

GRINDING/FILING

Portable Precision Finishing File

SUPER HAND

Fast, efficient filing, sanding and deburring tools

- Eliminates time consuming manual hand-filing operations
- Ideal for industrial production filing applications on steel, aluminum, brass, wood and other materials
- Unique and compact design delivers reduced vibration performance while reducing operator fatigue.
- Interchangeable files
- Rear exhaust system
- Weight reduced by half for comfortable operation over long period of time (ASH-900)

Model SH-100A

- Rugged construction for reliable performance



Model ASH-900

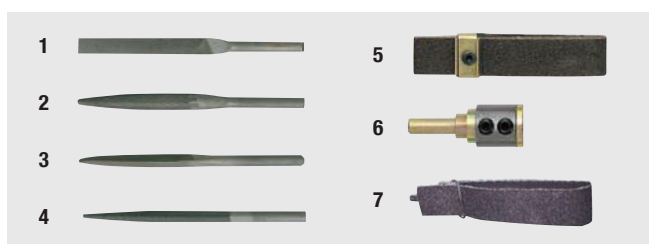
- Weight reduced by half for comfortable operation over long period of time



Specifications		SH-100A	ASH-900
Model			
Air Pressure	MPa (kgf/cm ²)		0.6 (6)
Air Consumption (No-load)	m ³ /min	0.24	0.13
Stroke Speed	min ⁻¹	3700	6300
Stroke Length	mm		9
File shank Size	mm	6.3	5.0
Inlet Size			Rc 1/4
Mass (Weight)	kg	1.1	0.5
Accessories Included		<ul style="list-style-type: none"> • Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 3 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4 • Air Hose E Ass'y 	<ul style="list-style-type: none"> • Rat Tail File SF-10 • Triangular Taper File SF-11 • Half Round File SF-12 • Flat File SF-13 • 2.5 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Ref. No.	PN	Description	Sales Unit
1	TA9A222	Rat Tail File SF-10	5 pcs./set
2	TA9A223	Triangular Taper File SF-11	
3	TA9A224	Half Round File SF-12	
4	TA9A225	Flat File SF-13	
5	TA91752	Rubber Pad Ass'y for SH-100A	1 set
6	TA94625	Supporter Ass'y for SH-100A (use with TA91752)	
7	TB04319	Sanding Pad Ass'y for ASH-900	



Portable Precision Finishing File

SUPER HAND LIGHT

Model SHL-40



Best suited for deburring of die-cast aluminum products and machined parts

- Small size, light-weight, and low-vibration model
- Reduced operator fatigue for greater productivity

Specifications

Model	SHL-40
Air Pressure	MPa (kgf/cm ²)
Air Consumption (No-load)	m ³ /min
Stroke Speed	min ⁻¹
Stroke Length	mm
File shank Size	mm
Inlet Size	
Mass (Weight)	kg
Accessories Included	<ul style="list-style-type: none"> • Flat File LF-13 • 2 mm Hex. Socket Screw Key • Bushing R 1/4 x NPT 1/4

Optional Accessories

Sales Unit: 3 pcs./set

Rat Tail File LF-10	80	3.0D
PN: TB09652		
Triangular Taper File LF-11	80	3.0D
PN: TB09654		
Half Round File LF-12	80	3.0D
PN: TB09653		
Flat File LF-13	80	3.0D
PN: TB09651		

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** 



Mounting Examples


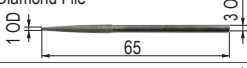

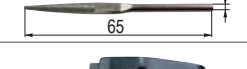

*This holder can be used for polishing and lapping applications by mounting ceramic stones, etc. (Max size: Thickness 3.2 mm x Width 20 mm)



Specifications

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

Optional Accessories

PN	Description	Sales Unit
TB07502	Flat End Diamond File 	5 pcs./set
TB07503	Round End Diamond File 	5 pcs./set
TB07504	Triangular End Diamond File 	5 pcs./set
TB07505	Half-round End Diamond File 	5 pcs./set
TB07506	Vice Holder* 	1 set

Pneumatic Deburring Tool

BURR CUTTER

Model **BC-005** 



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

*Chuck 12 mm is optional.

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

Compatibility table between chuck and countersink shank diameter

Chuck	Appearance*	Countersink Shank Diameter (mm)	Overall Length of Chuck (mm)
Chuck 6		6	49.5
Chuck 8		8	49.5
Chuck 10		10	49.5
Chuck 12		12	60

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