



For more information

Shoulder milling cutter

TUNG-TRI

Tungaloy Report No. 421S3-G

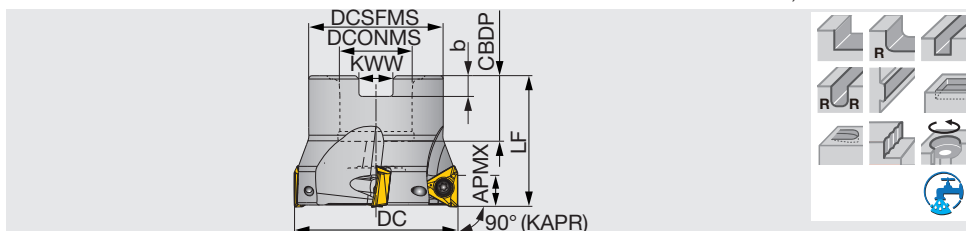
Square shoulder milling cutters featuring economical inserts with 3 cutting edges — **Expansion of cutter body lineup for insert size 10**



TPA10

Square shoulder milling, bore type cutter with screw-on system

GAMP = +9.5° ~ +11°, GAMF = -4.5° ~ -0.5°



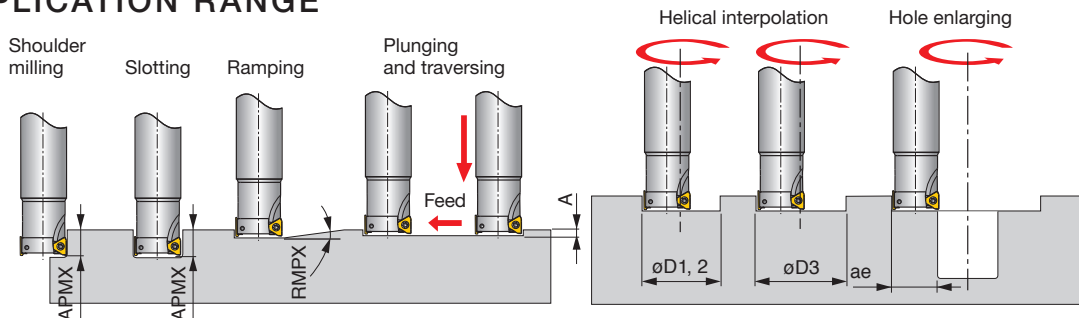
Designation	APMX	DC	CICT	DCSFMS	DCONMS	CBDP	LF	b	KWW	WT(kg)	Air hole	Insert
TPA10R040M16.0E04	10	40	4	35	16	18	40	5.6	8.4	0.2	with	TO*T10...
New TPA10R040M16.0E05	10	40	5	35	16	18	40	5.6	8.4	0.22	with	TO*T10...
TPA10R050M22.0E04	10	50	4	41	22	20	40	6.3	10.4	0.31	with	TO*T10...
New TPA10R050M22.0E05	10	50	5	41	22	20	40	6.3	10.4	0.29	with	TO*T10...
TPA10R063M22.0E06	10	63	6	41	22	20	40	6.3	10.4	0.51	with	TO*T10...
TPA10R080M25.4-07	10	80	7	58	25.4	26	50	6	9.5	1.04	with	TO*T10...
TPA10R080M27.0E07	10	80	7	58	27	22	50	7	12.4	1.04	with	TO*T10...
TPA10R100M31.7-08	10	100	8	70	31.75	32	63	8	12.7	2.02	with	TO*T10...
TPA10R100M32.0E08	10	100	8	60	32	28.5	50	8	14.4	2.02	with	TO*T10...

SPARE PARTS

Designation	Clamping screw	Grip	Lubricant	Center bolt	Torx bit
TPA10R040M16.0...	SR14-562/S	SW6-SD	M-1000	CM8X30H	BLDT10/S7
TPA10R050, 063M...	SR14-562/S	SW6-SD	M-1000	CM10X30H	BLDT10/S7
TPA10R080M...	SR14-562/S	SW6-SD	M-1000	CM12X30H	BLDT10/S7
TPA10R100M...	SR14-562/S	SW6-SD	M-1000	CM16X40H	BLDT10/S7

Recommended clamping torque: SR14-562/S = 3.5 N·m

APPLICATION RANGE



Designation	DC	Max. depth of cut APMX	Max. ramping angle RMPX	Max. plunging depth A	Min. machining diameter øD1	Max. machining diameter øD2	Max. cutting width in enlarging ae
New T/EPA10R040...	40	10	1.4°	0.6	72.1	79.6	39.5
New TPA10R050...	50	10	0.9°	0.6	92.1	99.6	49.5
TPA10R063...	63	10	0.8°	0.6	118.1	125.6	62.5
TPA10R080...	80	10	0.6°	0.6	152.1	159.6	79.5
TPA10R100...	100	10	0.5°	0.6	192.1	199.6	99.5

* Flat bottom hole

Note: Corner RE for dimensions of øD1, øD2 and øD3: RE = 0.4 for TPA10.



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