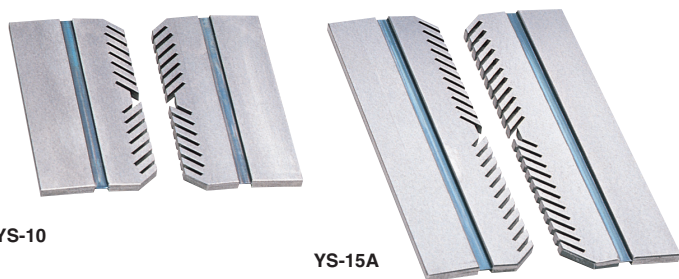


# HOLDING TOOLS

## Model YS WORK SUPPORTER\*

### Nonmagnetic workpiece supporter

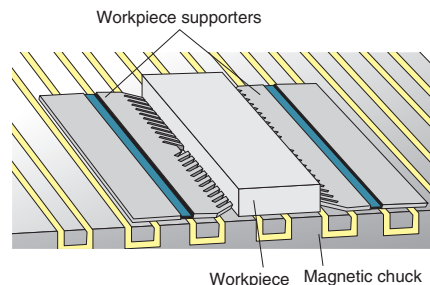


#### [Application]

These supporters can hold materials having weak magnetic properties such as carbide and materials such as aluminum, brass and stainless steel which cannot be held by magnetic chucks. They are held by a strong spring force on both sides and secured to the magnetic chuck.

#### [Features]

- These supporters are thin and therefore can be used for relatively thin workpieces.
- One set consists of two supporters.



YS-10

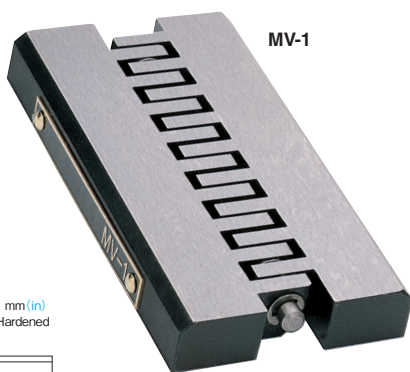
YS-15A

[mm (in)]

Model	Dimensions			Mass
	Length	Width	Thickness	
YS-10	100 (3.93)	45 (1.77)	4 (0.15)	100g/0.22 lb × 2
YS-15A	150 (5.90)			165g/0.36 lb × 2

※For all models, two pieces make one set.

## Model MV MINI V-ADAPTER



MV-1

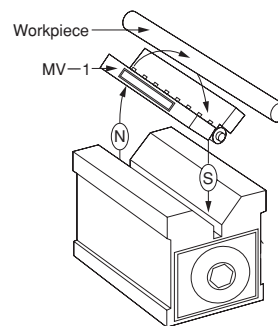
#### [Application]

This adapter itself is not magnetic, but when it is placed on a V-holder having the N pole and S pole on separate sides like Model KVA, it induces magnetism to hold small diameter workpieces that cannot be physically mounted directly. (See the figure below.) This adapter is recommended for holding workpieces during grinding, drilling and measurement.

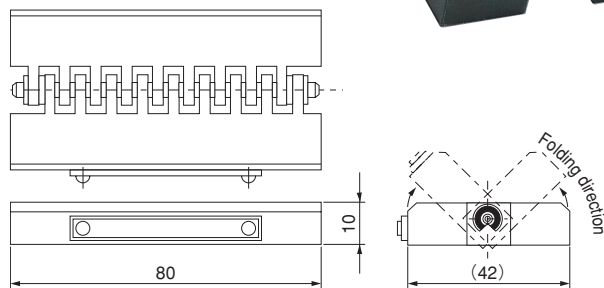
#### [Features]

- The attractive face can be set to any angle between 90 and 180 degrees.
- The hinge part acts as a separator to divide magnetic poles.

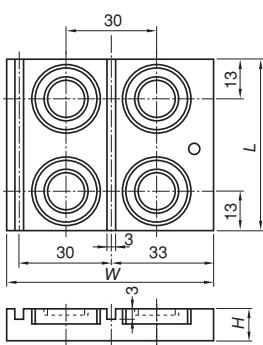
#### An example of usage



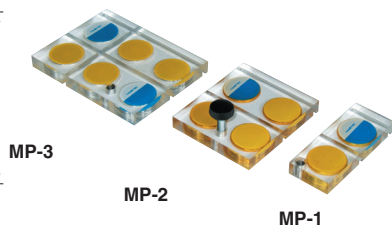
- Model: MV-1
- Dimensions: 80 (3.14) × (42) (1.65) × 10 (0.39) mm (in)
- Mass: 250 g / 0.55 lb ■ Parallelism: 0.006 ■ Hardened



## Model MP MAGPAD\*



M5 screws can be used to detach the Magpad from the workpiece.



[mm (in)]

Model	Holding Power	Dimensions			Mass
		Width	Length	Height	
MP-1	80N (8kgf)	66 (2.59)	26 (1.02)	9 (0.35)	35g/0.07 lb
MP-2	200N (20kgf)		56 (2.20)		70g/0.15 lb
MP-3	250N (25kgf)	86 (3.38)		110g/0.24 lb	

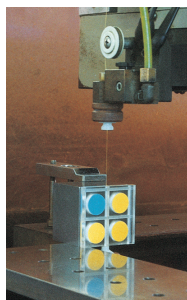
※The holding power is based on a test piece of SS400, 20 mm thick, ground surface.

#### [Application]

The Magpad is a device to prevent wire breakage by heat due to aerial discharge. It protects wire electrodes of wire electric discharge machines from scattering of coolant which is likely to occur at the start of discharging. This Magpad can also be used to prevent dislocation or falling of cut-out pieces at the start or end of cutting.

#### [Features]

- The Magpad is made of transparent acrylic plate incorporating powerful magnets. The Magpad has strong holding power and enables it to set a wire while monitoring its position visually.
- No mechanical clamp is required. Attaching and detaching can be done efficiently and without a fear of damaging workpieces.
- Various models are available to suit any workpiece shapes.
- There is no fear of rusting and the magnetic force is semi-permanent. The Magpad withstands repeated use and therefore is very economical.



ELECTROMAGNETIC CHUCK CONTROLLERS : MAGNETIC CHUCKS : ELECTROMAGNETIC CHUCKS  
PERMANENT CHUCKS : PERMANENT CHUCKS : ELECTROMAGNETIC CHUCKS  
BLOCKS FOR MC  
VACUUM CHUCKS  
PROMELTA\*  
SINE BAR CHUCKS  
BLOCKS HOLDERS : MINI CHUCKS  
HOLDING TOOLS  
MEASURING TOOL HOLDERS : HOLDERS  
MAGNETIC TOOLS  
MAGNETIC TOOLS