

Right Angle 4-Corner MSO90



Shouldering

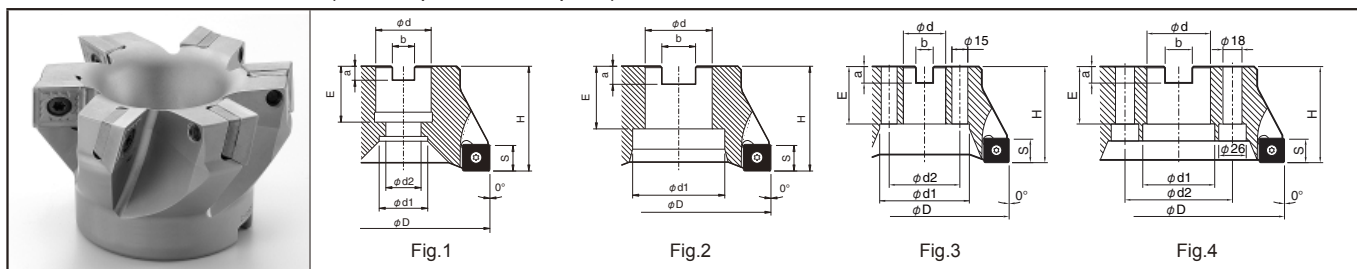


Slotting



Facing

MSO90 Face Mill (Coarse pitch / Close pitch)



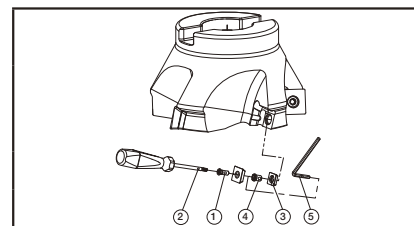
Toolholder Dimensions

Description			Std.	No. of Insert	Dimension (mm)								Rake Angle (°)		Drawing	Weight (kg)	
					øD	ød	ød1	ød2	H	E	a	b	S	A.R.			R.R.
Metric	Coarse pitch	MSO 90063R-15-4T-M	●	4	63	22	17	11	50	21	6.3	10.4	13	+15°	-9.5°	Fig.1	0.6
		90080R-15-4T-M	●	4	80	27	20	14		24	7	12.4			-9°		0.8
		90100R-15-5T-M	●	5	100	32	48	-	60	32	8	14.4			-8.5°	Fig.2	1.3
		90125R-15-6T-M	●	6	125	40	59			36	9	16.4			-8°		2.3
		90160R-15-7T-M	●	7	160		81	66.7	30	Fig.3		4.1					
		90200R-15-9T-M	●	9	200	60	68	101.6	32		14	25.7			-7.5°	Fig.4	7.1
	Close pitch	MSO 90063R-15-5T-M	●	5	63	22	17	11	50	21	6.3	10.4	13	+15°	-9.5°	Fig.1	0.6
		90080R-15-6T-M	●	6	80	27	20	14		24	7	12.4			-9°		0.8
		90100R-15-6T-M	●	6	100	32	48	-	60	32	8	14.4			-8.5°	Fig.2	1.3
		90125R-15-7T-M	●	7	125	40	59			36	9	16.4			-8°		2.3
		90160R-15-9T-M	●	9	160		81	66.7	30	Fig.3		4.1					
		90200R-15-11T-M	●	11	200	60	68	101.6	32		14	25.7			-7.5°	Fig.4	7.1
Bore Dia. Inch spec	Coarse pitch	MSO 90080R-15-4T	○	4	80	25.4	20	13	50	26	6	9.5	13	+15°	-9°	Fig.1	0.8
		90100R-15-5T	○	5	100	31.75	48	-	60	32	8	12.7			-8.5°		1.3
		90125R-15-6T	○	6	125	38.1	59			68	63	38			10	15.9	-8°
		90160R-15-7T	○	7	160	50.8	101.6	38	11			19.1			-7.5°	4.1	
		90200R-15-9T	○	9	200	47.625			14			25.4			-7.5°	Fig.4	7.1
	Close pitch	MSO 90080R-15-6T	○	6	80	25.4	20	13	50	26	6	9.5	13	+15°	-9°	Fig.1	0.8
		90100R-15-6T	○	6	100	31.75	48	-	60	32	8	12.7			-8.5°		1.3
		90125R-15-7T	○	7	125	38.1	59			38	10	15.9			-8°	Fig.2	2.3
		90160R-15-9T	○	9	160	50.8	68				38	11			19.1		-7.5°
		90200R-15-11T	○	11	200	47.625						101.6			14	25.4	-7.5°

Spare Parts

Description	① Clamp Screw	② Wrench	③ Shim	④ Clamp Screw	⑤ Wrench
MSO 90○○○R-15-○T-M	SB-45130TR	DTP-20	MSO-5200	SPW-6045	LW-4.5 (for Clamp Screw)
MSO 90○○○R-15-○T					

• Mounting bolts (HH12X35M) are included in MSO90080R-15-○T and MSO90080R-15-○T-M



Applicable Inserts

Toolholder	Applicable Inserts → M14
MSO90...R-09	SEMM09T308PESR
MSO90○○○R-15...	SEMM150408PESR

Recommended Cutting Conditions

Workpiece Material	fz (mm/t)	Recommended Insert Grade (Cutting Speed Vc : m/min)						
		Cermet	PVD Coated Carbide					Carbide
			TN100M	PR630	PR730	PR830	PR660	
Stainless Steel	~0.20	☆	120~200	☆	120~200	☆	120~200	100~200
Carbon Steel	~0.20	★	120~200	☆	120~200	★	100~180	100~180
Alloy Steel	~0.20	★	100~180	☆	100~180	★	80~150	
Mold Steel	~0.20	★	100~180	☆	80~150	★	60~130	
Cast Iron	~0.20							100~200
Non-ferrous Metals	~0.20							100~300

★ : 1st Recommendation ☆ : 2nd Recommendation

● : Std. Item ○ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)