

# FILING/DEBURRING

Portable Fine Finishing File

## MICRO AIR HAND

**Light weight, ultra-low vibration filer for polishing and lapping operations**

• Fine reciprocating motion best for precision parts filing

Model **MAH-05**

Model **MAH-16**



YouTube



**Reciprocating motion  
0.5 mm stroke**



**Reciprocating motion  
2.2 mm stroke**

### Mounting Examples

\*This holder can be used for polishing and lapping applications by mounting ceramic stones, etc. (Max size: Thickness 3.2 mm x Width 20 mm)



### Specifications

Model	MAH-05	MAH-16
Air Pressure	MPa (kgf/cm <sup>2</sup> ) 0.6 (6)	
Air Consumption (No-load)	m <sup>3</sup> /min 0.07	
Stroke Speed	22000	11000
Stroke Length	0.5	2.2
File Shank Size	mm 3	
Air Inlet Size	Rc 1/4	
Mass (Weight)	kg 0.37	
Accessories Included	<ul style="list-style-type: none"> <li>• Flat End Diamond File</li> <li>• Round End Diamond File</li> <li>• 2 mm Hex. Socket Screw Key</li> <li>• Bushing R 1/4 x NPT 1/4</li> </ul>	

### Optional Accessories

PN	Description	Sales Unit
TB11105	Flat End Diamond File 	5 pcs./set
TB11106	Round End Diamond File 	5 pcs./set
TB11107	Triangular End Diamond File 	5 pcs./set
TB11108	Half-round End Diamond File 	5 pcs./set
TB07506	Vise Holder 3 mm dia.* 	1 set

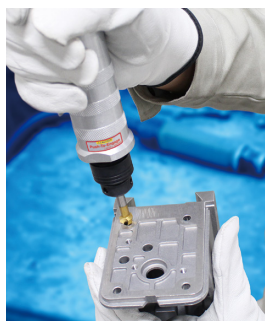
Pneumatic Deburring Tool

## BURR CUTTER

Model **BC-005**



YouTube



**For deburring machined holes**

- While gripping the lever, push the countersink into the machined holes to remove burrs
- Optimum speed can be obtained by the adjust valve, resulting in clear deburred surfaces
- Push-to-engage type prevents the countersink from coming off the hole and damaging the workpiece
- Replacement of the countersink is easy and quick with a set of three quick change chucks provided



### Specifications

Model	BC-005
Air Pressure	MPa (kgf/cm <sup>2</sup> ) 0.6 (6)
Air Consumption (No-load)	m <sup>3</sup> /min 0.22
Free Speed	min <sup>-1</sup> (rpm) 420
Deburring Hole diameter	mm 3 to 34
Countersink Shank Size	mm 6, 8, 10, 12*
Air Inlet Size	Rc 1/8
Mass (Weight)	kg 0.75
Accessories Included	<ul style="list-style-type: none"> <li>• Chuck 6 mm</li> <li>• Chuck 8 mm</li> <li>• Chuck 10 mm (Installed)</li> <li>• Suspension Bail</li> <li>• 2.5 mm Hex. Socket Screw Key</li> <li>• Bushing R 1/8 x NPT 1/4</li> </ul>

\*Chuck 12 mm is optional. (PN: TB09876)

Countersinks are not provided with the tool. Please purchase them locally.

### Compatibility table between chuck and countersink shank diameter

PN	Chuck	Appearance*	Countersink Shank Diameter (mm)	Overall Length of Chuck (mm)
TB09392	Chuck 6		6	49.5
TB09391	Chuck 8		8	49.5
TB09390	Chuck 10		10	49.5
TB09876	Chuck 12		12	60

\*indicates outer appearances of the chucks around the hex. socket head set screw.