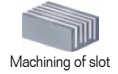


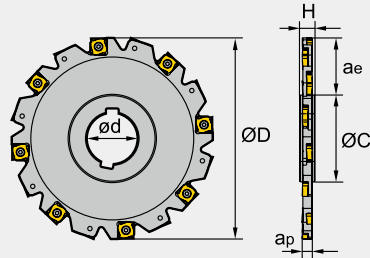
Side and face milling tools



SMP01 P M K



K-type coupling



Specification of tools

Type	Stock	Basic dimensions(mm)						Applicable inserts	Number of teeth Z	Type of coupling	Weight (kg)	
		ØD	ød	øc	H	ap	ae _{max}					
SMP01 Mounting by keyway	-100×4-K27-SN12-10	△	100	27	45	12	4	25	XSEQ1202	10	K	0.2
	-125×4-K40-SN12-12	△	125	40	56	12	4	32		12	K	0.3
	-160×4-K40-SN12-16	△	160	40	67	12	4	44		16	K	0.5
	-100×5-K27-SN12-10	△	100	27	45	12	5	25	XSEQ1203	10	K	0.2
	-125×5-K40-SN12-12	△	125	40	56	12	5	32		12	K	0.3
	-160×5-K40-SN12-16	△	160	40	67	12	5	44		16	K	0.6
	-100×6-K27-SN12-10	△	100	27	45	12	6	25	XSEQ12T3	10	K	0.3
	-125×6-K40-SN12-12	△	125	40	56	12	6	32		12	K	0.4
	-160×6-K40-SN12-16	△	160	40	67	12	6	44		16	K	0.7
	-200×6-K50-SN12-18	△	200	50	71	12	6	62		18	K	1.1
	-250×6-K50-SN12-24	△	250	50	71	12	6	87		24	K	1.7
	-100×7-K27-SN12-10	△	100	27	45	12	7	25	XSEQ1204	10	K	0.3
	-125×7-K40-SN12-12	△	125	40	56	12	7	32		12	K	0.4
	-160×7-K40-SN12-16	△	160	40	67	12	7	44		16	K	0.8
	-200×7-K50-SN12-18	△	200	50	71	12	7	62		18	K	1.2
	-250×7-K50-SN12-24	△	250	50	71	12	7	87		24	K	1.9
	-100×8-K27-SN12-10	△	100	27	45	12	8	25	XSEQ12T4	10	K	0.3
	-125×8-K40-SN12-12	△	125	40	56	12	8	32		12	K	0.5
	-160×8-K40-SN12-16	△	160	40	67	12	8	44		16	K	0.9
	-200×8-K50-SN12-18	△	200	50	71	12	8	62		18	K	1.4
	-250×8-K50-SN12-24	△	250	50	71	12	8	87		24	K	2.2

▲Stock available △Make-to-order

Indexable milling tools

Side and face milling tools

Tools code key

B133

Grade selection guide

B18-B21

Technical data

B192-B198

Side and face milling tools

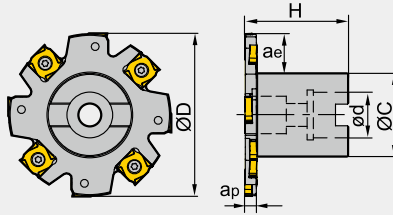


Machining of slot

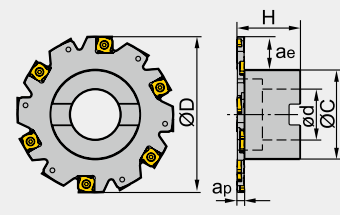
SMP01 P M K



A-type coupling



B-type coupling



➤ **Specification of tools**

Type	Stock		Basic dimensions(mm)							Applicable inserts	Number of teeth Z	Type of coupling	Weight (kg)
	R	L	ØD	ød	øc	H	ap	aemax					
SMP01 Arbor mounting	-063×4-A22-SN12-06	△	△	63	22	32	40	4	14	XSEQ1202	6	A	0.2
	-080×4-A22-SN12-08	△	△	80	22	40	50	4	18		8	A	0.4
	-100×4-A27-SN12-10	△	△	100	27	48	50	4	23		10	A	0.6
	-063×5-A22-SN12-06	△	△	63	22	32	40	5	14	XSEQ1203	6	A	0.2
	-080×5-A22-SN12-08	△	△	80	22	40	50	5	18		8	A	0.4
	-100×5-A27-SN12-10	△	△	100	27	48	50	5	23		10	A	0.7
	-063×6-A22-SN12-06	△	△	63	22	32	40	6	14	XSEQ12T3	6	A	0.2
	-080×6-A22-SN12-08	△	△	80	22	40	50	6	18		8	A	0.5
	-100×6-A27-SN12-10	△	△	100	27	48	50	6	23		10	A	0.7
	-125×6-B32-SN12-12	△	△	125	32	70	50	6	30		12	B	1.0
	-160×6-B40-SN12-16	△	△	160	40	70	50	6	41		16	B	1.3
	-063×7-A22-SN12-06	△	△	63	22	32	40	7	14	XSEQ1204	6	A	0.2
	-080×7-A22-SN12-08	△	△	80	22	40	50	7	18		8	A	0.5
	-100×7-A27-SN12-10	△	△	100	27	48	50	7	23		10	A	0.7
	-125×7-B32-SN12-12	△	△	125	32	70	50	7	30		12	B	1.1
	-160×7-B40-SN12-16	△	△	160	40	70	50	7	41		16	B	1.4
	-063×8-A22-SN12-06	△	△	63	22	32	40	8	14	XSEQ12T4	6	A	0.2
	-080×8-A22-SN12-08	△	△	80	22	40	50	8	18		8	A	0.5
	-100×8-A27-SN12-10	△	△	100	27	48	50	8	23		10	A	0.8
	-125×8-B32-SN12-12	△	△	125	32	70	50	8	30		12	B	1.1
	-160×8-B40-SN12-16	△	△	160	40	70	50	8	41		16	B	1.5

▲Stock available △Make-to-order

Indexable milling tools



Side and face milling tools

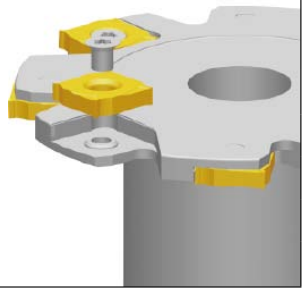
Tools code key **B133**

Grade selection guide **B18-B21**

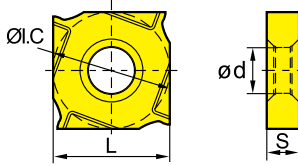
Technical data **B192-B198**

➤ Spare parts

Diameter ØD	Edge width ap	Screw	Wrench
			
Ø63-Ø160	4	I91M4×3.2X	WT09S
Ø63-Ø160	5	I91M4×4.2X	
Ø63-Ø250	6	I91M4×5.1X	
Ø63-Ø250	7	I91M4×6.1X	
Ø63-Ø250	8	I91M4×7.1X	




➤ Selection of inserts



😊 Good working condition 😐 Normal working condition ☹ Bad working condition

Workpiece material	P Steel	M Stainless steel	K Cast iron	N Non-ferrous metal	S Heat resistant alloy, Ti alloy
P Steel	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊
M Stainless steel	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊
K Cast iron	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊
N Non-ferrous metal	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊
S Heat resistant alloy, Ti alloy	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊	😊😊😊😊😊😊

Insert shape	Type	Basic dimensions(mm)				CVD Coating					PVD Coating			Cermet	Cemented carbide										
		Ø1.C	L	S	ød	YBC301	YBC302	YBM251	YBM253	YBM351	YBD152	YBD252	YBG102	YBG202	YBG205	YBG302	YBG152	YBG252	YNG151	YNG151C	YC305	YD051	YD101	YD201	
	XSEQ1202	12.7	12.7	2.3	5.0										★										
	XSEQ1203	12.7	12.7	3.0	5.0										★										
	XSEQ12T3	12.7	12.7	3.5	5.0										★										
	XSEQ1204	12.7	12.7	4.0	5.0										★										
	XSEQ12T4	12.7	12.7	4.5	5.0										★										

★ Recommended grade (always stock available) ● Available grade (always stock available) ○ Make-to-order

➤ Recommended cutting parameters

Workpiece material	Hardness HB	Insert grade	Cutting parameters	
			V(m/min)	f(mm/z)
P Low-carbon steel, Soft steel	≤180	YBG202	180 (100-250)	0.1(0.08-0.25)
		YBG302	150 (100-200)	0.15(0.1-0.3)
	180-280	YBG202	150 (80-250)	0.1(0.08-0.25)
		YBG302	120 (80-200)	0.15(0.1-0.3)
Alloy tool steel	280-350	YBG202	120 (80-250)	0.1(0.08-0.25)
		YBG302	100 (80-200)	0.15(0.1-0.3)
M Stainless steel	≤270	YBG202	120 (80-250)	0.1(0.05-0.15)
		YBG302	100 (80-200)	0.08(0.05-0.15)
K Cast iron	180-250	YBG152	120 (80-250)	0.1(0.05-0.15)
		YBG302	150 (100-250)	0.08(0.05-0.15)

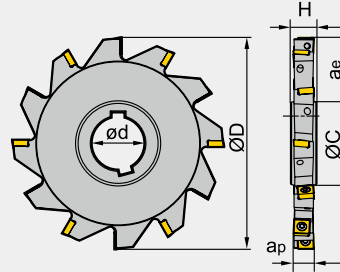
Side and face milling tools



SMP03 **P** **M** **K**



K-type coupling



➤ **Specification of tools**

Type	Stock	Basic dimensions(mm)						Applicable inserts	Number of teeth Z	Type of coupling	Weight (kg)
		ØD	øC	ød	ae _{max}	ap	H				
SMP03 -080×8-K27-MP06-10	△	80	43	27	17	8	12	MPHT060304-DM	10	K	0.2
Mounting by keyway -100×8-K32-MP06-14	△	100	47	32	25	8	12		14	K	0.3
-100×10-K32-MP06-14	△	100	47	32	25	10	14		14	K	0.4
-125×10-K40-MP06-16	△	125	55	40	34	10	14		16	K	0.6
-125×12-K40-MP08-12	△	125	55	40	34	12	16	MPHT080305-DM	12	K	0.7
-160×12-K40-MP08-14	△	160	62	40	47	12	16		14	K	1.3
-160×16-K40-MP12-12	△	160	62	40	49	16	20	MPHT120408-DM	12	K	1.6
-160×18-K40-MP12-12	△	160	62	40	49	18	24		12	K	1.9
-160×20-K40-MP12-12	△	160	62	40	49	20	26		12	K	2.1
-200×16-K50-MP12-14	△	200	72	50	62	16	20		14	K	2.5
-200×18-K50-MP12-14	△	200	72	50	62	18	24		14	K	2.9
-200×20-K50-MP12-14	△	200	72	50	62	20	26		14	K	3.3

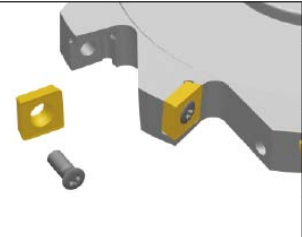
▲Stock available △Make-to-order

Indexable milling tools

Side and face milling tools

➤ **Spare parts**

Diameter Ød	Inserts	Screw	Wrench	
Ø80-Ø125	MP06	I60M2.5x6.5	WT07IP	--
Ø125-Ø160	MP08	I60M3x7	WT09IP	--
Ø160-Ø200	MP12	I60M5x13	--	WT20IS

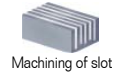


Tools code key **B133**

Grade selection guide **B18-B21**

Technical data **B192-B198**

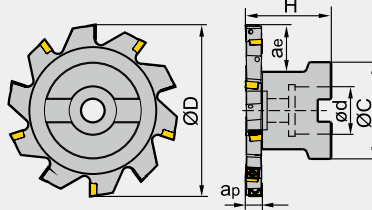
Side and face milling tools



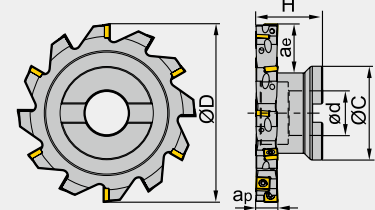
SMP03 P M K



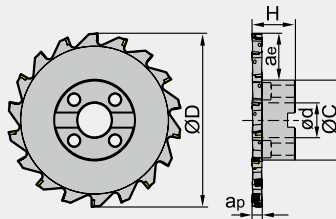
A-type coupling



B-type coupling



C-type coupling



Specification of tools

Type	Stock		Basic dimensions(mm)						Applicable inserts	Number of teeth Z	Type of coupling	Weight (kg)
	R	L	ØD	øc	ød	a _e max	a _p	H				
SMP03 Arbor mounting	△	△	80	45	22	21	8	40	MPHT060304-DM	10	A	0.4
	△	△	100	55	27	24	8	40		14	B	0.6
	△	△	100	55	27	24	10	40		14	B	0.7
	△	△	125	65	32	33	10	45		16	B	1.1
	△	△	125	65	32	33	12	45	MPHT080305-DM	12	B	1.4
	△	△	160	80	40	45	12	50		14	B	1.9
	△	△	200	92	40	53	12	50	18	C	3.2	
	△	△	125	65	32	33	16	50	MPHT120408-DM	10	B	2.3
	△	△	160	80	40	45	16	60		12	B	2.3
	△	△	160	80	40	45	18	60		12	B	2.4
	△	△	200	92	40	53	16	50		14	C	3.6
	△	△	200	92	40	53	18	50	14	C	3.9	
△	△	200	92	40	53	20	50	14	C	4.2		

▲Stock available △Make-to-order

Spare parts

Diameter ØD	Inserts	Screw	Wrench	
Ø80-Ø125	MP06	I60M2.5×6.5	WT07IP	--
Ø125-Ø200	MP08	I60M3×7	WT09IP	--
Ø125-Ø200	MP12	I60M5×13	--	WT20IS

Tools code key

B133

Grade selection guide

B18-B21

Technical data

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