

ROTATING TOOLS

MULTI FUNCTIONAL MILLING <CUTTING FOR ALUMINIUM ALLOY>



AXD7000

Light Alloy	Cast Iron	Carbon Steel Alloy Steel	Stainless Steel	Hardened Steel
➔				



- Low resistance inserts.
- Excellent wall accuracy.
- High spindle speeds possible.
- Multi functional milling.

C H : 0°
A.R : +11° T : +26°—+29°
R.R : +26°—+29° I : +11°

Fig.1

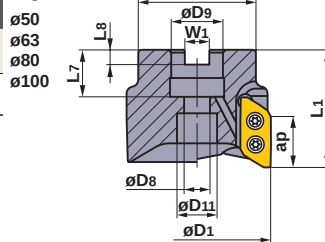
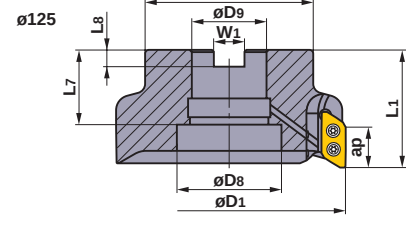


Fig.2



Right hand tool holder only.

Cutter Diameter D1	Set Bolt	Geometry	
φ50, φ63	HSC10030H	①	
φ80	12035H		
φ100	16040H		
φ125	MBA20040H	②	

ARBOR TYPE

Type	Insert Corner Re	Order Number	Stock R	Number of Teeth	Dimensions (mm)								Mass (kg)	Max. Depth of Cut ap (mm)	Ramping Angle α°	Max. Allowable Revolution (min ⁻¹)	Type (Fig.)					
					D1	L1	D9	L7	D8	D12	W1	L8						D11	Clamp Screw	Wrench	Anti-seize Lubricant	Insert
A type	0.8 3.2	AXD7000-050A03RA	●	3	50	50	22	20	11	45	10.4	6.3	17	0.4	21	9	30000	1	TS4SBL	TKY15D	MK1KS	XDGX2270○○ PDFR-GL
		-063A03RA	●	3	63	50	22	20	11	50	10.4	6.3	17	0.5	21	7	25000	1	TS4SBL	TKY15D	MK1KS	
		-080A04RA	●	4	80	63	27	23	13	63	12.4	7	20	1.2	21	5	23000	1	TS4SBL	TKY15D	MK1KS	
		-100A05RA	●	5	100	63	32	26	17	70	14.4	8	26	1.8	21	4	19000	1	TS4SBL	TKY15D	MK1KS	
		-125B06RA	●	6	125	63	40	40	56	90	16.4	9	—	2.7	21	3	16000	2	TS4SBL	TKY15D	MK1KS	
B type	4.0 5.0	AXD7000-050A03RB	●	3	50	50	22	20	11	45	10.4	6.3	17	0.4	20.4	8	30000	1	TS4SBL	TKY15D	MK1KS	
		-063A03RB	●	3	63	50	22	20	11	50	10.4	6.3	17	0.5	20.4	6	25000	1	TS4SBL	TKY15D	MK1KS	
		-080A04RB	●	4	80	63	27	23	13	63	12.4	7	20	1.2	20.4	4	23000	1	TS4SBL	TKY15D	MK1KS	
		-100A05RB	●	5	100	63	32	26	17	70	14.4	8	26	1.8	20.4	3	19000	1	TS4SBL	TKY15D	MK1KS	
		-125B06RB	●	6	125	63	40	40	56	90	16.4	9	—	2.7	20.4	2	16000	2	TS4SBL	TKY15D	MK1KS	

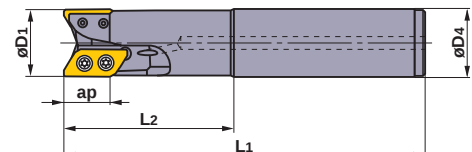
(Note 1) The maximum allowable spindle speeds are set to ensure tool and insert stability.

Before operating the tool read the operational guidance on page K053.

(Note 2) When using the tool at high spindle speeds, ensure that the tool and arbor are correctly balanced.

(Note 3) Note for inserts with a corner radius of 3.0 and above, as corner radius increases the L1 dimension decreases.

★ Clamp Torque (N • m) : TS4SBL=3.5



SHANK TYPE

Right hand tool holder only.

Type	Insert Corner Re	Order Number	Stock R	Number of Teeth	Dimensions (mm)				Max. Depth of Cut ap (mm)	Ramping Angle α°	Max. Allowable Revolution (min ⁻¹)	★ Clamp Screw	Wrench	Anti-seize Lubricant	Insert
A type	0.8 3.2	AXD7000R322SA32SA	●	2	32	170	80	32	21	19	41000	TS4SB	TKY15D	MK1KS	XDGX2270 PDFR-GL
		402SA40SA	●	2	40	170	80	42	21	13	36000	TS4SBL	TKY15D	MK1KS	
B type	4.0 5.0	AXD7000R322SA32SB	●	2	32	170	80	32	20.4	18	41000	TS4SB	TKY15D	MK1KS	
		402SA40SB	●	2	40	170	80	42	20.4	11	36000	TS4SBL	TKY15D	MK1KS	

(Note 1) The maximum allowable spindle speeds are set to ensure tool and insert stability.

Before operating the tool read the operational guidance on page K053.

(Note 2) When using the tool at high spindle speeds, ensure that the tool and milling chuck are correctly balanced.

(Note 3) Note for inserts with a corner radius of 3.0 and above, as corner radius increases the L1 and L2 dimensions decrease.

★ Clamp Torque (N • m) : TS4SB=3.5, TS4SBL=3.5

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