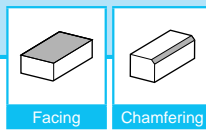
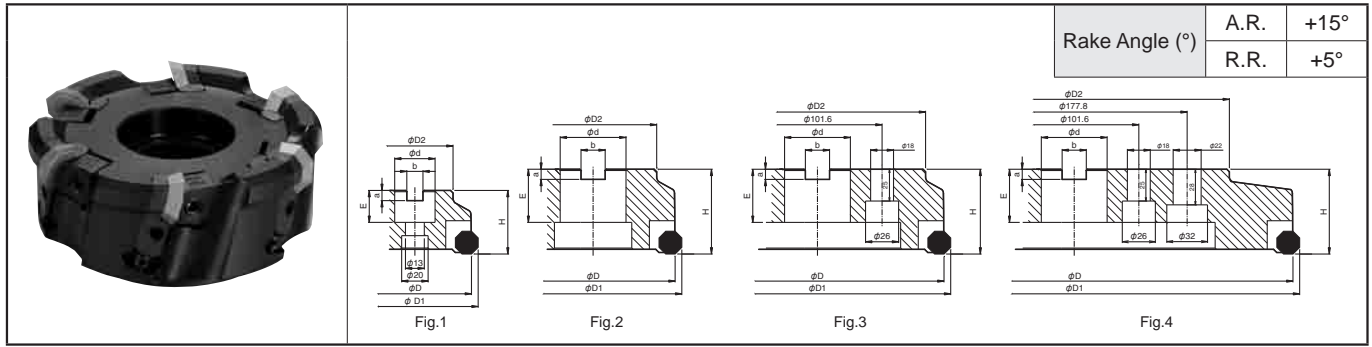


Octagonal MOFX Mill



MOFX45 Face Mill



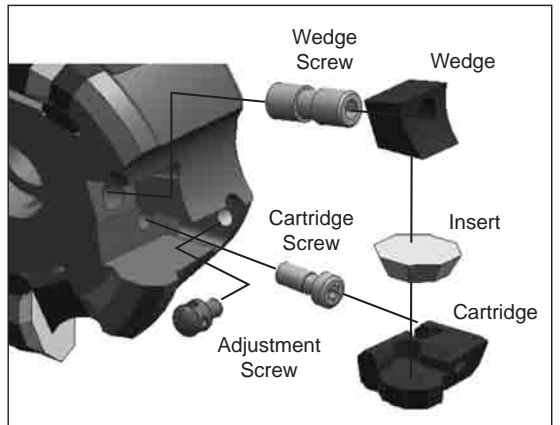
Rake Angle (°)	A.R.	+15°
	R.R.	+5°

Toolholder Dimensions

Description	Std.	No. of Inserts	Dimension (mm)											Drawing	Weight (kg)	Applicable Inserts ● M13
			øD	øD1	øD2	ød	ød1	ød2	a	b	E	H				
Metric	MOFX 45080R07-5T-MSF	●	5	80	91	70	27	20	14	7	12.4	22	50	Fig.1	1.4	OFMR07 Type
	45100R07-6T-MSF	●	6	100	111	80	32			8	14.4					
	45125R07-8T-MSF	●	8	125	136	100	40			9	16.4	30	Fig.2	3.9		
	45160R07-10T-MSF	●	10	160	171	120				10						
	45200R07-12T-MSF	●	12	200	211	140	60			15	25.4	38	63	Fig.3	7.4	
	45250R07-16T-MSF	●	16	250	261	180										
	45315R07-20T-MSF	□	20	315	326	240								Fig.4	20.7	
Bore Dia. Inch spec	MOFX 45080R-07-5T-SF	□	5	80	91	70	25.4	20	14	6	9.5	26	50	Fig.1	1.4	OFMR07 Type
	45100R-07-6T-SF	□	6	100	111	80	31.75			8	12.7	32				
	45125R-07-8T-SF	□	8	125	136	100	38.1			10	15.9	38	63	Fig.2	3.9	
	45160R-07-10T-SF	□	10	160	171	120	50.8			11	19.0					
	45200R-07-12T-SF	□	12	200	211	130	47.625			14	25.4	38	63	Fig.3	7.6	
	45250R-07-16T-SF	□	16	250	261	180										
	45315R-07-20T-SF	□	20	315	326	240								Fig.4	20.7	

Spare Parts

Cartridge	Cartridge Screw	Wedge	Wedge Screw	Adjustment Screw
LOF07R	SH-50150TR	WOF07R	W8×21	AJ-412
Wrench (for Wedge)	Wrench (for Cartridge)			
TH-4	TTC-20			





Features

- 1) Wedge clamp system
- 2) Good surface finish (Easy edge height adjustment system)
- 3) 8-edges insert provides high cost efficiency
- 4) High axial rake angle and double positive angle on chipbreaker provide low cutting force
- 5) SH chipbreaker (for general purpose / low cutting force) and GT chipbreaker (Tough edge)

● : Std. Item
□ : Check Availability

● Applicable Inserts

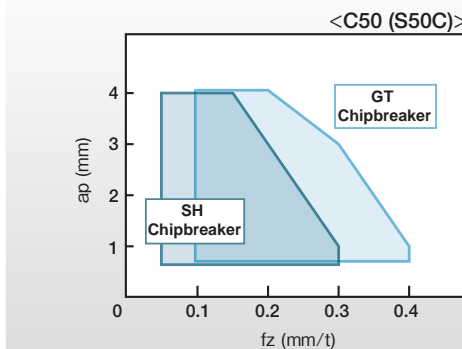
Description	Applicable Inserts M13	
		
MOFX45...-SF	OFMR 070405EN-SH	OFMR 070408EN-GT

For recommended cutting conditions, see page **M27**

Note 1) OFMR0704○○EN-GT / SH is no hand type. It can be also used for L-hand (L) type cutter (special order item).

Note 2) Inserts for MOFX type cutter cannot be used for MOF type cutters (See M26).

Chipbreaker range



Max ap and usable edges

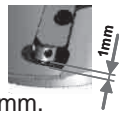
Usable edges	Max. ap (mm)
	OFMR07 types
4 edges	10mm
8 edges	4mm

How to Correct the Edge Fluctuation

1. Set the edge fluctuation adjustment screw



• Set the distance between the bottom of edge fluctuation adjustment screw and the cutter body to approximately 1 mm.



2. Set the cartridge



• Set the cartridge to the cutter body with the cartridge screw. Recommended torque: 5 Nm

3. Set the wedge



• After setting the insert to the cartridge, set the wedge with the wedge screw.

4. Loosen the screws (Preparation for edge fluctuation adjustment)



• Loosen the wedge screw by approximately 10°.
• Loosen the cartridge screw by approximately 45°.

5. Correct the front edge fluctuation



• Measure the front edge fluctuation. With reference to the most protruding edge, turn the edge fluctuation adjustment screw counterclockwise to correct the front edge fluctuation.

6. Make the final adjustment



• Tighten the cartridge screw Recommended torque: 5Nm
• Tighten the wedge screw Recommended torque: 6Nm
• Measure the front edge fluctuation again.

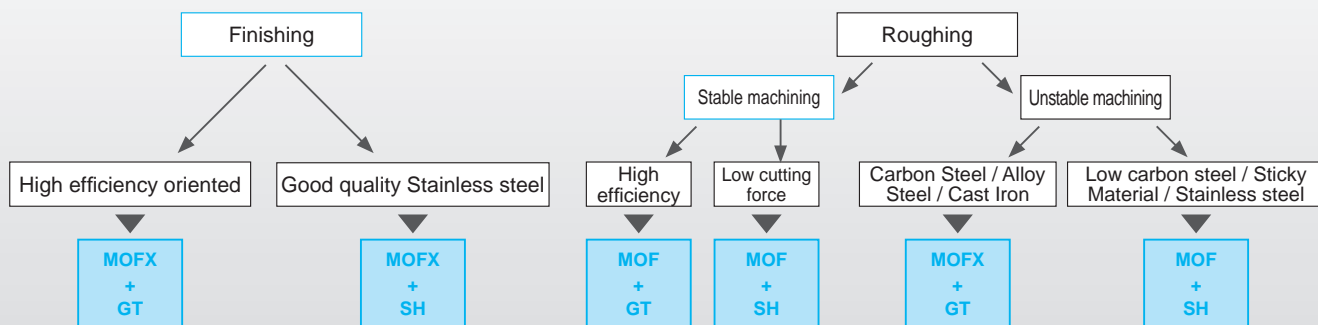
Outlines of MOFX / MOF Mill

[MOFX]

High durability of cutter body due to the cartridge design.
Best for finishing due to easy edge height adjustment.

[MOF] (See M26)

Excellent chip evacuation when roughing sticky materials such as low carbon steel and stainless steel.



MOFX is suitable for more precious machining and unstable machining.