Member IMC Group Tungaloy INDUSTRY 4.0

MillLine

For more information

Profile milling cutter

DOTWIST BALL

Tungaloy Report No. 507S2-G

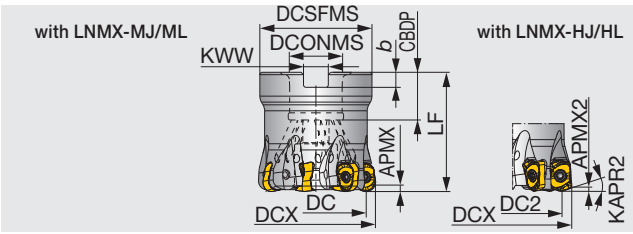
Accelerated profiling milling — Expansion of cutter body lineup for insert size 04

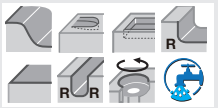
TUNGALOY ADDFORCE ACCELERATED LINES

TXLN

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

GAMP= +3°, GAMF= -13°





Designation	APMX	APMX2	DCX	CICT	DC	DC2	KAPR2	DCSFMS	LF	DCONMS	CBDP	KWW	b	WT(kg)	Air hole	Insert
TXLN04M040B16.0R06	4	1.3	40	6	32.2	31.6	20	35	40	16	18	8.4	5.6	0.21	With	LNMX04...
TXLN04M042B16.0R06	4	1.3	42	6	34.2	33.6	20	35	40	16	18	8.4	5.6	0.21	With	LNMX04...
TXLN04M050B22.0R07	4	1.3	50	7	42.2	41.6	20	47	50	22	20	10.4	6.3	0.45	With	LNMX04...
TXLN04M052B22.0R07	4	1.3	52	7	44.2	43.6	20	47	50	22	20	10.4	6.3	0.47	With	LNMX04...
TXLN04M063B22.0R07	4	1.3	63	7	55.2	54.6	20	59	50	22	20	10.4	6.3	0.76	With	LNMX04...
New TXLN04M066B27.0R07	4	1.3	66	7	58.2	57.6	20	60	50	27	22	12.4	7	0.74	With	LNMX04...

SPARE PARTS

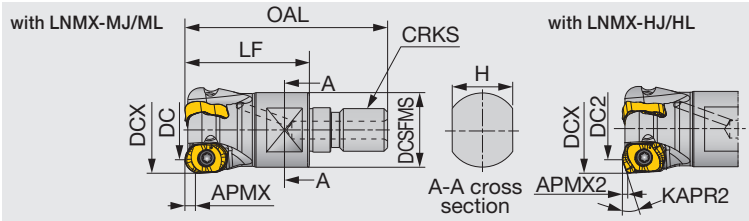
Designation	Clamping screw	Torx bit	Grip	Shell locking bolt
TXLN04M04*B16.0R06	CSPD-3	BLD IP10/S7	SW6-SD	FSHM8-30H
TXLN04M05*B22.0R07, TXLN04M063B22.0R07	CSPD-3	BLD IP10/S7	SW6-SD	CM10X30H
TXLN04M066B27.0R07	CSPD-3	BLD IP10/S7	SW6-SD	CM12X30H

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

HXLN04-M

High feed and profile milling, TungFlex modular type with screw-on system

GAMP= +3°, GAMF= -12° ~ -14°



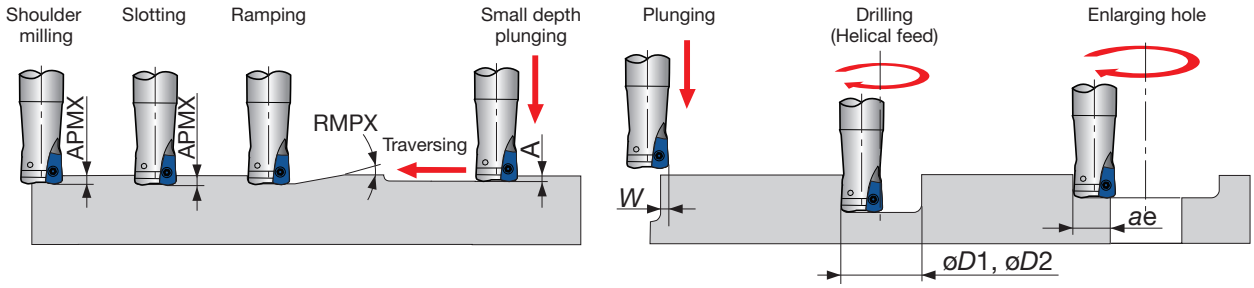
Designation	APMX	APMX2	DCX	CICT	DC	DC2	KAPR2	OAL	LF	H	DCSFMS	CRKS	WT(kg)	Air hole	Insert
HXLN04M020M10R02	4	1.3	20	2	12.2	11.6	20°	49	30	15	18	M10	0.07	With	LNMX04...
HXLN04M025M12R03	4	1.3	25	3	17.2	16.6	20°	57	35	17	21	M12	0.16	With	LNMX04...
HXLN04M032M16R04	4	1.3	32	4	24.2	23.6	20°	63	40	22	29	M16	0.2	With	LNMX04...
HXLN04M032M16R05	4	1.3	32	5	24.2	23.6	20°	63	40	22	29	M16	0.2	With	LNMX04...
HXLN04M040M16R06	4	1.3	40	6	32.2	31.6	20°	63	40	22	29	M16	0.24	With	LNMX04...
New HXLN04M042M16R06	4	1.3	42	6	34.2	33.6	20°	63	40	22	29	M16	0.26	With	LNMX04...

SPARE PARTS

Designation	Clamping screw	Mono block wrench
HXLN04...	CSPD-3	IP-10D

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

MACHINING APPLICATIONS



FOR RADIUS (MJ, ML)

Designation	DCX	Max. depth of cut APMX	Max. ramping angle RMPX	Max. plunging A	Max. cutting width in plunging W	Min. machining dia. øD1	Max. machining dia. øD2	Max. cutting width in enlarging ae
E/HXLN04M020…	20	4	4.5°	0.75	4	28	38	15
E/HXLN04M025…	25	4	2.9°	0.75	4	38	48	20
E/HXLN04M032…	32	4	1.9°	0.75	4	52	62	27
H/TXLN04M040...	40	4	1.2°	0.6	4	68	78	35
New H/TXLN04M042...	42	4	1.1°	0.6	4	72	82	37
TXLN04M050B22.0R07	50	4	0.9°	0.6	4	88	98	45
TXLN04M052B22.0R07	52	4	0.8°	0.6	4	92	102	47
TXLN04M063B22.0R07	63	4	0.7°	0.7	4	114	124	58
New TXLN04M066B27.0R07	66	4	0.6°	0.7	4	120	130	61

HIGH FEED (HJ, HL)

Designation	DCX	Max. depth of cut APMX	Max. ramping angle RMPX	Max. plunging A	Max. cutting width in plunging W	Min. machining øD1	Max. machining øD2	Max. cutting width in enlarging ae
E/HXLN04M020…	20	1.3	4.9°	0.7	4.1	27	38	15.5
E/HXLN04M025…	25	1.3	3°	0.7	4.1	37	48	20.5
E/HXLN04M032…	32	1.3	2°	0.7	4.1	51	62	27.5
E/TXLN04M040...	40	1.3	1.4°	0.7	4.1	67	78	35.5
New H/TXLN04M042...	42	1.3	1.3°	0.7	4.1	71	82	37.5
TXLN04M050B22.0R07	50	1.3	1°	0.7	4.1	87	98	45.5
TXLN04M052B22.0R07	52	1.3	0.9°	0.7	4.1	91	102	47.5
TXLN04M063B22.0R07	63	1.3	0.8°	0.7	4.1	113	124	58.5
New TXLN04M066B27.0R07	66	1.3	0.7°	0.7	4.1	119	130	61.5

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