

ROTATING TOOLS

ARBOR TYPE



CH:0°
A.R.:+15°—+22° T: +21°—+28°
R.R.:+21°—+28° I: +15°—+22°

Fig.1

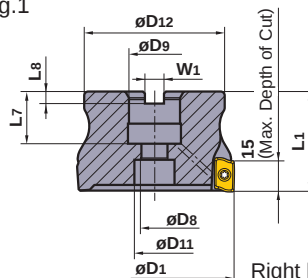
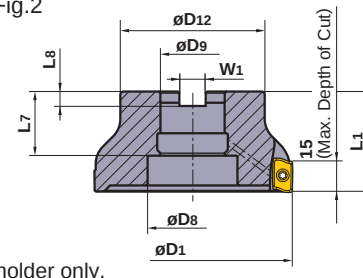


Fig.2



Right hand tool holder only.

Cutter Diameter D1	Set Bolt	Geometry	
$\phi 40$	HSC08030H	①	
$\phi 50, \phi 63$	10030H		
$\phi 80$	12035H		
$\phi 100$	16040H		
$\phi 125$	MBA20040H	②	
$\phi 160$	24045H		

Order Number	Stock	Number of Teeth	Dimensions (mm)									Mass (kg)	Max. Ramping Angle α°	Max. Spindle Speed (min ⁻¹)	Type (Fig.)				
	R		D1	L1	D9	L7	D8	D12	W1	L8	D11					Clamp Screw	Wrench	Anti-seize Lubricant	Insert
APX4000-040A04RA	●	4	40	40	16	18	9	34	8.4	5.6	14	0.2	6	14200	1	TPS43	TIP15W	MK1KS	AOMT 1848○○ PEER-M/H
-050A05RA	●	5	50	40	22	20	11	45	10.4	6.3	17	0.3	4	12400	1	TPS43	TIP15W	MK1KS	
-063A06RA	●	6	63	40	22	20	11	50	10.4	6.3	17	0.5	3	10800	1	TPS43	TIP15W	MK1KS	
-080A07RA	●	7	80	50	27	23	13	60	12.4	7	20	1.2	2	9300	1	TPS43	TIP15W	MK1KS	
-100A08RA	●	8	100	50	32	25	17	70	14.4	8	27	2.1	1.5	8100	1	TPS43	TIP15W	MK1KS	
-125A09RA	●	9	125	63	40	40	56	90	16.4	9	—	3.3	1	7100	2	TPS43	TIP15W	MK1KS	
-160A10RA	●	10	160	63	40	40	72	100	16.4	9	—	4.8	1	6100	2	TPS43	TIP15W	MK1KS	

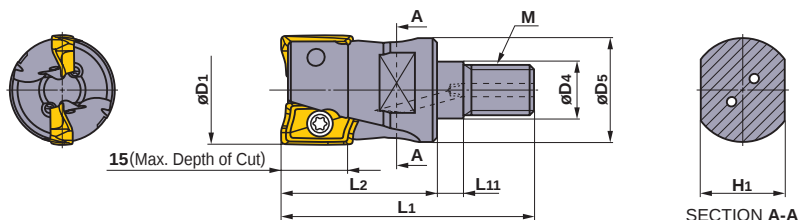
(Note 1) When using inserts with corner radius $Re \geq 3.2$, machining of the holder is required as shown on page K039.

(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) : TPS43=3.5

SCREW-IN TYPE



Right hand tool holder only.

Order Number	Stock	Coolant Hole	Number of Teeth	Dimensions (mm)								Mass (kg)	* 			
				D1	D4	D5	L1	L2	L11	H1	M					
APX4000R252M12A35	●	○	2	25	12.5	23.5	57	35	6	19	M12	0.2	TPS4	TIP15W	MK1KS	AOMT 1848○○ PEER-M/H
282M12A35	●	○	2	28	12.5	23.5	57	35	6	19	M12	0.2	TPS4	TIP15W	MK1KS	
322M16A40	★	○	2	32	17	28.5	63	40	6	24	M16	0.3	TPS4	TIP15W	MK1KS	
323M16A40	●	○	3	32	17	28.5	63	40	6	24	M16	0.3	TPS4	TIP15W	MK1KS	
352M16A40	★	○	2	35	17	28.5	63	40	6	24	M16	0.3	TPS4	TIP15W	MK1KS	
353M16A40	★	○	3	35	17	28.5	63	40	6	24	M16	0.3	TPS4	TIP15W	MK1KS	
403M16A40	★	○	3	40	17	28.5	63	40	6	24	M16	0.3	TPS43	TIP15W	MK1KS	
404M16A40	●	○	4	40	17	28.5	63	40	6	24	M16	0.3	TPS43	TIP15W	MK1KS	

(Note 1) When using inserts with corner radius $Re \geq 3.2$, machining of the holder is required as shown on page K039.

(Note 2) For screw-in type arbors, refer to page K118—K119.

* Clamp Torque (N • m) : TPS4=3.5, TPS43=3.5

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