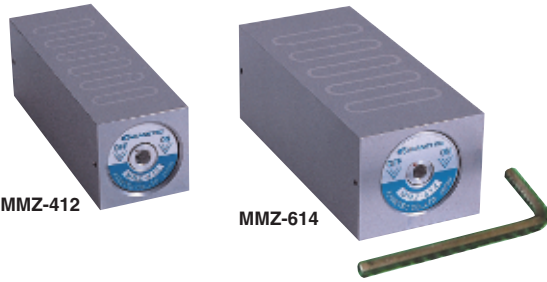


Model MMZ MAGNETIC MINI CHUCK

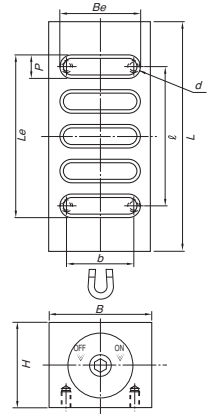


[Application]

These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregular-shaped workpieces in grinding and lightduty cutting. They are of drip-proof construction enabling them to hold workpieces in electric discharge machining fluid.

[Features]

- The magnetic force can be turned ON and OFF from either the front side or the rear side.
- The drip-proof construction allows use in fluid.

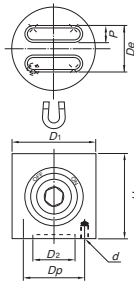
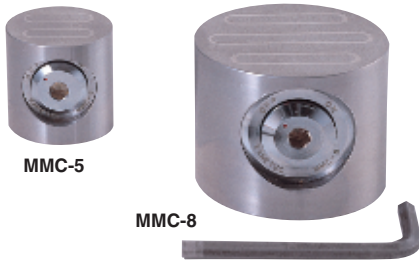


Model	Holding Power	Holding Face				Pole Pitch		Mounting Face			Height H	Handle Hole	Mass
		B	L	Be	Le	P	b	l	d				
MMZ-412	105N (10.5kgf)	40 (1.57)	115 (4.52)	29 (1.14)	84 (3.30)	7.5 (1.5+6) 0.29(0.05+0.23)	30 (1.18)	75 (2.95)	4-M5 (0.19) depth 7 (0.27)	40 (1.57)	Nominal 6 (0.23)	1.3kg/2.8 lb	
MMZ-614	400N (40kgf)	60 (2.36)	135 (5.31)	47 (1.85)	92 (3.62)	10 (2 + 8) 0.39(0.07+0.31)	40 (1.57)	80 (3.15)	4-M6 (0.23) depth 10 (0.39)	50 (1.96)		3.1kg/6.8 lb	

※ The holding power is based on a test piece of □50 x t25, S15C.

[mm (in)]

Model MMC MAGNETIC MINI CHUCK



[Application]

These chucks are used in combination with a magnetic chuck as an auxiliary holding tool for irregular-shaped workpieces in grinding and lightduty cutting. They can also be used for such applications as holding workpieces in advance to reduce the set-up time. Thus they can be used for continuous grinding of small and thin workpieces.

[Features]

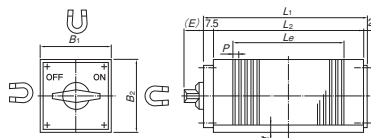
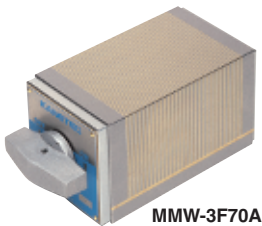
- These chucks are powerful with special construction using Alnico magnet steel.
- Although small, these chucks have an ON / OFF mechanism.

Model	Holding Power	Holding Face		Pole Pitch		Mounting Face			Height H	Handle Hole	Mass
		D ₁	D _e	P	D _p	D ₂	d				
MMC-5	85N (8.5kgf)	50 (1.96)	29 (1.14)	9.5 (1.5+8) 0.37 (0.06+0.31)	35 (1.37)	25 (0.98)	4-M5 (0.19) depth 7 (0.27)	50 (1.96)	Nominal 8 (0.31)	0.7kg/1.5 lb	
MMC-8	500N (50kgf)	80 (3.15)	54 (2.12)	10 (2 + 8) 0.39 (0.08+0.31)	60 (2.36)	50 (1.96)	4-M6 (0.23) depth 10 (0.39)	65 (2.55)		2.2kg/4.8 lb	

※ The holding power is based on a test piece of □50 x t25, S15C.

[mm (in)]

Model MMW MAGNETIC MINI CHUCK



[Application]

These chucks have three attractive faces and can be used in combination with a magnetic chuck. They are suitable for determining angles of small workpieces and angle grinding.

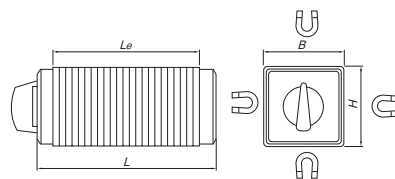
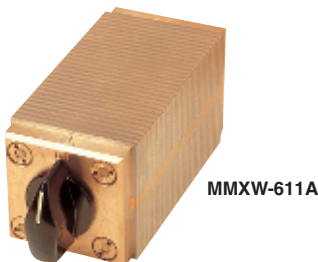
[Features]

- Since these chucks have three attractive faces, one face may be used for mounting the chuck and other faces for holding workpieces.
- They have magnetic poles arranged at micro pitches to hold small workpieces.
- They are of drip-proof construction.

Model	Nominal Dimension	Holding Power	Dimensions						Pole Pitch P	Squareness	Flatness	Mass	
			B ₁	B ₂	L ₁	L ₂	L	E					Le
MMW-3F50A	55 (2.16) × 115 (4.52)	600N (60kgf)	55 (2.16)	55 (2.16)	125.5	115	20.5 (0.80)	90.5	10	1.5 (0.5+1.0)	0.01	0.02	2.8kg/6.2 lb
MMW-3F70A	70 (2.75) × 115 (4.52)	900N (90kgf)	70 (2.75)	70 (2.75)	(4.94)	(4.52)	25.5 (1.00)	(3.56)	(0.39)	0.05 (0.02+0.03)			4.0kg/8.8 lb

※ The holding power is based on a test piece of □50 x t25, S15C, ground surface, with nothing held on other faces.

Model MMXW MAGNETIC MINI CHUCK



[Application]

These chucks are suitable for holding workpieces in such processes as grinding, boring, cutting, electric discharge machining, welding and assembly. Since four faces can hold workpieces simultaneously, they can be used as a magnet vice in a wide range of applications.

[Features]

- These are unique universal mini chucks capable of holding work-pieces on four faces.
- They can be used in such a way as to hold workpieces on the bed of machine tools or holding workpieces on the top and side faces simultaneously. They can also be used as a guide stopper to secure workpieces.
- The accuracy is as follows: flatness 0.01 mm, parallelism 0.02 mm, perpendicularity 0.03 mm.

Model	Holding Power		Dimensions			Pole Pitch P	Height H	Mass
	Two Face Holding	Full Face Holding	B	Le	L			
MMXW-611A	400N (40kgf) or over	60N (6kgf) or over	64 (2.52)	112 (4.40)	136 (5.35)	4 (2+2) 0.15 (0.07+0.07)	64 (2.52)	3.5kg/ 7.7 lb

※ The holding power is based on a test piece of □50 x t25, S15C, ground surface, with nothing held on other faces.

[mm (in)]

ELECTROMAGNETIC CHUCKS

CHUCK CONTROLLERS

PERMANENT ELECTROMAGNETIC CHUCKS

PERMANENT ELECTROMAGNETIC CHUCKS

BLOCKS FOR MC

VACUUM CHUCKS

PROMELTA SYSTEM

SINE BAR CHUCKS

MAGNETIC BLOCKS

WORKING TOOLS

MAGNETIC MEASURING TOOL HOLDERS

MAGNETIC HOLDERS

MAGNETIC TOOLS