



For more information

High-feed milling cutter

MILLQ^{UAD}FEED

Tungaloy Report No. 502S2-US

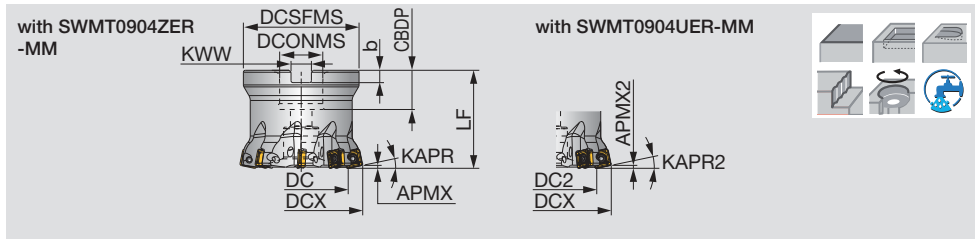
High feed milling cutters enabling long overhang applications and extended tool life — **Expansion of cutter body lineup for insert size 09**



TXSW09

High feed milling, bore type cutter with screw-on system

GAMP = +3.8°, GAMF = -3.5°



Inch	APMX	APMX2	DCX	CICT	DC	DC2	DCSFMS	DCONMS	CBDP	LF	KWW	b	KAPR	KAPR2	WT(lb)	Air hole	Insert
TXSW09U1.50B0.50R04	0.059	0.039	1.500	4	0.909	0.870	1.378	0.500	0.630	1.575	0.258	0.157	12°	7°	0.40	With	SWMT09...
TXSW09U1.50B0.50R05	0.059	0.039	1.500	5	0.909	0.870	1.378	0.500	0.630	1.575	0.258	0.157	12°	7°	0.40	With	SWMT09...
TXSW09U2.00B0.75R05	0.059	0.039	2.000	5	1.406	1.366	1.772	0.750	0.750	1.969	0.315	0.197	12°	7°	0.82	With	SWMT09...
TXSW09U2.00B0.75R07	0.059	0.039	2.000	7	1.406	1.366	1.772	0.750	0.750	1.969	0.315	0.197	12°	7°	0.84	With	SWMT09...
TXSW09U2.50B0.75R06	0.059	0.039	2.500	6	1.906	1.866	2.323	0.750	0.750	1.969	0.315	0.197	12°	7°	1.59	With	SWMT09...
TXSW09U2.50B0.75R08	0.059	0.039	2.500	8	1.906	1.866	2.323	0.750	0.750	1.969	0.315	0.197	12°	7°	1.61	With	SWMT09...
TXSW09U3.00B1.00R07	0.059	0.039	3.000	7	2.406	2.366	2.835	1.000	1.024	2.480	0.374	0.236	12°	7°	3.00	With	SWMT09...
TXSW09U3.00B1.00R10	0.059	0.039	3.000	10	2.406	2.366	2.835	1.000	1.024	2.480	0.374	0.236	12°	7°	3.06	With	SWMT09...
TXSW09U4.00B1.50R08	0.059	0.039	4.000	8	3.406	3.366	3.819	1.500	1.181	2.480	0.626	0.394	12°	7°	4.67	With	SWMT09...

Metric	APMX	APMX2	DCX	CICT	DC	DC2	DCSFMS	DCONMS	CBDP	LF	KWW	b	KAPR	KAPR2	WT(kg)	Air hole	Insert
TXSW09M040B16.0R04	1.5	1	40	4	25	24	38	16	18	40	8.4	5.6	12°	7°	0.2	With	SWMT09...
TXSW09M040B16.0R05	1.5	1	40	5	25	24	38	16	18	40	8.4	5.6	12°	7°	0.2	With	SWMT09...
New TXSW09M042B16.0R05	1.5	1	42	5	27	26	38	16	18	40	8.4	5.6	12°	7°	0.2	With	SWMT09...
TXSW09M050B22.0R05	1.5	1	50	5	35	34	47	22	20	50	10.4	6.3	12°	7°	0.37	With	SWMT09...
TXSW09M050B22.0R07	1.5	1	50	7	35	34	47	22	20	50	10.4	6.3	12°	7°	0.38	With	SWMT09...
TXSW09M052B22.0R05	1.5	1	52	5	37	36	49	22	20	50	10.4	6.3	12°	7°	0.42	With	SWMT09...
TXSW09M052B22.0R07	1.5	1	52	7	37	36	49	22	20	50	10.4	6.3	12°	7°	0.38	With	SWMT09...
TXSW09M063B22.0R06	1.5	1	63	6	48	47	59	22	20	50	10.4	6.3	12°	7°	0.69	With	SWMT09...
TXSW09M063B22.0R08	1.5	1	63	8	48	47	59	22	20	50	10.4	6.3	12°	7°	0.7	With	SWMT09...
New TXSW09M066B27.0R06	1.5	1	66	6	51	50	60	27	22	50	12.4	7	12°	7°	0.7	With	SWMT09...

INCH SPARE PARTS

Designation	Clamping screw	Grip	Lubricant	Shell locking bolt	Torx bit
TXSW09U...	CSPD-3	H-TB2W	M-1000	-	BLDIP10/S7

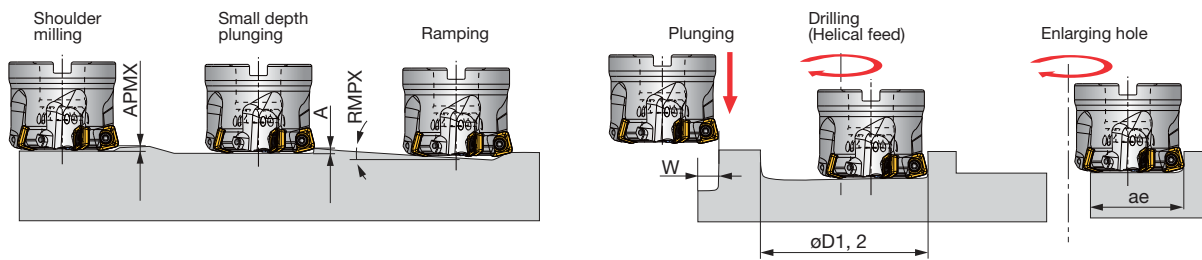
Recommended clamping torque (lbf·ft): CSPD-3=1.84

METRIC SPARE PARTS

Designation	Clamping screw	Grip	Lubricant	Shell locking bolt	Torx bit
TXSW09M04...	CSPD-3	H-TB2W	M-1000	FSHM8-30H	BLDIP10/S7
TXSW09M05...	CSPD-3	H-TB2W	M-1000	FSHM10-40H	BLDIP10/S7
TXSW09M063...	CSPD-3	H-TB2W	M-1000	CM10X30H	BLDIP10/S7
TXSW09M066...	CSPD-3	H-TB2W	M-1000	CM12X30H	BLDIP10/S7

Recommended clamping torque: CSPD-3 = 2.5 N·m

APPLICATION RANGE



Designation	Tool dia. DCX	Max. depth of cut		Max. plunging depth	Max. ramping angle		Max. cutting width in plunging		Min. machining dia.		Max. machining dia.		Max. cutting width in enlarging	
		APMX		A	RMPX		W		$\phi D1$		$\phi D2$		ae	
		SWMT 09**ZER	SWMT 09**UER	A	SWMT 09**ZER	SWMT 09**UER	SWMT 09**ZER	SWMT 09**UER	SWMT 09**ZER	SWMT 09**UER	SWMT 09**ZER	SWMT 09**UER	SWMT 09**ZER	SWMT 09**UER
TXSW09U1.50B0.50R04	0.157	0.059	0.039	0.012	1.9	2.2	0.276	0.295	2.370	2.331	2.882	2.882	1.165	1.146
TXSW09U2.00B0.75R05	0.197	0.059	0.039	0.012	1.2	1.4	0.276	0.295	3.370	3.331	3.882	3.882	1.665	1.646
TXSW09U2.50B0.75R06	0.197	0.059	0.039	0.012	0.9	0.9	0.276	0.295	4.370	4.331	4.882	4.882	2.165	2.146
TXSW09U2.50B0.75R08	0.197	0.059	0.039	0.012	0.9	0.9	0.276	0.295	4.370	4.331	4.882	4.882	2.165	2.146
TXSW09U3.00B1.00R07	0.236	0.059	0.039	0.012	0.7	0.8	0.276	0.295	5.370	5.331	5.882	5.882	2.665	2.646
TXSW09U3.00B1.00R10	0.236	0.059	0.039	0.012	0.4	0.6	0.276	0.295	5.370	5.331	5.882	5.882	2.665	2.646
TXSW09U4.00B1.50R08	0.394	0.059	0.039	0.012	0.5	0.6	0.276	0.295	7.370	7.331	7.882	7.882	3.665	3.646

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