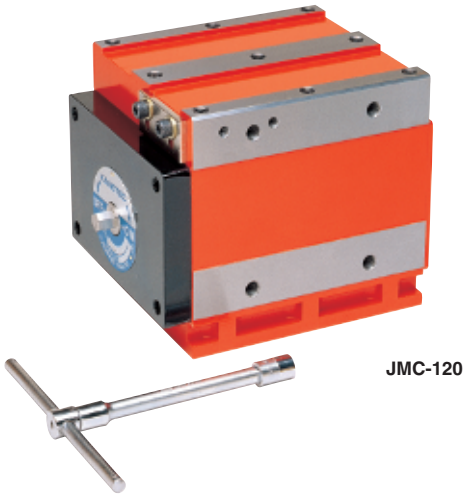
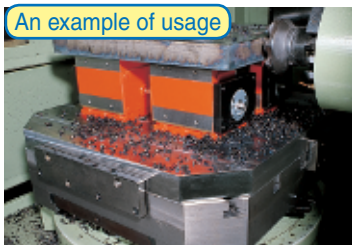
Model JMC MAGNETIC FIXTURE BLOCK

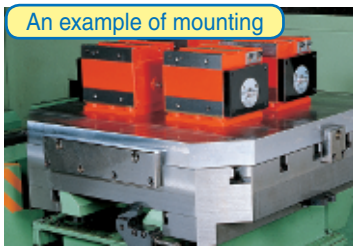


JMC-120

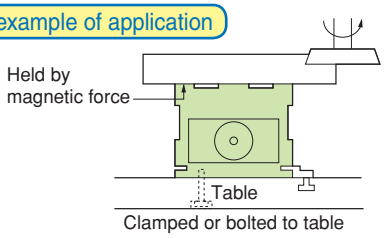
An example of usage

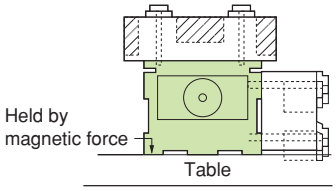


An example of mounting



An example of application





[Application]

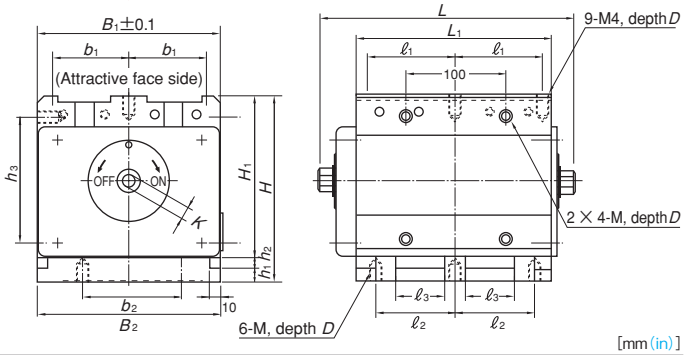
Permanent magnetic blocks to hold workpieces strongly on machines such as the MC and NC.

Two types of clamping are available; magnet type and mechanical type by use of threaded holes.

[Features]

- A powerful permanent magnet used generates a strong magnetic force.
- The workpiece mounting and demounting time can be reduced significantly.
- Iron and nonmagnetic workpieces can be held by a magnet and mechanical clamping.
- These blocks can be connected to allow relatively large workpieces to be set.
- The blocks can be mounted vertically by using threaded holes on three faces (both faces and bottom face) other than the attractive face.

indicates the attractive face.



[mm (in)]

Model	Holding Power	Holding Face				Mounting Face						Side Face		Others				Height	Mass
		B_1	L_1	b_1	ℓ_1	B_2	b_2	ℓ_2	ℓ_3	h_1	h_2	H_1	h_3	L	K	M	D	H	
JMC- 75	7.5kN (750kgf)	136 (5.35)	180 (7.08)	59 (2.32)	77 (3.03)	134 (5.27)	80 (3.15)	70 (2.75)	50 (1.96)	10 (0.39)	11 (0.43)	124 (4.88)	80 (3.15)	244 (9.60)	11 (0.43)	M10 (0.39)	15 (0.59)	145 (5.70)	25kg/ 55 lb
JMC-120	12kN (1200kgf)	180 (7.08)	198 (7.79)	78 (3.07)	87 (3.42)	178 (7.00)	100 (3.93)	80 (3.15)	48 (1.89)		16 (0.62)	166 (6.53)	125 (4.92)	264 (10.3)	13 (0.51)	M12 (0.47)	18 (0.70)	192 (7.55)	50kg/110 lb

※1. The holding power is based on a test piece of SS400, 50 mm thick, ground surface held on the whole face. 2. An operating handle is included. The connecting parts are optional.
3. When several blocks are connected and the same faces are used, ground them together after connecting blocks to obtain a required flatness.

Model EPB PERMANENT ELECTROMAGNETIC BLOCK

Power saving | Minimal heat generation | Environmentally friendly

Chuck controller required additionally

EPB-1F1625A

EPB-1F2525A

[mm (in)]

Model	Dimensions			Pole Size	No.of Poles	Holding Power	Mass	Electro Chuck Master
	W	L	H					
EPB-1F1625A	160 (6.29)	250 (9.84)	150 (5.90)	70 (2.75)	2	11.8kN	40kg/ 88 lb	EPS-P2100B
EPB-1F2525A	250 (9.84)				4	23.5kN	60kg/132 lb	
EPB-1F3333A	330 (12.9)	330 (12.9)			9	53kN	120kg/264 lb	

※The chuck controller is not included.
※Turning the permanent electromagnetic blocks on and off must be limited to once per several minutes. If on/off operations are repeated frequently, the blocks may be damaged by overheat.
※The holding power is based on a test piece of SS400, 50 mm thick, ground surface held on the whole face.

[Application]

Designed for holding workpieces on such machines as machining centers and NC machine tools. Most suitable for machining workpieces by 5-face machining centers, etc.

[Features]

- By securing a workpiece overhanging, the setup time on the 5-face machining center can be shortened.
- These blocks can be used in wet operations and therefore can be used like normal magnetic chucks.
- Since these blocks are of permanent electromagnetic type, the holding power is not affected by power failure or cable breakage. Also since very little heat is generated, thermal influence on workpiece is minimal.
- The metal connector design facilitates disconnection of the power cable. (Pallet change and external setup facilitated.)

An example of usage