

ROTATING TOOLS

MULTI FUNCTIONAL
MILLING

Finishing



Roughing



APX3000

Light Alloy	Cast Iron	Carbon Steel Alloy Steel	Stainless Steel	Hardened Steel
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- High accuracy, high quality vertical wall.
- Low cutting force insert.
- With through air & coolant holes.

Fig.1

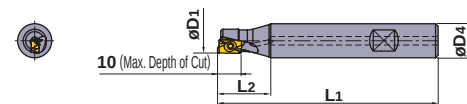


Fig.2

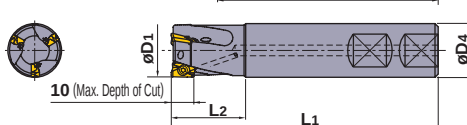
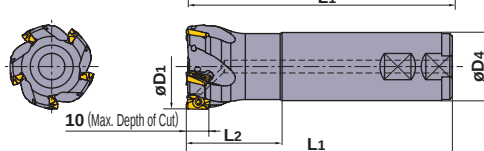


Fig.3



WELDON SHANK TYPE

Right hand tool holder only.

Type	Order Number	Stock R	Number of Teeth	Dimensions (mm)				Max. Ramping Angle α°	Max. Spindle Speed (min ⁻¹)	Type (Fig.)	* Clamp Screw	Wrench	Anti-seize Lubricant	Insert
				D1	D4	L1	L2							
Standard	APX3000R121WA16SA	●	1	12	16	85	25	6.0	10500	1	TPS25	TIP07F	MK1KS	AOMT 1236○○ PEER-○ AOGT 1236○○ PEFR-GM
	141WA16SA	●	1	14	16	85	25	6.0	9000	1	TPS25	TIP07F	MK1KS	
	162WA16SA	●	2	16	16	85	25	11.3	20900	2	TPS25	TIP07F	MK1KS	
	182WA16SA	●	2	18	16	85	25	8.6	19600	3	TPS25	TIP07F	MK1KS	
	202WA20SA	●	2	20	20	100	30	6.9	18500	2	TPS25	TIP07F	MK1KS	
	203WA20SA	●	3	20	20	100	30	6.9	18500	2	TPS25	TIP07F	MK1KS	
	223WA20SA	●	3	22	20	115	30	5.7	17600	3	TPS25-1	TIP07F	MK1KS	
	252WA25SA	●	2	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	253WA25SA	●	3	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	254WA25SA	●	4	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	284WA25SA	●	4	28	25	115	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	304WA32SA	●	4	30	32	125	45	3.4	14900	2	TPS25-1	TIP07F	MK1KS	
	323WA32SA	●	3	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	324WA32SA	●	4	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	325WA32SA	●	5	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	403WA32SA	●	3	40	32	125	45	2.2	12800	3	TPS25-1	TIP07F	MK1KS	
Long	APX3000R182WA16LA	●	2	18	16	120	25	8.6	19600	3	TPS25	TIP07F	MK1KS	
	202WA20LA	●	2	20	20	150	60	6.9	18500	2	TPS25	TIP07F	MK1KS	
	222WA20LA	●	2	22	20	150	30	5.7	17600	3	TPS25-1	TIP07F	MK1KS	
	253WA25LA	●	3	25	25	170	70	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	283WA25LA	●	3	28	25	170	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	353WA32LA	●	3	35	32	190	45	2.7	13700	3	TPS25-1	TIP07F	MK1KS	

(Note 1) When using inserts with corner radius $R \geq 2.4$, machining of the holder is required as shown on page K033.

(Note 2) The maximum allowable spindle speeds are set to ensure tool and insert stability.

(Note 3) When using the tool at high spindle speeds, ensure that the tool and arbor are correctly balanced.

★ Clamp Torque (N • m) : TPS25=1.0, TPS25-1=1.0

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