	VC	110-200	50-120	120-200			
 WNEU 080608/12 P200	P10-P20		K10-K20				
	fz	0,10-0,30		0,10-0,30			
	ap	0,5-6		0,5-6			
	VC	110-220		110-220			
 WNEU 080608/12 P300	P30-P40	M30-M40					
	fz	0,10-0,30	0,10-0,30				
	ap	0,5-6	0,5-6				
	VC	100-170	60-130				
 WNEU 080608 K400	P10-P30		K15-K25			H10-H35	
	fz	0,10-0,30		0,10-0,30			0,10-0,30
	ap	0,5-6		0,5-6			0,5-6
	VC	110-220		120-200			120-200
 WNUMU 080608-MB K400	P25-P40	M20-M40	K20-K40				
	fz	0,10-0,30	0,10-0,30	0,10-0,30			
	ap	0,5-6	0,5-6	0,5-6			
	VC	110-200	50-120	120-200			
 WNEX 080608 ALU K15				K10-K20			
	fz				0,10-0,30		
	ap				0,5-6		
	VC				300-500		
 XNEX 080610-HF K400		M20-M40					
	fz		0,40-1,00				
	ap		0,30				
	VC		114-171				

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PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

TURNING		P	M	K	N	S	H
	CCGT 030102 - FN	K400	P20-P35	M10-M25	K10-K20		
	f	0,03-0,15	0,03-0,15	0,03-0,15			
	--	--	--	--			
	VC	100-190	70-90	120-200			
	CCGT 0602 02/04 ALU CCGT 09T3 02/04/08 ALU CCGT 1204 02/04/08 ALU	K15			K10-K20		
	f				0,05-0,20		
	--				--		
	VC				160-250		
	CCMT 0602 02/04	K400	P10-P30	M10-M25	K10-K20		
	f	0,07-0,17	0,06-0,14	0,06-0,15			
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	VC	120-250	80-220	120-230			
	CCMT 09T3 04/08	K400	P10-P30	M10-M25	K10-K20		
	f	0,09-0,20	0,08-0,26	0,08-0,20			
	--	--	--	--			
	VC	120-250	80-220	120-230			
	CCMT 1204 04/08	K400	P10-P30	M10-M25	K10-K20		
	f	0,18-0,45	0,18-0,35	0,15-0,50			
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	VC	120-250	80-220	120-230			
	CPGT 05T1 02-04 CDGT 0401 01/02/04 N-ALU	K15			K10-K15		
	f				0,03-0,12		
	--				--		
	VC				160-250		
	CDGT 0401 02/04 FN	K400	P20-P35	M15-M30	K15-K25		
	f	0,03-0,15	0,03-0,15	0,03-0,15			
	--	--	--	--			
	VC	110-190	70-90	120-200			
	DCGT 04T002 FN-ALU	K15			K10-K15		
	f				0,02-0,15		
	--				--		
	VC				160-250		
	DCGT 04T002 EN-PM1	K400	P20-P35	M15-M30	K15-K25		
	f	0,05-0,20	0,05-0,20	0,05-0,20			
	--	--	--	--			
	VC	100-190	70-90	120-200			
	DCGT 0702 02/04	K15			K10-K20		
	f				0,08-0,20		
	--				--		
	VC				160-250		
	DCGT 11T302 04/08	K15			K10-K20		
	f				0,10-0,25		
	--				--		
	VC				160-250		
	DCMT 0702 02/04	K400	P10-P30	M10-M25	K10-K20		
	f	0,07-0,17	0,06-0,14	0,06-0,15			
	--	--	--	--			
	VC	120-250	80-220	120-230			
	DCMT 11T3 02/04/08	K400	P10-P30	M10-M25	K10-K20		
	f	0,18-0,45	0,18-0,35	0,15-0,55			
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	VC	120-250	80-220	120-230			
	SCGT 09T3 04/08 ALU SCGT 120408 ALU	K15			K10-K20		
	f				0,10-0,25		
	--				--		
	VC				160-250		

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

TURNING		P	M	K	N	S	H
SCMT 060204 	K400	P15-P30	M20-M35	K15-K30			
	f	0,05-2	0,05-2	0,05-2			
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	VC	100-240	130-220	120-200			
SCMT 09T308 	K400	P10-P30	M10-M25	K10-K20			
	f	0,18-0,45	0,20-0,40	0,15-0,50			
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	VC	120-250	80-220	120-230			
SCMT 120408 	RK400	P10-P30	M10-M25	K10-K20			
	f	0,13-0,30	0,20-0,40	0,15-0,50			
	--	--	--	--			
	VC	120-250	110-170	120-230			
TCGT 1102 02/04 TCGT 16T3 04/08 	K15				K10-K20		
	f				0,10-0,25		
	--				--		
	VC				160-250		
TCMT 1102 02/04 	K400	P10-P30	M10-M25	K10-K20			
	f	0,08-0,17	0,06-0,16	0,06-0,15			
	--	--	--	--			
	VC	120-250	80-220	120-230			
TCMT 16T3 04/08 	K400	P10-P30	M10-M25	K10-K20			
	f	0,10-0,20	0,08-0,16	0,08-0,18			
	--	--	--	--			
	VC	120-250	80-220	120-210			
VBMT 110304 	K400	P10-P30	M10-M25	K10-K20			
	f	0,07-0,17	0,06-0,14	0,06-0,15			
	--	--	--	--			
	VC	120-250	80-220	120-230			
VBMT 1604 04/08 	K400	P10-P30	M10-M25	K10-K20			
	f	0,16-0,30	0,16-0,30	0,14-0,40			
	--	--	--	--			
	VC	120-250	80-220	120-230			
VCGT 0501 02 FN-ALU VCGT 0702 01/02/04 FN-ALU 	K15				K10-K15		
	f				0,02-0,15		
	--				--		
	VC				160-250		
VCGT 0501 01/02 VCMT 0702 02/04 	K400	P20-P35	M15-M30	K15-K25			
	f	0,05-0,20	0,05-0,20	0,05-0,20			
	--	--	--	--			
	VC	100-190	70-90	120-200			
VCGT 1103 02/04/08 VCGT 1604 04/08 	K15				K10-K20		
	f				0,10-0,25		
	--				--		
	VC				160-250		
VCMT 110304 	K400	P20-P35	M15-M30	K15-K25			
	f	0,05-0,20	0,05-0,20	0,05-0,20			
	--	--	--	--			
	VC	100-190	70-90	120-200			
VCMT 1604 04/08 	K400	P10-P30	M10-M25	K10-K20			
	f	0,09-0,25	0,08-0,20	0,08-0,25			
	--	--	--	--			
	VC	120-200	80-100	120-200			
WCGT 0201 01/02 FN-ALU 	K15				K10-K30		
	f				0,03-0,15		
	--				--		
	VC				160-250		
WCMT 0201 02/04 	X55	P10-P30	M20-M40	K10-K20			
	f	0,05-0,20	0,05-0,20	0,05-0,20			
	--	--	--	--			
	VC	100-190	70-90	120-200			

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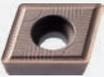
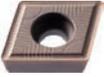
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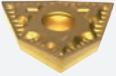
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PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

DRILLING		P	M	K	N	S	H	
SEEX 12T408 TiN 	TIN	P25-P40	M20-M40	K20-K40				
	f	0,02-0,05	0,02-0,05	0,02-0,05				
	--	--	--	--				
	VC	40-80	40-50	40-80				
XPMT 042004 ALU XPMT 052804 ALU XPMT 063306 ALU XPMT 074006 ALU XPMT 094508 ALU XPMT 125812 ALU XPMT 156812 ALU 	K15				K10-K20			
	fz				0,01-0,15			
	ap				--			
	VC				120-340			
	XPMT 042004 XPMT 052804 XPMT 063306 XPMT 074006 XPMT 094508 XPMT 125812 XPMT 156812 	K300	P10-P25		K10-K30			
		fz	0,06-0,15		0,06-0,2			
		ap	--		--			
VC		170-220		200-250				
XPMT 042004 XPMT 052804 XPMT 063306 XPMT 074006 XPMT 094508 XPMT 125812 XPMT 156812 		P300	P10-P30	M20-M35	K10-K30			
		fz	0,06-0,15	0,06-0,15	0,06-0,2			
		ap	--	--	--			
	VC	150-200	140-190	180-230				
	WCHX 040102FN-BAL LW610 WCHX 040104FN-BAL LW610 WCHX 05T102FN-BAL LW610 WCHX 05T104FN-BAL LW610 WCHX 060202FN-BAL LW610 WCHX 060204FN-BAL LW610 WCHX 070304FN-BAL LW610 WCHX 070308FN-BAL LW610 WCHX 090304FN-BAL LW610 WCHX 090308FN-BAL LW610 WCHX 10T304FN-BAL LW610 WCHX 10T308FN-BAL LW610 WCHX 130508FN-BAL LW610 	K15				K10-K20		
		fz				0,01-0,13		
		ap				--		
VC					120-230			

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

DRILLING	P	M	K	N	S	H
WCHX 040102EN-BFM LCP25T WCHX 040104EN-BFM LCP25T WCHX 05T102EN-BFM LCP25T WCHX 05T104EN-BFM LCP25T WCHX 060202EN-BFM LCP25T WCHX 060204EN-BFM LCP25T WCHX 070304EN-BFM LCP25T WCHX 070308EN-BFM LCP25T WCHX 090304EN-BFM LCP25T WCHX 090308EN-BFM LCP25T WCHX 10T304EN-BFM LCP25T WCHX 10T308EN-BFM LCP25T WCHX 130508EN-BFM LCP25T 	K400	P25-P40	M20-M40	K20-K40		
fz	0,01-0,13	0,01-0,13	0,01-0,13			
ap						
VC	130-240	90-160	120-180			
WCHX 040102EN-BFM WCHX 040104EN-BFM LCM45T WCHX 05T102EN-BFM LCM45T WCHX 05T104EN-BFM LCM45T WCHX 060202EN-BFM LCM45T WCHX 060204EN-BFM LCM45T WCHX 070304EN-BFM LCM45T WCHX 070308EN-BFM LCM45T WCHX 090304EN-BFM LCM45T WCHX 090308EN-BFM LCM45T WCHX 10T304EN-BFM LCM45T WCHX 10T308EN-BFM LCM45T WCHX 130508EN-BFM LCM45T 	P300	P30-P40	M30-M40			
fz	0,01-0,13	0,01-0,13				
ap						
VC	70-150	50-150				

MILLING

MINIMILL

MOULDMILL

MICROTOOLS
AMS

MINITOLS

GROOVING

MC DRILLS

NICECUT

YES DRILLS

SLIM CHUCK

INSERTS

WGK

RICAMBI

PARAMETRI
INSERTI

PARAMETRI INSERTI _ SCHNITTDATEN _ CUTTING CONDITION

GROOVING		P	M	K	N	S	H
 GELCGS...		P25-P40	M20-M40	K20-K40	K10-K15		
	K300 VC	120-220		180-200			
 GELCGD...	P300 VC		130-150				
	K15X VC				200-300		
	fz	0,04-0,18	0,04-0,16	0,04-0,18	0,04-0,26		
 CDGW 040101 FN CVD 2P	PKD				x		
	fz				0,005 – 0,15		
	ap				2		
	VC				20 - 600		
 DCGW 04T001 FN CVD 2P	PKD				x		
	fz				0,005 – 0,15		
	ap				2		
	VC				20 - 600		
 VCGW 050101 FN CVD 2P	PKD				x		
	fz				0,005 – 0,15		
	ap				2		
	VC				20 - 600		
 WCGW 020101 FN CVD 3P	PKD				x		
	fz				0,005 – 0,15		
	ap				2		
	VC				20 - 600		
 CDGW 040101 H65-2C	CBN						x
	fz						0,01 – 0,15
	ap						2
	VC						80 - 250
 DCGW 04T001 H65-2C	CBN						x
	fz						0,01 – 0,15
	ap						2
	VC						80 - 250
 VCGW 050101 H65-2C	CBN						x
	fz						0,01 – 0,15
	ap						2
	VC						80 - 250
 WCGW 020101 H65-3C	CBN						x
	fz						0,01 – 0,15
	ap						2
	VC						80 - 250



H I G H Q U A L I T Y T O O L S

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