

Model **CMR** HI-POWER MINI TYPE

ELECTROMAGNETIC CHUCK CONTROLLERS
PERMANENT MAGNETIC CHUCKS
PERMANENT ELECTROMAGNETIC CHUCKS



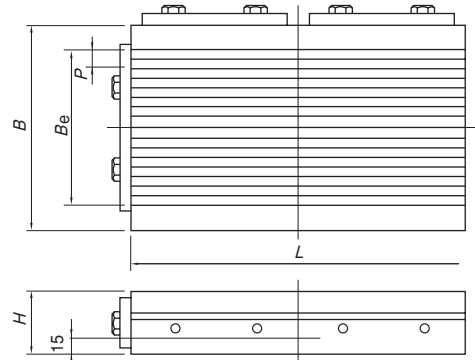
CMR-1018

[Application]

These permanent magnetic chucks are designed for securing workpieces of materials having a relatively weak magnetic property such as cemented carbide during grinding. They are normally mounted on and held by other chuck for use.

[Features]

- The use of a powerful rare earth magnet ensures a sufficient holding power even on cemented carbide materials.



[mm (in.)]

Model	Nominal Dimensions	Top Plate			Pole Pitch	Height	Holding Power	Mass
		B	L	Be				
CMR-1010	100(3.93) × 100(3.93)	100(3.93)	100(3.93)	72(2.83)	5(2+3) 0.19(0.07+0.11)	40(1.57)	210N(21kgf) on □50 × 125 carbide test piece	3.2kg/ 7.0 lb 5.7kg/12.5 lb
CMR-1018	100(3.93) × 180(7.08)		180(7.08)					

BLOCKS FOR MC
VACUUM CHUCKS

Model **CMR-H** HI-POWER MINI TYPE

PROMELTA SYSTEM
SINE BAR CHUCKS
MAGNETIC BLOCKS



CMR-H0709 (Standard pitch type)

[Application]

Permanent magnetic chucks for grinding operations to hold materials such as cemented carbide that cannot be secured fully.

[Features]

CMR-H

- Suitable mainly for relatively large and thick workpieces. The gap characteristic is excellent.
- The holding power has been increased 1.5 times max. from the conventional chucks.
- The separator part is made of stainless steel to enhance accuracy stability.

CMR-HW

- Works well on small, thin workpieces that cannot be held by conventional pitches.
- The holding power is 2 times max. (depending on materials) the conventional chucks.
- The separator part is made of stainless steel to enhance accuracy stability.



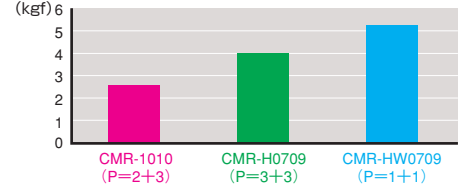
CMR-HW0709 (Fine pitch type)



Side slip measuring direction

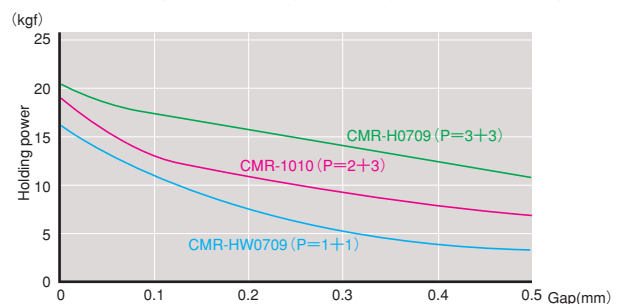
Comparison of side slip holding power

(G8 15×20×30)
Side slip holding power (kgf)



CMR-H type holding power characteristic

- Relation between gaps and holding power using □50 carbide test piece



Model	Nominal Dimensions	Height	Pole Pitch		Mass
			B	L	
CMR-H0709	65(2.55) × 90(3.54)	30(1.18)	6(3+3)	0.23(0.11+0.11)	1.3kg/2.8 lb
CMR-HW0709	120(4.72) × 150(5.90)	33(1.29)	2(1+1)	0.07(0.03+0.03)	3.6kg/7.9 lb
CMR-H1215			6(3+3)	0.23(0.11+0.11)	
CMR-HW1215	120(4.72) × 150(5.90)	33(1.29)	2(1+1)	0.07(0.03+0.03)	3.6kg/7.9 lb

[mm (in.)]