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MULTIDEX 45

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PENTADEX 66

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TORIDEX

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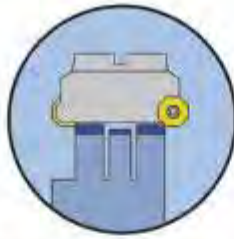
JETMILL

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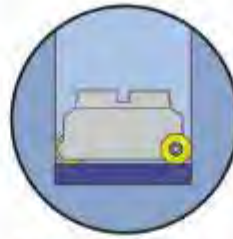




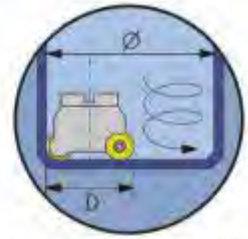
Spianatura
Facemilling
Planfräsen



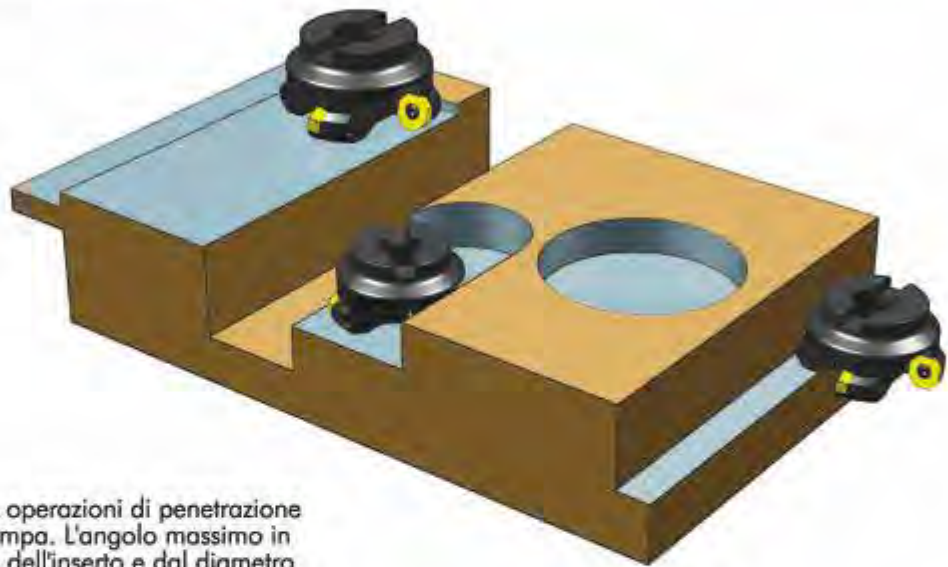
Lavorazione a taglio
interrotto
Demanding intermittent
machining
Schere Bearbeitung bei
unterbrochenem Schnitt



Esecuzione di cave
Full slot milling
Vollnutenfräsen



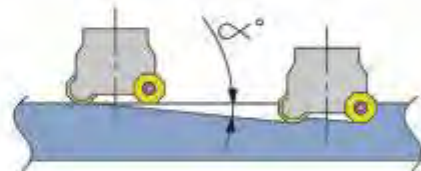
Interpolazione elicoidale
Helical interpolation
Zirkularfräsen



FRESATURA IN RAMPA Nelle operazioni di penetrazione è preferibile usare il sistema in rampa. L'angolo massimo in rampa dipende dalla dimensione dell'inserto e dal diametro della fresa. L'angolo α° per ogni fresa è indicato nella tabella qui di seguito.

RAMPING In penetrating operations ramping is preferred. The maximum ramping angle is dependent on insert size and cutter diameter. The angle α for each cutter is presented in the table below.

EINTAUCHEN ALS RAMPE Wir empfehlen mittels einer Rampe einzutauchen. Der maximale Eintauchwinkel ist abhängig von der Plattengröße und dem Fräserdurchmesser. Der Winkel α° für jeden Fräser ist in der untenstehenden Tabelle angegeben.



CODE N°	D	Fresatura in rampa Ramping Schräges Eintauchen α°	Interpolazione elicoidale Helical interpolation Zirkularfräsen	
			Ø MIN	Ø MAX
801222	32	12°	53	82
801523	40	9°	69	98
802023	50	7°	79	118
802030	50	7°	79	118
802140	63	5°30'	115	144
803050	80	4°	149	178
804060	100	3°	189	218
805070	125	2°	239	268





	CODE N°	D	D1	D2	L	H	Z	ap	
	801222	32	42	32	120	40	2	4,4	
801523	40	50	32	120	40	3	4,4		
802023	50	60	32	120	40	3	4,4		
	802030	50	60	22	20	40	3	4,4	ODEW150508 ODET 150508
	802140	63	73	22	20	40	4	4,4	
	803050	80	90	27	25	50	5	4,4	
	804060	100	110	32		50	6	4,4	
	805070	125	135	40		63	7	4,4	
	806080	160	170	40/40		63	8	4,4	

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
801222	VS5N (torx20)	CV5 (torx20)
801523		
802023		
802030		
802140		
803050		
804060		
805070		
806080		



INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	ODEW150508		•	•		•	•	•		
	ODET150508	•	•			•	•			

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,15	0,25	0,35	0,45
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK25G	235/175	180/140	130/105	105/90
				RK40G	210/180	160/130	120/100	110/80
	Acciai legati Alloy steel Vergütete Formstähle	900-1200		RK25G	160/130	125/105	115/90	
				RK40G	150/120	120/100	110/90	100/80
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200		RK40G	120/100	105/90	95/85	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RB10	250/230	210/190	190/170	160/140
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		190/150	170/130	140/110	110/90

MULTIDEX 45



	CODE N°	D	D1	D2	H	L1	Z	ap	
	451030	40	52	16	40	19	3	5,5	SEHW1204AF SEHT 1204AF
	452040	50	62	22	40	20	4	5,5	
	452150	63	75	22	40	20	5	5,5	
	453050	80	92	27	50	25	5	5,5	

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
451030	VS5N (torx20)	CV5 (torx20)
452040		
452150		
453050		

MULTIDEX 45

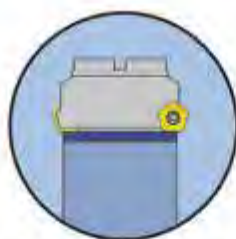
INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	SEHW1204AF		●	●		●	●	●		
	SEHT1204AF	●	●			●	●			

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm ²	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK25G	235/175	180/130	135/110	115/90
				RK40G	210/170	170/120	125/100	110/80
	Acciai legati Alloy steel Vergütete Formstähle	900-1200		RK25G	160/125	135/110		
				RK40G	145/125	120/105	100/90	
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200		RK40G	105/90			
	Acciaio inossidabile Stainless steel Rostfreie Stähle			RK40G	160/120	145/120		
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RB10	180/140	145/120	130/90	105/80
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		150/110	120/90		
	Leghe di Alluminio Aluminium alloys Aluminiumlegierungen		30-100	ZH20	1000/800	870/750	760/600	620/500

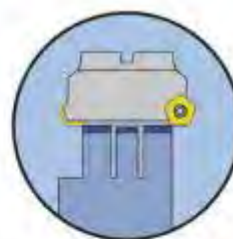
PENTADEX 66



Profondità di passata
sino a 10 mm.
Depth of cut until 10 mm.
Schnitttiefe bis 10 mm.



Sgrossatura e finitura
speculare
Roughing and mirror
finishing
Schrupp- und
Schlichtbearbeitung



Indicato nella lavorazione
a taglio interrotto
Suitable for interrupted
cut operation
Einsetzbar für
unterbrochenen Schnitt

Fresa a spianare per operazioni di sgrossatura e finitura con basso assorbimento di potenza.

Face cutter for finishing and roughing operation with very low power absorption.

Planfräser für Fein- und Schruppbearbeitung mit sehr geringer Kraftaufnahme.


	CODE N°	D	D1	D2	H	L1	Z	ap		
	662150	66	48	27	55	27	5	10		PDHW 120420
	663060	80	60	27	55	27	6	10		
	664070	100	80	32	55		7	10		

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
662150	VS5N (torx20)	ST30	CV5 (torx20)
663060			
664070			

PENTADEX 66

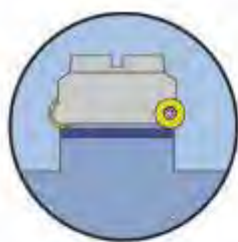
INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	PDHW120420		•		•		•			•

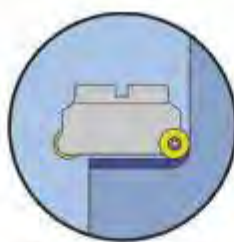
PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,10	0,25	0,35	0,45
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK40G	220/180	175/140	120/100	105/85
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			150/130	125/110	105/90	90/75
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			120/100	105/90	90/75	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RB10	230/200	205/170	160/140	130/110
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		170/150	140/120	115/90	100/80
	Leghe di Alluminio Aluminium alloys Aluminiumlegierungen		30-100	ZH20	800/700	720/680	700/650	620/500

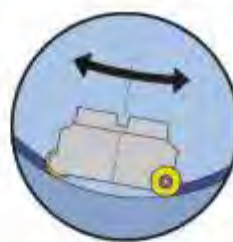
TORIDEX



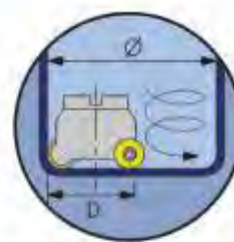
Spianatura
Facemilling
Planfräsen



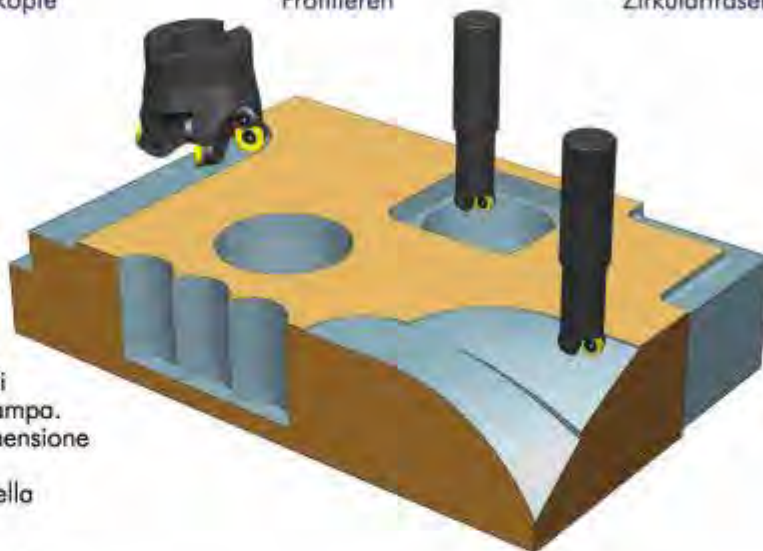
Spallamenti retti
Shoulder milling
Eckmesserköpfe



Profilatura
Profiling
Profilieren



Interpolazione elicoidale
Helical interpolation
Zirkularfräsen

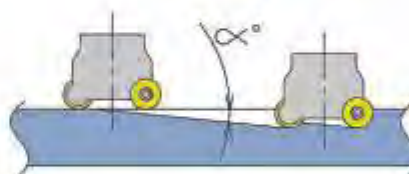


FRESATURA IN RAMPA Nelle operazioni di penetrazione è preferibile usare il sistema in rampa. L'angolo massimo in rampa dipende dalla dimensione dell'inserto e dal diametro della fresa. L'angolo α° per ogni fresa è indicato nella tabella qui di seguito.

RAMPING In penetrating operations ramping is preferred. The maximum ramping angle is dependent on insert size and cutter diameter. The angle α° for each cutter is presented in the table below.

EINTAUCHEN ALS RAMPE

Wir empfehlen mittels einer Rampe einzutauchen. Der maximale Eintauchwinkel ist abhängig von der Plattengröße und dem Fräserdurchmesser. Der Winkel α° für jeden Fräser ist in der untenstehenden Tabelle angegeben.



CODE N°	D	Fresatura in rampa Ramping Schräges Eintauchen α°	Interpolazione elicoidale Helical interpolation Zirkularfräsen			
			d=12		d=16	
			Ø MIN	Ø MAX	Ø MIN	Ø MAX
CX2532-35	25	21°	38	48		
CX3233-35	32	12°	52	62		
CX4034	40	14°			64	78
CX4015-42	42	6°30'	72	82		
CX5051	50	5°30'	88	98		
CX5042	50	10°			84	98
CX5004-52	52	10°			86	100
CX5015-52	52	5°20'	92	102		
CX6316	63	4°	114	124		
CX6325	63	7°20'			110	124
CX6506-66	66	3°50'			116	130
CX6505-66	66	7°	120	130		
CX8006	80	6°			144	158
CX10007	100	4°30'			184	198
CX12508	125	3°20'			234	248



	CODE N°	D	D2	L	L1	L2	Z	op	
		CX1231	12	16	20	40	90	2	
	CX1232	12	16	20	60	110	2	3,5	
	CX1233	12	16	20	80	130	2	3,5	
	CX1531	15	16	40	40	90	2	3,5	RDHX0702MOT
	CX1532	15	16	40	60	110	2	3,5	
	CX1533	15	20	40	80	130	2	3,5	
	CX1534	15	20	40	100	150	2	3,5	
	CX1535	15	25	40	120	178	2	3,5	
	CX2021	20	20	40	40	92	2	5	RDH. 1003MOT RDMX1003MOT
	CX2022	20	20	60	60	112	2	5	
	CX2023	20	25	60	80	138	2	5	
	CX2024	20	25	60	100	158	2	5	
	CX2025	20	25	60	120	178	2	5	
	CX2532-35	25	25		74	130	2	6	RDH. 12T3MOT RDMX12T3MOT
	CX3233-35	32	32		90	150	3	6	
	CX4034	40	32		110	170	3	8	RDH. 1604MOT RDMX1604MOT

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
CX12..	VS2M (torx8)		CV002 (torx20)
CX15..	VS2 (torx8)		
CX20..	VS35L (torx15)		CV004 (torx15)
CX2532-35 CX3233-35		ST40	
CX4034	VS5N (torx20)	ST30	CV5 (torx20)





	CODE N°	D	D2	L1	H	Z	ap	
	CX4015-42	42	16	19	42	5	6	RDH. 12T3MOT RDMX12T3MOT
CX5051	50	22	22	50	5	6		
CX5015-52	52	22	22	50	5	6		
CX6316	63	27	27	55	6	6		
CX6506-66	66	27	27	55	6	6		
CX5042	50	22	22	50	4	8	RDH. 1604MOT RDMX1604MOT	
CX5004-52	52	22	22	50	4	8		
CX6325	63	27	27	55	5	8		
CX6505-66	66	27	27	55	5	8		
CX8006	80	27	27	55	6	8		
CX10007	100	32		55	7	8		
CX12508	125	40		55	8	8		

RICAMBI • SPARES • ERSATZTEILE

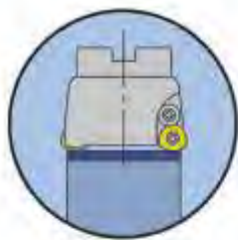
CODE N°			
CX4015-42	VS35L (torx15)	ST40	CV004 (torx15)
CX5051			
CX5015-52			
CX6316			
CX6506-66			
CX5042	VS5N (torx20)	ST30	CV5 (torx20)
CX5004-52			
CX6325			
CX6505-66			
CX8006			
CX10007			
CX12508			

INSERTI • INSERTS • WENDEPLATTEN

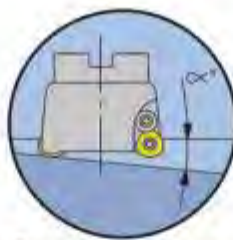
	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
			RDHX0701MOT		●		●		●	
	RDHX0702MOT		●		●		●			●
	RDHX1003MOT	●	●	●		●	●	●		
	RDMX1003MOT		●				●			
	RDHX12T3MOT	●	●		●	●	●			●
	RDMX12T3MOT		●				●			
	RDHX1604MOT	●	●		●		●			●
	RDMX1604MOT	●	●	○		●	●			○
	RDHT1003MOT			●				●		
	RDHT12T3MOT		●	●			●	●		
	RDHT1604MOT		●				●			

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

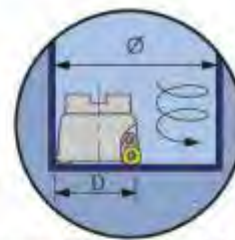
		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,15	0,25	0,40	0,50
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK25G	225/165	180/140	130/100	110/90
				RK40G	200/150	160/125	120/95	105/80
	Acciai legati Alloy steel Vergütete Formstähle	900-1200		RK25G	160/130	135/110	120/100	
				RK40G	150/115	125/110	115/95	100/80
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200		RK40G	125/105	110/100	100/80	85/75
	Acciaio inossidabile Stainless steel Rostfreie Stähle			RK40G	160/120			
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E RB10	210/170	180/160	165/130	150/110
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		180/140	165/120	140/100	120/90



Spianatura
Facemilling
Planfräsen



Fresatura in rampa
Ramping
Eintauchen als Rampe



Interpolazione elicoidale
Helical interpolation
Zirkularfräsen

JET MILL offre numerosi vantaggi. Particolarmente adatta per lavori di svuotamento, non richiede preforo e consente avanzamenti molto elevati. Il sistema di doppio serraggio garantisce massima aderenza e stabilità dell'inserto.

JET MILL offers several advantages. It is particularly suitable for emptying operation and it allows machining with high feed rate. The double clamping system guarantees the insert maximum adherence and stability.

JET MILL bringt mehr Vorteile. Er ist geeignet für Ausräumoperationen, er benötigt keine Vorbohrungen und er erlaubt Bearbeitungen mit hohen Vorschüben. Das doppelte Klemmsystem garantiert beste Positionierung und Stabilität.



CODE N°	D	ap	Fresatura in rampa Ramping Schräges Eintauchen α°	Interpolazione elicoidale Helical interpolation Zirkularfräsen einer Bohrung ins Volle	
				Ø MIN	Ø MAX
JM2532	25	1,5	14°	33	47
JM3233	32	1,5	11°	47	61
JM4204	42	1,5	7°	64	79
JM5204	52	2,0	5°	76	101
JM6605	66	2,0	4°10'	104	129
JM8005	80	2,0	2°35'	132	157




	CODE N°	D	D2	H	ap	L1	L2	Z	
	JM2532	25	25		1,5	65	150	2	
JM3233	32	32		1,5	120	200	3		
JM4204	42	16	42	1,5			4		
	JM5204	52	22	50	2,0			4	JDHW14M520
	JM6605	66	27	55	2,0			5	
	JM8005	80	27	55	2,0			5	

RICAMBI • SPARES • ERSATZTEILE

CODE N°				
JM2532	VS35L (torx15)	ST40	CV004 (torx15)	
JM3233				
JM4204				
JM5204	VS5N (torx20)	ST30		CV5 (torx20)
JM6605				
JM8005				

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	JDHW10T310		●		●		●			●
	JDHW14M520		●		●		●			●

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,70	1,0	2,0	3,0
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK40G	250/120	230/115	200/100	180/90
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			200/110	185/100	170/95	155/80
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			150/90	130/80	110/70	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK40G RB10	250/150	230/120	200/110	180/100
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		230/120	200/105	170/90	150/80



HELIDEX

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MINIDRILL

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JET 90

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	CODE N°	D	D2	ap	L1	L2	Z	 APKT1003PDR
	MH1021	10	16	10	24	80	1	
	MH1221	12	16	10	26	80	1	
	MH1622	16	16	10	30	85	2	
	MH1722	17	16	10	30	85	2	
	MH2023	20	20	10	30	90	3	
	MH2123	21	20	10	30	90	3	
	MH2524	25	25	10	30	95	4	
	MH3225	32	25	10	30	95	5	





	CODE N°	D	D2	ap	L1	L2	Z	 APKT1003PDR
	MH1021L	10	16	10	31	160	1	
	MH1221L	12	16	10	31	160	1	
	MH1622L	16	16	10	41	180	2	
	MH1722L	17	16	10	25	180	2	
	MH2022L	20	20	10	41	200	2	
	MH2023L	20	20	10	41	200	3	
	MH2122L	21	20	10	25	250	2	
	MH2532L	25	25	13,5	50	200	2	
	MH3233L	32	32	13,5	50	250	3	
	MH4033L	40	32	13,5	190	250	3	




	CODE N°	D	D2	ap	L1	H	Z	
	MH401006	40	22	10	20	40	6	
MH501007	50	22	10	20	40	7		
MH631008	63	22	10	20	40	8		
MH501505	50	22	13,5	20	40	5	ADKT1505PDR	
MH631506	63	22	13,5	20	40	6		
MH801507	80	27	13,5	25	50	7		
MH401604	40	16	15	20	40	4	APKT1604PDR	
MH501605	50	22	15	20	40	5		
MH631606	63	22	15	20	40	6		
MH801607	80	27	15	25	50	7		

RICAMBI • SPARES • ERSATZTEILE

CODE N°				
MH1021	MH1021L	MH401006	VS2 (Torx8)	CV002 (torx8)
MH1221	MH1221L	MH501007		
MH1622	MH1622L	MH631008		
MH1722	MH1722L			
MH2023	MH2022L			
MH2123	MH2023L			
MH2524	MH2122L			
MH3225				
	MH2532L	MH501505	VS4 (Torx15)	CV004 (torx15)
	MH3233L	MH631506		
	MH4033L	MH801507		
		MH401604		
		MH501605		
		MH631606		
		MH801607		

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	APKT1003PDR		●				●			
	APKT1604PDR		●				●			
	ADKT1505PDR		●				●			

MINIDRILL



	CODE N°	D	D2	L	L1	ap	Z	
	MN2032	20	20	106	56	6	2	1CCMW060208 1ADGW100308
	MN2032L	20	25	130	65	6	2	1CCMW060208 1ADGW100308
	MN2532L	25	25	150	80	9	2	1CCMW09T308 1ADGW130308
	MN3232L	32	32	170	90	12	2	1CCMW120408 1APGW160408

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
MN2032 MN2032L	VS2-VS4T (torx8)-(torx15)	CV002-CV004 (torx8)-(torx15)
MN2532L	VS4-VS4T (torx15)	CV004 (torx15)
MN3232L	VS5N (torx20)	CV5 (torx20)

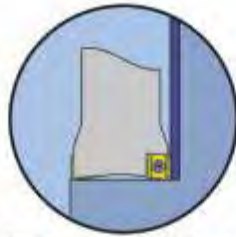
INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	CCMW060208		●				●			
	CCMW09T308		●				●			
	CCMW120408		●				●			
	ADGW100308		●		●		●			●
	ADGW130308		●				●			
	APGW160408		●				●			

JET 90



Finitura spallamenti retti
Finishing shoulder milling
Schlichten Eckmesserköpfe



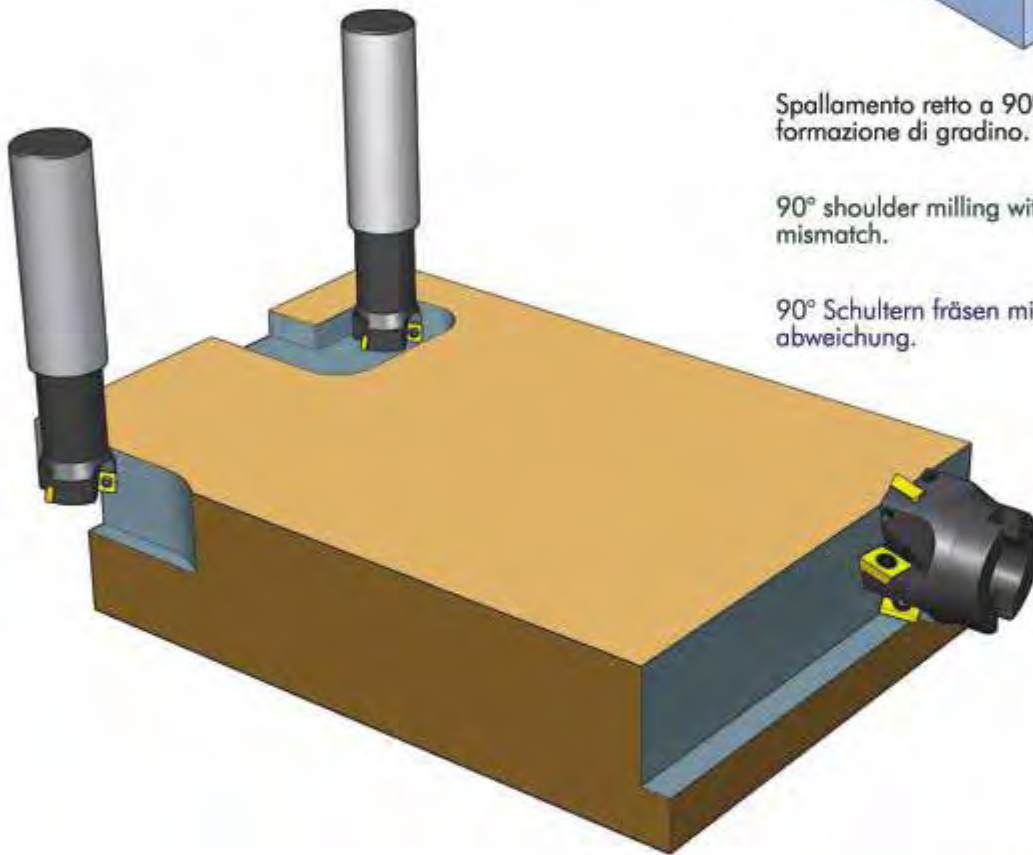
Spianatura di finitura
Finishing facemilling
Schlichten planfräsen



Spallamento retto a 90° con minima
formazione di gradino.

90° shoulder milling with minimized
mismatch.

90° Schultern fräsen mit minimaler
abweichung.






	CODE N°	D	D2	H	op	L1	L2	Z	
		JE1632	16	16		10	30	90	
	JE2033	20	20		10	40	110	3	
	JE2533	25	25		10	45	120	3	
	JE3234	32	32		10	50	120	4	
	JE4005	40	16	36	10			5	ADHT1003PER
	JE5005	50	22	40	14			5	ADHT1404PER
	JE6306	63	22	40	14			5	

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
JE1632	VS2 (torx8)	CV002 (torx8)	
JE2033			
JE2533			
JE3234			
JE4005	VS5N (torx20)		CV5 (torx20)
JE5005			
JE6306			

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	ADHT1003PER		●				●			
	ADHT1404PER		●				●			

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm ²	HB		fz = mm			
					0,10	0,15	0,20	0,25
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Untlegierter Werkzeugstähle	400-900		RK40G	200/140	180/130	155/120	145/115
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			160/125	145/120	130/110	
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			135/115	120/105	105/90	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK40G	170/110	140/100	120/85	100/70
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		130/90	110/65		



MILLCOP MG

pag. 27



COPIDRILL CD

pag. 31



COPIBALL CA

pag. 33



JET BF

pag. 37



COPIDRILL CARBIDE CCD - HSM

pag. 40



COPIBALL CARBIDE CC - HSM

pag. 40



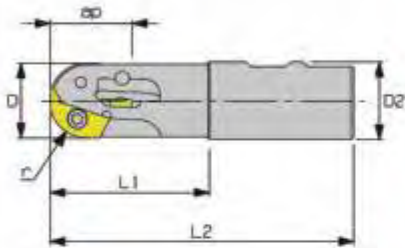

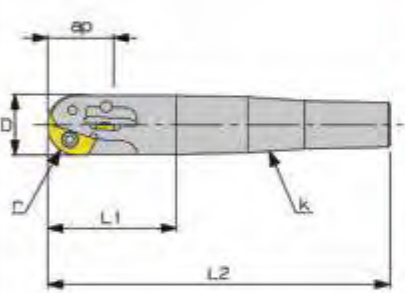
JET CARBIDE CCBF - HSM

pag. 42



MILLCOP MG

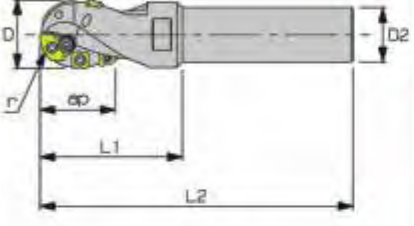
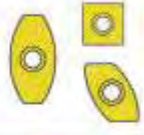
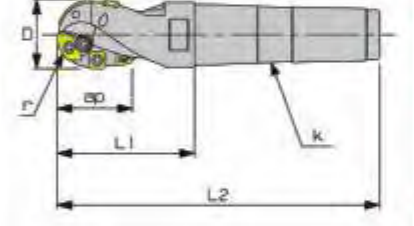


	CODE N°	D	D2	K	ap	L1	L2	r	Z	
	MG2532	25	25			15	60	117	12,5	
MG2532L	25	32			15	110	170	12,5	2	
MG3234	32	32			31	65	125	16	2	2RCCW230516 2SDLW090308
MG3236L	32	32			45	120	180	16	2	
	MG2542	25		CM3	15	60	146	12,5	2	2RCCW190412
	MG2542L	25		CM4	15	110	219	12,5	2	
	MG3244	32		CM4	31	65	174	16	2	2RCCW230516 2SDLW090308
	MG3244L	32		CM4	31	90	199	16	2	
	MG3244XL	32		CM4	45	120	228	16	2	2RCCW230516 4SDLW090308
	MG3246L	32		CM5	45	120	256	16	2	







MILLCOP MG



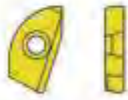
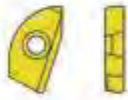


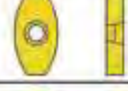

	CODE N°	D	D2	K	ap	L1	L2	r	Z	
	MG4035	40	32			52	95	155	20	1
MG4037L	40	40			70	150	220	20	1	1 RDCW250620 1 RDEW220620 5 SPLW1204AD
MG5037L	50	40			75	160	230	25	1	1 RDCW250625 1 RDEW290625 5 SPLW1204AD
	MG4045	40		CM4	52	95	204	20	1	1 RDCW250620 1 RDEW220620 3 SPLW1204AD
	MG4057L	40		CM5	70	150	286	20	1	1 RDCW250620 1 RDEW220620 5 SPLW1204AD
	MG5055	50		CM5	58	101	237	25	1	1 RDCW250625 1 RDEW290625 3 SPLW1204AD
	MG5057L	50		CM5	75	160	296	25	1	1 RDCW250625 1 RDEW290625 5 SPLW1204AD

MILLCOP MG

RICAMBI • SPARES • ERSATZTEILE

CODE N°				
MG2532	VS40C (torx15)			CC4 (torx15)
MG2532L				
MG2542				
MG2542L	VS50C (torx20)	VS4T (torx15)		CC4 (torx15) CC5 (torx20)
MG3234				
MG3236L				
MG3244				
MG3244L				
MG3244XL				
MG3246L	VS5N (torx20)		ST30	CC5 (torx20)
MG4035				
MG4037L				
MG4045				
MG4057L				
MG5037L				
MG5055				
MG5057L				

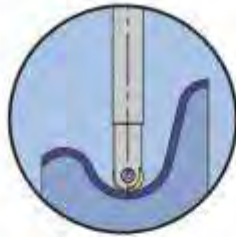
INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	RCCW190412		●				●			
	RCCW230516		●				●			
	SDLW090308	●	●			●	●			
	RDCW250620		●				●			
	RDCW250625		●				●			
	RDEW220620		●				●			
	RDEW290625		●				●			
	SPLW1204AD		●		●		●			●

COPIDRILL CD • COPIBALL



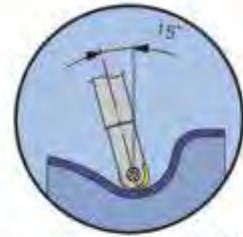
Copiatra in generale
General copying
Allgemeines kopierfräsen



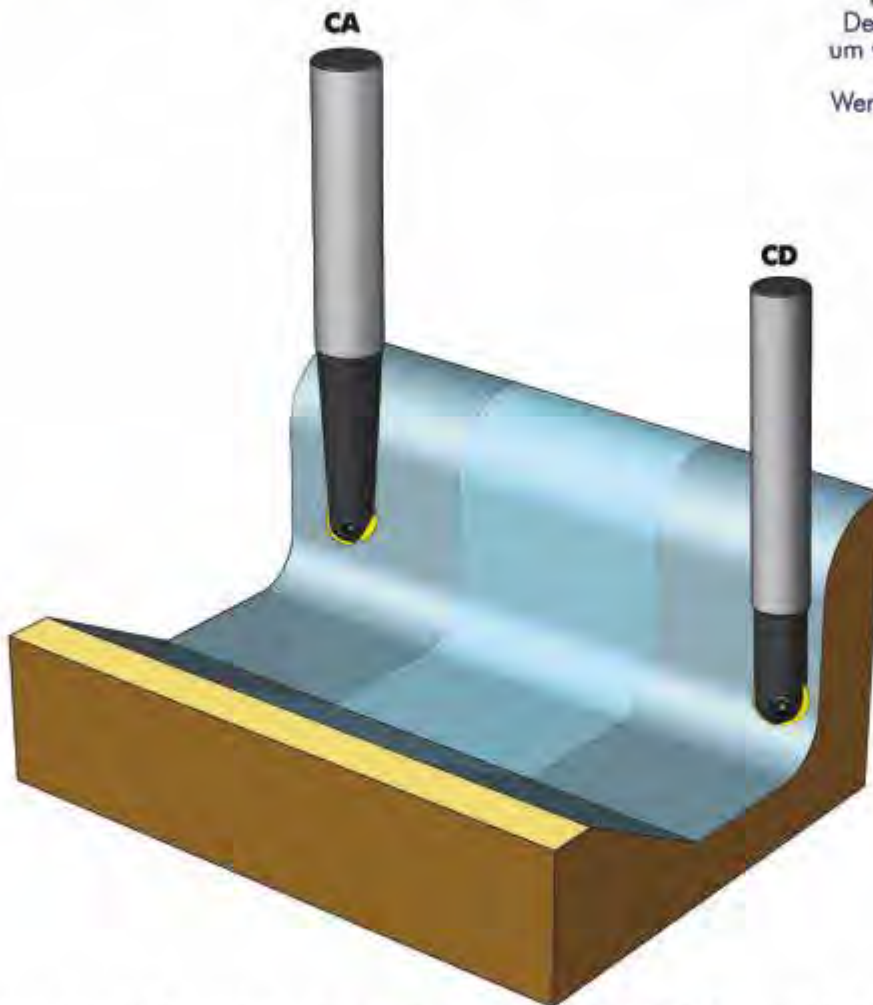
Semifinitura
Semifinishing
Vorschlichten



Copiatra di Superfinitura
Superfinishing for copy milling
Super-Schlichten für die
Kopierbearbeitung



Inclinare l'asse fresa di 10°-15°
elimina la Vc.0, e aumenta
a durata dell'inserto
Tilt the cutter axis of 10°-15°
decrease the Vc.0 and
increase the insert's life
Den Fräser 10°-15° anstellen,
um vC=0 zu vermeiden und die
Lebensdauer der
Wendeschneidplatte zu erhöhen



COPIBALL: frese di semifinitura e finitura in copiatra, consentono di ottenere una buona finitura impiegando elevate velocità di taglio.

COPIBALL: copying cutters in semi-finishing and finishing operation, permit to have a good finished surface using high cutting speed.

COPIBALL: Kopierfräser für die Fein- und Feinstbearbeitung zum Erzielen von höchsten Oberflächengüten bei hohen Schnittgeschwindigkeiten.

COPIBALL: frese di finitura e super-finitura, consentono di ottenere una superficie finita speculare impiegando un'elevata velocità di taglio.

COPIBALL: finishing and super-finishing cutters, permit to have the specular finished surface together with high cutting speed.

COPIBALL: Schlicht und Super-Schlichtfräser für höchste Oberflächengüten beim HSC-Fräsen und ökonomisches Arbeiten.

COPI DRILL CD




	CODE N°	D	D2	L1	L2	
	CD1233	12	12	32	130	
CD1234	12	12	46	150	RCN16..	
CD1633	16	16	36	140		
CD1634	16	16	53	160		
CD2033	20	20	45	160	RCN20..	
CD2034	20	20	61	175		
CD2533	25	25	45	160	RCN25..	
CD2534	25	25	70	190		
	CD0835	8	12	46	150	RCN08..
	CD1035	10	12	46	150	RCN10..
	CD1235	12	16	58,5	160	RCN12..
	CD1635	16	20	65	175	RCN16..
	CD2035	20	25	76	190	RCN20..
	CD2535	25	32	98	210	RCN25..
	CD1231	12	12	35	80	RCN12..
	CD1232	12	12	46	100	
	CD1631	16	16	35	83	RCN16..
	CD1632	16	16	53	110	
	CD2031	20	20	45	95	RCN20..
	CD2032	20	20	61	125	
	CD3232	32	32	80	140	RCN32..

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
CD08..	VS08 (torx8)	CV002 (torx8)
CD10..	VS10 (torx8)	
CD12..	VS12 (torx20)	CV005 (torx20)
CD16..	VS16 (torx20)	
CD20..	VS20 (torx20)	
CD25..	VS25 (torx20)	
CD32..	VS32 (torx20)	

INSERTI • INSERTS • WENDEPLATTEN

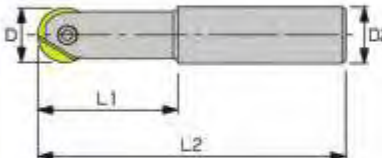

CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
				●				●	●
RCN08			●				●	●	
RCN10			●				●	●	
RCN12			●				●	●	
RCN16			●				●	●	
RCN20			●				●	●	
RCN25			●				●	●	
RCN32			●				●	●	
RCN08AL			●				●		
RCN10AL			●				●		
RCN12AL			●				●		
RCN16AL			●				●		
RCN20AL			●				●		
RCN25AL			●				●		
RCN32AL			●				●		

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK03E RK03CF	250/180	220/160	200/150	180/135
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			220/150	200/140	180/125	
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			160/125	140/105	120/90	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E RK03CF	320/200	290/165	250/140	210/120
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		270/180	240/130	200/105	150/90
	Leghe di Alluminio Aluminium alloys Aluminiumlegierungen		30-100	ZK03M	1100/900	1000/850	900/600	800/550

COPIBALL



	CODE N°	D	D2	L1	L2	
	CA0822	8	12	35	92	RCA08
CA0823	8	12	53	110		
CA1022	10	12	35	92	RCA10	
CA1023	10	12	53	110		
CA1222	12	12	32	100	RCA12	
CA1223	12	12	36	125		
CA1224	12	12	46	150		
CA1622	16	16	32	100		
CA1623	16	16	38	125	RCA16	
CA1624	16	16	50	160		
CA2022	20	20	40	115		
CA2023	20	20	50	150	RCA20	
CA2024	20	20	60	190		
CA2522	25	25	46	125		
CA2523	25	25	50	150	RCA25	
CA2524	25	25	64	200		
CA3222	32	32	50	130		
CA3223	32	32	60	190	RCA32	
CA3224	32	32	76	250		






	CODE N°	D	D2	K	L1	L2	α°	
		CA0825	8	12		75	132	1°50'
	CA1025	10	12		75	132	1°30'	RCA10
	CA1225	12	16		60	160	1°30'	RCA12
	CA1625	16	20		57	175	1°30'	RCA16
	CA2025	20	25		80	190	1°50'	RCA20
	CA2026	20	25		80	250	1°50'	
	CA2525	25	32		100	215	1°30'	RCA25
	CA2526	25	32		100	315	1°30'	
	CA3225	32	40		110	240	1°10'	RCA32
	CA3226	32	40		110	305	1°10'	
	CA1252	12		CM2	53	121		RCA12
	CA1652	16		CM2	63	131		RCA16
	CA2052	20		CM2	75	143		RCA20
	CA2552	25		CM3	90	175		RCA25
	CA3252	32		CM4	106	214		RCA32

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
CA08..	VSA08 (torx7)	CV015 (torx7)	
CA10..	VSA10 (torx8)	CV002 (torx8)	
CA12..	VSA12 (torx10)	CV003 (torx10)	
CA16..	VSA16 (torx15)	CV004 (torx15)	
CA20..	VSA20 (torx20)	CV005 (torx20)	
CA25..	VSA25 (torx30)		CC6
CA32..	VSA32 (torx30)		(torx30)

INSERTI • INSERTS • WENDEPLATTEN

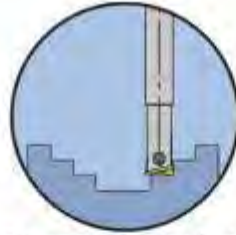
	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	RCA08				•				•	•
RCA10				•				•	•	
RCA12				•				•	•	
RCA16				•				•	•	
RCA20				•				•	•	
RCA25				•				•	•	
RCA32				•				•	•	

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

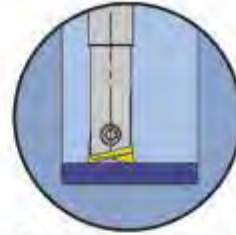
		Durezza Hardness Härte			Vc = m/min			
		N/mm ²	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK03E RK03CF	250/180	220/160	200/150	180/135
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			200/150	180/130	160/110	140/90
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			160/120	140/105	110/80	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E RK03CF	330/200	290/160	240/130	200/115
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		260/170	220/120	190/100	125/85
	Leghe di Alluminio Aluminium alloys Aluminiumlegierungen		30-100	ZK03M	1100/900	1000/850	900/600	800/550
	Grafite - Graphite - Graphit			RK03E	400/200	300/150		



Copiatura di Superfinitura
Super-finishing for copy milling
Super-Schichten für die
Kopierbearbeitung



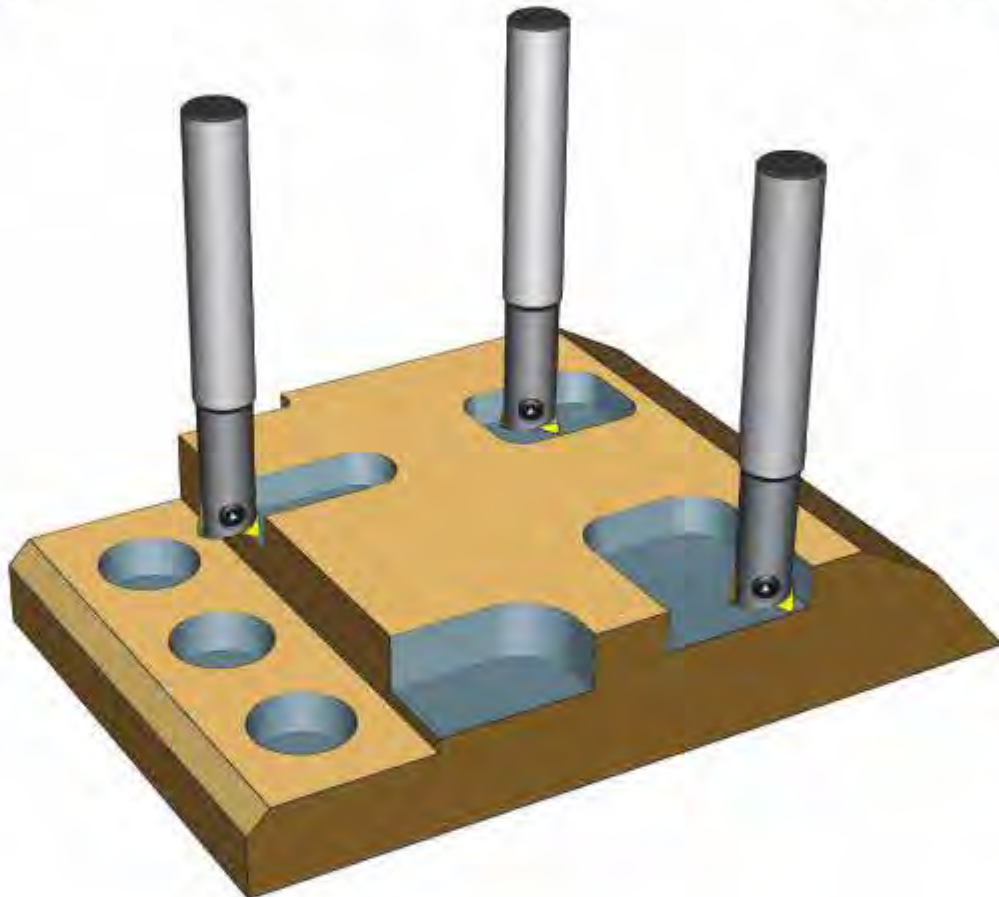
Copiatura per interpolazione
Interpolation copying
Zirkularkopierfräsen



Esecuzione di cave
Full slot milling
Vollnutenfräsen



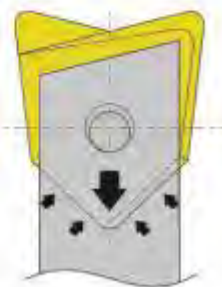
Avanzamento per piani
inclinati
Ramping
Eintauchen als rampe



JET BF Si utilizzano per operazioni di svuotamento e copiatura stampi, permettendo lavorazioni di foratura e fresatura. La particolare geometria di taglio permette forti avanzamenti anche nelle lavorazioni più difficili. Notevole la robustezza di questa fresa grazie alla chiusura perfetta garantita da una base prismatica.

JET BF Are designed for both emptying and mould copying operation, and allow milling and drilling machining. The cutting geometry permits high feed rates in even the most difficult materials to machine. This tool is very strenght, thanks to the perfect lock, guranteed by a prismatic seat.

JET BF ist ausgelegt für die Bearbeitungen: Ausräumen und Kopierfräsen und es erlaubt die Fräs- und Bohrbearbeitung. Die Schneidengeometrie ermöglicht hohe Vorschübe in der Bearbeitung von schwerzerspanbaren Werkstoffen. Das Werkzeug hat eine hohe Festigkeit, dank der perfekten Klemmung, garantiert durch den prismatischen Sitz.






	CODE N°	D	D2	L1	L2	
	BF1221	12	12	36	125	
BF1222	12	12	46	190		
BF1621	16	16	50	160	RBF1613	
BF1622	16	20	57	190		
BF2021	20	20	50	150	RBF2016	
BF2022	20	20	61	200		
BF2521	25	25	50	150	RBF2520	
BF2522	25	25	64	200		

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
BF122.VSB12	(Torx15)	CV004 (Torx15)	
BF162.VS16	(Torx20)	CV005 (Torx20)	
BF202.VS20	(Torx20)	CV005 (Torx20)	
BF252.VSB25	(Torx30)		CC6 (Torx30)

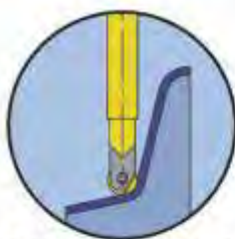
INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	RBF1210			•				•	•	
	RBF1613			•				•	•	
	RBF2016			•				•	•	
	RBF2520			•				•	•	

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm ²	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK03E	200/170	180/150	160/135	140/120
	Acciai legati Alloy steel Vergütete Formstähle	900-1200		RK03E	170/130	145/120	130/110	115/95
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200		RK03CF	140/110	125/100	110/90	100/80
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E	230/180	210/160	180/140	150/120
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290	RK03E RK03CF	190/120	160/100	140/90	120/85
	Grafite - Graphite - Graphit			RK03CF	300/200	250/150		

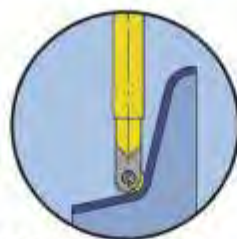
CARBIDE SHANK



COPIBALL CARBIDE CC:
copiatura di superfinitura
con alta velocità di taglio
per macchine HSC.

COPIBALL CARBIDE CC:
copying superfiniting
operation with high speed cut
and for HSC machine.

COPIBALL CARBIDE CC:
Feinstbearbeitung mit hohen
Schnittgeschwindigkeiten
und HSC Bearbeitung



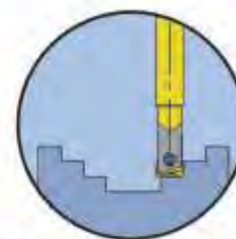
COPIDRILL CARBIDE CCD:
copiatura di finitura
con alta velocità di
taglio per macchine HSC.

COPIDRILL CARBIDE CCD:
copying finishing operation
with high speed cut and
for HSC machine.

COPIDRILL CARBIDE CCD:
Kopierfräsen mit hohen
Schnittgeschwindigkeiten
und HSC Bearbeitung.



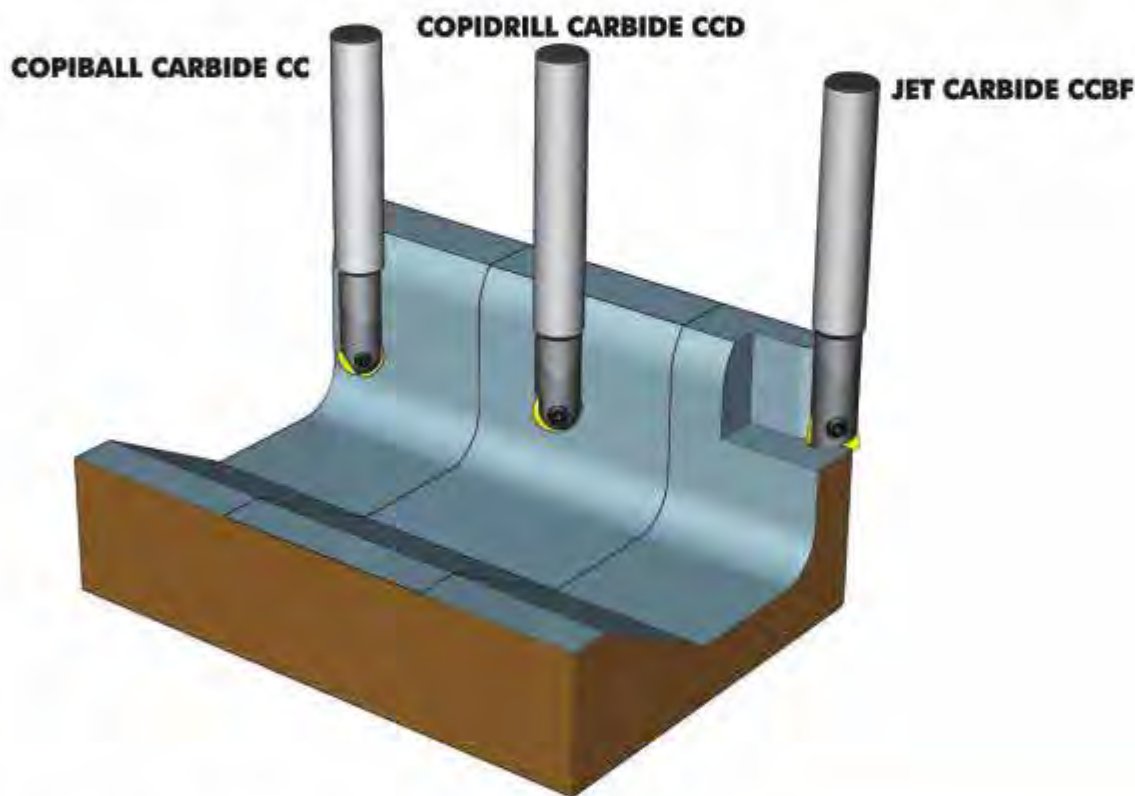
Inclinare l'asse fresa di
10°-15° elimina la Vc.0,
e aumenta la
durata dell'inserto.
Tilt the cutter axis of 10°-15°
decrease the Vc.0 and
increase the insert's life.
Den Fräser 10°-15° anstellen,
um vC=0 zu vermeiden und
die Lebensdauer der
Wendeschneidplatte zu erhöhen.



JET CARBIDE CCBF
Copiatura per
interpolazione.

JET CARBIDE CCBF
Interpolation copying.

JET CARBIDE CCBF
Jet Hartmetall zum
Zirkularkopierfräsen.



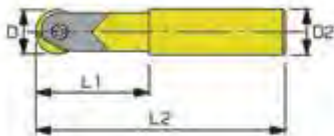

Il corpo in metallo duro riduce al minimo la vibrazioni
aumentando notevolmente la vita dell'inserto e permettendo
una lavorazione in maggiore profondità.

The Carbide body minimizes the vibrations, with a great increase
of the insert's life and allowing a deeper machining.

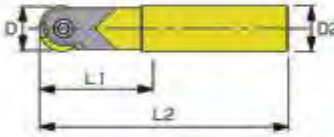


Dieser Hartmetallkörper reduziert Vibrationen, steigert die Standzeit
der Wendeschneidplatten und erlaubt eine höhere Bearbeitung.

COPIBALL CARBIDE CC • COPIDRILL CARBIDE CCD





COPIBALL CC 	CODE N°	D	D2	L1	L2	
	CC1223	12	12	35	120	RCA12
	CC1224	12	12	50	145	
	CC1623	16	16	40	140	RCA16
	CC1624	16	16	89	195	
	CC2023	20	20	50	140	RCA20
	CC2024	20	20	125	240	







COPIDRILL CCD 	CODE N°	D	D2	L1	L2		
	CCD1232	12	12	35	120	RCN12	RCN12AL
	CCD1231	12	12	50	145		
	CCD1632	16	16	40	140	RCN16	RCN16AL
	CCD1631	16	16	89	195		
	CCD2032	20	20	50	140	RCN20	RCN20AL
	CCD2031	20	20	125	240		

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
CC1223 CC1224	VSA12 (torx10)	CV003 (torx10)
CC1623 CC1624	VSA16 (torx15)	CV004 (torx15)
CC2023 CC2024	VSA20 (torx20)	CV005 (torx20)
CCD1231 CCD1232 CCD1631 CCD1632 CCD2031 CCD2032	VS12 VS16 (torx20) VS20	CV005 (torx20)

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
			RCA12 RCA16 RCA20			•				•
	RCN12 RCN16 RCN20			•				•	•	
	RCN12AL RCN16AL RCN20AL			•				•	•	

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm2	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK03E RK03CF	400/300	370/280	320/210	280/180
	Acciai legati Alloy steel Vergütete Formstähle	900-1200			320/260	290/220	260/190	200/140
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200			290/190	230/145	180/110	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E RK03CF	420/330	370/290	310/200	270/170
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290		340/260	280/200	240/180	190/130
	Leghe di Alluminio Aluminium alloys Aluminiumlegierungen		30-100	ZK03M	1250/1200	1100/900	1000/700	900/650
	Grafite - Graphite - Graphit			RK03E RK03CF	450/300	420/280		

JET CARBIDE CCBF




	CODE N°	D	D2	L1	L2	
	CCBF1221	12	12	35	120	
CCBF1222	12	12	50	145		
CCBF1621	16	16	40	140	RBF1613	
CCBF1622	16	16	89	195		
CCBF2021	20	20	50	140	RBF2016	
CCBF2022	20	20	125	240		

RICAMBI • SPARES • ERSATZTEILE

CODE N°		
BF122.VSB12 (torx15)		CV004 (torx15)
BF162.VS16 (torx20)		CV005 (torx20)
BF202.VS20 (torx20)		

JET CARBIDE CCBF

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	RBF1210			●				●	●	
	RBF1613			●				●	●	
	RBF2016			●				●	●	

PARAMETRI DI TAGLIO • CUTTING PARAMETERS • SCHNITTPARAMETER

		Durezza Hardness Härte			Vc = m/min			
		N/mm ²	HB		fz = mm			
					0,10	0,20	0,30	0,40
Acciaio - Steel - Stähle	Acciai poco legati Low alloy steel Unlegierter Werkzeugstähle	400-900		RK03E	360/270	330/250	290/190	250/150
	Acciai legati Alloy steel Vergütete Formstähle	900-1200		RK03E	300/240	280/215	240/170	180/125
	Acciai per stampi Mould steel Durchgehärtete Werkzeugstähle	>1200		RK03E RK03CF	260/165	215/130	165/105	
Ghisa - Cast iron - Guß	Ghisa grigia Gray cast iron Grauguß		190-220	RK03E	400/305	345/265	295/180	255/160
	Ghisa nodulare Nodular cast iron Kugelgraphitguß		230-290	RK03E RK03CF	310/245	250/185	210/160	165/110
	Grafite - Graphite - Graphit			RK03CF	450/300	410/280		



CONTUR

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	CODE N°	D	D2	H	ap	L1	L2	Z		
	CR1022	10	10			4	60	160		2
CR1222	12	10			4	30	160	2		
CR1622	16	12			6	30	200	2	XDHW060210	
CR2023	20	16			6	30	200	3		
CR2523	25	20			6	30	200	3		
CR3223	32	25			10	30	250	3	XDHW10T310	
	CR5005-52	52	22	50	10			5	XDHW10T310	
	CR6506-66	66	27	50	10			6		
	CR8007	80	27	50	10			7		

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
CR1022	VS1 (torx6)		CV001 (torx6)
CR1222			
CR1622	VS2 (torx8)		CV002 (torx8)
CR2023			
CR2523			
CR3223	VS35L (torx15)	ST40	CV004 (torx15)
CR5005-52			
CR6506-66			
CR8007			

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
		XDHW040110	●			●	●			
	XDHW060210	●			●	●				●
	XDHW10T310	●			●	●				●



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PRISMADEX • FRESE PRISMATICHE•PRISMATIC CUTTERS•PRISMENFRÄSER

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GIDEX • FRESE A SMUSSARE E BISELLARE•COUNTERSINK AND CHAMFERING CUTTERS•ZENTRIER- UND FRÄSENFRÄSER

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	CODE N°	D	D2	K	L1	L2	L	D1	Z	
	TR2511C	25	20		11	20	88	12	4	CCM. 060208
	TR3012C	30	20		12	25	93	13	4	
	TR3214C	32	25		14	26	104,5	15	4	
	TR3716C	37	25		16	30	109	17	4	
	TR2511	25		CM2	11	20	105	12	4	CCM. 060208
	TR3012	30		CM2	12	25	110	13	4	
	TR3214	32		CM3	14	26	133	15	4	CCM. 09T308
	TR3716	37		CM3	16	30	138	17	4	
	TR4018	40		CM3	18	31	140	19	4	CCM. 120408
	TR4620	46		CM4	20	35	170	24	4	
	TR4922	49		CM4	22	38	175	25	4	



RICAMBI • SPARES • ERSATZTEILE

CODE N°		
TR2511C TR3012C TR2511 TR3012	VS2 (torx8)	CV002 (torx8)
TR3214C TR3716C TR3214 TR3716	VS4 (torx15)	CV004 (torx15)
TR4018 TR4620 TR4922	VS5N (torx20)	CV005 (torx20)

INSERTI • INSERTS • WENDEPLATTEN

 	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	 	CCMW060208		•				•		
CCMW09T308			•				•			
CCMW120408			•				•			
 	CCMT060208		•		•		•			•
	CCMT09T308		•				•			
	CCMT120408		•		•		•			•

PRISMADEX



	CODE N°	D	D2	L1	L2	α°	Z	
	AR08060	80	16	25	36	60°	8	ARG2560
AR10060	100	22	33	45	60°	8	ARG3360	

RICAMBI • SPARES • ERSATZTEILE

CODE N°			
AR08060	TAR60/80	M6 (ch 3)	HV3 (ch 3)
AR10060	TAR60		

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	ARG2560		•		•					
	ARG3360		•		•					



	CODE N°	D	D1	K	L1	L2	Z	
	G1932	19	8	CM2	20,5	90	2	TPM0511
	G3232	32	11	CM3	30,5	117	2	TPM0911

RICAMBI • SPARES • ERSATZTEILE










CODE N°		
G1932VS2 (torx8)	CV002 (torx8)	
G3232VS4 (torx15)	CV004 (torx15)	

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	TPM0511	●			●					
	TPM0911	●			●					

EXTENSION SYSTEM



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MINIDRILL	pag. 54	
HELIDEX	pag. 54	
JETMILL	pag. 54	
TORIDEX	pag. 56	
MILLCOP MG	pag. 56	
COPIDRILL CD	pag. 56	
COPIBALL CA	pag. 56	
JET BF	pag. 56	

EXTENSION SYSTEM



	CODE N°	L	K	D	D1	D2	M
	CK2380D	80	CM3	13	8,5	23	M8
CK3380D	80	CM3	18	10,5	23	M10	
CK365D	30	CM3	21	12,5	23	M12	
CK395D	60	CM3	21	12,5	23	M12	
CK3120D	85	CM3	21	12,5	23	M12	
CK3130D	95	CM3	21	12,5	23	M12	
CK4155D	120	CM4	21	12,5	30	M12	
CK480D	35	CM4	29	17	30	M16	
CK4110D	65	CM4	29	17	30	M16	
CK4140D	95	CM4	29	17	30	M16	
CK5165D	120	CM5	29	17	43	M16	
CK5195D	150	CM5	29	17	43	M16	
CK5225D	180	CM5	29	17	43	M16	

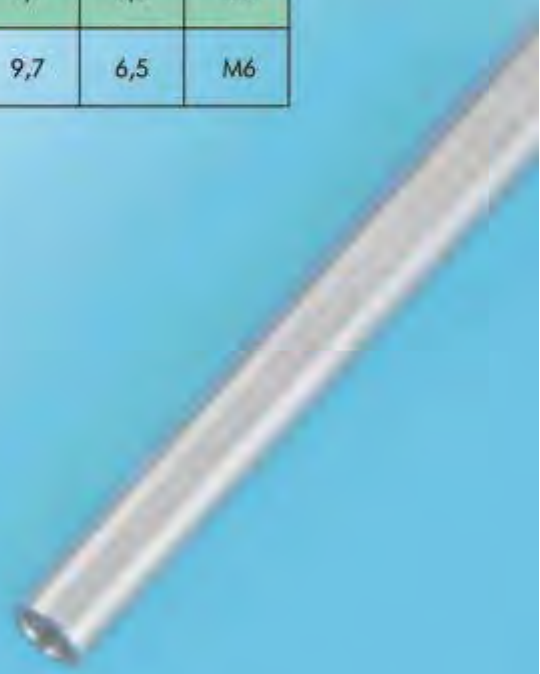


	CODE N°	L	L1	K	D	D1	D2	M	α°
	CI40152D	130	150	ISO40/DIN2080	21	12,5	35	M12	2°30'
CV40152D	130	160	ISO40/DIN69871	21	12,5	35	M12	2°30'	
CI40156D	150	170	ISO40/DIN2080	29	17	43	M16	2°30'	
CV40156D	150	180	ISO40/DIN69871	29	17	43	M16	2°30'	
CI50152D	130	150	ISO50/DIN2080	21	12,5	35	M12	2°30'	
CV50152D	130	160	ISO50/DIN69871	21	12,5	35	M12	2°30'	
CI50156D	150	170	ISO50/DIN2080	29	17	43	M16	2°30'	
CV50156D	150	180	ISO50/DIN69871	29	17	43	M16	2°30'	
DIN 69893-A	CHA315.50.06	49	75	HSK - A50	10	6,5	26	M6	
	CHA315.50.08	49	75	HSK - A50	13	8,5	25	M8	
	CHA315.50.10	49	75	HSK - A50	18	10,5	25	M10	
	CHA315.50.12	74	100	HSK - A50	21	12,5	38	M12	
	CHA315.63.06	49	75	HSK - A63	10	6,5	26	M6	
	CHA315.63.08	49	75	HSK - A63	13	8,5	25	M8	
	CHA315.63.10	49	75	HSK - A63	18	10,5	30	M10	
	CHA315.63.12	74	100	HSK - A63	21	12,5	38	M12	
	CHA315.63.16	74	100	HSK - A63	29	17	40	M16	


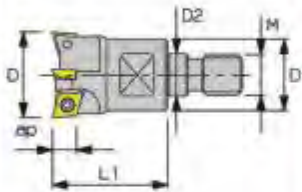

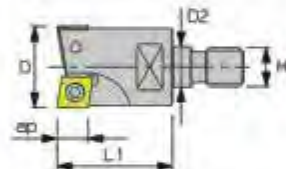

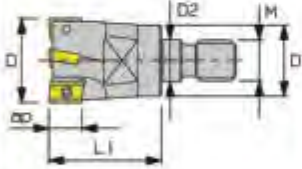

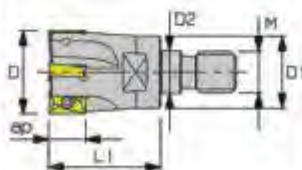

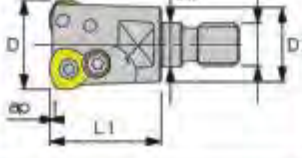
EXTENSION SYSTEM HEAVY METAL



	CODE N°	L	L1	D2	D	D1	M
	PD12125D	80	12512	9,7	6,5	M6	
	PD16090D	40	90	16	13	8,5	M8
	PD16110D	60	110	16	13	8,5	M8
	PD16130D	80	130	16	13	8,5	M8
	PD16170D	120	170	16	13	8,5	M8
	PD20090D	40	90	20	18	10,5	M10
	PD20110D	60	110	20	18	10,5	M10
	PD20130D	80	130	20	18	10,5	M10
	PD20170D	120	170	20	18	10,5	M10
		PDC10080D	40	80	10	9,7	6,5
PDC10100D		60	100	10	9,7	6,5	M6
PDC10120D		80	120	10	9,7	6,5	M6





EXTENSION SYSTEM







CONTUR	CODE N°	D	D1	D2	ap	L1	M	Z	INSERTI
									INSERTS
									WENDEPLATTEN
 	MSCR10D	10	9,7	6,5	4	18	M6	2	XDHW040110
	MSCR12D	12	9,7	6,5	4	18	M6	2	
	MSCR16D	16	13	8,5	6	23	M8	2	XDHW060210
	MSCR20D	20	19	10,5	6	30	M10	3	
	MSCR25D	25	21	12,5	6	35	M12	3	
	MSCR35D	35	29	17	10	43	M16	3	XDHW10T310
	MSCR42D	42	29	17	10	43	M16	4	
 	MSMN25D	25	24	12,5	9	35	M12	2	1 ADGW130308 1 CCMW09T308
	MSMN32D	32	30	17	12	40	M16	2	1 APGW160408 1 CCMW120408
	MSMN36D	36	34	17	12	40	M16	2	1 APGW190408 1 CCMW120408
 	MSJE16D	16	13	8,5	10	23	M8	2	ADHT1003PER
	MSJE20D	20	18	10,5	10	26	M10	3	
	MSJE25D	25	21	12,5	10	33	M12	3	
	MSJE32D	32	29	17	10	43	M16	4	
 	MSMH20D	20	18	10,5	10	26	M10	3	APKT1003PDR
	MSMH25D	25	21	12,5	10	33	M12	4	
	MSMH32D	32	29	17	10	43	M16	5	
 	MSJM25D	25	21	12,5	1,5	32	M12	2	JDHW10T310
	MSJM323D	32	29	17	1,5	40	M16	3	

EXTENSION SYSTEM

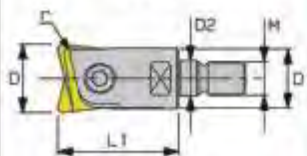
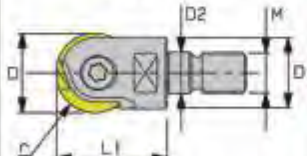
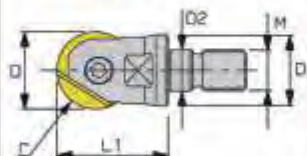
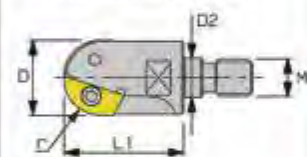
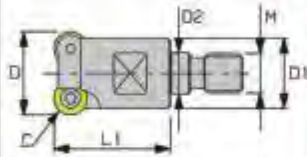
RICAMBI • SPARES • ERSATZTEILE

CODE N°			
MSCR10D MSCR12D	VS1 (torx6)		CV001 (torx6)
MSCR16D MSCR20D MSCR25D MSJE16D MSJE20D MSJE25D MSJE32D MSMH20D MSMH25D MSMH32D	VS2 (torx8)		CV002 (torx8)
MSCR35D MSCR42D MSJM25D MSJM323D	VS35L(torx15)	ST40	CV004 (torx15)
MSMN25D	V54-V54T(torx15)		CV005 (torx20)
MSMN32D MSMN36D	V55N(torx20)		

INSERTI • INSERTS • WENDEPLATTEN

	CODE N°	Z5M	Z56	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
	XDHW040110 XDHW060210 XDHW10T310	•			•	•				•
	ADGW130308 APGW160408 APGW190408		•		•		•			•
	CCMW060208 CCMW09T308 CCMW120408		•				•			
	ADHT1003PER		•				•			
	APKT1003PDR		•				•			
	JDHW10T310		•		•		•			•

EXTENSION SYSTEM










TORIDEX	CODE N°	D	D1	D2	r	L1	M	Z	INSERTI INSERTS WENDEPLATTEN
	MSCX15D	15	13	8,5	3,5	23	M8	2	RDHX0702MOT
	MSCX20D	20	19	10,5	5	30	M10	2	RD..1003MOT
	MSCX24D	24	21	12,5	6	35	M12	2	RD..12T3MOT
	MSCX253D	25	21	12,5	5	35	M12	3	RD..1003MOT
	MSCX255D	25	21	12,5	5	35	M12	2	RD..1003MOT
	MSCX32D	32	29	17	6	43	M16	3	RD..12T3MOT
	MSCX328D	32	29	17	8	43	M16	2	RD..1604MOT
	MSCX35D	35	29	17	6	43	M16	3	RD..12T3MOT
	MSCX42D	42	29	17	6	43	M16	4	RD..12T3MOT
MILLCOP MG	MSMG25D	25	23	12,5	12,5	35	M12	2	RCCW190412
	MSMG32D	32	29	17	16	40	M16	2	RCCW230516
COPIBALL	MSCA08D	8	9,7	6,5	4	23	M6	2	RCA08
	MSCA10D	10	9,7	6,5	5	23	M6	2	RCA10
	MSCA12D	12	9,7	6,5	6	23	M6	2	RCA12
	MSCA16D	16	13	8,5	8	28	M8	2	RCA16
	MSCA20D	20	18	10,5	10	28	M10	2	RCA20
COPIDRILL	MSCD12D6	12	9,7	6,5	6	23	M6	2	RCN12..
	MSCD16D8	16	13	8,5	8	28	M8	2	RCN16..
	MSCD20D10	20	18	10,5	10	28	M10	2	RCN20..
	MSCD25D12	25	23,7	12,5	12,5	83	M12	2	RCN25..
JET BF	MSBF12D	12	9,7	6,5	1,0	27	M6	2	RBF1210
	MSBF16D	16	13	8,5	1,3	31	M8	2	RBF1613
	MSBF20D	20	18	10,5	1,6	36	M10	2	RBF2016

EXTENSION SYSTEM

RICAMBI • SPARES • ERSATZTEILE

CODE N°					
MSCX15D	VS2 (torx8)				CV002(torx8)
MSCX20D	VS35L(torx15)	ST40			CV004(torx15)
MSCX253D					
MSCX255D					
MSCX24D					
MSCX32D					
MSCX35D					
MSCX42D					
MSCX328D	VS5N(torx20)	ST30			CV005(torx20)
MMSG25D			VS40C(torx15)		CV004(torx15)
MMSG32D			VS50C(torx20)		CV005(torx20)
MSCA08D				VSA08(torx7)	CV015(torx7)
MSCA10D				VSA10(torx8)	CV002(torx8)
MSCA12D				VSA12(torx10)	CV003(torx10)
MSCA16D				VSA16(torx15)	CV004(torx15)
MSCA20D				VSA20(torx20)	CV005 (torx20)
MSCD12D6				VS12	
MSCD16D8				VS16 (torx20)	
MSCD20D10				VS20	
MSCD25D12				VS25	
MSBF12D				VSB12(torx15)	CV004 (torx15)
MSBF16D				VS16 (torx20)	CV005 (torx20)
MSBF20D					

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	CODE N°	ZSM	ZS6	ZK03M	ZH20	RK25G	RK40G	RK03E	RK03CF	RB10
		RDHX0702MOT RDHX1003MOT RDMX1003MOT RDHX12T3MOT RDMX12T3MOT RDHX1604MOT RDMX1604MOT	●	●	●	●	●	●	●	●
	RDHT1003MOT RDHT12T3MOT RDHT1604MOT		●	●			●	●		
	RCCW190412 RCCW230516		●				●			
	RCA08 RCA10 RCA12 RCA16 RCA20			●				●	●	
	RCN12 RCN16 RCN20 RCN25			●				●	●	
	RCN12AL RCN16AL RCN20AL RCN25AL			●				●	●	
	RBF1210 RBF1613 RBF2016			●				●	●	