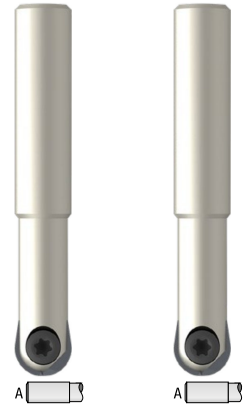
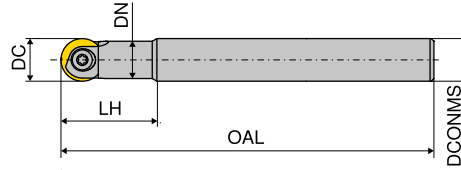


Copy milling cutter K 2000C / K 2001C

▲ with carbide shank



Designation	DC	DN	LH	OAL	DCONMS _{h6}	torque moment Nm	WA	
							Article no. 56 100 ...	Article no. 56 101 ...
	mm	mm	mm	mm	mm		EUR	EUR
K2000C.6.16.100	6	5,3	16	100	8	0,6	358,60	060 ¹⁾
K2000C.6.20.100	6	5,8	20	100	6	0,6	358,60	061 ¹⁾
K2000C.6.70.150	6	5,8	70	150	6	0,6	465,50	062 ¹⁾
K2000C.6.100.200	6	5,8	100	200	6	0,6	564,10	063 ¹⁾
K2000C.8.25.80	8	7,0	25	80	8	1	379,60	081 ¹⁾
K2000C.8.25.100	8	7,0	25	100	8	1	379,60	082 ¹⁾
K2000C.8.25.150	8	7,0	40	150	8	1	421,50	083 ¹⁾
K2000C.10.35.80	10	8,8	35	80	10	5	458,20	101 ¹⁾
K2000C.10.35.120	10	8,8	35	120	10	5	471,90	102 ¹⁾
K2000C.10.50.150	10	8,8	50	150	10	5	523,30	103 ¹⁾
K2000C/K2001C.12.35.80	12	10,5	35	80	12	5	476,00	121 ¹⁾ 476,00 121
K2000C/K2001C.12.35.120	12	10,5	35	120	12	5	497,00	122 ¹⁾ 497,00 122
K2000C/K2001C.12.50.160	12	10,5	50	160	12	5	531,60	123 ¹⁾ 531,60 123
K2001C.16.40.100	16	14,0	40	100	16	5		655,40 161
K2001C.16.40.140	16	14,0	40	140	16	5		655,40 162
K2001C.16.55.175	16	14,0	55	175	16	5		714,00 163
K2001C.20.50.100	20	18,0	50	100	20	5		834,60 201
K2001C.20.50.140	20	18,0	50	140	20	5		834,60 202
K2001C.20.75.190	20	18,0	75	190	20	5		992,00 203
K2001C.25.60.160	25	22,4	60	160	25	5		1.182,00 252
K2001C.25.90.210	25	22,4	90	210	25	5		1.478,00 253

1) Without Through Coolant

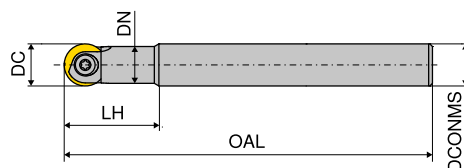
Applicable inserts

ROHX-FM3, ROHX-FM4, ROHX-FM6,
ROHX-MR5, ROGX-MR4

XOHX06.. -MR2, XOHX-FM1

Copy milling cutter K 2002C

▲ cylindrical steel shank version



Designation	DC	DN	LH	OAL	DCONMS _{h6}	torque moment Nm	WA Article no. 56 102 ...	
							EUR	
K2002C.12.32.90	12	10,5	32	90	12	5	93,53	121
K2002C.12.32.130	12	10,5	32	130	12	5	93,53	122
K2002C.12.46.150	12	10,5	46	150	12	5	97,83	123
K2002C.16.36.100	16	14,0	36	100	16	5	99,09	161
K2002C.16.36.140	16	14,0	36	140	16	5	99,09	162
K2002C.16.53.160	16	14,0	53	160	16	5	104,40	163
K2002C.20.45.160	20	18,0	45	160	20	5	103,40	202
K2002C.20.61.175	20	18,0	61	175	20	5	123,70	203
K2002C.25.45.160	25	22,4	45	160	25	5	145,70	252
K2002C.25.70.190	25	22,4	70	190	25	5	151,00	253
K2002C.32.56.175	32	28,6	56	175	32	5	185,60	322
K2002C.32.80.210	32	28,6	80	210	32	5	195,00	323

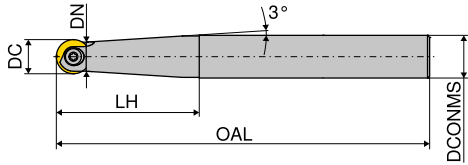
Applicable inserts

ROHX-FM3, ROHX-FM4, ROHX-FM6,
ROHX-MR5, ROGX-MR4

XOHX-FM1

Copy milling cutter K 2003C

▲ tapered execution



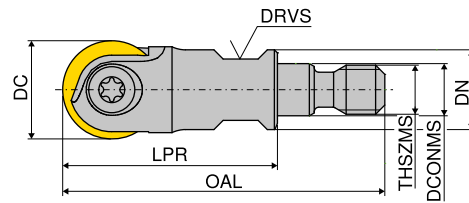
Designation	DC	DN	LH	OAL	DCONMS _{h6}	torque moment Nm	WA Article no. 56 104 ... EUR	
K2003C.6.16.90	6	5,3	16	90	10	0,6	104,90	061
K2003C.8.50.85	8	7,5	50	85	12	1	124,80	081
K2003C.8.50.140	8	7,5	50	140	12	1	124,80	082
K2003C.10.35.85	10	9,0	35	85	12	5	124,80	101
K2003C.10.35.150	10	9,0	35	150	12	5	124,80	102
K2003C.12.60.110	12	10,5	60	110	16	5	126,90	121
K2003C.12.60.160	12	10,5	60	160	16	5	126,90	122
K2003C.16.67.120	16	14,0	67	120	20	5	136,30	161
K2003C.16.67.175	16	14,0	67	175	20	5	136,30	162
K2003C.20.80.190	20	18,0	80	190	25	5	158,40	201
K2003C.25.100.210	25	22,4	100	210	32	5	197,20	251
K2003C.32.123.240	32	28,6	123	240	40	5	252,70	321

Applicable inserts

	ROHX-FM3, ROHX-FM4, ROHX-FM6, ROHX-MR5, ROGX-MR4
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	XOHX-FM1
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Copy milling cutter K 2000G



Designation	DC	LPR	DN	OAL	DCONMS	THSZMS	DRVS	torque moment Nm	WA Article no. 56 120 ... EUR	
K2000G.8.25.M6	8	25	10	39,5	6,5	M6	8	1	208,70	081 ¹⁾
K2000G.10.25.M6	10	25	10	39,5	6,5	M6	8	5	206,50	101 ¹⁾
K2000G.12.25.M6	12	25	10	39,5	6,5	M6	8	5	212,90	121 ¹⁾
K2000G.12.26.M8	12	26	13	43,5	8,5	M8	10	5	212,90	122
K2000G.16.26.M8	16	26	13	43,5	8,5	M8	10	5	221,20	161
K2000G.20.30.M10	20	30	18	49,5	10,5	M10	15	5	225,50	201
K2000G.25.40.M12	25	40	21	62,0	12,5	M12	17	5	233,80	251
K2000G.32.45.M16	32	45	30	69,0	17,0	M16	26	5	249,50	321

1) Without Through Coolant

Applicable inserts

ROHX-FM3, ROHX-FM4, ROHX-FM6,
ROHX-MR5, ROGX-MR4

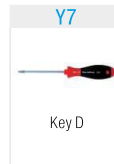
XOHX-FM1

Spare parts
DC

	Y7 Article no. 80 950 ... EUR	Y7 Article no. 80 950 ... EUR	2A/28 Article no. 70 950 ... EUR	WA Article no. 56 950 ... EUR	Y7 Article no. 80 950 ... EUR
6	4,76 031	8,44 108	4,38 303	6,10 041	118,90 191
8	4,76 033	7,80 110	4,38 303	6,10 042	118,90 191
10	4,76 036	9,28 113	4,38 303	6,10 043	131,90 193
12	4,76 037	9,95 114	4,38 303	8,33 044	131,90 193
16	4,76 037	9,95 114	4,38 303	8,33 045	131,90 193
20	4,76 037	9,95 114	4,38 303	8,33 046	131,90 193
25		12,10 131	4,38 303	8,33 047	
32		12,10 131	4,38 303	8,45 048	



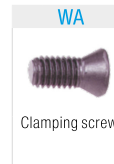
TORX® blade

Article no.
80 950 ...
EUR

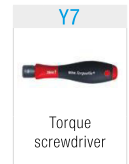
Key D

Article no.
80 950 ...
EUR

Molykote

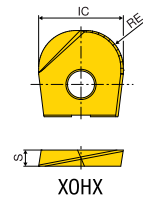
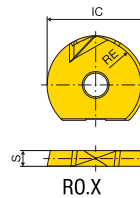
Article no.
70 950 ...
EUR

Clamping screw

Article no.
56 950 ...
EURTorque
screwdriverArticle no.
80 950 ...
EUR

ROHX / XOHX / ROGX

Designation	IC	S
	mm	mm
ROHX0616R..	6	1,60
ROHX0820R..	8	2,00
XOHX10254..	10	2,50
ROHX1025R..	10	2,50
XOHX12255..	12	2,50
RO.X1225R..	12	2,50
XOHX16307..	16	3,00
RO.X1630R..	16	3,00
XOHX20309..	20	3,00
RO.X2030R..	20	3,00
RO.X2540R..	25	4,00
RO.X3250R..	32	5,00



ROHX / XOHX / ROGX

-MR5 CTPP211	-FM1 CTPP216	-FM3 CTPP216	-FM4 CTPP216	-FM4 CTPK226	-MR4 CTPK231	-FM6 CTCN211
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ISO	RE	ROHX		XOHX		ROHX		ROHX		ROHX		ROGX		ROHX	
		NEW	WB	NEW	WB	NEW	WB	NEW	WB	NEW	WB	NEW	WB	NEW	WB
	mm	Article no. 56 149 ...		Article no. 56 169 ...		Article no. 56 147 ...		Article no. 56 141 ...		Article no. 56 141 ...		Article no. 56 143 ...		Article no. 56 145 ...	
		EUR		EUR		EUR		EUR		EUR		EUR		EUR	
0616 R3	3,0					30,87	30200	25,73	90200					76,96	602 ¹⁾
0820 R4	4,0	31,38	71300			37,43	31300	24,72	71300	25,92	11300			100,20	613 ¹⁾
1025 R5	5,0	31,38	72400			37,43	32400	24,72	72400	25,92	12400			100,20	624 ¹⁾
102540	4,0			33,89	92400										
1225 R6	6,0					38,03	33500	25,73	73500	25,92	13500	25,22	53500	100,20	635 ¹⁾
122550	5,0			36,32	93500										
1630 R8	8,0					40,96	34600	29,56	74600	30,21	14600	29,56	54600	113,50	646 ¹⁾
163070	7,0			38,84	94700										
2030 R10	10,0					43,38	35700	33,89	75700	33,77	15700	33,89	55700		
203090	9,0			44,28	95900										
2540 R12,5	12,5					53,98	36800	50,54	76800	50,37	16800	49,94	56800		
3250 R16	16,0					72,33	37900	73,84	77900	74,69	17900	68,90	57900		
Steel		•		•		•		•		•		•		•	
Stainless steel		•		•		•		•		•		•		•	
Cast iron		•		•		•		•		•		•		•	
Non ferrous metals		○		○		○		○		○		○		○	
Heat resistant alloys		•		•		•		•		•		•		•	
hardened materials		○		•		•		•		•		•		•	

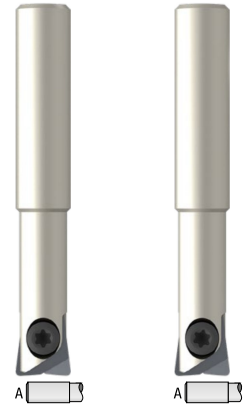
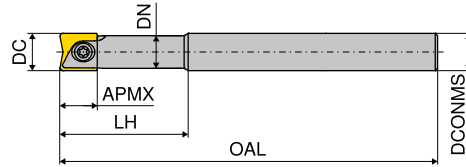
1) Specifically for machining graphite !

Milling guide

Depth of Cut	→ 185	ISO Designation System	→ 194+195
Grade description	→ 209+210	Cutting data approximate values	→ 183+184

Copy milling cutter K 2005C / K 2006C

▲ with carbide shank



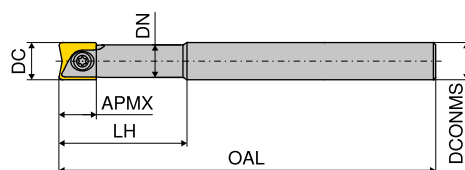
Designation	DC	APMX	DN	LH	OAL	DCONMS _{h6}	torque moment Nm	WA		WA	
								Article no. 56 110 ...	Article no. 56 111 ...	Article no. 56 111 ...	Article no. 56 111 ...
	mm	mm	mm	mm	mm	mm		EUR	EUR	EUR	EUR
K2005C.8.27.82	8	9,5	7,0	27	82	8	1	379,60	081 ¹⁾		
K2005C.8.27.102	8	9,5	7,0	27	102	8	1	379,60	082 ¹⁾		
K2005C.8.42.152	8	9,5	7,0	42	152	8	1	421,50	083 ¹⁾		
K2005C.10.37.82	10	11,5	8,8	37	82	10	5	458,20	101 ¹⁾		
K2005C.10.37.122	10	11,5	8,8	37	122	10	5	471,90	102 ¹⁾		
K2005C.10.52.152	10	11,5	8,8	52	152	10	5	523,30	103 ¹⁾		
K2005C/K2006C.12.37.82	12	14,0	10,5	37	82	12	5	476,00	121 ¹⁾	476,00	121
K2005C/K2006C.12.37.122	12	14,0	10,5	37	122	12	5	497,00	122 ¹⁾	497,00	122
K2005C/K2006C.12.52.162	12	14,0	10,5	52	162	12	5	531,60	123 ¹⁾	531,60	123
K2006C.16.42.102	16	16,0	14,0	42	102	16	5			655,40	161
K2006C.16.42.142	16	16,0	14,0	42	142	16	5			655,40	162
K2006C.16.57.177	16	16,0	14,0	57	177	16	5			714,00	163
K2006C.20.52.102	20	18,0	18,0	52	102	20	5			834,60	201
K2006C.20.52.142	20	18,0	18,0	52	142	20	5			834,60	202
K2006C.20.77.192	20	18,0	18,0	77	192	20	5			979,40	203
K2006C.25.62.162	25	23,5	22,4	62	162	25	5			1.182,00	252
K2006C.25.92.212	25	23,5	22,4	92	212	25	5			1.478,00	253

1) Without Through Coolant

Applicable inserts

	XOHX-FM2 / -FM5 / -MR2 / -MR3 / -MR6
	XOGX-MF4

Copy milling cutter K 2007C

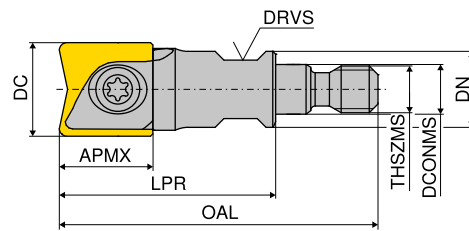


Designation	DC	APMX	DN	LH	OAL	DCONMS _{h6}	torque moment Nm	WA Article no. 56 112 ...	
								EUR	
K2007C.12.34.92	12	14,0	10,5	34	92	12	5	102,20	121
K2007C.12.34.132	12	14,0	10,5	34	132	12	5	93,53	122
K2007C.12.48.152	12	14,0	10,5	48	152	12	5	97,83	123
K2007C.16.38.102	16	16,0	14,0	38	102	16	5	99,09	161
K2007C.16.38.142	16	16,0	14,0	38	142	16	5	99,09	162
K2007C.16.55.162	16	16,0	14,0	55	162	16	5	104,40	163
K2007C.20.47.162	20	18,0	18,0	47	162	20	5	103,40	202
K2007C.20.63.177	20	18,0	18,0	63	177	20	5	123,70	203
K2007C.25.47.162	25	23,5	22,4	47	162	25	5	145,70	252
K2007C.25.72.192	25	23,5	22,4	72	192	25	5	151,00	253
K2007C.32.58.177	32	28,0	28,6	58	177	32	5	185,60	322
K2007C.32.82.212	32	28,0	28,6	82	212	32	5	195,00	323

Applicable inserts

	XOHX-FM2 / -FM5 / -MR2 / -MR3 / -MR6
	XOGX-MF4

Copy milling cutter K 2005G



Designation	DC	APMX	DN	LPR	OAL	DCONMS	THSZMS	DRVS	torque moment Nm	WA Article no. 56 130 ... EUR	
K2005G.8.25.M6	8	9,5	10	25	39,5	6,5	M6	8	1	208,70	081 ¹⁾
K2005G.10.25.M6	10	11,5	10	25	39,5	6,5	M6	8	5	206,50	101 ¹⁾
K2005G.12.25.M6	12	14,0	10	25	39,5	6,5	M6	8	5	212,90	121 ¹⁾
K2005G.12.28.M8	12	14,0	13	28	45,5	8,5	M8	8	5	212,90	122
K2005G.16.28.M8	16	16,0	13	28	45,5	8,5	M8	10	5	221,20	161
K2005G.20.32.M10	20	18,0	18	32	51,5	10,5	M10	15	5	225,50	201
K2005G.25.42.M12	25	23,5	21	42	64,0	12,5	M12	17	5	233,80	251
K2005G.32.47.M16	32	28,0	30	47	71,0	17,0	M16	26	5	249,50	321

1) Without Through Coolant

Applicable inserts

	XOHX-FM2 / -FM5 / -MR2 / -MR3 / -MR6
	XOGX-MF4

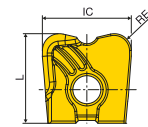
Spare parts DC

	Y7 Article no. 80 950 ... EUR	Y7 Article no. 80 950 ... EUR	2A/28 Article no. 70 950 ... EUR	WA Article no. 56 950 ... EUR	Y7 Article no. 80 950 ... EUR
8	4,76 033	7,80 110	4,38 303	6,10 042	118,90 191
10	4,76 036	9,28 113	4,38 303	6,10 043	131,90 193
12	4,76 037	9,95 114	4,38 303	8,33 044	131,90 193
16	4,76 037	9,95 114	4,38 303	8,33 045	131,90 193
20	4,76 037	9,95 114	4,38 303	8,33 046	131,90 193
25		12,10 131	4,38 303	8,33 047	
32		12,10 131	4,38 303	8,45 048	

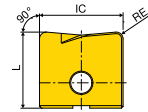
Y7 TORX® blade	Y7 Key D	2A/28 Molykote	WA Clamping screw	Y7 Torque screwdriver
-----------------------	-----------------	-----------------------	--------------------------	------------------------------

XOHX / XOGX

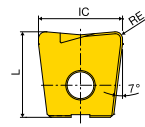
Designation	IC	S	L
	mm	mm	mm
XO.X10251..	10	2,50	11,5
XO.X12251..	12	2,50	14,0
XO.X12252..	12	2,50	14,0
XO.X16301..	16	3,00	16,0
XO.X16303..	16	3,00	16,0
XO.X20301..	20	3,00	18,0
XO.X20304..	20	3,00	18,0
XOHX06160..	6	1,60	8,0
XOHX08200..	8	2,00	9,5
XOHX08201..	8	2,00	9,5
XOHX10250..	10	2,50	11,5
XOHX12252..	12	3,00	14,0
XOHX20302..	20	3,00	18,0
XOHX25401..	25	4,00	23,5
XOHX25402..	25	4,00	23,5
XOHX25405..	25	4,00	23,5
XOHX32502..	32	5,00	28,0



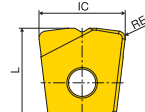
XOGX -MF4



XOHX -FM5, -MR6

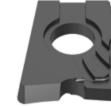
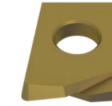


XOHX -FM2, -MR2



XOHX -MR3

XOHX / XOGX

		-MR2 CTPP211		-MR6 CTPP211		-FM2 CTPP216		-FM5 CTPP216		-MF4 CTPP216		-MR3 CTPK231		-MR2 CTCN211	
															
ISO	RE	XOHX NEW WB Article no. 56 167 ... EUR		XOHX NEW WB Article no. 56 163 ... EUR		XOHX NEW WB Article no. 56 165 ... EUR		XOHX NEW WB Article no. 56 159 ... EUR		XOGX NEW WB Article no. 56 161 ... EUR		XOHX NEW WB Article no. 56 171 ... EUR		XOHX WB Article no. 56 168 ... EUR	
	mm														
061605	0,5	32,08	71000											76,96	610 ¹⁾
082006	0,6			34,50	71000	30,37	71000	26,53	71000						
082010	1,0	35,11	71200			30,37	71200							92,10	612 ¹⁾
102508	0,8			34,50	72100	30,37	72100	26,23	72100			38,23	32100		
102510	1,0	35,11	72200			30,37	72200			30,67	92200			97,94	622 ¹⁾
122510	1,0	37,63	73200	37,63	73200	31,38	73200	29,56	73200	33,29	93200	38,23	53200	106,10	632 ¹⁾
122520	2,0	37,63	73500			31,38	73500			33,29	93500				
163010	1,0	40,65	74200			36,32	74200			37,63	94200			131,90	642 ¹⁾
163013	1,3			40,05	74300	36,32	74300	33,89	74300						
163015	1,5											40,65	54400		
163030	3,0	40,65	74700			36,32	74500			37,63	94700				
203010	1,0	46,81	75200			40,05	75200			42,47	95200				
203016	1,6			45,59	75400	40,05	75400	38,84	75400						
203020	2,0											48,02	55500		
203040	4,0	46,81	75800			40,05	75800			42,47	95800				
254010	1,0	59,72	76200			51,75	76200								
254020	2,0			62,74	76500	51,75	76500	54,17	76500						
254050	5,0	59,72	76900			51,75	76900								
325025	2,5			88,67	77600			75,16	77600						

Steel	•	•	•	•	•	•	•
Stainless steel	•	•	•	•	•	•	•
Cast iron	•	•	•	•	•	•	•
Non ferrous metals	○	○					•
Heat resistant alloys	•	•	•	•	•	•	•
hardened materials	○	○	•	•	•	•	

1) Specifically for machining graphite !

Milling guide

Depth of Cut	→ 185	ISO Designation System	→ 194+195
Grade description	→ 209+210	Cutting data approximate values	→ 183+184

Cutting data standard values for copy milling cutter K200.

● 1st choice ○ suitable

	R	F	R	F	R	F	R	F	suitable coolant types		
	CTPK226		CTPP211		CTPK231		CTCN211		Emulsion	Com-pressed air	MMS
Index	V _c m/min	V _c m/min	V _c m/min	V _c m/min	V _c m/min	V _c m/min	V _c m/min	V _c m/min			
1.1		280-300	180-220	220-300	160-200				○	●	●
1.2		280-300	180-220	220-300	160-200				○		●
1.3		280-300	180-220	220-300	160-200				○		●
1.4		280-300	180-220	220-300	160-200				○		●
1.5		220-240	180-220	220-240	160-200				○	●	●
1.6		220-240	180-220	220-240	160-200				○		●
1.7		220-240	180-220	220-240	160-200				○	●	●
1.8		220-240	180-220	220-240	160-200				○		●
1.9		220-240	180-220	220-240	160-200				○		●
1.10		280-300	140-220	200-300	140-180				○	●	●
1.11		280-300	140-220	200-300	140-180				○		●
1.12		280-300	140-220	200-300	140-180				○		●
1.13		280-300	140-220	200-300	140-180				○		●
1.14		280-300	140-220	200-300	140-180				○		●
1.15		280-320	180-220	240-320	160-200				○	●	●
1.16		280-320	180-220	240-320	160-200				○	●	●
2.1		220-220	140-180	200-240	120-180				●		
2.2		220-220	140-180	200-240	120-180				●		
2.3		220-220	140-180	200-240	120-180				●		
2.4		220-220	140-180	200-240	120-180				●	○	
2.5		220-220	140-180	200-240	120-160				●		
2.6		180-200	140-160	180-200	120-160				●	○	
2.7		180-200	140-160	180-200	120-160				●		
3.1		280-300	160-200	200-300	120-200					●	○
3.2		280-300	160-200	200-300	120-200					●	○
3.3		280-300	160-200	200-300	120-200					●	○
3.4		300-350	180-220	240-350	180-200					●	○
3.5		300-350	180-220	240-350	180-200					●	○
3.6		300-350	180-220	240-350	180-200					●	○
3.7		300-350	180-220	240-350	180-200					●	○
3.8		240-260	160-200	220-260	160-200					●	○
4.1			240-280	300-600	300-600				●		
4.2			240-280	300-600	300-600				●		
4.3			240-280	300-600	300-600				●		
4.4			240-280	300-600	300-600				●		
4.5									●		
4.6			240-280	300-600	240-280				●		
4.7			240-280	300-600	240-280				●		
4.8			240-280	300-600	240-280				●		
4.9			240-280	300-600	240-280				●		
4.10			240-280	280-320	240-280				●		
4.11			240-280	280-320	240-280				●		
4.12			240-280	280-320	240-280				●		
4.13			500-600	500-600			400-600	600-800		●	
4.14			300-400	300-400						●	
4.15			300-400	300-400				250-300		●	
4.16			300-400	300-400				300-400	●		
4.17							400-600	600-800		●	
4.18							100-140	160-180	●		
4.19							100-140	100-140	●		
5.1					80-120				●		
5.2				80-120	80-120				●		
5.3				80-120	80-120				●		
5.4				80-120	80-120				●		
5.5				80-120	80-120				●		
5.6				80-120	80-120				●		
5.7				80-120	80-120				●		
5.8				80-120	80-120				●		
5.9				80-120	80-120				●		
5.10				60-80	60-80				●	○	
5.11				60-80	80-100				●	○	
6.1		240-260		60-80	140-160						
6.2		240-260	140-200	220-300	140-160					●	○
6.3		200-220	120-160	180-300	80-100					●	○
6.4		120-140	100-120	120-200						●	○
6.5											

Cutting data standard values for copy milling cutter K200.

● 1st choice ○ suitable

Index	R	F	Roughing (R)		Finishing (F)		only for -MR3 Roughing (R)		suitable coolant types		
	CTPP216		Ø 6-16	Ø 20-32	Ø 6-16	Ø 20-32	Ø 6-16	Ø 20-32	Emulsion	Com-pressed air	MMS
	v _c m/min	v _c m/min	f _z mm	f _z mm	f _z mm	f _z mm	f _z mm	f _z mm			
1.1	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,2-1,5	○	●	●
1.2	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,2-1,5	○		●
1.3	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,2-1,5	○		●
1.4	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,2-1,5	○		●
1.5	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,2-1,5	○	●	●
1.6	220-300	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	○		●
1.7	260-340	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	○	●	●
1.8	260-340	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	○		●
1.9	260-340	280-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	○		●
1.10	240-340	240-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,20	○	●	●
1.11	240-340	240-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○		●
1.12	240-340	240-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○		●
1.13	240-340	240-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○		●
1.14	240-340	240-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○		●
1.15	250-360	240-320	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○	●	●
1.16	250-360	240-320	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5	○	●	●
2.1	220-300	220-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	●		
2.2	220-300	220-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	●		
2.3	220-300	220-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	●		
2.4	220-300	220-240	0,08-0,4	0,25-0,45	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	●	○	
2.5	220-300	220-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25	●		
2.6	220-250	220-240	0,08-0,4	0,25-0,45	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,5	●	○	
2.7	220-250	220-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,5	●		
3.1	240-350	240-260	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5		●	○
3.2	240-350	240-260	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5		●	○
3.3	240-350	240-260	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,8	1,0-1,5		●	○
3.4	340-400	240-360	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25		●	○
3.5	340-400	240-360	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25		●	○
3.6	340-400	240-360	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25		●	○
3.7	340-400	240-360	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25		●	○
3.8	280-340	220-300	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,3-0,6	0,8-1,25		●	○
4.1		400-450	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.2		400-450	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.3		400-450	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.4		400-450	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.5		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.6		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.7		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.8		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.9		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.10		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.11		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.12		300-400	0,08-0,35	0,25-0,45	0,06-0,25	0,025-0,45			●		
4.13		600-800	0,25-0,35	0,4-0,5	0,08-0,3	0,25-0,4				●	
4.14		300-350	0,25-0,35	0,4-0,5	0,08-0,3	0,25-0,4				●	
4.15			0,25-0,35	0,4-0,5	0,08-0,3	0,25-0,4				●	
4.16			0,25-0,35	0,4-0,5	0,08-0,3	0,25-0,4			●		
4.17			0,25-0,35	0,4-0,5	0,08-0,3	0,25-0,4				●	
4.18							0,20-0,4	0,4-0,8	●		
4.19							0,20-0,4	0,4-0,8	●		
5.1		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.2		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.3		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.4		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.5		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.6		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,20-0,4	0,4-0,8	●		
5.7		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,25-0,5	0,6-1,0	●		
5.8		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,25-0,5	0,6-1,0	●		
5.9		60-80	0,08-0,3	0,15-0,4	0,05-0,2	0,15-0,25	0,25-0,5	0,6-1,0	●		
5.10		60-80	0,08-0,35	0,4-0,5	0,08-0,3	0,25-0,4	0,25-0,5	0,6-1,0	●	○	
5.11		60-80	0,08-0,35	0,4-0,5	0,08-0,3	0,25-0,4	0,25-0,5	0,6-1,0	●	○	
6.1	240-260	240-260	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,25-0,5	0,6-1,0		●	○
6.2	240-260	240-260	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5	0,25-0,5	0,6-1,0		●	○
6.3	220-240	160-240	0,08-0,4	0,25-0,5	0,08-0,3	0,2-0,5				●	○
6.4	120-140	100-140	0,25-0,35	0,4-0,5	0,08-0,2	0,18-0,35				●	○
6.5											

Maximum axial depths of cut a_p for copy milling cutter K200.

Ball nose insert

Insert Ø in mm		6	8	10	12	16	20	25	32
		$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$
ROHX-FM3	R	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0
	F	0,4	0,8	1,0	1,2	1,5	1,5	2,0	2,0
ROHX-FM4	R	0,8	1,0	2,0	3,0	4,0	5,0	6,0	8,0
	F	0,4	0,8	1,0	1,2	1,5	1,5	2,0	2,0
ROHX-FM6	R	0,8	1,0	1,5	2,0	3,0	4,0	5,0	6,0
	F	0,4	0,8	1,0	1,2	1,5	1,5	2,0	2,0
ROGX-MR4	R*				4,0	6,0	8,0	12,0	16,0
	F				2,0	3,0	4,0	5,0	6,0
ROHX-MR5	R		1,5	2,0					
	F		0,8	1,0					

* a_p with full interference 25 % of Ø DC maximum!

Torus inserts

Insert Ø in mm		6	8	10	12	16	20	25	32
		$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$	$a_{p \max.}$
XOHX-FM5	R		2,0	3,0	3,0	4,0	5,0	6,0	8,0
	F		0,6	2,0	2,4	3,2	4,0	5,0	6,4
XOHX-MR6	R		2,0	3,0	3,0	4,0	5,0	6,0	8,0
	F		0,6	2,0	2,4	3,2	4,0	5,0	6,4
XOHX-FM1	R			1,5	2,0	3,0	4,0		
	F			0,8	0,8	1,0	1,0		
XOHX-FM2	R		1,0	1,5	2,0	3,0	4,0	5,0	
	F		0,5	0,7	0,8	1,0	1,0	1,5	
XOHX-MR2	R	0,8	1,0	1,5	2,0	3,0	4,0	5,0	
	F	0,5	0,5	0,7	0,8	1,0	1,0	1,5	
XOGX-MF4	R			1,5	2,0	3,0	4,0		
	F			0,7	0,8	1,0	1,0		
XOHX-MR3	R			0,5	0,6	0,8	1,0		
	F								

Ranges of application of geometry

Inserts	F	M	R	Main Application
XOHX-FM1	●	●		Steel, steel casting, heat resistant steel, hardened steel to 63 HRC
XOHX-FM2	●	●		Steel, steel casting, heat resistant steel, hardened steel to 60 HRC
ROHX-FM3	●	●		Steel, steel casting, heat resistant steel
ROHX-FM4	●	●		Steel, steel casting, heat resistant steel, hardened steel to 60 HRC
XOHX-FM5	●	●		Steel, steel casting, heat resistant steel, hardened steel to 60 HRC
ROHX-FM6	●	●	●	Non ferrous metals, plastics, graphite
XOHX-MR2		●	●	long-chipping ferrous metals
XOHX-MR3		●	●	Steel, steel casting, heat resistant steel
ROGX-MR4		●	●	Steel, steel casting, heat resistant steel
XOGX-MF4	●	●		Steel, steel casting, heat resistant steel
ROHX-MR5		●	●	long-chipping ferrous metals
XOHX-MR6		●	●	long-chipping ferrous metals