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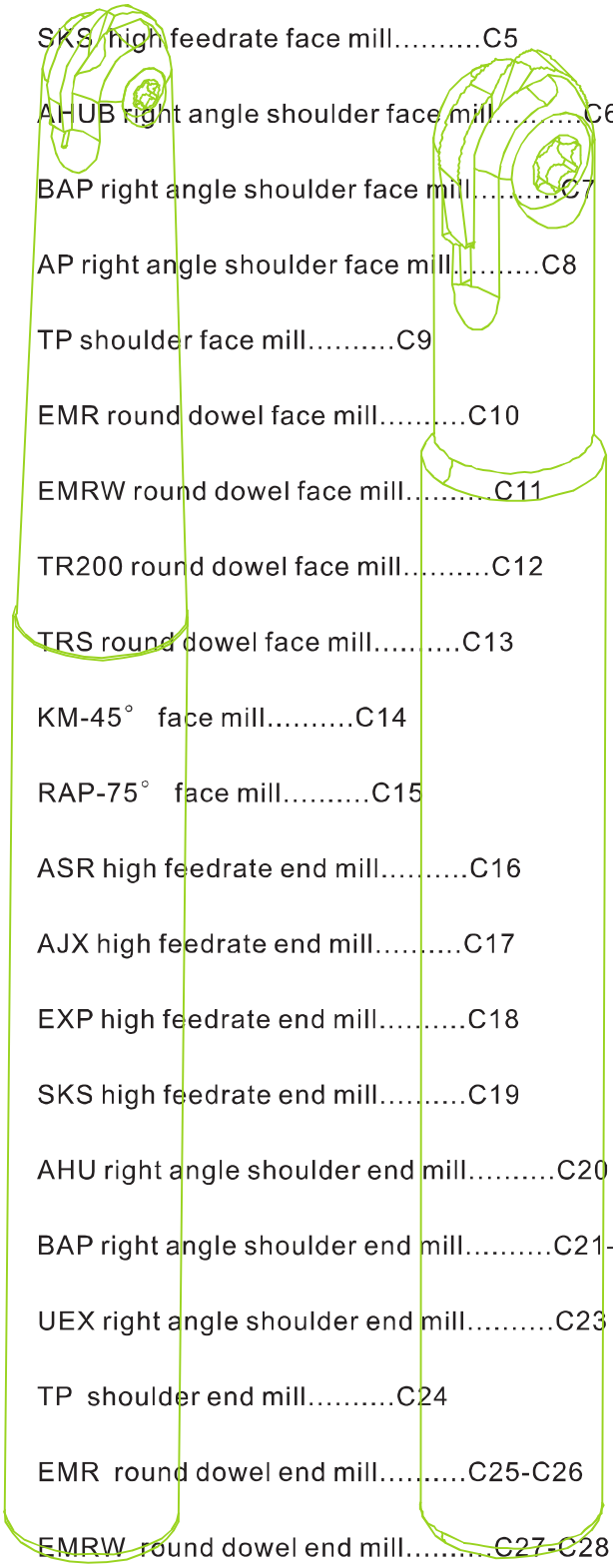
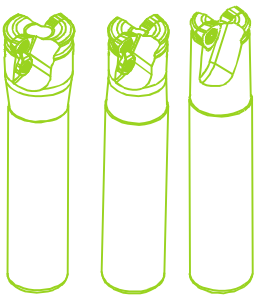
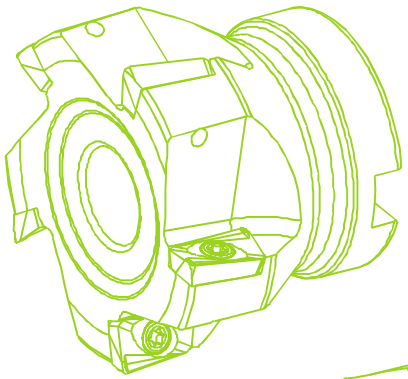
KOVES TOOLS
Create customer value
Promote customer success

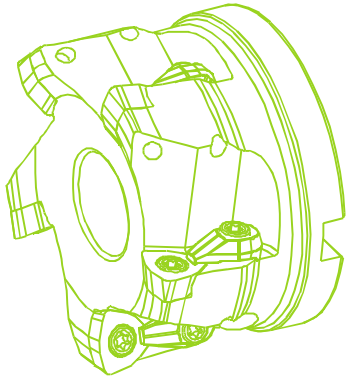
Face mill

ASR /ASF high feedrate face mill.....C2
AJX high feedrate face mill.....C3
TXP high feedrate face mill.....C4
SKS high feedrate face mill.....C5
AHUB right angle shoulder face mill.....C6
BAP right angle shoulder face mill.....C7
AP right angle shoulder face mill.....C8
TP shoulder face mill.....C9
EMR round dowel face mill.....C10
EMRW round dowel face mill.....C11
TR200 round dowel face mill.....C12
TRS round dowel face mill.....C13
KM-45° face mill.....C14
RAP-75° face mill.....C15
ASR high feedrate end mill.....C16
AJX high feedrate end mill.....C17
EXP high feedrate end mill.....C18
SKS high feedrate end mill.....C19
AHU right angle shoulder end mill.....C20
BAP right angle shoulder end mill.....C21-C22
UEX right angle shoulder end mill.....C23
TP shoulder end mill.....C24
EMR round dowel end mill.....C25-C26
EMRW round dowel end mill.....C27-C28
TR200 round dowel end mill.....C29
TRS round dowel end mill.....C30-C31
TJU borer mill.....C32
ASJ-2P borer mill.....C33
ASJ-4P borer mill.....C34
BSF/BCFL copy end mill.....C35-C36
T2139 copy end fine mill.....C37
CPC chamfer end mill.....C38
KM end mill.....C39
Mill mating parts.....C40-C41









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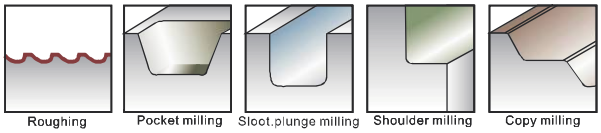
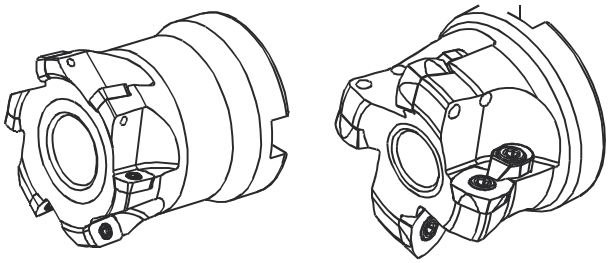
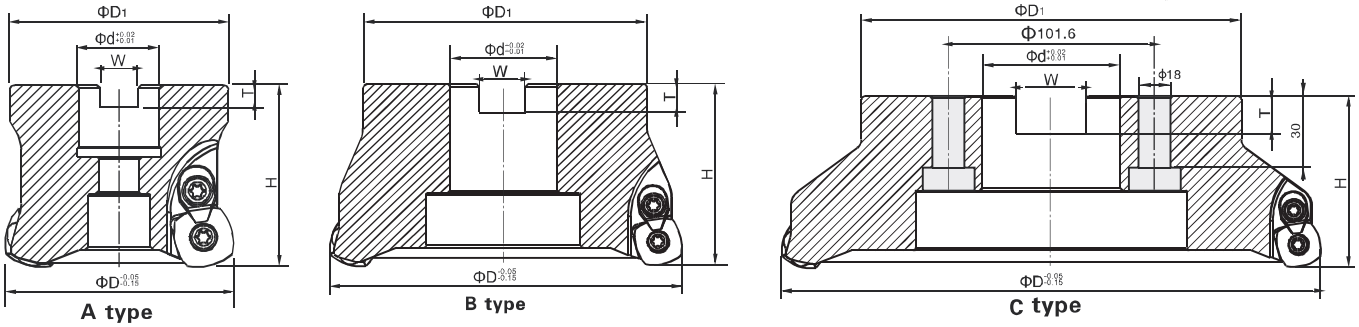
ASR/ASF high feedrate face mill







Stocked Items★ / Cat. No	Manner	Size D	D1	d	H	W	T	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
★ ASR2050-22-6T	A	50	47	22	50	10.4	6.3	—	EPNW0603TN-8 EPMT0603TN-8	—	A25060G M2.5x6	T8F T8
★ ASR2050-25.4-6T	A	50	47	25.4	50	10	6	—				
★ ASF5063-22-3T	A	63	60	22	50	10.4	6.3	—	SD□□1505ZDTN-□15	AMS-5	A50120J M5x12	T20F T20
★ ASF5063-22-4T	A	63	60	22	50	10.4	6.3	—				
ASF5080-27-4T	A	80	70	27	63	12.4	7	—				
ASF5080-27-5T	A	80	70	27	63	12.4	7	—				
ASF5100-32-5T	B	100	90	32	63	14.4	8	—				
ASF5125-40-6T	B	125	100	40	63	16.4	9	FMB-40-SHIM				
ASF5160-40-8T	B	160	105	40	63	16.4	9	FMB-40-SHIM				
ASF5200-60-8T	C	200	150	60	63	25.7	14	—				
ASF5200-60-10T	C	200	150	60	63	25.7	14	—				
★ ASF5063-25.4-3T	A	63	60	25.4	50	10	6	—				
★ ASF5063-25.4-4T	A	63	60	25.4	50	10	6	—				
ASF5080-25.4-4T	A	80	70	25.4	63	10	6	—				
ASF5080-25.4-5T	A	80	70	25.4	63	10	6	—				
ASF5100-31.75-5T	B	100	90	31.75	63	13	8	—				
ASF5125-38.1-6T	B	125	100	38.1	63	16.2	10	FMB-38.1-SHIM				
ASF5160-38.1-6T	B	160	105	38.1	63	16.2	10	FMB-38.1-SHIM				
ASF5200-50.8-8T	B	200	150	50.8	63	19.3	11	FMB-50.8-SHIM				
ASF5200-50.8-12T	B	200	150	50.8	63	19.3	11	FMB-50.8-SHIM				

Inserts

Cat. No.	JX8045	GX2030	JX1005	JX1015	JX1020	JX1045	JX1060	Insert shape	Size(mm) R	L	T	W	
EPNW0603TN-8	●★	●	●★	●	●	●	●		8	10	3.18	6.35	HITACHI
EPMT0603TN-8	●★	●	●★	●	●	●	●		8	10	3.18	6.35	

Cat. No.	JX1045	TB6005	TB6020	TB6045	TB6060	CY150	CY250	GX30	GX2030	CH550	Insert shape	Size(mm) R	T	W	
SDNW1505ZDTN-R15	●★	●		●	●	●	●	●				15	5.56	18.875	HITACHI
SDMT1505ZDTN-R15	●★			●	●							15	5.56	18.875	
SDMT1505ZDTN-C15	●			●	●		●	●		●		15	5.56	18.875	
SDEW1505ZDTN-R15	●			●	●		●	●				15	5.56	18.875	

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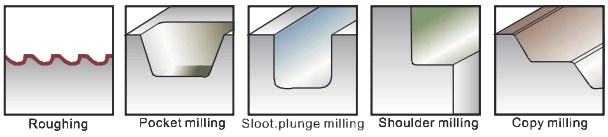
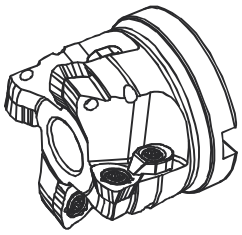
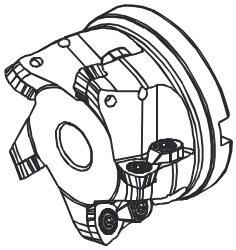
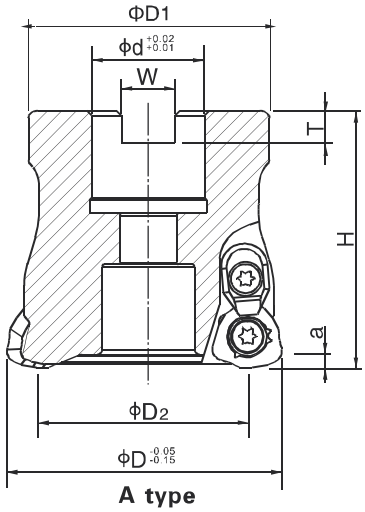
AJX high feedrate face mill





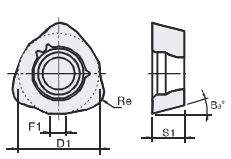




A type

	Cat. No / Stocked Items★	Manner	Size D	D1	D2	d	H	W	T	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
★	AJX12-50-22-3T	A	50	47	38.3	22	50	10.4	6.3	1.5	JDMW120420 ZDSR-FT	AMS-4	A40100J M4×10	T15F T15
	AJX12-50-22-4T	A	50	47	38.3	22	50	10.4	6.3	1.5				
★	AJX12-63-22-4T	A	63	60	51.3	22	50	10.4	6.3	1.5				
★	AJX14-63-22-3T	A	63	60	51.1	22	50	10.4	6.3	2	JDMW140520 ZDSR-FT	AMS-5	A50120J M5×12	T20F T20
★	AJX14-63-22-4T	A	63	60	51.1	22	50	10.4	6.3	2				
	AJX14-80-27-4T	A	80	76	68.1	27	50	12.4	7	2				
	AJX14-80-27-5T	A	80	76	68.1	27	50	12.4	7	2				
	AJX14-100-32-5T	A	100	96	88.1	32	63	14.4	8	2				
★	AJX12-50-25.4-3T	A	50	47	38.3	25.4	50	10	6	1.5	JDMW120420 ZDSR-FT	AMS-4	A40100J M4×10	T15F T15
★	AJX12-50-25.4-4T	A	50	47	38.3	25.4	50	10	6	1.5				
★	AJX12-63-25.4-4T	A	63	60	51.3	25.4	50	10	6	1.5				
★	AJX14-63-25.4-3T	A	63	60	51.1	25.4	50	10	6	2	JDMW140520 ZDSR-FT	AMS-5	A50120J M5×12	T20F T20
★	AJX14-63-25.4-4T	A	63	60	51.1	25.4	50	10	6	2				
	AJX14-80-25.4-4T	A	80	76	68.1	25.4	50	10	6	2				
	AJX14-80-25.4-5T	A	80	76	68.1	25.4	50	10	6	2				
	AJX14-100-31.75-5T	A	100	96	88.1	31.75	63	13	8	2				

Inserts

Cat. No.	FH7020	VP15TF	VP30RT	Insert shape	Size(mm) B3°	D1	S1	F1	Re	
JDMW120420ZDSR-FT	●	●★	●		15	12	4.76	5	2	MITSUBISHI
140520ZDSR-FT	●	●★	●		15	14	5.56	5	2	
JDMT120420ZDSR-ST	●	●	●		15	12	4.76	5	2	
120420ZDSR-JM	●	●	●		15	12	4.76	5	2	
140520ZDSR-ST	●	●	●		15	14	5.56	5	2	
140520ZDSR-JM	●	●	●		15	14	5.56	5	2	

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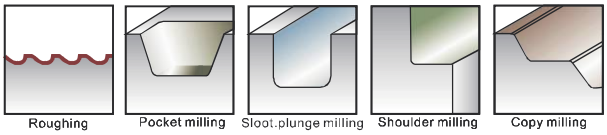
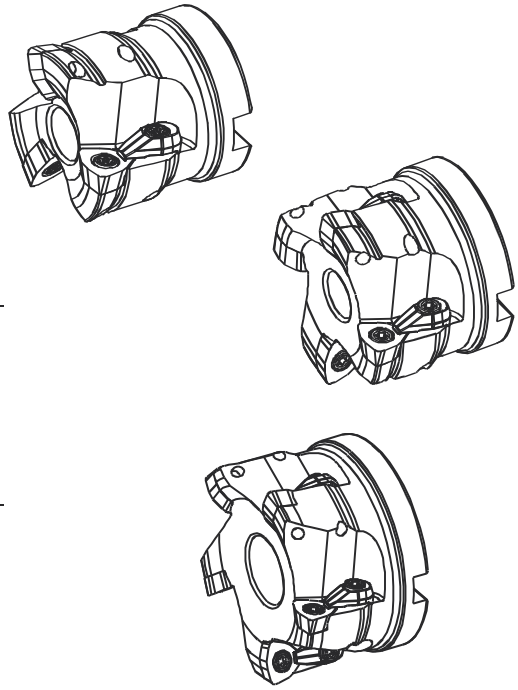
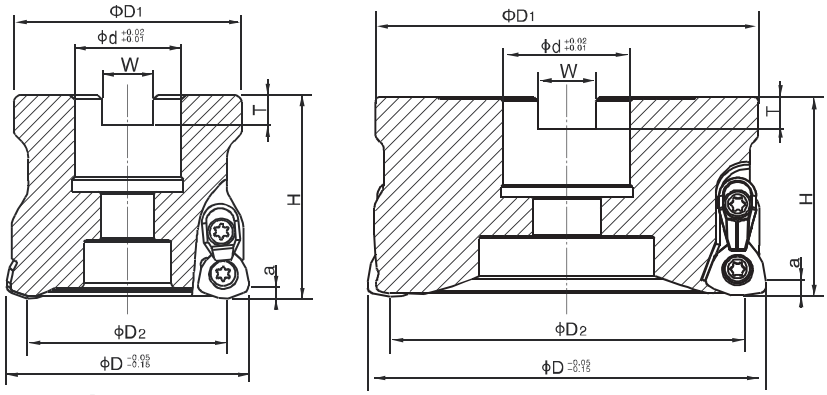
TXP high feedrate face mill





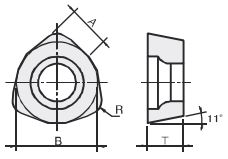


A type

B type

Cat. No / Stocked Items★	Manner	Size								Applicable inserts	Clamp piece	Clamp screw	Wrench
		D	D1	D2	d	H	W	T	a				
TXP06–50–22–4T	A	50	47	41.4	22	50	10.4	6.3	1.5	WPMW06X415ZPR	CSY–15	A40100J M4×10	T15F T15
TXP06–50–25.4–4T	A	50	47	41.4	25.4	50	10	6	1.5				
TXP08–50–22–3T	A	50	47	38.6	22	50	10.4	6.3	1.5	WPMT080615ZSR	CSY–20	A50110D M5×11	T20F T20
TXP08–63–22–4T	A	63	59	51.6	22	50	10.4	6.3	1.5				
TXP08–80–27–4T	A	80	76	68.6	27	50	12.4	7	1.5				
TXP08–80–27–5T	A	80	76	68.6	27	50	12.4	7	1.5				
TXP08–100–32–5T	B	100	96	88.6	32	50	14.4	8	1.5				
TXP08–50–25.4–3T	A	50	47	38.6	25.4	50	10	6	1.5				
TXP08–63–25.4–4T	A	63	59	51.6	25.4	50	10	6	1.5				
TXP08–80–25.4–4T	A	80	76	68.6	25.4	50	10	6	1.5				
TXP08–100–31.75–5T	B	100	96	88.6	31.75	50	13	8	1.5				

Inserts

Cat. No.	AH120	AH140	T3030	T1015	Insert shape	Size (mm) A	B	T	R	
WPMW06X415ZPR	●★	●	●	●		6	9.525	4.2	1.5	Tungaloy
WPMT06X415ZPR-ML	●	●	●			6	9.525	4.2	1.5	
06X415ZPR-MH	●	●				6	9.525	4.2	1.5	
WPMT080615ZPR	●★	●	●	●		8	12.87	6.35	1.5	
080615ZPR-ML	●	●	●			8	12.87	6.35	1.5	
080615ZPR-MH	●	●				8	12.87	6.35	1.5	

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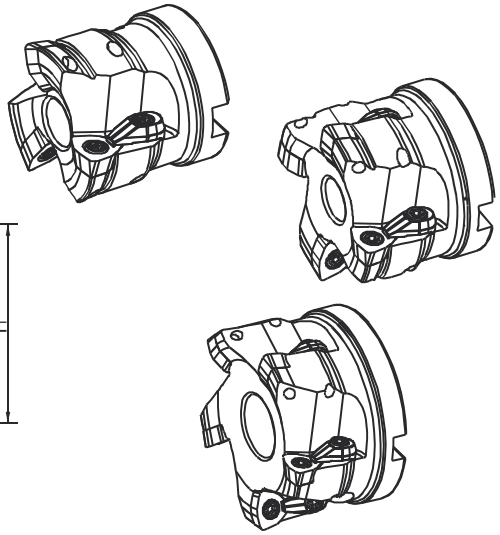
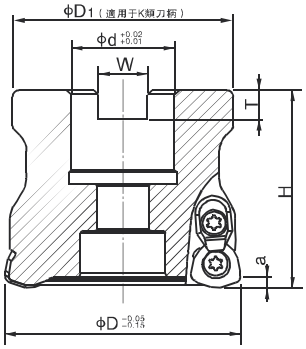
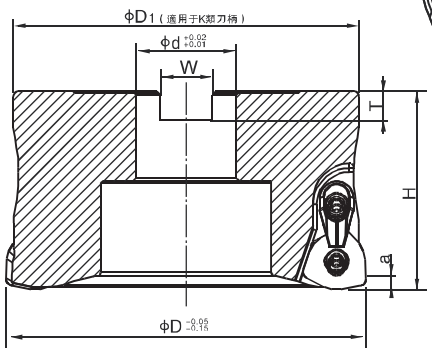
SKS high feedrate face mill





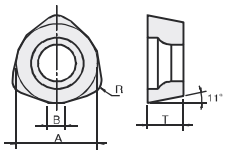
A type



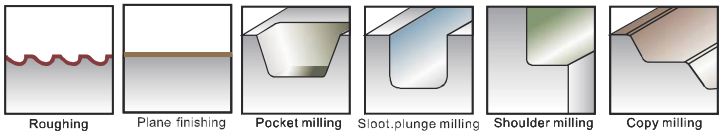
B type

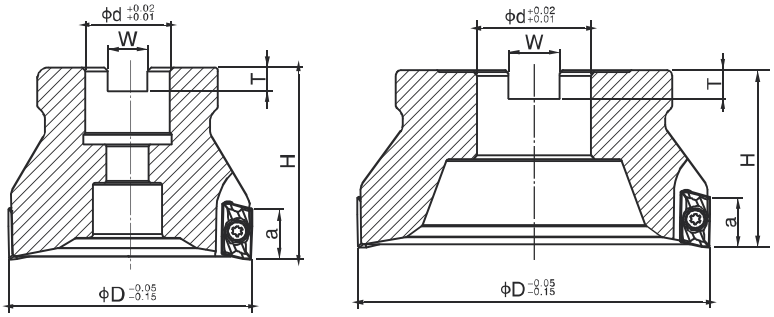
Cat. No / Stocked Items★	Manner	Size D	Size D1	Size d	Size H	Size W	Size T	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
SKS06-40-16-3T	A	40	37	16	45	8.4	5.6	—	WDMW06T320ZTR WDHW060320ZTR	AMS-4	A40090F M4x9	T15F T15
SKS08-50-22-3T	A	50	47	22	50	10.4	6.3	—	WDMW080520ZTR WDMT080520ZER WDHW080520ZTR	CSY20	A45105F M4.5x10.5 A50110D M5x11	T20F T20
SKS08-52-22-3T	A	52	47	22	50	10.4	6.3	—				
SKS08-52-22-4T	A	52	47	22	50	10.4	6.3	—				
SKS08-63-22-3T	A	63	60	22	50	10.4	6.3					
SKS08-63-22-4T	A	63	60	22	50	10.4	6.3	—				
SKS08-63-27-3T	A	63	60	27	50	12.4	7	—				
SKS08-63-27-4T	A	63	60	27	50	12.4	7	—				
SKS08-66-27-4T	A	66	60	27	50	12.4	7	—				
SKS08-80-27-5T	A	80	76	27	55	12.4	7	—				
SKS08-100-32-6T	B	100	96	32	55	14.4	8	FMB-32-SHIM				
SKS10-63-22-4T	A	63	60	22	50	10.4	6.3	—	WDMW10X620ZTR WDMT10X620ZER	CSY20	A45105F M4.5x10.5 A50110D M5x11	T20F T20
SKS10-63-27-4T	A	63	60	27	50	12.4	7	—				
SKS10-80-27-5T	A	80	76	27	55	12.4	7	—				
SKS10-100-32-5T	B	100	96	32	55	14.4	8	FMB-32-SHIM				
SKS10-125-40-6T	B	125	96	40	55	16.4	9	FMB-40-SHIM				
SKS10-160-40-7T	B	160	96	40	55	16.4	9	FMB-40-SHIM				
SKS08-63-25.4-3T	A	63	60	25.4	50	10	6	—	WDMW080520ZTR WDMT080520ZER WDHW080520ZTR	CSY20	A45105F M4.5x10.5 A50110D M5x11	T20F T20
SKS08-63-25.4-4T	A	63	60	25.4	50	10	6	—				
SKS08-80-31.75-5T	A	80	76	31.75	63	13	8	—				
SKS08-100-31.75-5T	B	100	96	31.75	63	13	8	FMB-31.75-SHIM				
SKS10-63-25.4-4T	A	63	60	25.4	50	10	6	—	WDMW10X620ZTR WDMT10X620ZER	CSY20	A45105F M4.5x10.5 A50110D M5x11	T20F T20
SKS10-80-31.75-5T	A	80	76	31.75	63	13	8	—				
SKS10-100-31.75-5T	B	100	96	31.75	63	13	8	FMB-31.75-SHIM				
SKS10-125-38.1-6T	B	125	96	38.1	63	16.2	10	FMB-38.1-SHIM				
SKS10-160-50.8-7T	B	160	96	50.8	63	19.3	11	FMB-50.8-SHIM				

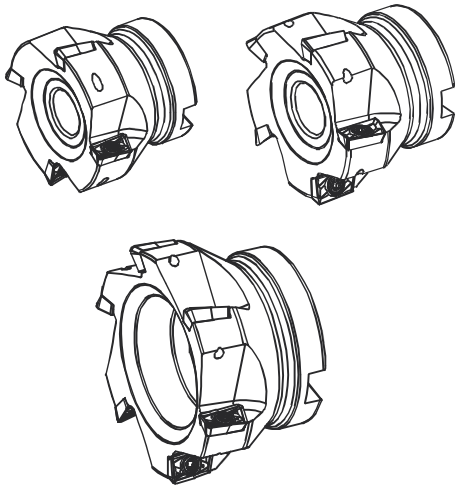
Inserts

Cat. No.	JC5015	JC5040	JC600	JC730U	JC8015	Insert shape	Size (mm) A	B	T	R	
WDMW06T320ZTR	●	●			●		10	1.2	3.97	2	DIJET
080520ZTR	●	●			●		13	1.5	5.5	2	
10X620ZTR	●	●					16	2.0	6	2	
WDMT080520ZER			●	●			13	1.5	5.5	2	
10X620ZER			●	●			16	2.0	6	2	
WDHW060320ZTR	●	●					10	1.2	3.97	2	
080520ZTR	●	●					13	1.5	5.5	2	

AHUB right angle shoulder face mill

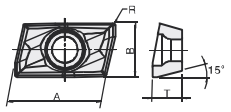






Stocked Items ★ / Cat. No		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp screw	Wrench
★	AHUB15-50-22-4T	A	50	22	50	10.4	6.3	14	—	JDMT 1505□□ R	A40100J M4×10	T15F T15
★	AHUB15-63-22-4T	A	63	22	50	10.4	6.3	14	—			
★	AHUB15-63-22-5T	A	63	22	50	10.4	6.3	14	—			
★	AHUB15-80-27-6T	A	80	27	50	12.4	7	14	—			
★	AHUB15-100-32-6T	B	100	32	50	14.4	8	14	FMB-32-SHIM			
★	AHUB15-50-25.4-4T	A	50	25.4	50	10	6	14	—			
★	AHUB15-63-25.4-4T	A	63	25.4	50	10	6	14	—			
★	AHUB15-63-25.4-5T	A	63	25.4	50	10	6	14	—			
	AHUB15-80-25.4-6T	A	80	25.4	50	10	6	14	—			
	AHUB15-100-31.75-6T	B	100	31.75	50	13	8	14	FMB-31.75-SHIM			

Inserts

Cat. No.	PTH30E	TB6045	PTH40H	PTH13S	Insert shape	Size (mm) A	B	T	R	
JDMT150504R	●	●		●		16	9.12	5	0.4	HITACHI
JDMT150508R	● ★	●	●	● ★		16	9.12	5	0.8	
JDMT150520R	● ★					16	9.12	5	2.0	
JDMT150530R	● ★		●			16	9.12	5	3.0	

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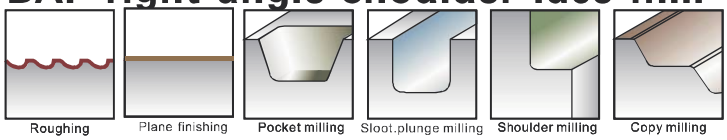
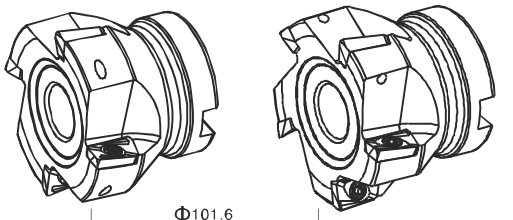
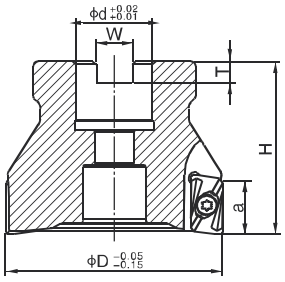
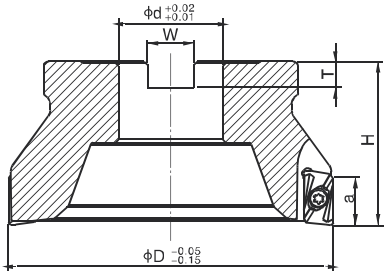
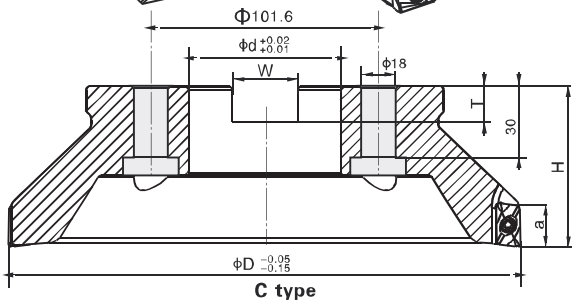
BAP right angle shoulder face mill











Cat. No / Stocked Items ★		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp screw	Wrench
★	BAP400R-50-22-4T	A	50	22	50	10.4	6.3	14	—	APMT 1604 PDER	A40100J M4×10	T15F T15
★	BAP400R-63-22-4T	A	63	22	50	10.4	6.3	14	—			
★	BAP400R-63-22-5T	A	63	22	50	10.4	6.3	14	—			
★	BAP400R-80-27-6T	A	80	27	50	12.4	7	14	—			
★	BAP400R-100-32-6T	B	100	32	50	14.4	8	14	FMB-32-SHIM			
★	BAP400R-125-40-6T	B	125	40	63	14.4	8	14	FMB-40-SHIM			
★	BAP400R-160-40-9T	B	160	40	63	14.4	8	14	FMB-40-SHIM			
★	BAP400R-200-60-9T	C	200	60	63	25.7	14	14	—			
★	BAP400R-200-60-12T	C	200	60	63	25.7	14	14	—			
★	BAP400R-50-25.4-4T	A	50	25.4	50	10	6	14	—			
★	BAP400R-63-25.4-4T	A	63	25.4	50	10	6	14	—			
★	BAP400R-63-25.4-5T	A	63	25.4	50	10	6	14	—			
	BAP400R-80-25.4-6T	A	80	25.4	50	10	6	14	—			
	BAP400R-100-31.75-6T	B	100	31.75	50	13	8	14	FMB-31.75-SHIM			

Inserts

Cat. No.	F7030	F620	VP15TF	UP20M	NX2525	NX4545	UTI20T	HT110	NCM325	PC3535	PC3545	PC3530	PC6510	PD2000	H01	H01	KW20	KC25	KP30	KC35	Insert shape	Size (mm) L1	L2	S1	F1	Re	
APMT1604PDER-H1	●		●				●															16.5	9.525	4.76	1.7	0.4	MITSUBISHI
1604PDER-H2	●	●	●★	●	●	●★	●	●														16.5	9.525	4.76	1.7	0.8	
1604PDER-H4	●						●															16.5	9.525	4.76	1.7	1.6	
1604PDER-H6	●						●															16.5	9.525	4.76	1.7	2.4	
1604PDER-H8	●						●															16.5	9.525	4.76	1.7	3.2	
APMT1604PDER-M2	●	●	●★			●																16.5	9.525	4.76	1.7	0.8	
APGT1604PFDR-G2	●							●														16.5	9.525	4.76	1.7	0.8	
APKT1604PDSR									●	●	●	●	●									16.4	9.525	4.76	—	0.8	KORLOY
1604PDFR-MA														●	●★							16.4	9.525	4.76	—	0.8	
APKT160402-MA																●★	●					16.4	9.525	4.76	—	0.2	KOVES
APMT160408PDER-MA2																	●★		●★			16.5	9.525	4.76	1.7	0.8	
APKT160408PDER-MA2																	●★					16.5	9.525	4.76	1.4	0.8	

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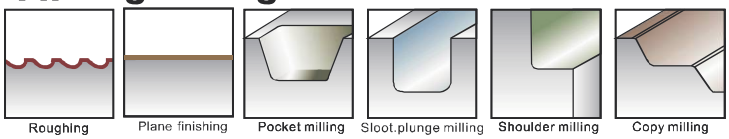
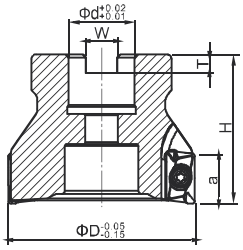
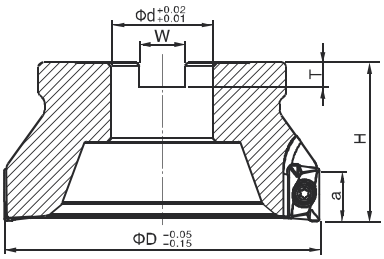
AP right angle shoulder face mill





A type



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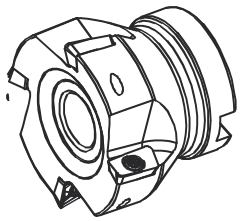
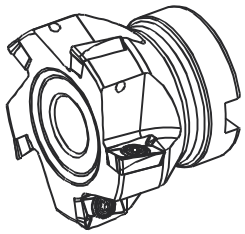
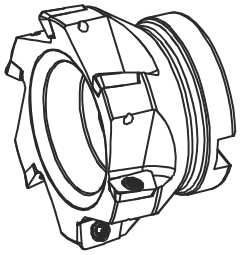


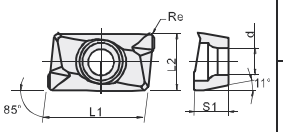
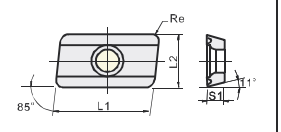
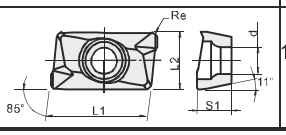




Cat. No	Manner	Size						Circular cushin	Applicable inserts	Clamp screw	Wrench
		D	d	H	W	T	a				
AP11-50-22-6T	A	50	22	50	10.4	6.3	11	—	APKT 11T3□□	A25065G M2.5x6.5	T08F T08
AP11-63-22-6T	A	63	22	50	10.4	6.3	11	—			
AP16-50-22-4T	A	50	22	50	10.4	6.3	16	—	APKT 1604□□	A40100J M4x10	T15F T15
AP16-63-22-4T/5T	A	63	22	50	10.4	6.3	16	—			
AP16-80-27-6T	A	80	27	50	12.4	7	16	—			
AP16-100-32-6T	B	100	32	50	14.4	8	16	FMB-32-SHIM			
AP16-50-25.4-4T	A	50	25.4	50	10	6	16	—			
AP16-63-25.4-4T/5T	A	63	25.4	50	10	6	16	—			
AP16-80-25.4-6T	A	80	25.4	50	10	6	16	—			
AP16-100-31.75-6T	B	100	31.75	50	13	8	16	FMB-31.75-SHIM			

C

Inserts

Cat. No.	NCM120	NCM325	NCM335	NCM320K	PC230	PC240	PC3530	PC9530	PC215K	H01	H01	KW20	KC25	KP30	KC35	Insert shape	Size (mm) L1	L2	S1	d	Re	
APXT11T3PDR-MA										●							11.3	6.6	3.6	2.85	0.5	KORLOY
11T3PDSR-MF		●	●	●			●	●	●								11.3	6.6	3.6	2.85	0.5	
11T3PDSR-MR		●			●												11.3	6.6	3.6	2.85	0.5	
1604PDSR-MF	●	●	●	●			●	●									16.5	9.56	5.76	4.5	0.8	
APXT11T3PDSR-MM	●	●	●	●	●	●	●	●									11.3	6.6	3.6	2.85	0.5	
11T312R-MM		●	●		●												11.3	6.6	3.6	2.85	1.2	
1604PDSR-MM	●	●	●	●	●	●	●	●	●								16.5	9.56	5.76	4.5	0.8	
160416R-MM		●	●		●												16.5	9.56	5.76	4.5	1.6	
160432R-MM		●															16.5	9.56	5.76	4.5	3.2	
APKT160402-MA											●★	●					16.4	9.525	4.76	—	0.2	KOVES
APMT1604PDER-MA2														●★			16.5	9.525	4.76	1.7	0.8	
APKT1604PDER-HA2											●★	●					17.877	9.33	5.76	—	0.8	
APKT1604PDER-MA2											●★						16.5	9.525	4.76	1.4	0.8	

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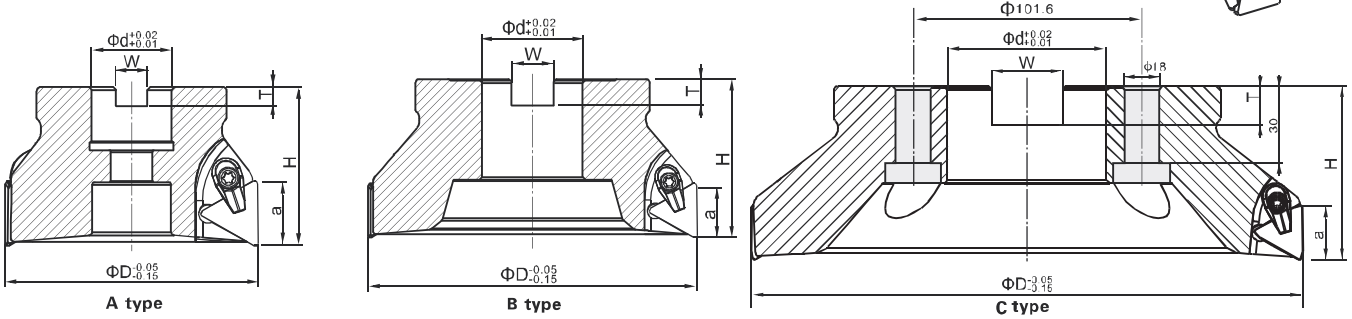
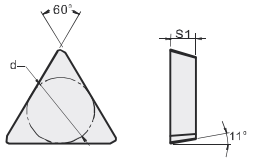
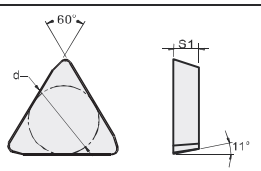
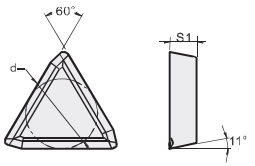
TP Shoulder face mill



Stocked Items ★ \ Cat. No	Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
★ TP16-50-22-4T	A	50	22	50	10.4	6.3	14	—	TPMN1603 TPKN1603	AMS-4	A40100J M4x10	T15
★ TP22-63-22-4T	A	63	22	50	10.4	6.3	18	—	TPMN 2204 TPKN 2204 XPKR 220412	CSY-20	A50110D M5x11	T20
★ TP22-80-27-5T	A	80	27	50	12.4	7	18	—				
★ TP22-100-32-5T	B	100	32	50	14.4	8	18	FMB-32-SHIM				
★ TP22-125-40-6T	B	125	40	60	16.4	9	18	FMB-40-SHIM				
★ TP22-160-40-6T	B	160	40	63	16.4	9	18	FMB-40-SHIM				
★ TP22-200-60-9T	C	200	60	63	25.7	14	18	—				
★ TP22-63-25.4-4T	A	63	25.4	50	10	6	18	—				
TP22-80-25.4-5T	A	80	25.4	50	10	6	18	—				
TP22-100-31.75-5T	B	100	31.75	50	13	8	18	FMB-31.75-SHIM				
TP22-125-38.1-6T	B	125	38.1	60	16.2	10	18	FMB-38.1-SHIM				

Inserts

Cat. No.	CY25	EX35	CH550	WH10	KT20	KP30	KC35	KP20	KC25	Insert shape	Size (mm) d	Size (mm) s1	
TPMN1603					●			●			9.525	3.18	KOVES
TPKN1603PDR					●★			●★			9.525	3.18	
TPMN2204					●			●			12.7	4.76	
TPKN2204PDR					●		●	●			12.7	4.76	
TPKR220408					●★	●★							
TPMN160308		●	●	●							9.525	3.18	HITACHI
TPMN220412		●	●	●							12.7	4.76	
TPMN220408Y	●										12.7	4.76	
XPKN220412					●			●	●★		12.7	4.76	KOVES
XPKR220412					●★	●★		●★			12.7	4.76	

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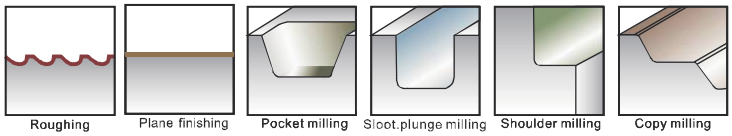
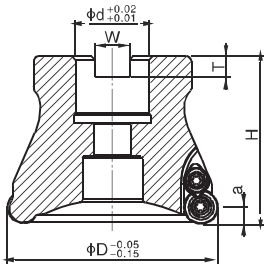
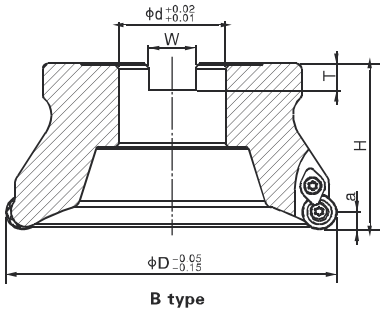
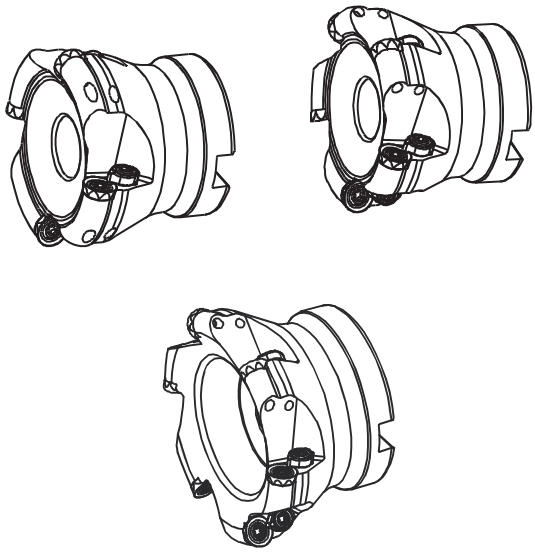
EMR round dowel face mill



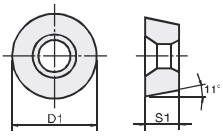






Stocked Items ★ / Cat. No		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
★	EMR-5R-50-22-4T	A	50	22	50	10.4	6.3	5	—	RPMW 1003 MO RPMW 10T3 MOE	A-5R	A40100J / A35100F M4×10 / M3.5×10	T15F T15
★	EMR-5R-63-22-4T	A	63	22	50	10.4	6.3	5	—				
★	EMR-5R-63-22-5T	A	63	22	50	10.4	6.3	5	—				
★	EMR-5R-80-27-6T	A	80	27	50	12.4	7	5	—				
★	EMR-5R-100-32-6T	B	100	32	50	14.4	8	5	FMB-32-SHIM				
★	EMR-5R-50-25.4-4T	A	50	25.4	50	10	6	5	—				
★	EMR-5R-63-25.4-4T	A	63	25.4	50	10	6	5	—				
★	EMR-5R-63-25.4-5T	A	63	25.4	50	10	6	5	—				
	EMR-5R-80-25.4-6T	A	80	25.4	50	10	6	5	—				
	EMR-5R-100-31.75-6T	B	100	31.75	50	13	8	5	FMB-31.75-SHIM				

Inserts

Cat. No.	UP20M	NX2525	UTI20T	F7030	VP15TF	SH8020	SH8250	JC3535	NIT	NAT	UMS	DX25	KT9	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	S1		
RPMW1003MO	●	●	●																	10	3.18		MITSUBISHI
RPMT10T3MOE				●	●															10	3.97		
RPMW1003MOEN						●★	●★													10	3.18		HITACHI
RPMW1003MO								●	●	●	●	●	●							10	3.18		DIJET
RPMW1003MO																	●★			10	3.18		KOVES

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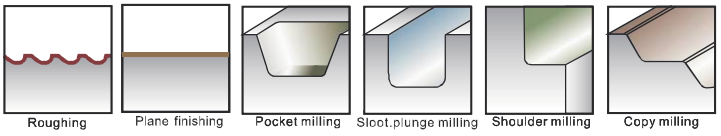
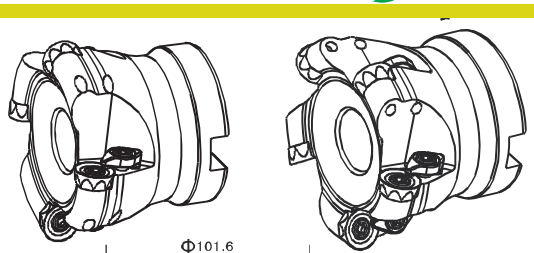
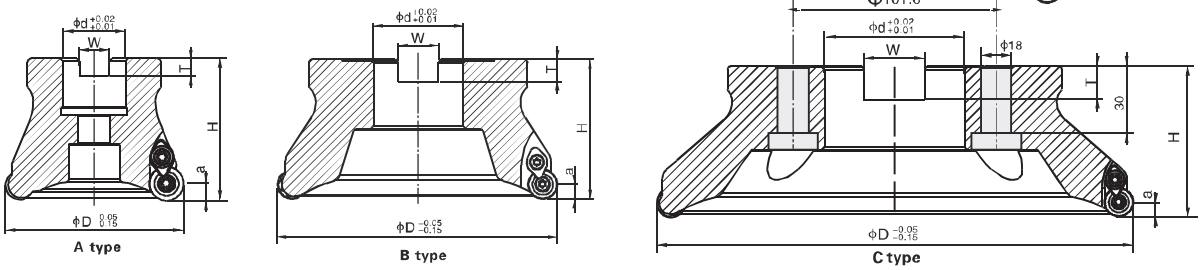
KOVES TOOLS
Create customer value
Promote customer success

EMRW round dowel face mill

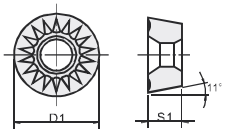
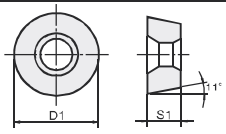
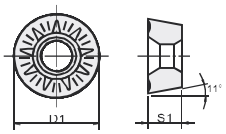
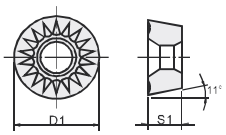






Stocked Items★ / Cat. No		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
★	EMRW-6R-50-22-4T	A	50	22	50	10.4	6.3	6	—	RPMW \ T 1204 MO	A-6R	A40100J M4×10	T15F T15
★	EMRW-6R-63-22-4T	A	63	22	50	10.4	6.3	6	—				
★	EMRW-6R-63-22-5T	A	63	22	50	10.4	6.3	6	—				
★	EMRW-6R-80-27-6T	A	80	27	50	12.4	7	6	—				
★	EMRW-6R-100-32-6T	B	100	32	50	14.4	8	6	FMB-32-SHIM				
★	EMRW-6R-125-40-6T	B	125	40	63	16.4	9	6	FMB-40-SHIM				
★	EMRW-6R-160-40-9T	B	160	40	63	16.4	9	6	FMB-40-SHIM				
★	EMRW-6R-200-60-9T	C	200	60	63	25.7	14	6	—				
★	EMRW-6R-50-25.4-4T	A	50	25.4	50	10	6	6	—				
★	EMRW-6R-63-25.4-4T	A	63	25.4	50	10	6	6	—				
★	EMRW-6R-63-25.4-5T	A	63	25.4	50	10	6	6	—				
	EMRW-6R-80-25.4-6T	A	80	25.4	50	10	6	6	—				
	EMRW-6R-100-31.75-6T	B	100	31.75	50	13	8	6	FMB-31.75-SHIM				

Inserts

Cat. No.	F7030	F620	VP15TF	NX4545	UTI20T	TN100M	PR510	PR660	PR730	KW10	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	S1		
RPMT1204MOE-JS	●	●★	●★														12	4.76		MITSUBISHI
RPMT1204MO							●	●	●	●							12	4.76		KYOCERA
1204MO-H						●	●	●	●	●							12	4.76		
RPMW1204MOE	●	●		●	●												12	4.76		MITSUBISHI
1204MOT			●														12	4.76		
RPMW1204MO											●			●★			12	4.76		KOVES
RPMT1204MO-JS														●★			12	4.76		KOVES

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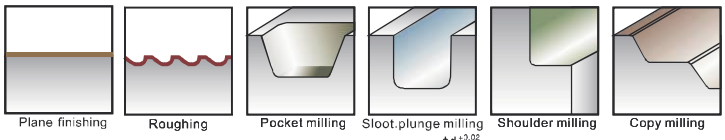
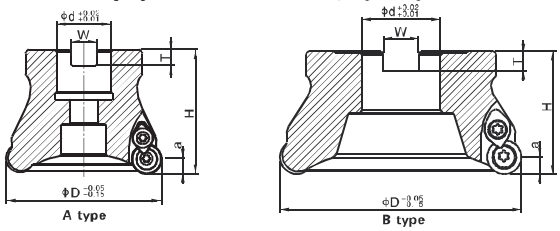
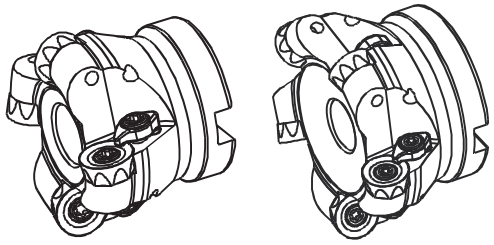
TR200 round dowel face mill







Stocked Items ★ / Cat. No	Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
TR200-5R-50-22-4T	A	50	22	50	10.4	6.3	5	—	RC□T 10T3 MO	A-6R	A40100J / A35100J M4×10 / M3.5×10	T15F T15
TR200-5R-63-22-4T/5T	A	63	22	50	10.4	6.3	5	—				
TR200-5R-80-27-6T	A	80	27	50	12.4	7	5	—				
TR200-5R-100-32-6T	B	100	32	50	14.4	8	5	FMB-32-SHIM				
TR200-5R-50-25.4-4T	A	50	25.4	50	10	6	5	—				
TR200-5R-63-25.4-4T/5T	A	63	25.4	50	10	6	5	—				
TR200-5R-80-25.4-6T	A	80	25.4	50	10	6	5	—				
TR200-5R-100-31.75-6T	B	100	31.75	50	13	8	5	FMB-31.75-SHIM				
★ TR200-6R-50-22-4T	A	50	22	50	10.4	6.3	6	—	RC□T 1204 MO	A-6R	A40100J / A35100J M4×10 / M3.5×10	T15F T15
★ TR200-6R-63-22-4T/5T	A	63	22	50	10.4	6.3	6	—				
TR200-6R-80-27-6T	A	80	27	50	12.4	7	6	—				
TR200-6R-100-32-6T	B	100	32	50	14.4	8	6	FMB-32-SHIM				
TR200-6R-50-25.4-4T	A	50	25.4	50	10	6	6	—				
TR200-6R-63-25.4-4T/5T	A	63	25.4	50	10	6	6	—				
TR200-6R-80-25.4-6T	A	80	25.4	50	10	6	6	—				
TR200-6R-100-31.75-6T	B	100	31.75	50	13	8	6	FMB-31.75-SHIM				
TR200-8R-63-22-3T	A	63	22	50	10.4	6.3	8	—	RC□T 1606 MO	A-8R	A50120J M5×12	T20F T20
★ TR200-8R-63-22-4T	A	63	22	50	10.4	6.3	8	—				
★ TR200-8R-80-27-5T	A	80	27	50	12.4	7	8	—				
TR200-8R-100-32-6T	B	100	32	50	14.4	8	8	FMB-32-SHIM				
TR200-8R-63-25.4-3T	A	63	25.4	50	10	6	8	—				
TR200-8R-63-25.4-4T	A	63	25.4	50	10	6	8	—				
TR200-8R-80-25.4-5T	A	80	25.4	50	10	6	8	—				
TR200-8R-100-31.75-6T	B	100	31.75	50	13	8	8	FMB-31.75-SHIM				

Inserts

Cat. No.	530	1025	2030	2040	3020	3040	4020	4030	4040	H10F	H13A	SM30	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	d1	S1	
RCHT10T3MO-PL	●	●																	10	4.0	3.97	SANDVIK
10T3MO-KL											●								10	4.0	3.97	
10T3MO-ML			●	●															10	4.0	3.97	
RCHT1204MO-PL	●	●																	12	4.0	4.76	
1204MO-KL											●								12	4.0	4.76	
1204MO-ML			●	●															12	4.0	4.76	
RCHT1606MO-PL	●	●																	16	5.5	6.35	
1606MO-KL											●								16	5.5	6.35	
1606MO-ML			●	●															16	5.5	6.35	
RCKT10T3MO-PM					●	●	●	●	●										10	4.0	3.97	SANDVIK
10T3MO-KM																			10	4.0	3.97	
10T3MO-WM	●									●		●							10	4.0	3.97	
10T3MO-MM			●	●															10	4.0	3.97	
RCKT1204MO-PM					●	●	●	●	●										12	4.0	4.76	
1204MO-KM																			12	4.0	4.76	
1204MO-WM	●									●		●							12	4.0	4.76	
1204MO-MM			●	●															12	4.0	4.76	
RCKT1606MO-PM					●	●	●	●	●										16	5.5	6.35	
1606MO-KM																			16	5.5	6.35	
1606MO-WM	●									●		●							16	5.5	6.35	
1606MO-MM			●	●															16	5.5	6.35	
RCKT10T3MO-DM																●★	●★		10	4.0	3.97	KOVES
1204MO-DR																●★	●★		12	4.0	4.76	
1606MO-DR																	●		16	5.5	6.35	
RCKT10T3MO-PH							●	●	●										10	4.0	3.97	SANDVIK
10T3MO-KH					●	●													10	4.0	3.97	
10T3MO-WH												●							10	4.0	3.97	
RCKT1204MO-PH							●	●	●										12	4.0	4.76	
1204MO-KH					●	●													12	4.0	4.76	
1204MO-WH												●							12	4.0	4.76	
RCKT1606MO-PH							●	●	●										16	5.5	6.35	
1606MO-KH					●	●													16	5.5	6.35	
1606MO-WH												●							16	5.5	6.35	

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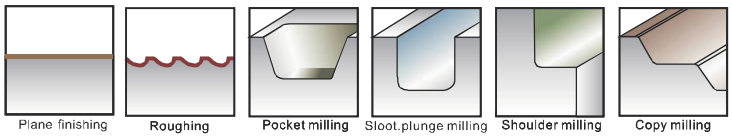
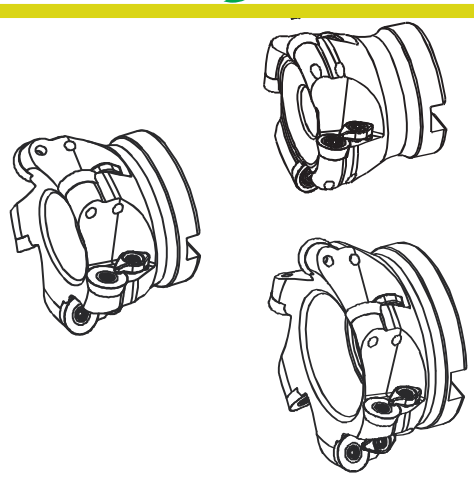
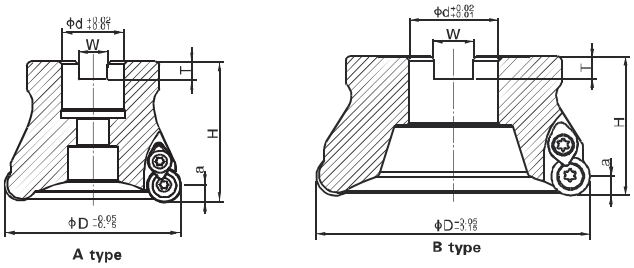
TRS round dowel face mill

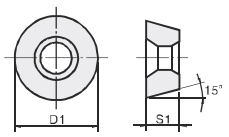
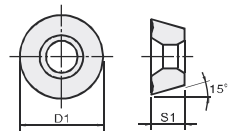
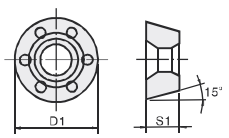






Stocked Items ★ / Cat. No		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp piece	Clamp screw	Wrench
★	TRS-5R-50-22-4T	A	50	22	50	10.4	6.3	5	—	RD□□ 10T3 MO	A-5R	A40090F M4×9 (日立專用) A40090G/A35100F M4×9/M3.5×10	T15F T15
★	TRS-5R-63-22-4T	A	63	22	50	10.4	6.3	5	—				
★	TRS-5R-63-22-5T	A	63	22	50	10.4	6.3	5	—				
	TRS-5R-80-27-6T	A	80	27	50	12.4	7	5	—				
	TRS-5R-100-32-6T	B	100	32	50	14.4	8	5	FMB-32-SHIM				
	TRS-5R-50-25.4-4T	A	50	25.4	50	10	6	5	—				
	TRS-5R-63-25.4-4T	A	63	25.4	50	10	6	5	—				
	TRS-5R-63-25.4-5T	A	63	25.4	50	10	6	5	—				
	TRS-5R-80-25.4-6T	A	80	25.4	50	10	6	5	—				
	TRS-5R-100-31.75-6T	B	100	31.75	50	13	8	5	FMB-31.75-SHIM				
★	TRS-6R-50-22-3T	A	50	22	50	10.4	6.3	6	—	RD□□ 1204 MO	A-6R	A40090G M4×9 A35100F M3.5×10	T15F T15
★	TRS-6R-50-22-4T	A	50	22	50	10.4	6.3	6	—				
★	TRS-6R-63-22-4T	A	63	22	50	10.4	6.3	6	—				
★	TRS-6R-63-22-5T	A	63	22	50	10.4	6.3	6	—				
	TRS-6R-80-27-6T	A	80	27	50	12.4	7	6	—				
	TRS-6R-100-32-6T	B	100	32	50	14.4	8	6	FMB-32-SHIM				
	TRS-6R-50-25.4-4T	A	50	25.4	50	10	6	6	—				
★	TRS-6R-63-25.4-4T	A	63	25.4	50	10	6	6	—				
	TRS-6R-63-25.4-5T	A	63	25.4	50	10	6	6	—				
	TRS-6R-80-25.4-6T	A	80	25.4	50	10	6	6	—				
	TRS-6R-100-31.75-6T	B	100	31.75	50	13	8	6	FMB-31.75-SHIM				
★	TRS-8R-63-22-4T	A	63	22	50	10.4	6.3	8	—	RD□□ 1604 MO	A-8R	A50115J M5×12	T20F T20
	TRS-8R-80-27-5T	A	80	27	50	12.4	7	8	—				
	TRS-8R-100-32-6T	B	100	32	50	14.4	8	8	—				
	TRS-8R-63-25.4-4T	A	63	25.4	50	10	6	8	FMB-31.75-SHIM				
	TRS-8R-80-25.4-5T	A	80	25.4	50	10	6	8	—				
	TRS-8R-100-31.75-6T	B	100	31.75	50	13	8	8	FMB-31.75-SHIM				

Inserts

Cat. No.	CY100H	CY15	CY25	CY150	CY250	GF30	TB6005	TB6020	TB6045	TB6060	WH10	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) L1	Size(mm) L2	
RDHW10T3MOTN				●	●	●			●									10	3.97	
1204MOTN				●	●	●			●									12	4.76	
1604MOTN				●	●	●			●									16	4.76	
RDMT10T3MOTN			●	●	●	●	●★	●	●	●								10	3.97	HITACHI
10T3MOEN	●										●							10	3.97	
1204MOTN				●	●★	●	●	●	●	●								12	4.76	
1204MOEN											●							12	4.76	
RDMX1604MOTN		●	●	●	●	●	●	●	●	●								16	4.76	
1604MOEN	●										●							16	4.76	
RDMW10T3MO															●	●		10	3.97	KOVES
1204MO															●★	●★		12	4.76	

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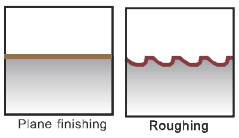
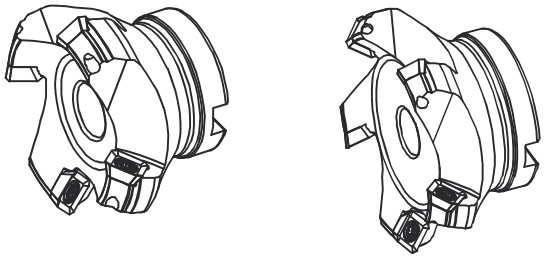
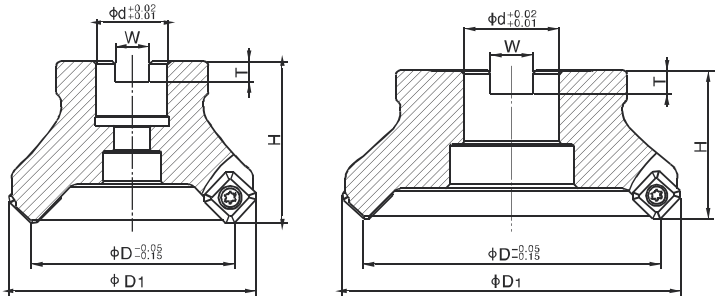
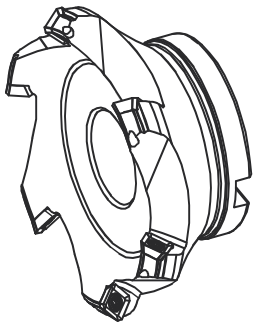
KM – 45° face mill



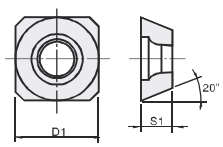


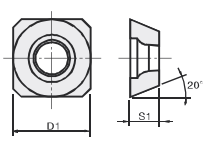




Stocked Items ★ / Cat. No		Manner	Size						Circular cushin	Applicable inserts	Clamp screw	Wrench
			D	D1	d	H	W	T				
	KM09-50-22-4T	A	50	64	22	50	10.4	6.3	—	SEEX09T3	A30070E M3x7	T8F T8
	KM09-63-22-4T	A	63	77	22	50	10.4	6.3	—			
★	KM12-50-22-4T	A	50	64	22	50	10.4	6.3	—	SEKT 1204	A50110D M5 x 11	T20F T20
★	KM12-63-22-4T	A	63	77	22	50	10.4	6.3	—			
★	KM12-80-27-5T	A	80	94	27	50	12.4	7	—			
★	KM12-100-32-5T	B	100	114	32	50	14.4	8	FMB-32-SHIM			
★	KM12-125-40-6T	B	125	139	40	63	16.4	9	FMB-40-SHIM			
★	KM12-160-40-9T	B	160	174	40	63	16.4	9	FMB-40-SHIM			
★	KM12-50-25.4-4T	A	50	64	25.4	50	10	6	—			
★	KM12-63-25.4-4T	A	63	77	25.4	50	10	6	—			
★	KM12-80-25.4-5T	A	80	94	25.4	50	10	6	—			
★	KM12-100-31.75-5T	B	100	114	31.75	50	13	8	FMB-31.75-SHIM			
★	KM12-125-38.1-6T	B	125	139	38.1	63	16.2	10	FMB-38.1-SHIM			
★	KM12-160-38.1-6T	B	160	174	38.1	63	16.2	10	FMB-38.1-SHIM			
★	KM12-200-38.1-9T	B	160	174	38.1	63	16.2	10	FMB-38.1-SHIM			

Inserts

Cat. No.	WAP 25	WAP 35	WTP 35	WXP 45	WPM	WXM 35	WAK 15	WAK 25	WKM	WK 10	NCM325	PC3535	PC9530	PC6510	PC230	CN30	H01	Insert shape	Size (mm) D1	Size (mm) S1	
SEHT1204AFN		●	●	●		●				●									12.7	4.76	WALTER
1204AFN-K88										●									12.7	4.76	
SEHW1204AFN	●	●	●		●	●	●	●	●										12.7	4.76	
SECA1204AFSN											●	●							12.7	4.76	KORLOY
1204AFTN													●		●	●			12.7	4.76	
1204AFFN														●					12.7	4.76	
1204AFEN											●								12.7	4.76	
SEHT1204AFFN-M																	●		12.7	4.76	

Cat. No.	H01	KW20	KC25	KP30	KC35	PTE 25	PFZ	MP91M	PMG	GH1	SK10	Insert shape	Size(mm) D1	Size(mm) S1	
SEKT09T3AFSN				●	●								12.7	4.76	KOVES
SEHT1204AFSN				●★	●★								12.7	4.76	
1204AFSN-M(43)	●★												12.7	4.76	
SEHW1204AFTN			●★												
SEET1204AFSN-M01						●			●				12.7	4.76	STELLRAM
1204AFFN-F01							●	●		●			12.7	4.76	
SEHT1204AF4B													12.7	4.76	
1204AFFN													12.7	4.76	
SEHW1204AFN											●		12.7	4.76	

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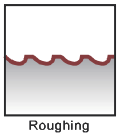
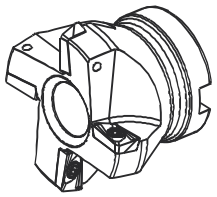
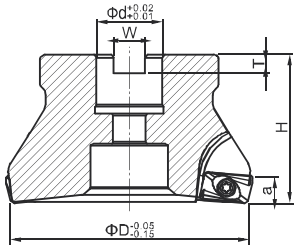
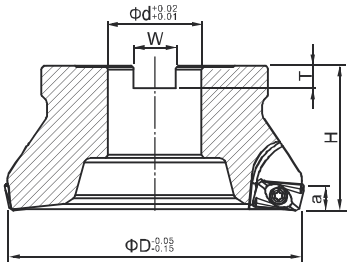
RAP – 75° face mill


Roughing

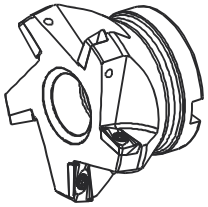


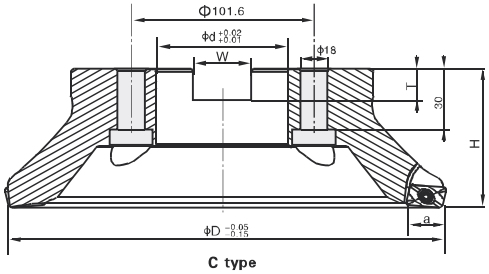


A type

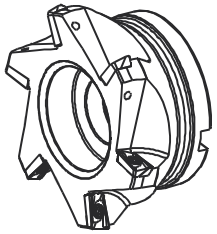


B type



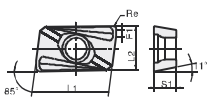


C type



Stocked Items ★ / Cat. No		Manner	Size D	d	H	W	T	a	Circular cushin	Applicable inserts	Clamp screw	Wrench
★	RAP400R-63-22-4T	A	63	22	50	10.4	6.3	8	—	APMT 1604 PDER	A40100J M4×10	T15F T15
★	RAP400R-80-27-5T	A	80	27	50	12.4	7	8	—			
★	RAP400R-100-32-6T	B	100	32	50	14.4	8	8	FMB-32-SHIM			
★	RAP400R-125-40-6T	B	125	40	63	16.4	9	8	FMB-40-SHIM			
	RAP400R-160-40-6T	B	160	40	63	16.4	9	8	FMB-40-SHIM			
	RAP400R-200-60-9T	C	200	60	63	25.7	14	8	—			
	RAP400R-63-25.4-4T	A	63	25.4	50	10	6	8	—			
	RAP400R-80-25.4-5T	A	80	25.4	50	10	6	8	—			
	RAP400R-100-31.75-6T	B	100	31.75	50	13	8	8	FMB-31.75-SHIM			

Inserts

Cat. No.	F7030	F620	VP15TF	UP20M	NX2525	NX4545	UTi20T	HT110	NCM325	PC3535	PC3545	PC3530	PC6510	PD2000	H01	H01	KW20	KC25	KP30	KC35	Insert shape	Size (mm) L1	L2	S1	F1	Re	
APMT1604PDER-H1	●		●				●															16.5	9.525	4.76	1.7	0.4	MITSUBISHI
1604PDER-H2	●	●	●★	●	●	●★	●	●														16.5	9.525	4.76	1.7	0.8	
1604PDER-H4	●						●															16.5	9.525	4.76	1.7	1.6	
1604PDER-H6	●						●															16.5	9.525	4.76	1.7	2.4	
1604PDER-H8	●						●															16.5	9.525	4.76	1.7	3.2	
APMT1604PDER-M2	●	●	●			●																16.5	9.525	4.76	1.7	0.8	
APGT1604PFDR-G2	●							●														16.5	9.525	4.76	1.7	0.8	
APKT1604PDSR									●	●	●	●	●									16.4	9.525	4.76	—	0.8	KORLOY
1604PDFR-MA														●	●							16.4	9.525	4.76	—	0.8	
APMT1604PDER-MA2																			●★			16.5	9.525	4.76	1.7	0.8	KOVES
1604PDER-H2																			●			16.5	9.525	4.76	1.7	0.8	

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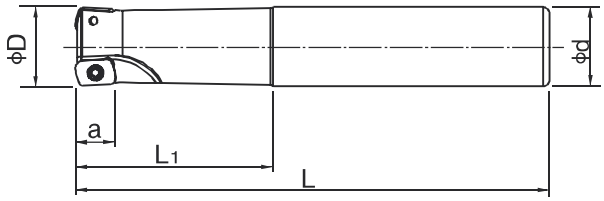
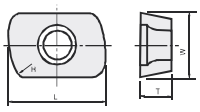
ASR high feedrate end mill



Stocked Items ★ / Cat. No	No.of flutes	Size D	Size d	Size L	Size L1	Applicable inserts	Clamp screw	Clamp screw
★ ASR2016x120–C16–2T	2	16	16	120	40			
★ ASR2017x120–C16–2T	2	17	16	120	27			
★ ASR2016x160–C16–2T	2	16	16	160	50			
★ ASR2017x160–C16–2T	2	17	16	160	27			
★ ASR2020x120–C20–2T	2	20	20	120	50			
★ ASR2020x160–C20–2T	2	20	20	160	50			
★ ASR2021x160–C20–2T	2	21	20	160	27			
★ ASR2025x160–C25–3T	3	25	25	160	60	EPNW0603TN–8	A25060G	T8F
ASR2025x200–C25–3T	3	25	25	200	70	EPMT0603TN–8	M2.5x6	T8
ASR2026x200–C25–3T	3	26	25	200	50			
★ ASR2032x160–C32–4T	4	32	32	160	70			
ASR2033x160–C32–4T	4	33	32	160	60			
ASR2032x200–C32–4T	4	32	32	200	115			
★ ASR2033x200–C32–4T	4	33	32	200	70			
ASR2035x200–C32–4T	4	35	32	200	50			
★ ASR2040x160–C32–4T	4	40	32	160	50			
★ ASR2040x200–C32–4T	4	40	32	200	50			

Inserts

Cat. No.	JX8045	GX2030	JX1005	JX1015	JX1020	JX1045	JX1060	Insert shape	Size(mm) R	L	T	W		
EPNW0603TN-8	●★	●	●★	●	●	●	●		8	10	3.18	6.35		HITACHI
EPMT0603TN-8	●★	●	●★	●	●	●	●		8	10	3.18	6.35		

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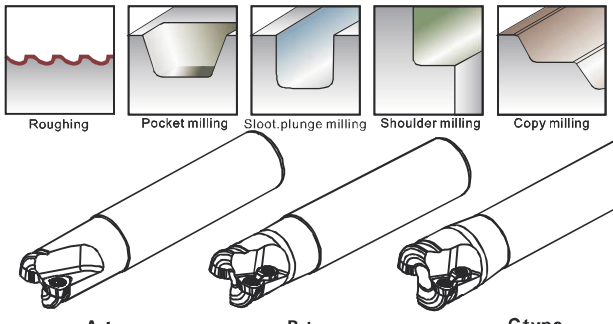
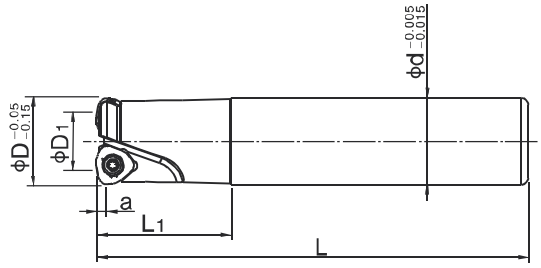
AJX high feedrate end mill

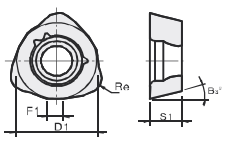




A type B type Ctype

Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	D1	d	L	L1	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
AJX06-16x120	2	A	16	8.9	16	120	40	1	JOMT06T215ZZSR	——	A25065G M2.5x6	T8F T8
AJX06-16x160	2	A	16	9.9	16	160	40	1				
AJX06-17x160-C16	2	A	17	9.9	16	160	40	1				
AJX08-20x120	2	A	20	11.4	20	120	40	1.5	JOMT080320ZZSR	——	A30070G M3x7	T10F T10
AJX08-20x160	2	A	20	11.4	20	160	50	1.5				
AJX08-20x200	2	A	20	11.4	20	200	50	1.5				
AJX08-21x160-C20	2	A	21	12.4	20	160	50	1.5				
AJX08-21x200-C20	2	A	21	12.4	20	200	50	1.5				
AJX09-25x160	2	A	25	14.9	25	160	60	2	JDMT09T320ZSR	CSY-15	A35085J M3.5x8.5 A40100J M4x10	T15F T15
AJX09-25x200	2	A	25	14.9	25	200	120	2				
AJX09-26x160-C25	2	A	26	15.9	25	160	50	2				
AJX09-26x200-C25	2	A	26	15.9	25	200	50	2				
★ AJX12R×32×160	2	B	32	20.3	32	160	60	2	JDMT120420ZDSR	AMS-4	A40100J M4x10	T15F T15
★ AJX12R×32×200	2	B	32	20.3	32	200	80	2				
AJX12R×32×250	2	B	32	20.3	32	250	135	2				
AJX12R×32×300	2	B	32	20.3	32	300	160	2				
★ AJX12R×33×160-C32	2	B	33	21.3	32	160	50	2				
★ AJX12R×33×200-C32	2	B	33	21.3	32	200	50	2				
AJX12R×33×250-C32	2	B	33	21.3	32	250	60	2				
AJX12R×33×300-C32	2	B	33	21.3	32	300	60	2				
★ AJX12R×35×160-C32	2	C	35	23.3	32	160	50	2				
★ AJX12R×35×200-C32	2	C	35	23.3	32	200	50	2				
AJX12R×35×250-C32	2	C	35	23.3	32	250	60	2				
AJX12R×35×300-C32	2	C	35	23.3	32	300	60	2				
★ AJX12R×40×160-C32	3	C	40	28.3	32	160	50	2				
★ AJX12R×40×200-C32	3	C	40	28.3	32	200	50	2				
AJX12R×40×250-C32	3	C	40	28.3	32	250	60	2				
AJX12R×40×300-C32	3	C	40	28.3	32	300	60	2				
AJX12R×40×350-C32	3	C	40	28.3	32	350	60	2				
AJX12R×40×350-C42	3	C	40	28.3	42	350	80	2				

Inserts

Cat. No.	FH7020	VP15TF	VP30RT	Insert shape	Size(mm) B3°	D1	S1	F1	Re	
JOMW06T215ZZSR-FT	●	●	●		13	6.35	2.78	1.2	1.5	MITSUBISHI
080320ZZSR-FT	●	●	●		13	8	3.18	1.4	2	
JDMW09T320ZDSR-FT	●	●	●		15	9.525	3.97	1.8	2	
120420ZDSR-FT	●	●★	●		15	12	4.76	5	2	
JOMT06T215ZZSR-JM	●	●	●		13	6.35	2.78	1.2	1.5	
080320ZZSR-JM	●	●	●		13	8	3.18	1.4	2	
JDMT09T320ZDSR-JM	●	●	●		15	9.525	3.97	1.8	2	
120420ZDSR-ST	●	●	●		15	12	4.76	5	2	
120420ZDSR-JM	●	●	●		15	12	4.76	5	2	

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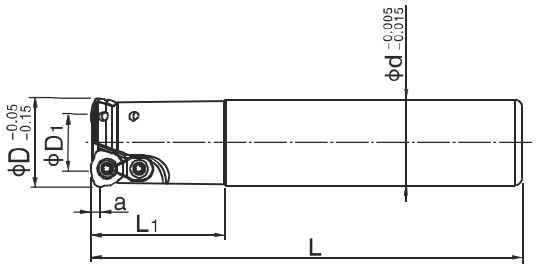
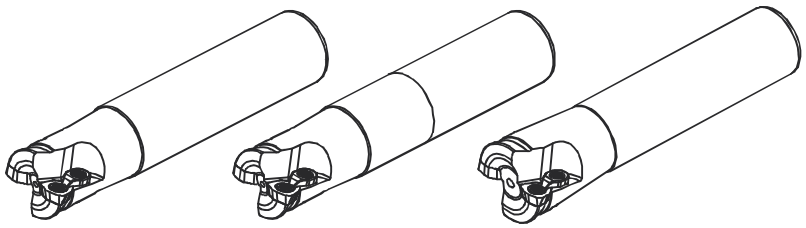
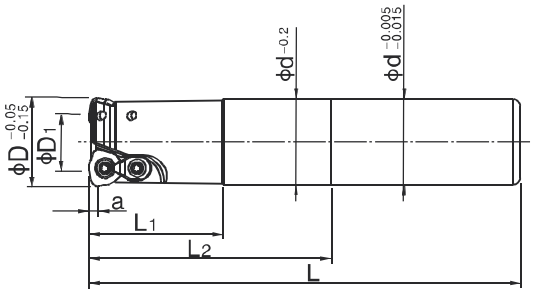
EXP high feedrate end mill



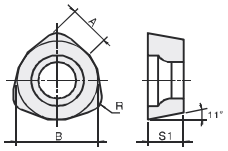


A type B type C type



Stocked Items ★ \ Cat. No	No.of flutes	Manner	Size D	d	D1	L	L1	L2	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
EXP05–20×120	2	A	20	20	12.4	120	40	—	1.5	WPMW05 H315ZPR	——	A35080F M3.5×8	T15F T15
EXP05–20×160	2	A	20	20	12.4	160	50	—	1.5				
EXP05–20×200	2	B	20	20	12.4	200	50	100	1.5				
EXP05–21×120–C20	2	A	21	20	13.4	120	50	—	1.5				
EXP05–21×160–C20	2	A	21	20	13.4	160	50	—	1.5				
EXP05–21×200–C20	2	A	21	20	13.4	200	50	—	1.5				
EXP06–25×160	2	A	25	25	16.4	160	60	—	1.5	WPMW06 X415ZPR	CSY–15	A40100J M4×10	
EXP06–25×160–C24	2	A	25	25	16.4	160	50	—	1.5				
EXP06–25×200	2	A	25	25	16.4	200	75	—	1.5				
EXP06–26×200–C25	2	A	26	25	17.4	200	60	—	1.5				
EXP06–32×160	3	A	32	32	23.4	160	75	—	1.5				
EXP06–32×200	3	A	32	32	23.4	200	115	—	1.5				
EXP06–32×250	3	A	32	32	23.4	250	115	—	1.5				
EXP06–33×160–C32	3	A	33	32	24.4	160	80	—	1.5				
EXP06–33×200–C32	3	A	33	32	24.4	200	120	—	1.5				
EXP06–33×250–C32	3	A	33	32	24.4	250	120	—	1.5				
EXP06–40×200–C32	3	C	40	32	31.4	200	60	—	1.5				
EXP06–40×250–C32	3	C	40	32	31.4	250	60	—	1.5				
EXP06–40×300–C32	3	C	40	32	31.4	300	60	—	1.5				
EXP06–40×300–C42	3	C	40	42	31.4	300	60	—	1.5				

Inserts

Cat. No.	AH120	AH140	T3030	T1015	Insert shape	Size (mm) A	B	S1	R	
WPMW05H315ZPR	●	●	●	●		5	7.94	3.5	1.5	Tungaloy
WPMT05H315ZPR-ML	●	●	●			5	7.94	3.5	1.5	
05H315ZPR-MH	●	●				5	7.94	3.5	1.5	
WPMW06X415ZPR	●	●	●	●		6	9.525	4.2	1.5	
WPMT06X415ZPR-ML	●	●	●			6	9.525	4.2	1.5	
06X415ZPR-MH	●	●				6	9.525	4.2	1.5	

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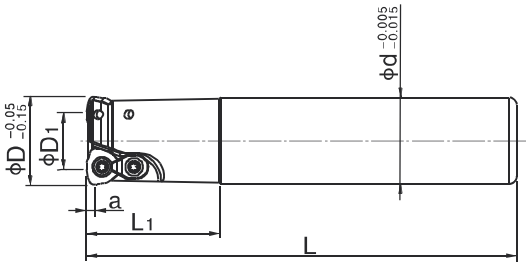
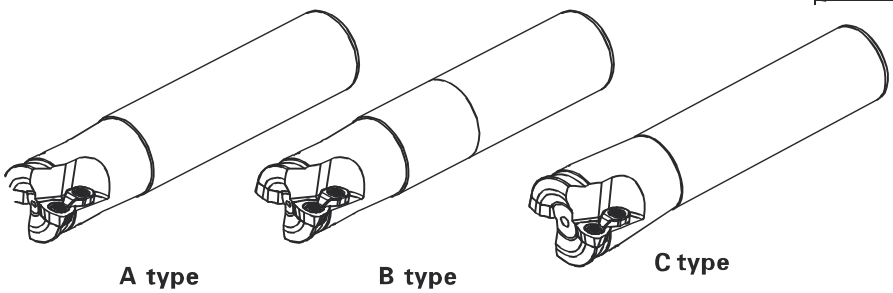
SKS high feedrate end mill

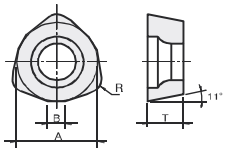




A type B type C type

Cat. No	No.of flutes	Manner	Size						Applicable inserts	Clamp piece	Clamp screw	Wrench
			D	d	L	L_1	L_2	a				
SKS05–20x130	2	A	20	20	130	50	—	1.25	WDMW050316ZTR WDHW050316ZTR	——	A30070G M3x7	T10F T10
SKS05–20x180	2	A	20	20	180	100	—	1.25				
SKS05–21x130–C20	2	A	21	20	130	50	—	1.25				
SKS05–21x180–C20	2	A	21	20	180	50	—	1.25				
SKS06–25x140	2	A	25	25	140	60	—	1.5	WDMW06T320ZTR WDHW060320ZTR	AMS–4	A40090F M4x9	T15F T15
SKS06–25x200	2	A	25	25	200	120	—	1.5				
SKS06–26x140–C25	2	A	26	25	140	60	—	1.5				
SKS06–26x200–C25	2	B	26	25	200	60	—	1.5				
SKS06–30x150–C32	2	A	30	32	150	70	—	1.5				
SKS06–30x200–C32	2	B	30	32	200	120	100	1.5				
SKS06–32x150	3	A	32	32	150	70	—	1.5				
SKS06–32x200	3	B	32	32	200	120	100	1.5				
SKS06–33x150–C32	2	A	33	32	150	70	—	1.5				
SKS06–33x200–C32	2	B	33	32	200	70	—	1.5				
SKS06–33x150–C32	3	A	33	32	150	70	—	1.5				
SKS06–33x200–C32	3	B	33	32	200	70	—	1.5				
SKS08–32x150	2	A	32	32	150	70	—	2	WDMW080520ZTR WDMT080520ZER WDHW080520ZTR	CSY20	A45105F M4.5x10.5 A50110D M5x11	T20F T20
SKS08–32x200	2	B	32	32	200	120	100	2				
SKS08–40x150–C32	3	C	40	32	150	50	—	2				
SKS08–40x200–C32	3	C	40	32	200	50	—	2				
SKS08–50x150–C32	3	C	50	32	150	50	—	2				
SKS08–50x150–C42	3	C	50	42	150	50	—	2				
SKS08–50x250–C42	3	C	50	42	250	50	—	2				

Inserts

Cat. No.	JC5015	JC5040	JC600	JC730U	JC8015	Insert shape	Size (mm) A	B	T	R	
WDMW050316ZTR	●	●			●		8	1.0	3.2	1.6	DIJET
06T320ZTR	●	●			●		10	1.2	3.97	2	
080520ZTR	●	●			●		13	1.5	5.5	2	
WDMT080520ZER			●	●			13	1.5	5.5	2	
WDHW050316ZTR	●	●					8	1.0	3.2	1.6	
060320ZTR	●	●					10	1.2	3.97	2	
080520ZTR	●	●					13	1.5	5.5	2	

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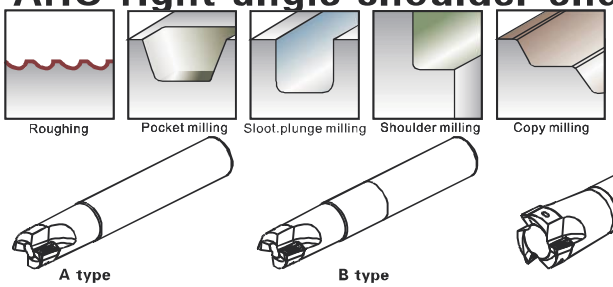
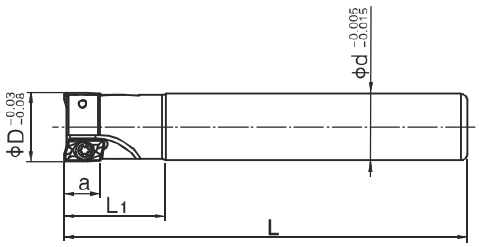
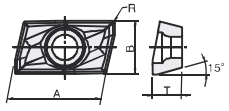
AHU right angle shoulder end mill





Stocked Items★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
★ AHU-1012×120	1	A	12	12	120	30	—	9	JDMT 1003□□ R	A25050G M2.5×5	T8F T8
★ AHU-1012×150	1	A	12	12	150	30	—	9			
★ AHU-1013×120-C12	1	A	13	12	120	30	—	9			
AHU-1013×150-C12	1	A	13	12	150	36	—	9			
★ AHU-1016×120	2	A	16	16	120	40	—	9		A25060G M2.5×6	
AHU-1016×120-C15	2	A	16	15	120	40	—	9			
★ AHU-1016×160	2	A	16	16	160	40	—	9			
AHU-1016×160-C15	2	A	16	15	160	40	—	9			
AHU-1016×160-C15.6	2	A	16	15.6	160	40	—	9			
AHU-1016×180	2	B	16	16	180	40	90	9			
AHU-1016×180-C15	2	A	16	15	180	40	—	9			
★ AHU-1016×200	2	B	16	16	200	40	100	9			
AHU-1017×120-C16	2	A	17	16	120	40	—	9			
★ AHU-1017×160-C16	2	A	17	16	160	40	—	9			
★ AHU-1017×200-C16	2	A	17	16	200	40	—	9			
★ AHU-1020×120	2/3	A	20	20	120	40	—	9			
★ AHU-1020×160	2/3	A	20	20	160	50	—	9			
AHU-1020×160-C19	2/3	A	20	19	160	50	—	9			
★ AHU-1020×200	2/3	B	20	20	200	50	100	9			
AHU-1020×200-C19	2/3	A	20	19	200	50	—	9			
★ AHU-1021×160-C20	2/3	A	21	20	160	40	—	9			
★ AHU-1021×200-C20	2/3	A	21	20	200	50	—	9			
★ AHU-1025×160	3	A	25	25	160	50	—	9			
★ AHU-1025×200	3	A	25	25	200	75	—	9			
AHU-1025×160-C24	3	A	25	24	160	50	—	9			
AHU-1026×160-C25	3	A	26	25	160	50	—	9			
AHU-1030×160-C25	3	C	30	25	160	50	—	9			
AHU-1030×200-C25	3	C	30	25	200	50	—	9			
AHU-1030×250-C25	3	C	30	25	250	50	—	9			
★ AHU-1525×160	2	A	25	25	160	50	—	14	JDMT 1505□□ R	A40090G M4×9	T15F T15
AHU-1525×160-C24	2	A	25	24	160	50	—	14			
★ AHU-1525×200	2	A	25	25	200	75	—	14			
AHU-1525×200-C24	2	A	25	24	200	50	—	14			
AHU-1526×160-C25	2	A	26	25	160	50	—	14			
AHU-1526×200-C25	2	A	26	25	200	50	—	14			
★ AHU-1532×160-C25	2/3	C	32	25	160	50	—	14			
AHU-1532×200-C25	2/3	C	32	25	200	50	—	14			
★ AHU-1532×160	2/3	A	32	32	160	50	—	14			
★ AHU-1532×200	2/3	A	32	32	200	80	—	14			
AHU-1532×250-C25	2/3	C	32	25	250	50	—	14			
★ AHU-1532×250	2/3	B	32	32	250	60	115	14			
AHU-1532×300	2/3	B	30	32	300	60	165	14			
★ AHU-1535×200-C32	3	C	35	32	200	50	—	14			
★ AHU-1535×250-C32	3	C	35	32	250	60	—	14			
★ AHU-1535×300-C32	3	C	35	32	300	60	—	14			
AHU-1535×350-C32	3	C	35	32	350	60	—	14			
AHU-1540×200-C32	3/4	C	40	32	200	50	—	14	JDMT 1505□□ R	A40100J M4×10	
AHU-1540×250-C32	3/4	C	40	32	250	60	—	14			
AHU-1540×300-C32	3/4	C	40	32	300	60	—	14			
AHU-1540×350-C32	3/4	C	40	32	350	60	—	14			

Inserts

Cat. No.	SH8020	PTH30E	TB6045	PTH40H	PTH13S	Insert shape	Size (mm) A	B	T	R	
JDMT100308R-FW	●★	●					11	6.1	3.5	0.8	HITACHI
JDMT100304R	●	●★	●		●★		11	6.1	3.5	0.4	
JDMT100308R	●	●★	●	●	●★		11	6.1	3.5	0.8	
JDMT100320R	●	●★					11	6.1	3.5	2.0	
JDMT150504R	●	●	●		●		16	9.12	5	0.4	
JDMT150508R	●	●★	●	●	●★		16	9.12	5	0.8	
JDMT150520R	●	●★					16	9.12	5	2.0	
JDMT150530R	●	●★		●			16	9.12	5	3.0	

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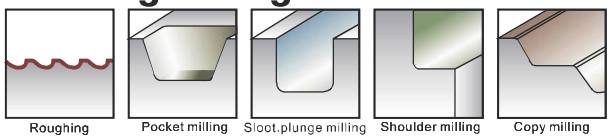
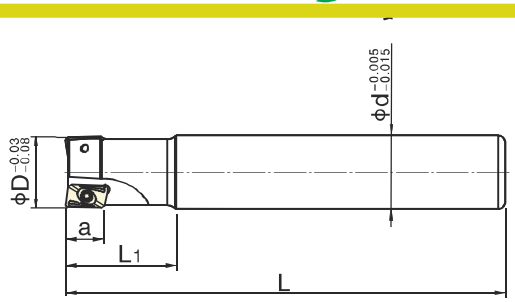
BAP right angle shoulder end mill





Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
★ BAP300R-10×120	1	A	10	10	120	30	—	9	APMT 1135 PDER	A25050G M2.5×5	
★ BAP300R-12×100	1	A	12	12	100	30		9			
★ BAP300R-12×120	1	A	12	12	120	30	—	9			
★ BAP300R-12×130	1	A	12	12	130	36		9			
★ BAP300R-12×150	1	A	12	12	150	36	—	9			
★ BAP300R-13×120-C12	1	A	13	12	120	30	—	9			
BAP300R-13×150-C12	1	A	13	12	150	36	—	9			
★ BAP300R-16×120	2	A	16	16	120	40	—	9	APMT 1135 PDER	A25065G M2.5×6.5	T8F T8
★ BAP300R-16×160	2	A	16	16	160	40	—	9			
BAP300R-16×160-C15.6	2	A	16	15.6	160	40	—	9			
★ BAP300R-16×180	2	B	16	16	180	40	90	9			
★ BAP300R-16×180-C15	2	A	16	15	180	40	—	9			
★ BAP300R-16×200	2	B	16	16	200	40	100	9			
BAP300R-16×160-C15	2	A	16	15	160	40	—	9			
★ BAP300R-17×160-C16	2	A	17	16	160	40	—	9			
★ BAP300R-17×200-C16	2	A	17	16	200	40	—	9			
★ BAP300R-20×120	2/3	A	20	20	120	40	—	9			
★ BAP300R-20×160	2/3	A	20	20	160	50	—	9			
BAP300R-20×160-C19	2/3	A	20	19	160	50	—	9			
★ BAP300R-20×180	2/3	B	20	20	180	50	90	9			
BAP300R-20×180-C19	2/3	A	20	20	180	45	—	9			
★ BAP300R-20×200	2/3	B	20	20	200	50	100	9			
★ BAP300R-20×200-C19	2/3	A	20	19	200	50	—	9			
★ BAP300R-21×160-C20	2/3	A	21	20	160	40	—	9			
BAP300R-21×180-C20	2/3	A	21	20	180	50	—	9			
★ BAP300R-21×200-C20	2/3	A	21	20	200	50	—	9			
★ BAP300R-25×160	3	A	25	25	160	50	—	9			
BAP300R-25×160-C24	3	A	25	24	160	50	—	9			
★ BAP300R-25×200	3	A	25	25	200	75	—	9			
BAP300R-25×200-C24	3	A	25	24	200	50	—	9			
BAP300R-26×160-C25	3	A	26	25	160	40	—	9			
BAP300R-26×200-C25	3	A	26	25	200	50	—	9			
★ BAP300R-30×160-C25	3	C	30	25	160	50	—	9			
BAP300R-30×200-C25	3	C	30	25	200	50	—	9			
BAP300R-30×250-C25	3	C	30	25	250	50	—	9			
BAP300R-30×300-C25	3	C	30	25	300	50	—	9			
★ BAP400R-25×160	2	A	25	25	160	50	—	14	APMT 1604 PDER	A40090G M4×9	T15F T15
★ BAP400R-25×160-C24	2	A	25	24	160	50	—	14			
★ BAP400R-25×200	2	A	25	25	200	75	—	14			
★ BAP400R-25×200-C24	2	A	25	24	200	50	—	14			
★ BAP400R-25×250	2	B	25	25	250	50	115	14			
★ BAP400R-25×250-C24	2	A	25	24	250	50	—	14			
BAP400R-25×300	2	B	25	25	300	60	165	14			
★ BAP400R-26×160-C25	2	A	26	25	160	50	—	14			
BAP400R-26×200-C25	2	A	26	25	200	50	—	14			
BAP400R-26×250	2	A	26	25	250	50	—	14			
★ BAP400R-32×160-C25	2/3	C	32	25	160	50	—	14			
★ BAP400R-32×200-C25	2/3	C	32	25	200	50	—	14			
★ BAP400R-32×200	2/3	A	32	32	200	80	—	14			
BAP400R-32×250-C25	2/3	C	32	25	250	60	—	14			
BAP400R-32×250	2/3	B	32	32	250	60	115	14			
BAP400R-32×300	2/3	B	32	32	300	60	165	14			
BAP400R-32×350	2/3	B	32	32	350	60	165	14			
★ BAP400R-35×160-C32	3	C	35	32	160	50	—	14			
★ BAP400R-35×200-C32	3	C	35	32	200	50	—	14			
★ BAP400R-35×250-C32	3	C	35	32	250	60	—	14			
★ BAP400R-35×300-C32	3	C	35	32	300	60	—	14			
★ BAP400R-35×350-C32	3	C	35	32	350	60	—	14			

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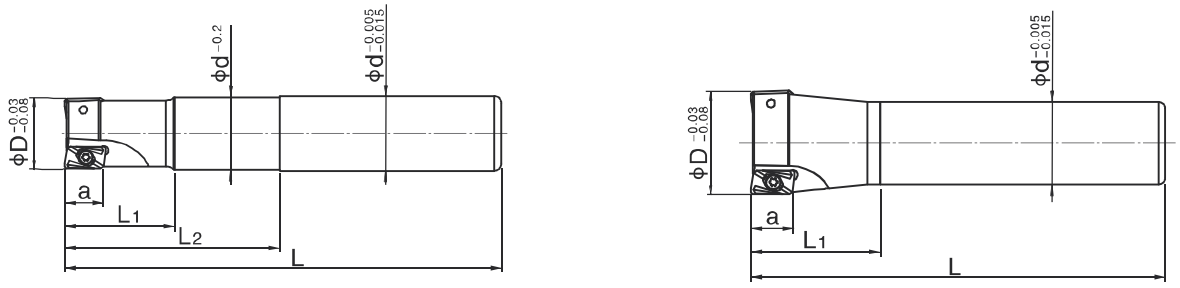
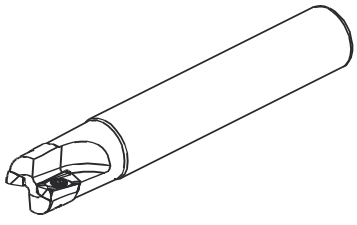


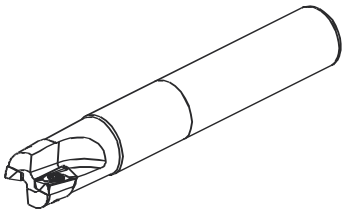
Stocked Items / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
★ BAP400R-40×160-C32	3	C	40	32	160	50	—	14	APMT 1604 PDER	A40090G M4×9	T15F T15
★ BAP400R-40×200-C32	3	C	40	32	200	50	—	14			
★ BAP400R-40×250-C32	3	C	40	32	250	60	—	14			
BAP400R-40×300-C32	3	C	40	32	300	60	—	14			
BAP400R-40×350-C32	3	C	40	32	350	60	—	14			

Inserts

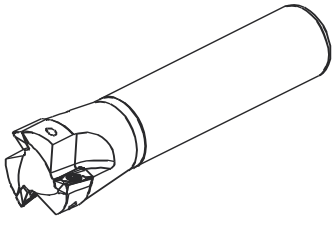
Cat. No.	F7030	F620	VP15TF	UP20M	NX2525	NX4545	UTI20T	HTI10	NCM325	PC3535	PC3545	PC3530	PC6510	PD2000	H01	KW20	H102	KC25	KP30	KC35	Insert shape	L1	L2	S1	F1	Re	
APMT1135PDER-H1	●	●	●★	●	●	●	●	●														11	6.35	3.5	1.5	0.4	MITSUBISHI
1135PDER-H2	●	●	●★	●	●	●	●	●														11	6.35	3.5	1.2	0.8	
1135PDER-H3	●	●		●			●															11	6.35	3.5	0.8	1.2	
1135PDER-H4	●	●		●			●															11	6.35	3.5	0.4	1.6	
1135PDER-H6	●	●		●			●															11	6.35	3.5	0.4	2.4	
APMT1135PDER-M0	●																					11	6.35	3.5	1.8	0.2	
1135PDER-M1	●																					11	6.35	3.5	1.5	0.4	
1135PDER-M2	●	●	●★			●																11	6.35	3.5	1.2	0.8	
APGT1135PFDR-G2								●														11	6.35	3.5	1.2	0.8	
APMT1604PDER-H1	●		●				●															16.5	9.525	4.76	1.7	0.4	
1604PDER-H2	●	●	●★	●	●	●★	●	●														16.5	9.525	4.76	1.7	0.8	
1604PDER-H4	●						●															16.5	9.525	4.76	1.7	1.6	
1604PDER-H6	●						●															16.5	9.525	4.76	1.7	2.4	
1604PDER-H8	●						●															16.5	9.525	4.76	1.7	3.2	
APMT1604PDER-M2	●	●	●★			●																16.5	9.525	4.76	1.7	0.8	
APGT1604PFDR-G2	●							●														16.5	9.525	4.76	1.7	0.8	
APKT1604PDSR									●	●	●	●	●									16.4	9.525	4.76	—	0.8	KORLOY
1604PDFR-MA														●	●							16.4	9.525	4.76	—	0.8	
APKT160402-MA																●★	●					16.4	9.525	4.76	—	0.2	KOVES
APMT1135PDER-MA2																			●★			11	6.35	3.5	1.2	0.8	
APMT1604PDER-MA2																			●★			16.5	9.525	4.76	1.7	0.8	
APKT1604PDER-HA2																	●					17.877	9.33	5.76	—	0.8	
APKT1604PDER-MA2																	●★					16.5	9.525	4.76	1.4	0.8	



A type



B type



C type

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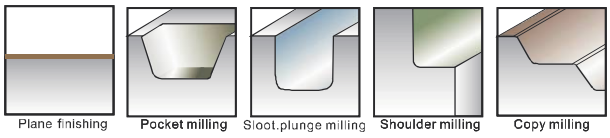
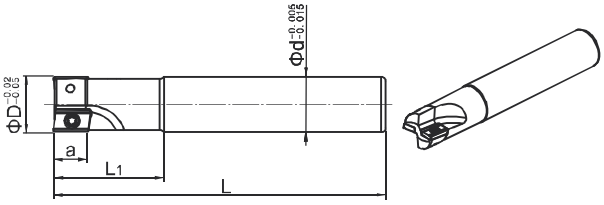
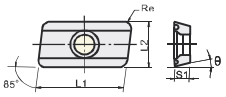
UEX right angle shoulder end mill





Stocked Items★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
★ UEX12-16x120	1	A	16	16	120	40	—	12	APET1202□□□R APEW120204SR APNT120208□R	A35080F M3.5x8	T15F T15
★ UEX12-16x160	1	A	16	16	160	50	—	12			
UEX12-16x180	1	B	16	16	180	40	90	12			
UEX12-16x200	1	B	16	16	200	40	100	12			
★ UEX12-17x160-C16	1	A	17	16	160	40	—	12			
UEX12-17x200-C16	1	A	17	16	200	40	—	12			
★ UEX12-20x120	2	A	20	20	120	40	—	12			
★ UEX12-20x160	2	A	20	20	160	50	—	12			
UEX12-20x180	2	B	20	20	180	50	90	12			
UEX12-20x180-C19	2	A	20	19	180	45	—	12			
★ UEX12-20x200	2	B	20	20	200	50	100	12			
★ UEX12-21x160-C20	2	A	21	20	160	40	—	12			
UEX12-21x180-C20	2	A	21	21	180	45	—	12			
UEX12-21x200-C20	2	A	21	20	200	50	—	12			
★ UEX16-25x160	2	A	25	25	160	50	—	15	ADET16030□□R ADEW160308SR ADNT160308□R	M4x7.5	T15F T15
UEX16-25x160-C24	2	A	25	24	160	50	—	15			
★ UEX16-25x200	2	A	25	25	200	75	—	15			
UEX16-25x200-C24	2	A	25	24	200	50	—	15			
UEX16-25x250-C24	2	A	25	24	250	60	—	15			
UEX16-25x250	2	B	25	25	250	60	115	15			
★ UEX16-26x200-C25	2	A	26	25	200	50	—	15			
UEX16-26x250-C25	2	A	26	25	250	50	—	15			
UEX16-32x200-C25	2/3	C	32	25	200	50	—	15			
UEX16-32x200-C32	2/3	A	32	32	200	80	—	15			
UEX16-32x250-C25	2/3	C	32	25	250	60	—	15			
UEX16-32x250-C32	2/3	B	32	32	250	60	115	15			
UEX16-32x300-C32	2/3	B	32	32	300	60	165	15			
UEX16-32x350-C32	2/3	B	32	32	350	60	165	15			
UEX16-35x200-C32	3	C	35	32	200	50	—	15			
UEX16-35x250-C32	3	C	35	32	250	60	—	15			
UEX16-35x300-C32	3	C	35	32	300	60	—	15			
UEX16-35x350-C32	3	C	35	32	350	60	—	15			
UEX16-40x200-C32	3	C	40	32	200	50	—	15			
UEX16-40x250-C32	3	C	40	32	250	60	—	15			
UEX16-40x300-C32	3	C	40	32	300	60	—	15			
UEX16-40x350-C32	3	C	40	32	350	60	—	15			

Inserts

Cat. No.	CY100H	HC844	CH550	EX35	WH10	Insert shape	Size (mm) L1	L2	S1	θ	R	
APET120202SR		●	●				12.7	7.938	2.5	11	0.2	HITACHI
120202ER							12.7	7.938	2.5	11	0.2	
120202FR					●		12.7	7.938	2.5	11	0.2	
APET120204SR		●	●	●			12.7	7.938	2.5	11	0.4	
120204ER					●		12.7	7.938	2.5	11	0.4	
APET120208SR		●	●	●			12.7	7.938	2.5	11	0.8	
120208ER					●		12.7	7.938	2.5	11	0.8	
APEW120204SR							12.7	7.938	2.5	11	0.4	
APNT120208SR		●	●	●			12.7	7.938	2.5	11	0.8	
120208ER					●		12.7	7.938	2.5	11	0.8	
ADET160302SR		●	●				15.875	9.525	3.18	15	0.2	
160302ER							15.875	9.525	3.18	15	0.2	
160302FR					●		15.875	9.525	3.18	15	0.2	
ADET160304SR		●	●				15.875	9.525	3.18	15	0.4	
160304ER					●		15.875	9.525	3.18	15	0.4	
ADET160308SR		●	●	●			15.875	9.525	3.18	15	0.8	
160308ER	●				●		15.875	9.525	3.18	15	0.8	
ADEW160308SR							15.875	9.525	3.18	15	0.8	
ADNT160308SR		●	●	●			15.875	9.525	3.18	15	0.8	
160308ER	●				●		15.875	9.525	3.18	15	0.8	

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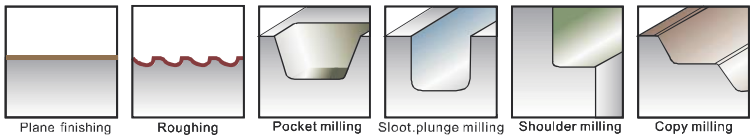
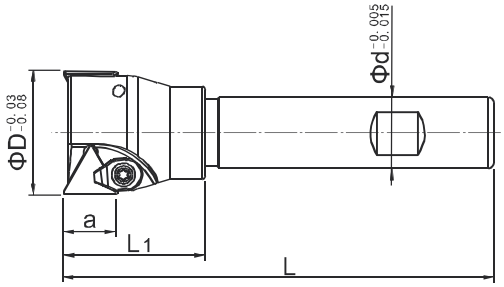
TP Shoulder face mill





Cat. No / Stocked Items ★		No.of flutes	Size D	d	L	L1	a	Applicable inserts	Clamp piece	Clamp screw	Clamp screw
★	TP16-30x100-C20	2	30	20	100	45	14	TPMN1603 TPKN1603	AMS-4	A40100J M4x10	T15
★	TP16-35x100-C20	2	35	20	100	45	14				
	TP16-35x105-C25	2	35	25	105	45	14				
★	TP16-35x110-C32	2	35	32	110	45	14				
★	TP16-40x110-C20	3	40	20	110	45	14				
★	TP16-40x110-C25	3	40	25	110	45	14				
★	TP16-40x115-C32	3	40	32	115	45	14				
★	TP22-50x110-C20	3	50	20	110	42	20	TPMN2204 TPKN2204 XPKR 220412 XPKN 220408	CSY-20	A50110D M5x11	T20
	TP22-50x110-C25	3	50	25	110	42	20				
★	TP22-50x115-C32	3	50	32	115	42	20				
	TP22-63x110-C20	3	63	20	110	42	20				
	TP22-63x110-C25	3	63	25	110	42	20				
	TP22-63x110-C32	3	63	32	110	42	20				

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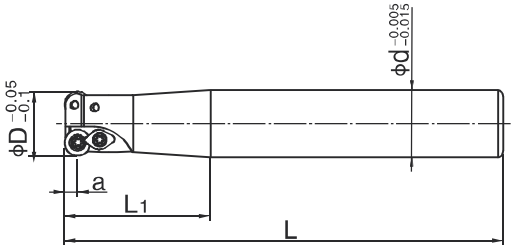
EMR round dowel end mill



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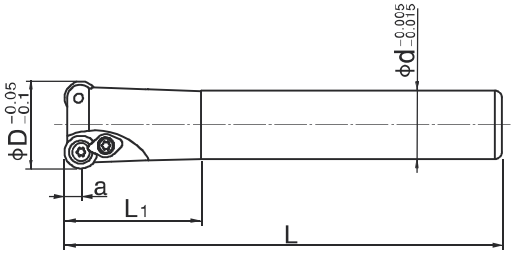
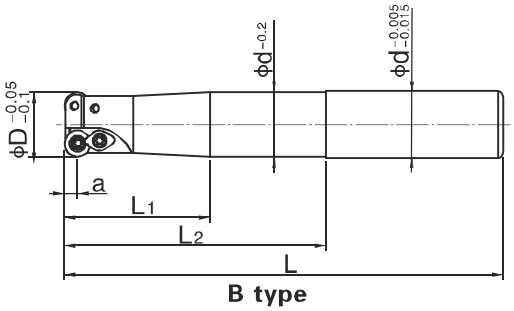
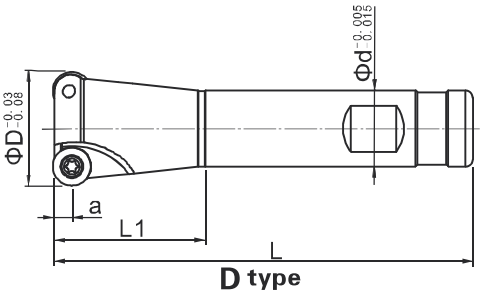


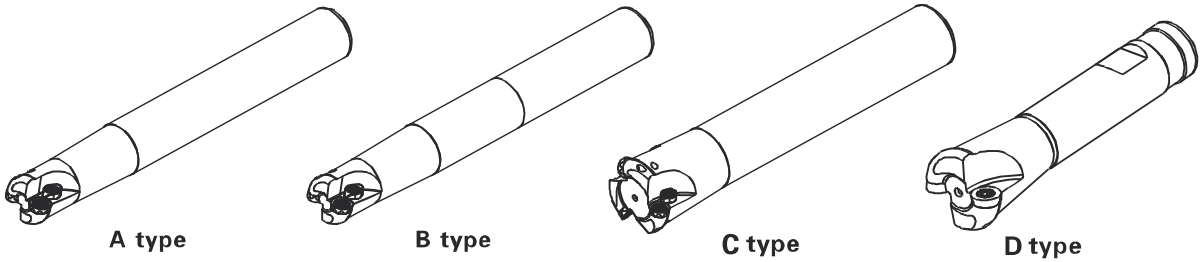
C type



B type

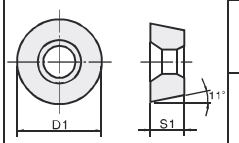


D type



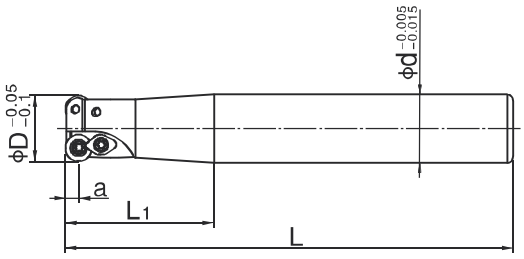
A type B type C type D type

Inserts

Cat. No.	UP20M	NX2525	UTI20T	F7030	VP15TF	SH8020	SH8250	JC3535	NIT	NAT	UMS	DX25	KT9	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	Size(mm) S1	
RPMW1003MO	●	●	●																	10	3.18	MITSUBISHI
RPMT10T3MOE				●	●★															10	3.97	
RPMW1003MO						●★	●★													10	3.18	HITACHI
RPMW0802MO								●	●	●	●	●	●							8	2.38	DIJET
RPMW1003MO								●	●	●	●	●	●							10	3.18	
RPMW0802MO																	●★			8	2.38	KOVES
RPMW1003MO																	●★			10	3.18	

Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L_1	L_2	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
★ EMR-4R×12×120	1	A	12	12	120	40	—	4	RPMW 0802 MO	—	A30070G M3×7	T10F T10
★ EMR-4R×13×120-C12	1	A	13	12	120	40	—	4				
EMR-4R×16×120-C15	2	A	16	15	120	40	—	4	RPMW 0802 MO	A-4R		
★ EMR-4R×16×120	2	A	16	16	120	40	—	4				
★ EMR-4R×16×160	2	A	16	16	160	40	—	4				
EMR-4R×16×160-C15	2	A	16	15	160	40	—	4				
EMR-4R×16×150-C15.6	2	A	16	15.6	150	40	—	4				
EMR-4R×16×160-C15.6	2	A	16	15.6	160	40	—	4				
EMR-4R×16×180	2	B	16	16	180	40	90	4				
EMR-4R×16×180-C15.6	2	A	16	15.6	180	40	—	4				
★ EMR-4R×16×200	2	B	16	16	200	40	100	4				
EMR-4R×16×200-C15	2	A	16	15	200	50	—	4				
EMR-4R×17×120-C16	2	A	17	16	120	40	—	4				
★ EMR-4R×17×160-C16	2	A	17	16	160	40	—	4				
★ EMR-4R×17×200-C16	2	A	17	16	200	40	—	4				
★ EMR-4R×20×160	2	A	20	20	160	50	—	4				
★ EMR-4R×20×160-C19	2	C	20	19	160	50	—	4				
EMR-4R×20×180	2	B	20	20	180	50	90	4				
EMR-4R×20×180-C19	2	C	20	19	180	50	—	4				
★ EMR-4R×20×200	2	B	20	20	200	50	100	4				
EMR-4R×20×200-C19	2	A	20	19	200	50	—	4				
★ EMR-4R×21×160-C20	2	A	21	20	160	50	—	4				
★ EMR-4R×21×200-C20	2	A	21	20	200	50	—	4				
★ EMR-5R×20×160	2	A	20	20	160	50	—	5	RPMW 1003 MO RPMT 10T3 MOE	A-5R	A40090G M4×9 A35100F M3.5×10	T15F T15
EMR-5R×20×160-C19	2	A	20	19	160	50	—	5				
EMR-5R×20×180	2	B	20	20	180	50	90	5				
★ EMR-5R×20×200	2	B	20	20	200	50	100	5				
★ EMR-5R×21×160-C20	2	A	21	20	160	50	—	5				
EMR-5R×21×200-C20	2	A	21	20	200	50	—	5				
★ EMR-5R×25×160	2	A	25	25	160	50	—	5				
★ EMR-5R×25×160-C20	2	C	25	20	160	50	—	5				
EMR-5R×25×160-C24	2	A	25	24	160	50	—	5				
★ EMR-5R×25×180	2	A	25	25	180	50	—	5				
★ EMR-5R×25×200	2	A	25	25	200	75	—	5				
★ EMR-5R×25×250	2	B	25	25	250	60	115	5				
EMR-5R×25×300	2	B	25	25	300	60	165	5				
★ EMR-5R×25×200-C20	2	C	25	20	200	50	—	5				
★ EMR-5R×25×200-C24	2	A	25	24	200	50	—	5				
EMR-5R×25×250-C24	2	A	25	24	250	60	—	5				
EMR-5R×26×160-C25	2	A	26	25	160	50	—	5				
EMR-5R×26×200-C25	2	A	26	25	200	50	—	5				
★ EMR-5R×30×110-C20	2	D	30	20	110	40	—	5				
★ EMR-5R×30×110-C19.05	2	D	30	19.05	110	40	—	5				
★ EMR-5R×30×160-C25	2	C	30	25	160	50	—	5				
★ EMR-5R×30×200-C25	2	C	30	25	200	60	—	5				
★ EMR-5R×30×250-C25	2	C	30	25	250	60	—	5				
EMR-5R×30×300-C25	2	C	30	25	300	60	—	5				
EMR-5R×30×300-C32	2	C	30	32	300	60	—	5				
★ EMR-5R×35×160-C32	2/3	C	35	32	160	50	—	5				
★ EMR-5R×35×200-C32	2/3	C	35	32	200	50	—	5				
★ EMR-5R×35×250-C32	2/3	C	35	32	250	60	—	5				
★ EMR-5R×35×300-C32	3	C	35	32	300	60	—	5				
★ EMR-5R×35×350-C32	3	C	35	32	350	60	—	5		A-5R		
EMR-5R×40×160-C32	3/4	C	40	32	160	50	—	5				
★ EMR-5R×40×200-C32	4	C	40	32	200	50	—	5				
EMR-5R×40×250-C32	4	C	40	32	250	60	—	5				
EMR-5R×40×300-C32	4	C	40	32	300	60	—	5				
EMR-5R×40×350-C32	4	C	40	32	350	60	—	5				
EMR-5R×50×200-C32	4	C	50	32	200	60	—	5				
EMR-5R×50×250-C32	4	C	50	32	250	60	—	5				
EMR-5R×50×300-C32	4	C	50	32	300	60	—	5				
EMR-5R×50×350-C32	4	C	50	32	350	60	—	5				

EMRW round dowel end mill



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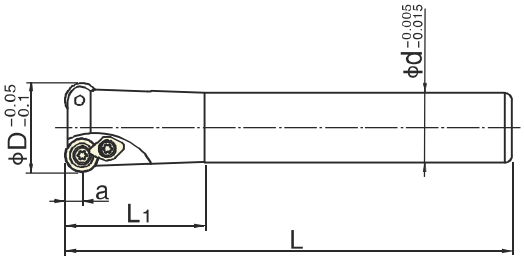
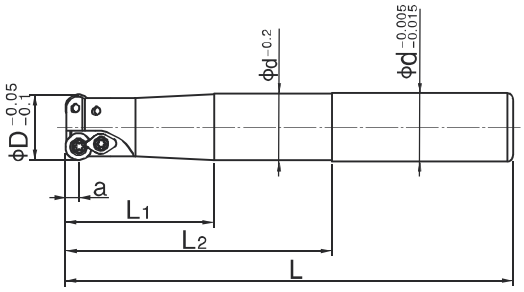
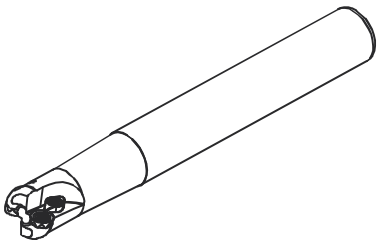


C type



B type



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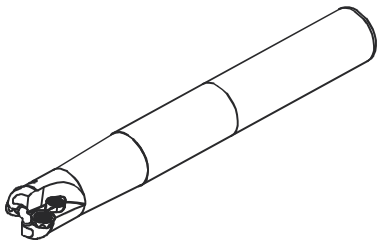

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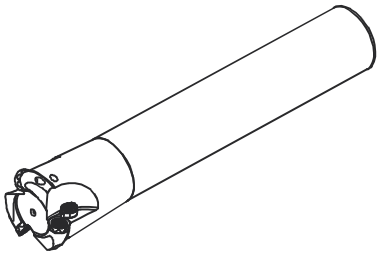
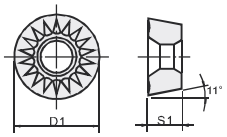
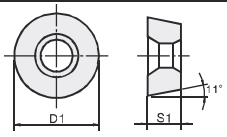
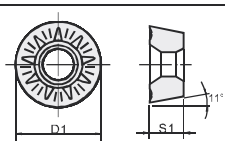
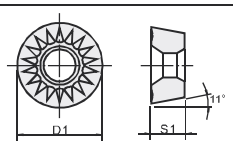


C type

C

Inserts

Cat. No.	F7030	F620	VP15TF	NX4545	UT120T	TN100M	PR510	PR660	PR730	KW10	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	Size(mm) S1		
RPMT08T2MOE-JS	●	●★	●★														8	2.78		MITSUBISHI
1204MOE-JS	●		●														12	4.76		
RPMT1204MO							●	●	●	●							12	4.76		KYOCERA
1204MO-H						●	●	●	●	●							12	4.76		
RPMW08T2MOE	●			●													8	2.78		MITSUBISHI
08T2MOT			●														8	2.78		
1204MOE	●	●		●	●												12	4.76		
1204MOT			●														12	4.76		
RPMW1204MO														●★	●		12	4.76		KOVES
RPMT08T2MO-JS														●★			8	2.78		KOVES
1204MO-JS														●★			12	4.76		

Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L_1	L_2	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
★ EMRW-4R×12×120	1	A	12	12	120	40	—	4	RPMT 08T2 MOE	—		
★ EMRW-4R×13×120-C12	1	A	13	12	120	40	—	4				
EMRW-4R×16×120-C15	2	A	16	15	120	40	—	4				
★ EMRW-4R×16×120	2	A	16	16	120	40	—	4				
★ EMRW-4R×16×160	2	A	16	16	160	40	—	4				
★ EMRW-4R×16×160-C15	2	A	16	15	160	40	—	4				
EMRW-4R×16×160-C15.6	2	A	16	15.6	160	40	—	4				
EMRW-4R×16×180	2	B	16	16	180	40	90	4				
EMRW-4R×16×180-C15.6	2	A	16	15.6	180	40	—	4				
★ EMRW-4R×16×200	2	B	16	16	200	40	100	4				
EMRW-4R×16×200-C15	2	A	16	15	200	50	—	4				
EMRW-4R×16×200-C15.6	2	A	16	15.6	200	50	—	4	RPMT 08T2 MOE	A-4R	A30070E M3×7	T8F T8
EMRW-4R×17×120-C16	2	A	17	16	120	40	—	4				
★ EMRW-4R×17×160-C16	2	A	17	16	160	40	—	4				
EMRW-4R×17×200-C16	2	A	17	16	200	40	—	4				
★ EMRW-4R×20×160	2	A	20	20	160	50	—	4				
EMRW-4R×20×160-C19	2	A	20	19	160	50	—	4				
EMRW-4R×20×180	2	B	20	20	180	50	90	4				
★ EMRW-4R×20×200	2	B	20	20	200	50	100	4				
EMRW-4R×20×200-C19	2	A	20	19	200	50	—	4				
★ EMRW-4R×21×160-C20	2	A	21	20	160	50	—	4				
EMRW-4R×21×200-C20	2	A	21	20	200	50	—	4				
★ EMRW-6R×32×160-C25	2	C	32	25	160	50	—	6				
EMRW-6R×32×160	2	A	32	32	160	50	—	6				
EMRW-6R×32×180-C25	2	C	32	25	180	60	—	6				
EMRW-6R×32×180	2	A	32	32	180	60	—	6				
★ EMRW-6R×32×200-C25	2	C	32	25	200	60	—	6				
★ EMRW-6R×32×200	2	A	32	32	200	80	—	6				
EMRW-6R×32×250-C25	2	C	32	25	250	60	—	6				
EMRW-6R×32×250	2	A	32	32	250	100	—	6				
EMRW-6R×32×300-C25	2	C	32	25	300	60	—	6				
EMRW-6R×32×300	2	A	32	32	300	100	—	6				
★ EMRW-6R×35×160-C32	3	C	35	32	160	50	—	6				
★ EMRW-6R×35×200-C32	3	C	35	32	200	60	—	6	RPMW \T 1204 MO	A-6R	A40100J M4×10	T15F T15
★ EMRW-6R×35×250-C32	3	C	35	32	250	60	—	6				
★ EMRW-6R×35×300-C32	3	C	35	32	300	60	—	6				
EMRW-6R×35×350-C32	3	C	35	32	350	60	—	6				
★ EMRW-6R×40×160-C32	3	C	40	32	160	50	—	6				
★ EMRW-6R×40×200-C32	3	C	40	32	200	50	—	6				
★ EMRW-6R×40×250-C32	3	C	40	32	250	60	—	6				
EMRW-6R×40×300-C32	3	C	40	32	300	60	—	6				
EMRW-6R×40×350-C32	3	C	40	32	350	60	—	6				
EMRW-6R×50×200-C32	4	C	50	32	200	60	—	6				
EMRW-6R×50×250-C32	4	C	50	32	250	60	—	6				
EMRW-6R×50×300-C32	4	C	50	32	300	60	—	6				
EMRW-6R×50×350-C32	4	C	50	32	350	60	—	6				

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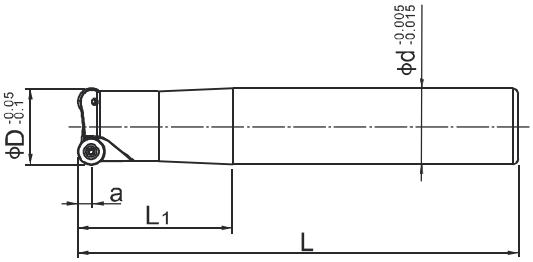
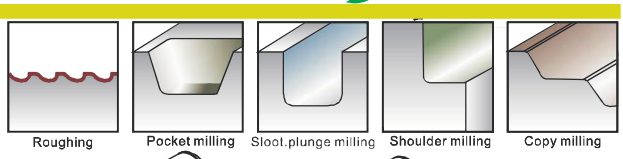
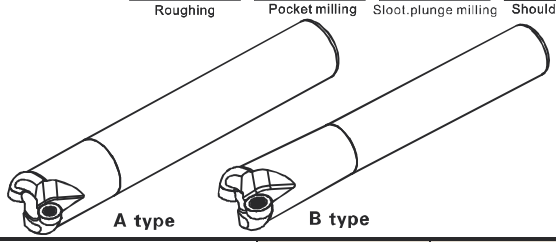
TR200 round dowel end mill

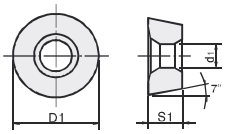
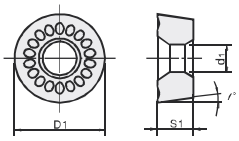
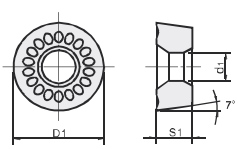






	Cat. No / Stocked Items★	No.of flutes	Manner	Size D	d	L	L1	a	Applicable inserts	Clamp screw	Wrench
	TR200–5R×20×160	2	A	20	20	160	50	5	RC□T 10T3 MO	A35085J M3.5×8.5	T15F T15
	TR200–5R×20×160–C19	2	A	20	19	160	50	5			
	TR200–5R×20×200	2	A	20	20	200	50	5			
	TR200–5R×21×160–C20	2	A	21	20	160	50	5			
	TR200–5R×21×200–C20	2	A	21	20	200	50	5			
	TR200–5R×25×160	2	A	25	25	160	50	5			
	TR200–5R×25×180	2	A	25	25	180	50	5			
	TR200–5R×25×150–C20	2	B	25	20	150	50	5			
★	TR200–5R×25×160–C20	2	B	25	20	160	50	5			
★	TR200–5R×25×160–C24	2	A	25	24	160	50	5			
	TR200–5R×25×200	2	A	25	25	200	75	5			
	TR200–5R×25×200–C20	2	B	25	20	200	50	5			
★	TR200–5R×25×200–C24	2	A	25	24	200	50	5			
	TR200–5R×26×200–C25	2	A	26	25	200	50	5			
★	TR200–6R×32×160–C25	2	B	32	25	160	50	6	RC□T 1204 MO	A35100J M3.5×10	T15F T15
	TR200–6R×32×160	2	A	32	32	160	50	6			
★	TR200–6R×32×200–C25	2	B	32	25	200	50	6			
	TR200–6R×32×200	2	A	32	32	200	80	6			
	TR200–6R×32×250–C25	2	B	32	25	250	60	6			
	TR200–6R×32×250	2	A	32	32	250	100	6			
	TR200–6R×33×160–C32	2	A	33	32	160	40	6			
	TR200–6R×33×200–C32	2	A	33	32	200	40	6			
	TR200–6R×33×250–C32	2	A	33	32	250	40	6			
	TR200–6R×40×160–C32	3	B	40	32	160	50	6			
	TR200–6R×40×200–C32	3	B	40	32	200	50	6			
	TR200–6R×40×250–C32	3	B	40	32	250	60	6			
	TR200–6R×40×300–C32	3	B	40	32	300	60	6			
	TR200–6R×40×350–C32	3	B	40	32	350	60	6			

Inserts

Cat. No.	530	1025	2030	2040	3020	3040	4020	4030	4040	H10F	H13A	SM30	H01	KW20	KC25	KP30	KC35	Insert shape	D1	d1	S1	
RCHT10T3MO-PL	●	●									●								10	4.0	3.97	SANDVIK
10T3MO-KL											●								10	4.0	3.97	
10T3MO-ML			●	●															10	4.0	3.97	
RCHT1204MO-PL	●	●																	12	4.0	4.76	
1204MO-KL											●								12	4.0	4.76	
1204MO-ML			●	●															12	4.0	4.76	
RCKT10T3MO-PM							●	●	●										10	4.0	3.97	SANDVIK
10T3MO-KM					●	●													10	4.0	3.97	
10T3MO-WM	●									●		●							10	4.0	3.97	
10T3MO-MM			●	●															10	4.0	3.97	
RCKT1204MO-PM							●	●	●										12	4.0	4.76	
1204MO-KM					●	●													12	4.0	4.76	
1204MO-WM	●									●		●							12	4.0	4.76	
1204MO-MM			●	●															12	4.0	4.76	
RCKT10T3MO-DM																●★	●★		10	4.0	3.97	KOVES
1204MO-DR																●★	●★		12	4.0	4.76	
1606MO-DR																	●					
RCKT10T3MO-PH							●	●	●										10	4.0	3.97	SANDVIK
10T3MO-KH					●	●													10	4.0	3.97	
10T3MO-WH												●							10	4.0	3.97	
RCKT1204MO-PH							●	●	●										12	4.0	4.76	
1204MO-KH					●	●													12	4.0	4.76	
1204MO-WH												●							12	4.0	4.76	

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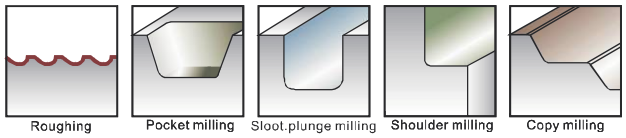
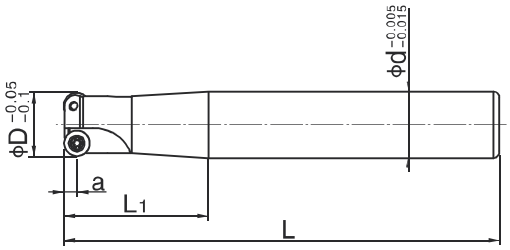
TRS round dowel end mill





Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
★ TRS-2.5R×8×80	1	A	8	8	80	30	—	2.5	RDMW0501MO	—	A18040 M1.8×4	T6F T6
★ TRS-2.5R×10×120	2	A	10	10	120	30	—	2.5				
★ TRS-2.5R×12×120	2	A	12	12	120	30	—	2.5				
★ TRS-3.5R×10×120	1	A	10	10	120	40	—	3.5	RDMW0702MO	—	A25060G M2.5×6	T8F T8
★ TRS-3.5R×12×120	1	A	12	12	120	40	—	3.5				
TRS-3.5R×16×120	2	A	16	16	120	40	—	3.5				
TRS-3.5R×16×160	2	A	16	16	160	40	—	3.5				
★ TRS-4R×12×120	1	A	12	12	120	40	—	4	RDMT 0802 MO	—		
TRS-4R×12×130	1	A	12	12	130	40	—	4				
TRS-4R×13×120-C12	1	A	13	12	120	40	—	4				
★ TRS-4R×16×120	2	A	16	16	120	40	—	4	RDMT 0802 MO	A-4R	A30070E M3×7	
TRS-4R×16×120-C15	2	A	16	15	120	40	—	4				
★ TRS-4R×16×160	2	A	16	16	160	40	—	4				
TRS-4R×16×160-C15	2	A	16	15	160	40	—	4				
★ TRS-4R×16×160-C15.6	2	A	16	15.6	160	40	—	4				
TRS-4R×16×180	2	B	16	16	180	40	90	4				
TRS-4R×16×180-C15.6	2	A	16	16	180	40	—	4				
TRS-4R×16×200	2	B	16	16	200	40	100	4				
TRS-4R×16×200-C15	2	A	16	15	200	50	—	4				
TRS-4R×17×120-C16	2	A	17	16	120	40	—	4				
TRS-4R×17×160-C16	2	A	17	16	160	40	—	4				
TRS-4R×17×200-C16	2	A	17	16	200	50	—	4				
★ TRS-4R×20×160	2	A	20	20	160	50	—	4				
TRS-4R×20×160-C19	2	A	20	19	160	50	—	4				
★ TRS-4R×20×200	2	B	20	20	200	50	100	4				
TRS-4R×20×200-C19	2	A	20	19	200	50	—	4				
TRS-4R×21×160-C20	2	A	21	20	160	50	—	4				
TRS-4R×21×200-C20	2	A	21	20	200	50	—	4				
★ TRS-5R×20×160	2	A	20	20	160	50	—	5	RDMT 10T3 MO	A-5R	A40090F M4×9 (日立專用) A40090G M4×9 A35100F M3.5×10	T15F T15
TRS-5R×20×160-C19	2	A	20	19	160	50	—	5				
TRS-5R×20×200	2	B	20	20	200	50	100	5				
TRS-5R×21×160-C20	2	A	21	20	160	50	—	5				
TRS-5R×21×200-C20	2	A	21	20	200	50	—	5				
★ TRS-5R×25×160	2	A	25	25	160	50	—	5				
TRS-5R×25×160-C20	2	C	25	20	160	50	—	5				
TRS-5R×25×160-C24	2	A	25	24	160	50	—	5				
★ TRS-5R×25×200	2	A	25	25	200	75	—	5				
TRS-5R×25×200-C20	2	A	25	20	200	50	—	5				
★ TRS-5R×25×200-C24	2	A	25	24	200	50	—	5				
TRS-5R×25×250-C24	2	A	25	24	250	50	—	5				
★ TRS-5R×25×250	2	B	25	25	250	60	115	5				
TRS-5R×26×160-C25	2	A	26	25	160	50	—	5				
TRS-5R×26×200-C25	2	A	26	25	200	50	—	5				
★ TRS-5R×30×160-C25	2	C	30	25	160	50	—	5				
★ TRS-5R×30×200-C25	2	C	30	25	200	60	—	5				
★ TRS-5R×30×250-C25	2	C	30	25	250	60	—	5				
TRS-5R×32×160-C25	3	C	32	25	160	50	—	5				
TRS-5R×32×160	3	A	32	32	160	50	—	5				
TRS-5R×32×200-C25	3	C	32	25	200	60	—	5				
TRS-5R×32×200	3	A	32	32	200	80	—	5				
TRS-5R×32×250-C25	3	C	32	25	250	60	—	5				
TRS-5R×32×250	3	A	32	32	250	100	—	5				
TRS-5R×32×300-C25	3	C	32	25	300	60	—	5				
TRS-5R×32×300	3	A	32	32	300	100	—	5				
TRS-5R×32×350	3	A	32	32	350	100	—	5				
★ TRS-5R×35×160-C32	3	C	35	32	160	50	—	5				
★ TRS-5R×35×200-C32	3	C	35	32	200	50	—	5				
★ TRS-5R×35×250-C32	3	C	35	32	250	60	—	5				
TRS-5R×35×300-C32	3	C	35	32	300	60	—	5				
TRS-5R×40×160-C32	4	C	40	32	160	50	—	5				
TRS-5R×40×200-C32	4	C	40	32	200	50	—	5				
TRS-5R×40×250-C32	4	C	40	32	250	60	—	5				
TRS-5R×40×300-C32	4	C	40	32	300	60	—	5				
TRS-5R×40×350-C32	4	C	40	32	350	60	—	5				

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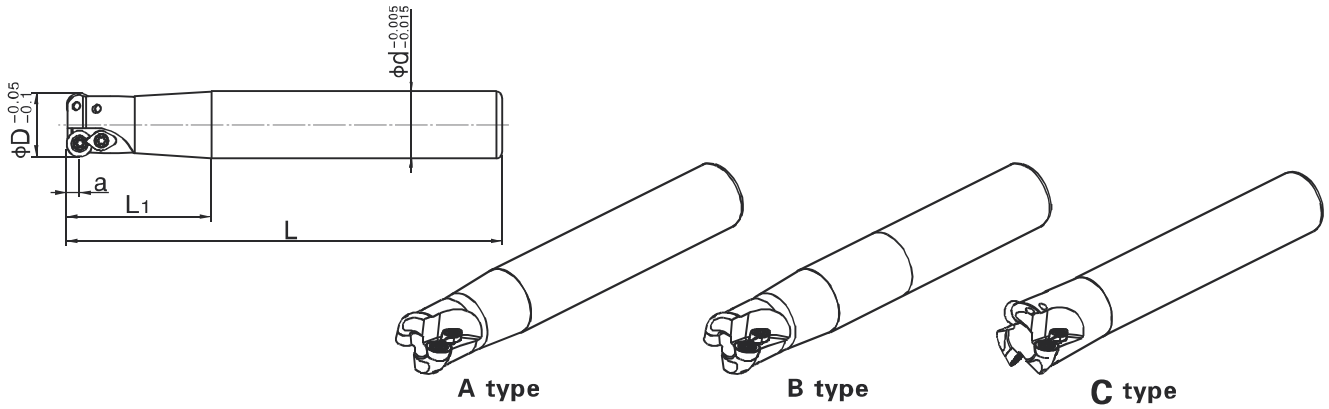

Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp piece	Clamp screw	Wrench
TRS-6R×32×160-C25	2	C	32	25	160	50	—	6	RDMT 1204 MO	A-6R	A40100J M4×10 / A40090F M4×9	T15F T15
TRS-6R×32×160	2	A	32	32	160	50	—	6				
TRS-6R×32×200-C25	2	C	32	25	200	50	—	6				
TRS-6R×32×200	2	A	32	32	200	80	—	6				
TRS-6R×32×250-C25	2	C	32	25	250	60	—	6				
TRS-6R×32×250	2	A	32	32	250	60	—	6				
TRS-6R×32×300-C25	2	C	32	25	300	60	—	6				
TRS-6R×32×300	2	B	32	32	300	60	165	6				
TRS-6R×35×200-C32	3	C	35	32	200	60	—	6				
TRS-6R×35×250-C32	3	C	35	32	250	60	—	6				
TRS-6R×35×300-C32	3	C	35	32	300	60	—	6				
TRS-6R×35×350-C32	3	C	35	32	350	60	—	6				
TRS-6R×40×160-C32	3	C	40	32	160	50	—	6				
★ TRS-6R×40×200-C32	3	C	40	32	200	60	—	6				
★ TRS-6R×40×250-C32	3	C	40	32	250	60	—	6				
TRS-6R×40×300-C32	3	C	40	32	300	60	—	6				
TRS-6R×40×350-C32	3	C	40	32	350	60	—	6				
TRS-6R×50×200-C32	4	C	50	32	200	60	—	6				
TRS-6R×50×250-C32	4	C	50	32	250	60	—	6				
TRS-6R×50×300-C32	4	C	50	32	300	60	—	6				
TRS-6R×50×350-C32	4	C	50	32	350	60	—	6				
TRS-8R×50×200-C32	4	C	50	32	200	60	—	8	RDMT 1604 MO	A-8R	A50120J M5×12	T20F T20
TRS-8R×50×250-C32	4	C	50	32	250	60	—	8				
TRS-8R×50×300-C32	4	C	50	32	300	60	—	8				
TRS-8R×50×350-C32	4	C	50	32	350	60	—	8				

Inserts

Cat. No.	CY100H	CY15	CY25	CY150	CY250	GF30	TB6005	TB6020	TB6045	TB6060	PTH08M	WH10	H01	KW20	KC25	KP30	KC35	Insert shape	Size(mm) D1	S1	
RDMW0501MOEN					●★						●★								5	1.59	
RDMW0702MOEN					●★						●★								7	2.38	
RDHW0802MOTN				●	●	●			●	●									8	2.38	
10T3MOTN				●	●	●			●										10	3.97	
1204MOTN				●	●	●			●										12	4.76	
1604MOTN				●	●	●			●										16	4.76	HITACHI
RDMT0802MOTN			●	●	●★	●★	●	●	●	●									8	2.38	
0802MOEN	●											●							8	2.38	
10T3MOTN			●	●	●★	●★	●	●	●	●									10	3.97	
10T3MOEN	●											●							10	3.97	
1204MOTN				●	●★	●★	●	●	●	●									12	4.76	
1204MOEN												●							12	4.76	
RDMW10T3MO																●			10	3.97	
1204MO																●	●★		12	4.76	KOVES

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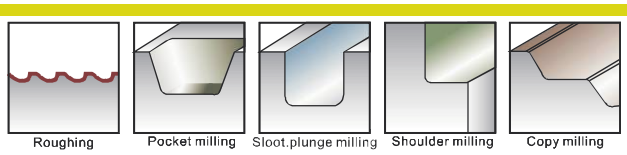
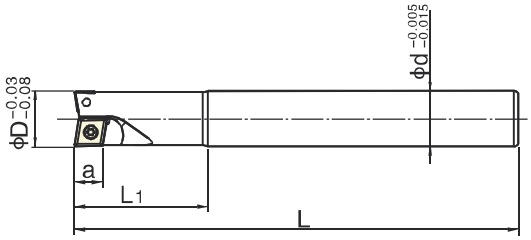
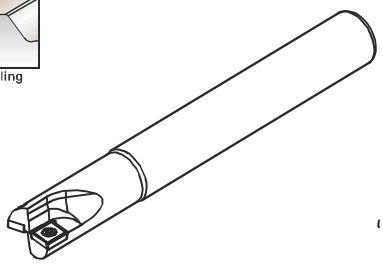
TJU borer mill

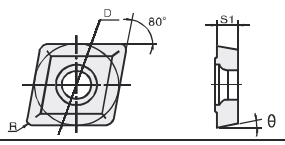
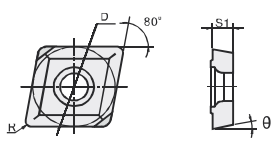






Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts		Clamp screw	Wrench
★ TJU-10×120	1	A	10	10	120	30	—	6	CCMT 060204	—	A25060G M2.5×6	T8F T8
TJU-10×130	1	A	10	10	130	30	—	6				
TJU-11×120-C10	1	A	11	10	120	30	—	6				
★ TJU-12×120	1	A	12	12	120	40	—	6	—	CPMT 080204Z		
TJU-12×130	1	A	12	12	130	40	—	6				
★ TJU-13×120-C12	1	A	13	12	120	40	—	6				
TJU-13×130-C12	1	A	13	12	130	40	—	6				
★ TJU-16×120	2	A	16	16	120	40	—	6	CCMT 060204	CPMT 080204Z	A25060G M2.5×6	
★ TJU-16×160	2	A	16	16	160	40	—	6				
★ TJU-16×180	2	B	16	16	180	40	90	6				
TJU-16×160-C15	2	A	16	15	160	40	—	6				
★ TJU-16×200	2	B	16	16	200	40	100	6				
★ TJU-17×160-C16	2	A	17	16	160	40	—	6				
TJU-17×180-C16	2	A	17	16	180	40	—	6				
★ TJU-17×200-C16	2	A	17	16	200	40	—	6				
★ TJU-20×120	2	A	20	20	120	40	—	6	CCMT 060204	CPMT 090204Z	A25060G/A35080F M2.5×6 / M3.5×8	T8F/T15F T8 / T15
★ TJU-20×160	2	A	20	20	160	50	—	6				
★ TJU-20×200	2	B	20	20	200	50	100	6				
★ TJU-21×160-C20	2	A	21	20	160	40	—	6				
★ TJU-21×200-C20	2	A	21	20	200	50	—	6				
★ TJU-25×160	2	A	25	25	160	50	—	9	CPMT 090308	CPMT 120308Z	A40090F M4×9	T15F T15
★ TJU-25×200	2	A	25	25	200	75	—	9				
★ TJU-25×250	2	B	25	25	250	60	115	9				
TJU-26×160-C25	2	A	26	25	160	50	—	9				
★ TJU-26×200-C25	2	A	26	25	200	60	—	9				
TJU-26×250-C25	2	A	26	25	250	60	—	9				
★ TJU-32×160	2	A	32	32	160	60	—	12	CPMT 120408	CPMT 160408Z	A50120J M5×12	T20F T20
★ TJU-32×200	2	A	32	32	200	80	—	12				
★ TJU-32×250	2	A	32	32	250	115	—	12				
★ TJU-32×300	2	B	32	32	300	60	165	12				
TJU-32×350	2	B	32	32	350	60	165	12				
★ TJU-33×160-C32	2	A	33	32	160	50	—	12				
TJU-33×200-C32	2	A	33	32	200	60	—	12				
★ TJU-33×250-C32	2	A	33	32	250	80	—	12				
TJU-33×300-C32	2	A	33	32	300	80	—	12				
TJU-33×350-C32	2	A	33	32	350	80	—	12				
★ TJU-40×200-C32	2	C	40	32	200	60	—	12	CPMT 160408	CPMT 190408Z	A60210J/M6 ×21 A50120/M5×12	T20F/T30F T20/T30
★ TJU-40×250-C32	2	C	40	32	250	80	—	12				
TJU-40×300-C32	2	C	40	32	300	80	—	12				
TJU-40×350-C32	2	C	40	32	350	80	—	12				

Inserts

Cat. No.	CY250	HC844	GX30	EX40	WH10	WH20	Insert shape	Size (mm) D	S1	θ	R	
CCMT060204	●★	●		●	●			6.35	2.38	7	0.4	HITACHI
CPMT090308	●★	●		●	●	●		9.525	3.18	11	0.8	
120408	●★	●	●	●	●			12.7	4.76	11	0.8	
120430	●							12.7	4.76	11	3.0	
CPMT080204Z	●★	●		●	●			7.94	2.38	11	0.4	
090204Z	●★	●		●	●			9.525	2.38	11	0.4	
120308Z	●★							12.7	3.18	11	0.8	
160408Z	●★	●		●	●			15.875	4.76	11	0.8	
160430Z	●							15.875	4.76	11	3.0	
190408Z	●★							19.05	4.76	11	0.8	

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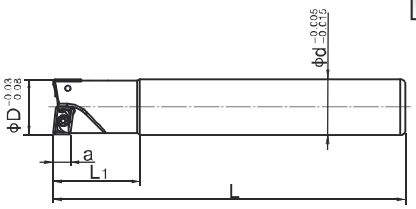
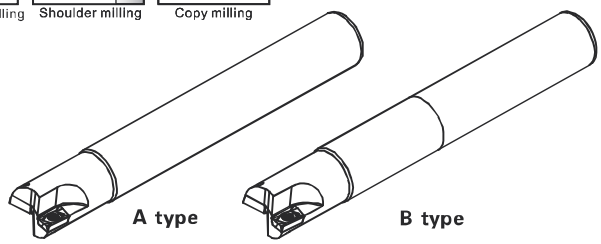
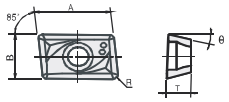
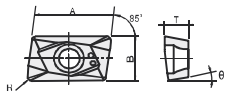




Stocked Items ★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
ASJ–16×120	2	A	16	16	120	33	—	16	ADMT080308L APMT090208R	A25065G/A20050J M2.5×6.5/M2×5	T8F/T6F T8/T6
ASJ–16×160	2	A	16	16	160	40	—	16			
ASJ–16×200	2	B	16	16	200	40	100	16			
ASJ–17×120–C16	2	A	17	16	120	33	—	16			
★ ASJ–17×160–C16	2	A	17	16	160	40	—	16			
ASJ–17×200–C16	2	A	17	16	200	40	—	16			
ASJ–20×120	2	A	20	20	120	40	—	20	ADMT1003□□L ACMT1003□□R	A25065G M2.5×6.5	T8F T8
ASJ–20×160	2	A	20	20	160	50	—	20			
ASJ–20×200	2	B	20	20	200	50	100	20			
ASJ–21×120–C20	2	A	21	20	120	35	—	20			
★ ASJ–21×160–C20	2	A	21	20	160	35	—	20			
★ ASJ–21×200–C20	2	A	21	20	200	35	—	20			
★ ASJ–25×160	2	A	25	25	160	50	—	25	ADMT12T3□□L APMT12T3□□R	A30075G M3×7.5	T10F T10
ASJ–25×200	2	A	25	25	200	75	—	25			
ASJ–25×250	2	B	25	25	250	60	115	25			
★ ASJ–26×160–C25	2	A	26	25	160	50	—	25			
★ ASJ–26×200–C25	2	A	26	25	200	50	—	25			
★ ASJ–26×250–C25	2	A	26	25	250	50	—	25			
ASJ–26×300–C25	2	A	26	25	300	50	—	25			
ASJ–32×160	2	A	32	32	160	50	—	32	APMT1604□□L APMT1504□□R	A40090G M4×9	T15F T15
ASJ–32×200	2	A	32	32	200	80	—	32			
ASJ–32×250	2	A	32	32	250	115	—	32			
ASJ–32×300	2	A	32	32	300	120	—	32			
ASJ–33×160–C32	2	A	33	32	160	50	—	32			
ASJ–33×200–C32	2	A	33	32	200	50	—	32			
ASJ–33×250–C32	2	A	33	32	250	50	—	32			
ASJ–33×300–C32	2	A	33	32	300	50	—	32			

Inserts

Cat. No.	Flute diameter	CY250	GF30	CY100H	Insert shape	Size (mm) A	B	T	θ	R	
ADMT080308L	16	●★	●	●		7.8	6.2	3.0	15	0.8	HITACHI
100308L	20	●★	●	●		10.4	6.35	3.18	15	0.8	
100320L	20	●	●	●		10.4	6.35	3.18	15	2.0	
12T308L	25	●★	●	●		12.6	7.93	3.9	15	0.8	
12T320L	25	●	●	●		12.6	7.93	3.9	15	2.0	
12T330L	25	●	●	●		12.6	7.93	3.9	15	3.0	
APMT160408L	32	●★	●	●		16.45	9.53	4.76	11	0.8	
160430L	32	●	●	●		16.45	9.53	4.76	11	3.0	
170408L	35	●	●	●		17.6	9.53	4.76	11	0.8	
170430L	35	●	●	●		17.6	9.53	4.76	11	3.0	
190508L	40	●	●	●		19.6	10	5.0	11	0.8	
190530L	40	●	●	●		19.6	10	5.0	11	3.0	
250508L	50	●	●	●		25.4	11	5.5	11	0.8	
250530L	50	●	●	●		25.4	11	5.5	11	3.0	
APMT090208R	16	●	●	●		9.1	5.1	2.6	11	0.8	
ACMT100308R	20	●	●	●		10.1	6.35	3.4	7	0.8	
100320R	20	●	●	●		10.1	6.35	3.4	7	2.0	
APMT12T308R	25	●★	●	●		13.14	7.93	3.9	11	0.8	
12T320R	25	●	●	●		13.14	7.93	3.9	11	2.0	
12T330R	25	●	●	●		13.14	7.93	3.9	11	3.0	
150408R	25	●★	●	●		15.88	9.53	4.76	11	0.8	
150430R	32-50	●	●	●		15.88	9.53	4.76	11	3.0	

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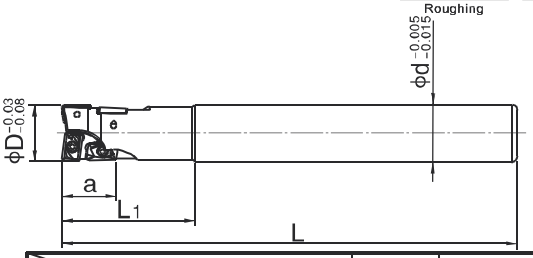
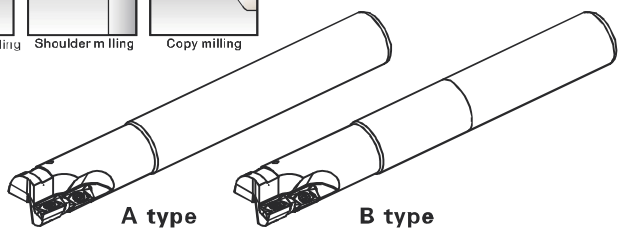
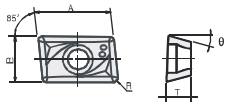
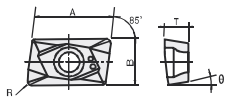
ASJ-4P borer mill





Stocked Items★ / Cat. No	No.of flutes	Manner	Size D	d	L	L1	L2	a	Applicable inserts	Clamp screw	Wrench
ASJ-16×120	4	A	16	16	120	40	—	16	ADMT080308L APMT090208R	A25060G/A20050J M2.5×6/M2×5	T8F/T6F T8/T6
ASJ-16×160	4	A	16	16	160	40	—	16			
ASJ-16×200	4	B	16	16	200	40	100	16			
ASJ-17×120-C16	4	A	17	16	120	40	—	16			
ASJ-17×160-C16	4	A	17	16	160	40	—	16			
ASJ-17×200-C16	4	A	17	16	200	40	—	16			
★ ASJ-20×120	4	A	20	20	120	40	—	20	ADMT1003□□L ACMT1003□□R	A25060G M2.5×6	T8F T8
ASJ-20×160	4	A	20	20	160	50	—	20			
ASJ-20×200	4	B	20	20	200	50	100	20			
ASJ-21×120-C20	4	A	21	20	120	35	—	20			
★ ASJ-21×160-C20	4	A	21	20	160	35	—	20			
ASJ-21×200-C20	4	A	21	20	200	35	—	20			
★ ASJ-25×160	4	A	25	25	160	50	—	25	ADMT12T3□□L APMT12T3□□R	A30075G M3×7.5	T10F T10
★ ASJ-25×200	4	A	25	25	200	75	—	25			
ASJ-25×250	4	B	25	25	250	60	115	25			
★ ASJ-26×160-C25	4	A	26	25	160	60	—	25			
★ ASJ-26×200-C25	4	A	26	25	200	60	—	25			
ASJ-26×250-C25	4	A	26	25	250	60	—	25			
ASJ-26×300-C25	4	A	26	25	300	60	—	25			
ASJ-32×160	4	A	32	32	160	60	—	32	APMT1604□□L APMT1504□□R	A40090G M4×9	T15F T15
ASJ-32×200	4	A	32	32	200	80	—	32			
ASJ-32×250	4	A	32	32	250	115	—	32			
ASJ-32×300	4	A	32	32	300	120	—	32			
ASJ-33×160-C32	4	A	33	32	160	60	—	32			
ASJ-33×200-C32	4	A	33	32	200	60	—	32			
ASJ-33×250-C32	4	A	33	32	250	60	—	32			
ASJ-33×300-C32	4	A	33	32	300	60	—	32			

Inserts

Cat. No.	Flute diameter	CY250	GF30	CY100H	Insert shape	Size (mm) A	B	T	θ	R	
ADMT080308L	16	●★	●	●		7.8	6.2	3.0	15	0.8	HITACHI
100308L	20	●★	●	●		10.4	6.35	3.18	15	0.8	
100320L	20	●	●	●		10.4	6.35	3.18	15	2.0	
12T308L	25	●★	●	●		12.6	7.93	3.9	15	0.8	
12T320L	25	●	●	●		12.6	7.93	3.9	15	2.0	
12T330L	25	●	●	●		12.6	7.93	3.9	15	3.0	
APMT160408L	32	●★	●	●		16.45	9.53	4.76	11	0.8	
160430L	32	●	●	●		16.45	9.53	4.76	11	3.0	
170408L	35	●	●	●		17.6	9.53	4.76	11	0.8	
170430L	35	●	●	●		17.6	9.53	4.76	11	3.0	
190508L	40	●	●	●		19.6	10	5.0	11	0.8	
190530L	40	●	●	●		19.6	10	5.0	11	3.0	
250508L	50	●	●	●		25.4	11	5.5	11	0.8	
250530L	50	●	●	●		25.4	11	5.5	11	3.0	
APMT090208R	16	●	●	●		9.1	5.1	2.6	11	0.8	
ACMT100308R	20	●	●	●		10.1	6.35	3.4	7	0.8	
100320R	20	●	●	●		10.1	6.35	3.4	7	2.0	
APMT12T308R	25	●★	●	●		13.14	7.93	3.9	11	0.8	
12T320R	25	●	●	●		13.14	7.93	3.9	11	2.0	
12T330R	25	●	●	●		13.14	7.93	3.9	11	3.0	
150408R	25	●★	●	●		15.88	9.53	4.76	11	0.8	
150430R	32-50	●	●	●		15.88	9.53	4.76	11	3.0	

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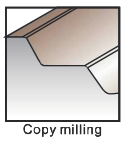
BCF/BCFL copy end mill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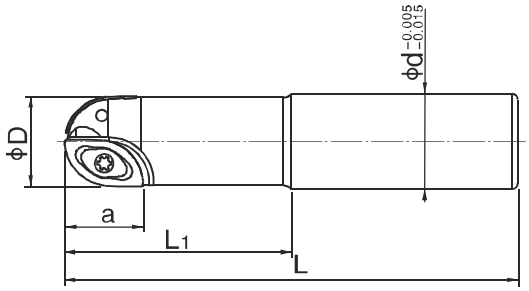
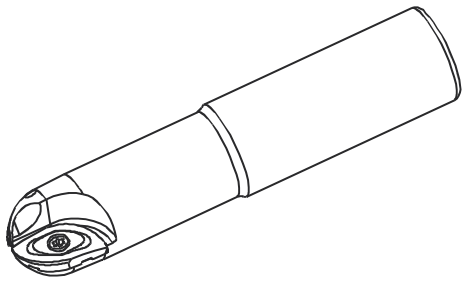


BCF type



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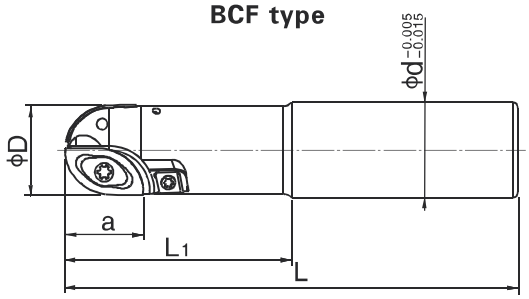
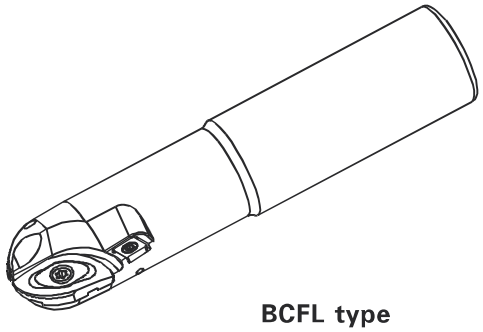


BCFL type



BCFL type

BCF/BCFL

Stocked Items ★ / Cat. No		Size					Applicable inserts			Clamp screw	Wrench
		D	d	L	L1	a	Master Insert	Slave Insert	Peripheral Insert		
★	10R×150–C20	20	20	150	70	30	ZCEW\T 100CE	ZCEW\T 100SE	CPMT080204	A30095J M3×9.5 A25060G M2.5×6	T10F/T10 T8F/T8
★	10R×150–C25	20	25	150	70	30					
★	10R×180–C20	20	20	180	80	30					
★	10R×180–C25	20	25	180	80	30					
★	10R×220–C20	20	20	220	80	30					
	10R×220–C25	20	25	220	100	30					
	10R×250–C20	20	20	250	150	30					
	10R×250–C25	20	25	250	150	30					
	10R×250–C32	20	32	250	150	30					
	10R×300–C25	20	25	300	150	30					
	10R×300–C32	20	32	300	150	30					
	10R×□□□–MT2	20	MT2	–	–	30					
★	12.5R×150–C25	25	25	150	70	39	ZCEW\T 125CE	ZCEW\T 125SE	CPMT090308	A40090F M4×9 A40110G M4×11	T15F T15
★	12.5R×150–C32	25	32	150	70	39					
★	12.5R×180–C25	25	25	180	80	39					
	12.5R×180–C32	25	32	180	80	39					
	12.5R×220–C25	25	25	220	80	39					
	12.5R×220–C32	25	32	220	100	39					
	12.5R×250–C25	25	25	250	150	39					
	12.5R×250–C32	25	32	250	150	39					
	12.5R×300–C32	25	32	300	150	39					
	12.5R×□□□–MT3	25	MT3	–	–	39					
★	15R×160–C32	30	32	160	80	43	ZCEW\T 150CE	ZCEW\T 150SE	CPMT090308	A50125J M5×12.5 A40090F M4×9	T20F T20 T15F T15
★	15R×200–C32	30	32	200	100	43					
	15R×250–C32	30	32	250	100	43					
	15R×300–C32	30	32	300	150	43					
	15R×350–C32	30	32	350	200	43					
	15R×□□□–MT4	30	MT4	–	–	43					
★	16R×160–C32	32	32	160	80	43	ZCET 160CE	ZCET 160SE	CPMT090308		
★	16R×200–C32	32	32	200	100	43					
	16R×250–C32	32	32	250	150	43					
	16R×300–C32	32	32	300	150	43					
	16R×350–C32	32	32	350	200	43					
	16R×□□□–MT4	32	MT4	–	–	43					
★	20R×200–C42	40	42	200	100	50	ZCEW 200CE	ZCEW 200SE	CPMT090308	A60180J M6×18 A40090F M4×9	T30D T30 T15F T15
★	20R×250–C42	40	42	250	150	50					
	20R×300–C42	40	42	300	150	50					
	20R×350–C42	40	42	350	200	50					
	20R×□□□–MT5	40	MT5	–	–	50					
★	25R×200–C42	50	42	200	100	50	ZCEW 250CE	ZCEW 250SE	CPMT120408	A60180J M6×18 A50120J M5×12	T30D T30 T20F T20
★	25R×250–C42	50	42	250	150	50					
	25R×300–C42	50	42	300	150	50					
	25R×350–C42	50	42	350	200	50					
	25R×□□□–MT5	50	MT5	–	–	50					

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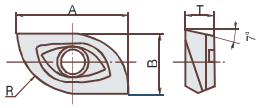
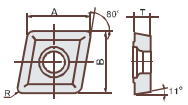
Inserts

Cat. No.	CY250	CY9020	HC844	EX40	WH10	WH20	Insert shape	Size (mm) R	A	B	T		
ZCET100CE		●★						10	18.3	10.0	4.74		HITACHI
125CE		●★						12.5	23.1	12.3	6.1		
150CE		●★						15	28.3	14.9	7.59		
160CE		●★						16	28.8	15.4	7.45		
ZCEW100CE	●		●★	●		●		10	18.3	10.0	4.74		
125CE	●		●★	●		●		12.5	23.1	12.3	6.1		
150CE	●		●★	●		●		15	28.3	14.9	7.59		
200CE	●		●★	●		●		20	35.4	20.1	8.0		
ZCET100SE		●★						10	16.7	8.1	4.24		
125SE		●★						12.5	20.8	9.3	5.40		
150SE		●★						15	25.7	11.8	7.09		
160SE		●★						16	26.3	12.4	6.96		
ZCEW100SE	●		●★	●		●		10	16.7	8.1	4.24		
125SE	●		●★	●		●		12.5	20.8	9.3	5.40		
150SE	●		●★	●		●		15	25.7	11.8	7.09		
200SE	●		●★	●		●		20	31.9	15.7	7.0		
CPMT080204	●		●	●		●		0.4	7.94		2.38		
CPMT090308	●		●	●	●	●		0.8	9.525		3.18		

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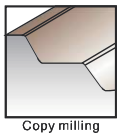
T2139 copy end fine mill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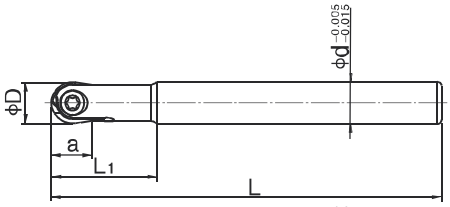
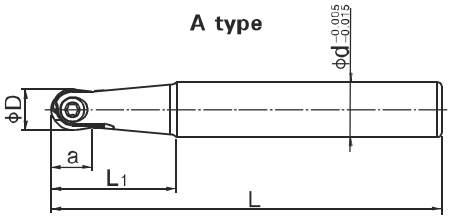


A type



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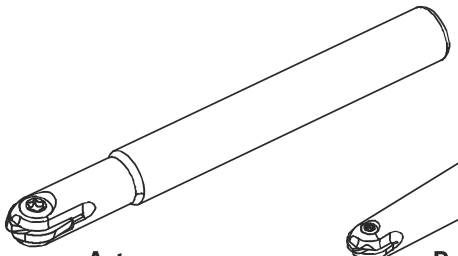
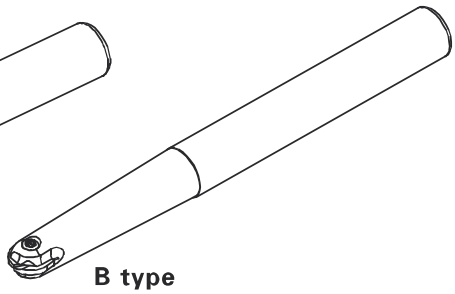
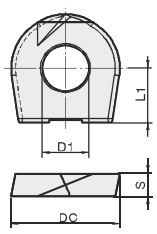

A type


B type

Stocked Items ★ / Cat. No		Manner	Size D	d	L	L1	a	Applicable inserts	Clamp screw	Wrench
★	T2139-4R×110-C8	B	8	8	110	25	5	P 320□- D 08	A30070J-4R	T8F T8
★	T2139-4R×110-C10	B	8	10	110	25	5			
★	T2139-4R×140-C12	B	8	12	140	55	5			
★	T2139-5R×130-C10	A	10	10	130	30	7	P 320□- D 10	A40090J-5R	T15F T15
★	T2139-5R×130-C12	A	10	12	130	30	7			
★	T2139-5R×160-C10	A	10	10	160	30	7			
★	T2139-5R×160-C12	B	10	12	160	30	7			
★	T2139-6R×130-C12	A	12	12	130	32	8	P 320□- D 12	A50090J-6R	T20F T20
★	T2139-6R×160-C12	A	12	12	160	32	8			
★	T2139-6R×160-C16	B	12	16	160	58.5	8			
★	T2139-8R×160-C16	A	16	16	160	65	10	P 320□- D 16	A50130J-8R	
★	T2139-8R×200-C16	A	16	16	200	65	10			
★	T2139-8R×200-C20	B	16	20	200	65	10			
★	T2139-10R×160-C20	A	20	20	160	45	12.5	P 320□- D 20	A50165J-10R	
★	T2139-10R×200-C20	A	20	20	200	76	12.5			
★	T2139-10R×250-C25	B	20	25	250	120	12.5			
	T2139-12.5R×160-C25	A	25	25	160	45	15	P 320□- D 25	A60210J-12.5R	T30D T30
★	T2139-12.5R×200-C25	A	25	25	200	76	15			
	T2139-12.5R×200-C32	B	25	32	200	98	15			
	T2139-12.5R×250-C32	B	25	32	250	120	15			
	T2139-15R×200-C32	B	30	32	200	80	18	P 320□- D 30	A80250J-15R/16R	
	T2139-15R×250-C40	B	30	40	250	121	18			
	T2139-16R×200-C32	A	32	32	200	80	19	P 320□- D 32	A80250J-15R/16R	
	T2139-16R×250-C40	B	32	40	250	121	19			

Inserts

Cat. No.	WTA61	WAP 25	WAP 35	WXM 35	WAK 15	NX25 25	WXH 15	WCB 50	WCB 80	Insert shape	Size(mm) DC	D1	L1	S	
P320□ - D08	●	●	●★	●	●	●★	●	●	●		8	3	4	2.0	WALTER
- D10	●★	●	●	●	●	●★	●	●	●		10	4	5	2.5	
- D12	●★	●	●	●	●	●★	●	●	●		12	5	6	2.5	
- D16	●★	●	●	●	●	●★	●	●	●		16	5	6	3.0	
- D20	●★	●	●	●	●	●★	●	●	●		20	5	6	3.0	
- D25	●★	●	●	●	●	●★	●				25	6	9	4.0	
- D30	●	●	●	●	●		●				30	8	10	5.0	
- D32	●	●	●	●	●		●				32	8	10	5.0	

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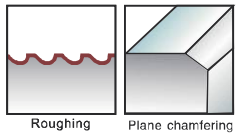
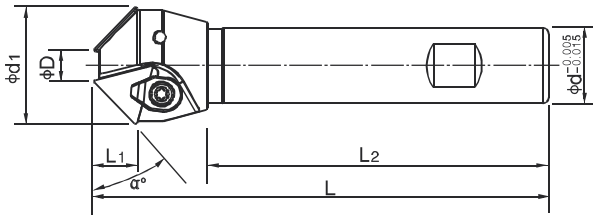
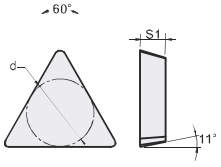
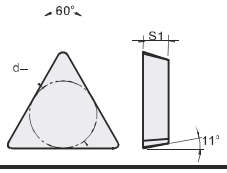
CPC chamfer end mill





Stocked Items ★ / Cat. No.		No.of flutes	Size(mm) α	D	d1	L	d	L1	L2	Applicable inserts	Clamp piece	Clamp screw	Clamp screw
★	CPC10-30X120-C20	2	30	10	34.9	120	20	7.1	90	TP□N160300 (□□)	AMS-4	A40100J M4x10	T15
★	CPC10-30X120-C25	2	30	10	34.9	120	25	7.1	90	TP□N160300 (□□)	AMS-4		
	CPC05-45X120-C16	1	45	10	18.6	120	16	7.0	90	TPMT110204		A25060G M2.5x6	T8
★	CPC10-45X120-C20	2	45	10	31.0	120	20	10.1	90	TP□N160300 (□□)	AMS-4	A40100J M4x10	T15
	CPC10-45X120-C25	2	45	10	31.0	120	25	10.1	90				
	CPC20-45X120-C20	2	45	20	48.8	120	20	14.0	120	TPMN22040 (□□)	CSY-20	A50110D M5x11	T20
★	CPC20-45X160-C25	2	45	20	48.8	160	25	14.0	120				
	CPC10-60X120-C20	1	60	10	24.1	120	20	12.1	90	TP□N160300 (□□)	AMS-4	A40100J M4x10	T15
	CPC10-60X120-C25	1	60	10	24.1	120	25	12.1	90				
★	CPC20-60X160-C25	2	60	20		160	25	—	120				

Inserts

Cat. No.	CY100H	CY15	CY25	HC844	CH550	EX35	EX40	WH10	KT20	KP20	Insert shape	Size(mm) d	Size(mm) s1	
TPMT110204				●	●	●		●				6.35	2.38	HITACHI
TPGN160308					●							9.525	3.18	
TPMN160304					●	●		●						
TPMN160308		●	●	●	●	●	●	●						
TPMN160304TN					●									
TPMN160308TN					●	●								
TPMN220404					●	●								
TPMN220408	●			●	●	●		●				12.7	4.76	
TPMN220408Y			●											
TPMN220412	●				●	●		●						
TPMN220404TN					●									
TPMN220408TN					●	●								
TPMN220412TN					●									
TPKN220412									●	●		12.7	4.76	KOVES
TPKR220408									●★	●★				

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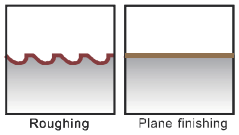
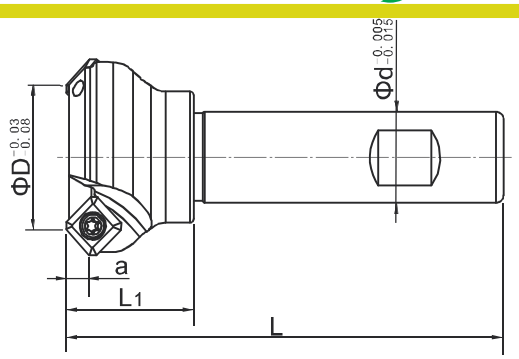
KM end mill

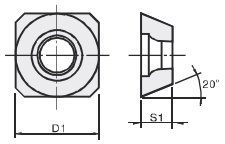


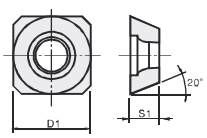


Stocked Items ★ / Cat. No	No.of flutes	Size D	d	L	L1	a	Applicable inserts	Clamp screw	Wrench
KM09–25x120–C20	4	25	20	120	—	4.5	SEEX09T3	A30070E M3x7	T8F T8
KM09–25x120–C25	4	25	25	120	32	4.5			
KM09–32x120–C25	4	32	25	120	—	4.5			
KM09–32x120–C32	4	32	32	120	32	4.5			
★ KM12–32x120–C20	3	32	20	120	—	6	SEHT1204	A50110D M5x11	T20F T20
★ KM12–32x120–C25	3	32	25	120	—	6			
★ KM12–40x120–C20	3	40	20	120	—	6			
★ KM12–40x120–C25	3	40	25	120	—	6			
★ KM12–40x120–C32	3	40	32	120	—	6			

Stocked Items ★ / Cat. No	No.of flutes	Size D	d	L	L1	a
KM12–50x120–C20	3	40	20	120	—	6
KM12–50x120–C25	3	40	25	120	35	6
KM12–50x120–C32	3	40	32	120	35	6
KM12–63x120–C20	3	40	20	120	—	6
KM12–63x120–C25	3	40	25	120	35	6
KM12–63x120–C32	3	40	32	120	35	6

Inserts

Cat. No.	WAP 25	WAP 35	WTP 35	WXP 45	WPM	WXM 35	WAK 15	WAK 25	WKM	WK 10	NCM325	PC3535	PC9530	PC6510	PC230	CN30	H01	Insert shape	Size (mm) D1	S1	
SEHT1204AFN		●	●	●		●				●									12.7	4.76		WALTER
1204AFN-K88										●									12.7	4.76		
SEHW1204AFN	●	●	●		●	●	●	●	●										12.7	4.76		
SECA1204AFSN											●	●							12.7	4.76		KORLOY
1204AFTN													●						12.7	4.76		
1204AFFN														●					12.7	4.76		
1204AFEN											●				●	●			12.7	4.76		
SEHT1204AFFN-M																	●		12.7	4.76		

Cat. No.	H01	KW20	KC25	KP30	KC35	PTE 25	PFZ	MP91M	PMG	GH1	SK10	Insert shape	Size(mm) D1	S1	
SEKT09T3AFSN				●	●								12.7	4.76	KOVES
SEHT1204AFSN				●★	●★								12.7	4.76	
1204AFSN-M(43)	●★												12.7	4.76	
SEHW1204AFTN			●★												
SEET1204AFSN-M01						●			●				12.7	4.76	STELLRAM
1204AFFN-F01							●	●					12.7	4.76	
SEHT1204AF4B										●			12.7	4.76	
1204AFFN													12.7	4.76	
SEHW1204AFN											●		12.7	4.76	

ФРАКТАЛЬНІСТЬ
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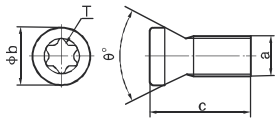
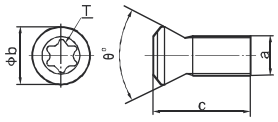
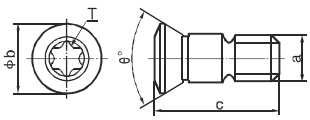
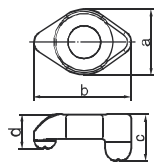
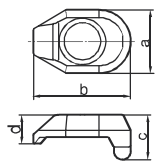
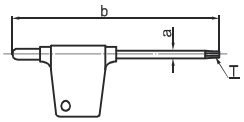
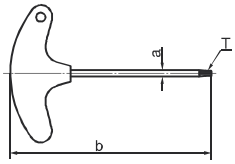
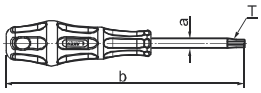
Mill mating parts

Shape	Cat. No	Size				
		a	ϕb	c	θ°	T
	A18040F	M1.8	2.5	4	50	T6
	A20050J	M2	3.2	5	60	T6
	A25060G	M2.5	3.5	6	55	T8
	A25065G	M2.5	3.5	6.5	55	T8
	A30075G	M3	4.2	7.5	55	T10
	A35085J	M3.5	5.3	8.5	60	T15
	A35100J	M3.5	5.3	10	60	T15
	A40090F	M4	5	9	50	T15
	A30070E	M3	4	7	45	T8
	A30070G	M3	4.3	7	55	T10
	A35080F	M3.5	5.1	8	50	T15
	A35100F	M3.5	5.4	10	50	T15
	A40090G	M4	5.8	9	55	T15
	A40100J	M4	5.8	10	60	T15
	A50110D	M5	6.6	11	38	T20
	A50115J	M5	7	11.5	60	T20
	A50120J	M5	7.4	12	60	T20
	A30070J-4R	M3	4.2	7	60	T8
	A40090J-5R	M4	5.7	9	60	T15
	A50090J-6R	M5	6.7	9	60	T20
	A50130J-8R	M5	7.4	13	60	T20
	A50165J-10R	M5	8	16.5	60	T20
	A60210J-12.5R	M6	11	21	60	T30
	A80250J-15R/16R	M8	12.8	25	60	T30

Shape	Cat. No	Size			
		a	b	c	d
	A-4R	6	9.1	4.85	3.35
	A-5R	7.5	10	5.8	4.5
	A-6R	8.5	12.65	6	4.5
	A-8R	9.8	15	6.45	5.3
	AMS-4	9	13.4	5.65	3.4
	AMS-5	10.2	15.15	8	4.6
	CSY-15	7.5	11.6	5.3	3.4
	CSY-20	9.43	18.1	8.2	5.8

Mill mating parts

Shape	Cat. No	Size		
		a	b	T
	T6F	2.5	75	T6
	T7F	2.5	75	T7
	T8F	3	85	T8
	T9F	3	85	T9
	T10F	3	85	T10
	T15F	4	90	T15
	T20F	4	90	T20
	T15T	5	120	T15
	T20T	5	120	T20
	T25T	5	120	T25
	T6D	2.5	115	T6
	T7D	2.5	115	T7
	T8D	3	160	T8
	T9D	3	160	T9
	T10D	3	160	T10
	T15D	5	180	T15
	T20D	5	180	T20
	T25D	5	190	T25
	T30D	6	200	T30

C