

Fig.1

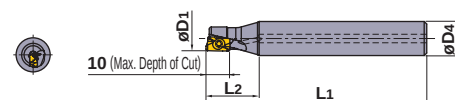


Fig.2

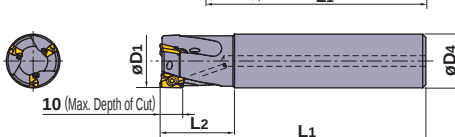
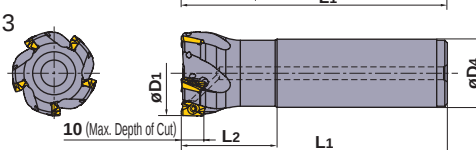


Fig.3



STRAIGHT SHANK TYPE

Right hand tool holder only.

Type	Order Number	Stock	Number of Teeth	Dimensions (mm)				Max. Ramping Angle α°	Max. Spindle Speed (min ⁻¹)	Type (Fig.)	   			
		R		D1	D4	L1	L2				Clamp Screw	Wrench	Anti-seize Lubricant	Insert
Standard	APX3000R121SA16SA	★	1	12	16	85	25	6.0	10500	1	TPS25	TIP07F	MK1KS	
	141SA16SA	★	1	14	16	85	25	6.0	9000	1	TPS25	TIP07F	MK1KS	
	162SA16SA	●	2	16	16	85	25	11.3	20900	2	TPS25	TIP07F	MK1KS	
	182SA16SA	★	2	18	16	85	25	8.6	19600	3	TPS25	TIP07F	MK1KS	
	202SA20SA	★	2	20	20	100	30	6.9	18500	2	TPS25	TIP07F	MK1KS	
	203SA20SA	●	3	20	20	100	30	6.9	18500	2	TPS25	TIP07F	MK1KS	
	223SA20SA	●	3	22	20	115	30	5.7	17600	3	TPS25-1	TIP07F	MK1KS	
	252SA25SA	★	2	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	253SA25SA	★	3	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	254SA25SA	●	4	25	25	115	35	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	284SA25SA	★	4	28	25	115	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	304SA32SA	★	4	30	32	125	45	3.4	14900	2	TPS25-1	TIP07F	MK1KS	
	323SA32SA	★	3	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	324SA32SA	★	4	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	325SA32SA	★	5	32	32	125	45	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	403SA32SA	★	3	40	32	125	45	2.2	12800	3	TPS25-1	TIP07F	MK1KS	
	405SA32SA	★	5	40	32	125	45	2.2	12800	3	TPS25-1	TIP07F	MK1KS	
	406SA32SA	★	6	40	32	125	45	2.2	12800	3	TPS25-1	TIP07F	MK1KS	
Long	507SA32SA	★	7	50	32	125	45	1.7	11300	3	TPS25-1	TIP07F	MK1KS	AOMT 1236○○ PEER-○
	638SA32SA	★	8	63	32	125	45	1.3	10000	3	TPS25-1	TIP07F	MK1KS	
	APX3000R182SA16LA	●	2	18	16	120	25	8.6	19600	3	TPS25	TIP07F	MK1KS	
	202SA20LA	●	2	20	20	150	60	6.9	18500	2	TPS25	TIP07F	MK1KS	
	222SA20LA	●	2	22	20	150	30	5.7	17600	3	TPS25-1	TIP07F	MK1KS	
	252SA25LA	★	2	25	25	170	70	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	253SA25LA	★	3	25	25	170	70	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	282SA25LA	★	2	28	25	170	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	283SA25LA	★	3	28	25	170	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	322SA32LA	★	2	32	32	190	90	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
Extra Long	323SA32LA	★	3	32	32	190	90	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	352SA32LA	★	2	35	32	190	45	2.7	13700	3	TPS25-1	TIP07F	MK1KS	
	353SA32LA	★	3	35	32	190	45	2.7	13700	3	TPS25-1	TIP07F	MK1KS	
	APX3000R182SA16ELA	●	2	18	16	180	25	8.6	19600	3	TPS25	TIP07F	MK1KS	
	202SA20ELA	★	2	20	20	200	70	6.9	18500	2	TPS25	TIP07F	MK1KS	
	222SA20ELA	★	2	22	20	200	30	5.7	17600	3	TPS25-1	TIP07F	MK1KS	
	252SA25ELA	★	2	25	25	220	80	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	253SA25ELA	★	3	25	25	220	80	4.6	16400	2	TPS25-1	TIP07F	MK1KS	
	282SA25ELA	★	2	28	25	220	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	283SA25ELA	★	3	28	25	220	35	3.8	15500	3	TPS25-1	TIP07F	MK1KS	
	322SA32ELA	★	2	32	32	260	100	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	323SA32ELA	★	3	32	32	260	100	3.1	14400	2	TPS25-1	TIP07F	MK1KS	
	352SA32ELA	★	2	35	32	260	45	2.7	13700	3	TPS25-1	TIP07F	MK1KS	
	353SA32ELA	★	3	35	32	260	45	2.7	13700	3	TPS25-1	TIP07F	MK1KS	

(Note 1) When using inserts with corner radius $R_{e} \geq 2.4$, 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