

**Model NH MAGNETIC TYPE NOZZLE HOLDER**

Parts available individually

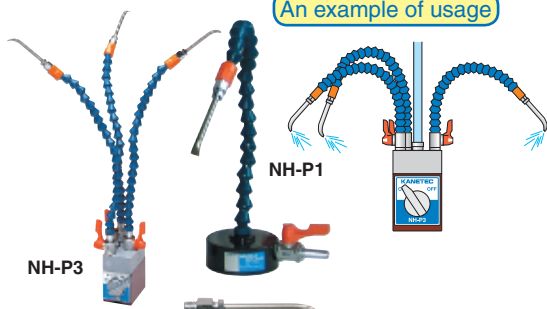
Flexible in all directions!!



NH-M1

An example of NH-M1 usage

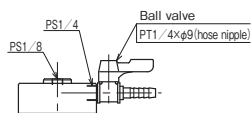
An example of usage



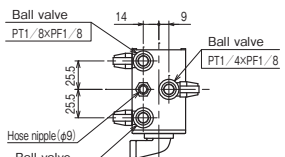
NH-P3

NH-P1

<Tip nozzle>  
(Available separately)



NH-P1/NH-M1 Details of thread size



NH-P3/NH-M3 Details of thread size

**[Application]**

This holder is used to supply cutting fluid or air to machine tools. This can also be used to remove chips and particles produced during electric discharge machining by injecting cutting liquid.

**[Features]**

- Compared with conventional products, flexibility has been extremely improved. The flexible part can be bent freely. (NH-M1, M3)
- By employing a metallic flexible part, the holding posture is maintained stably even when releasing high pressure air or a large amount of cutting fluid. In addition, it is highly resistant to thermal damage by chips and its durability has been improved. (NH-M1, M3)
- The powerful magnet enables the holder to be mounted in any position easily.
- The nozzle tip can be positioned in any posture and at any angle.
- The holder is equipped with a valve to enable adjustment of the flow rate.
- The adjustable hose can be adjusted in length by removing or adding joints. (NH-P)

Model	Holding Power	Nominal Size	Inlet Dia.	Hose Length	No. of Outlets	Mass
NH-P1	250N (25kgf)	φ 70 (2.75) × 27 (1.06)	φ 9 (0.35)	390 (15.3)	1 pc	0.95kg/2.1 lb
NH-P3	500N (50kgf)	48 (1.89) × 73 (2.87) × 54 (2.12)		420 (16.5)	3 pcs	1.65kg/3.6 lb
NH-M1	245N (25kgf)	φ 70 (2.75) × 31 (1.22)		400 (15.7)	1 pc	0.9kg/1.9 lb
NH-M3	490N (50kgf)	48 (1.89) × 73 (2.87) × 54 (2.12)		400 (15.7)	3 pcs	1.9kg/4.1 lb

※Upper limit of pressure: Adjustable hose (NH-P1, P3): Air pressure 0.34 MPa, liquid pressure 0.2 MPa Metallic flexible hose (NH-M1, M3): 0.6 MPa max. (Upper limit of flow rate: 10 liters/minute max.). However, depending on releasing angles, the posture of the hose may be changed by a jetting pressure even when the air/liquid pressure is below the upper limit. In such a case, turn the valve to reduce the flow rate.

※The hose length includes the stainless steel nozzle part (NH-P: 70 mm) at the tip.

※The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

※The magnet section of NH-M and NH-P is common. Therefore the upper section is interchangeable for mounting between NH-M and NH-P.

※NH-M1, M3: Flexible part φ 11 mm

**Model MDR MAGNETIC DRESSER**



MDR-1C

The dresser is not included.

Holding power  
**800N**

**[Application]**

A dressing tool for grinding wheels.

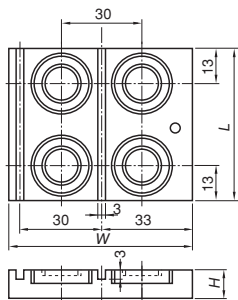
The dresser can be held firmly on a powerful magnetic holder base. Setting up is easy and reliable.

**[Features]**

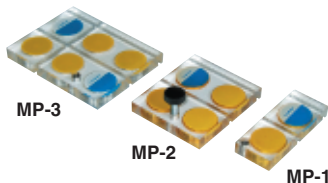
- The magnetic force can be turned on and off with the lever to facilitate mounting to and demounting from the machine table. (For setting on a magnetic chuck, power OFF the chuck and power ON this Dresser.)
- The dresser can be mounted at any angles.
- The dresser mounting clamp can be secured to either the side or the top of the magnetic holder base. (The photo shows the clamp mounted on the side.)

Model	Holding Power	Dimensions			Dresser Shaft Dia.	Mass
		Width	Length	Height		
MDR-1C	800N (80kgf)	50 (1.96)	58.5 (2.30)	55 (2.16)	φ 11 (0.43) and φ 12 (0.47)	1.2kg/2.64 lb

**Model MP MAGPAD\***



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



MP-3

MP-2

MP-1

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