

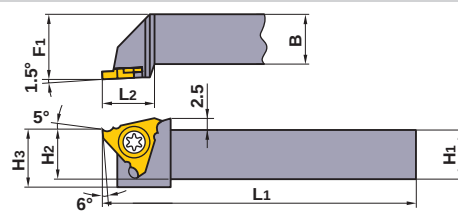
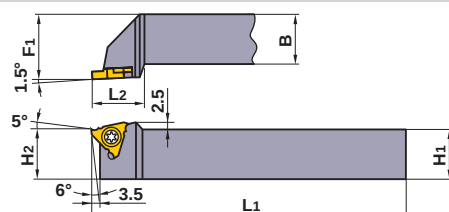
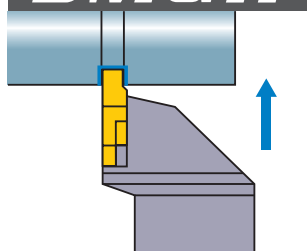
EXTERNAL GROOVING

SMG HOLDER

- Screw-on type.
- Positive insert suffers from negligible chattering.
- Applicable to narrow grooving and threading.
- Groove width 0.3—1.3mm.

SMGH

External grooving, Threading

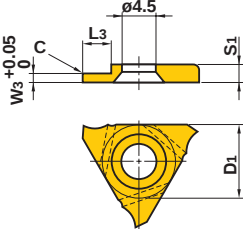


Right hand tool holder only.

Order Number	Stock	Insert Number		Dimensions (mm)							★	✎
	R	Grooving	Threading	H1	B	L1	L2	H2	F1	H3		
SMGHR1010E16	★	SMGTR 16×2000 16×2000C	SMTTR 16036000	10	10	70	16.5	10	12	14	FC400890T	TKY10F
1212F16	★			12	12	80	16.5	12	16	14	FC400890T	TKY10F
1616H16	★			16	16	100	20	16	20	—	FC400890T	TKY10F
2020K16	★			20	20	125	20	20	25	—	FC400890T	TKY10F
2525M16	★			25	25	150	20	25	32	—	FC400890T	TKY10F

★ Clamp Torque (N · m) : FC400890T=2.5

SMG INSERTS (GROOVING)

Order Number	Stock			Groove Width W ₃ (mm)	Dimensions (mm)				Geometry
	Cermet	Carbide			L ₃	D ₁	S ₁	C	
	NX2525	UTi20T	HTi10						
SMGTR16X2050			★	0.5	1.5	9.525	2	—	
16X2060	★	★	★	0.6	1.5	9.525	2	—	
16X2050C	★	★	★	0.5	1.5	9.525	2	0.05	
16X2060C	★	★	★	0.6	1.5	9.525	2	0.05	
16X2070C	★	★	★	0.7	2	9.525	2	0.05	
16X2075C	★	★	★	0.75	2	9.525	2	0.05	
16X2080C	★	★	★	0.8	2	9.525	2	0.1	
16X2090C	★	★	★	0.9	2	9.525	2	0.1	
16X2095C	★	★	★	0.95	2	9.525	2	0.1	
16X2100C	★	★	★	1	2.5	9.525	2	0.1	
16X2110C	★	★	★	1.1	2.5	9.525	2	0.1	
16X2120C	★	★	★	1.2	2.5	9.525	2	0.1	
16X2130C	★	★	★	1.3	2.5	9.525	2	0.1	

SMT INSERTS (THREADING)

Order Number	Stock	Dimensions (mm)	Thread Pitch (mm)	Geometry
	Carbide	Re		
SMTTR16036001	★	0.1	1.0—1.5	
16036002	★	0.2	1.75—2.0	

(Note) Wet cutting is recommended.

RECOMMENDED CUTTING CONDITIONS

	Work Material	Hardness	Grade	Cutting Speed (m/min)	Feed (mm/rev)
P	Carbon Steel Alloy Steel	180—280HB	UTi20T	100 (80—120)	0.07 (0.03—0.1)
			NX2525	130 (100—160)	0.07 (0.03—0.1)
M	Stainless Steel	≤200HB	UTi20T	130 (100—160)	0.1 (0.05—0.15)
K	Cast Iron	Tensile Strength ≤350MPa	UTi20T	100 (80—120)	0.1 (0.05—0.15)
			HTi10	350 (300—400)	0.1 (0.05—0.15)
N	Aluminium Alloy	—	HTi10	250 (200—300)	0.1 (0.03—0.15)
	Brass	—	HTi10	250 (200—300)	0.1 (0.03—0.15)
	Acrylic	—	HTi10	250 (200—300)	0.1 (0.03—0.15)

● : Inventory maintained. ★ : Inventory maintained in Japan.