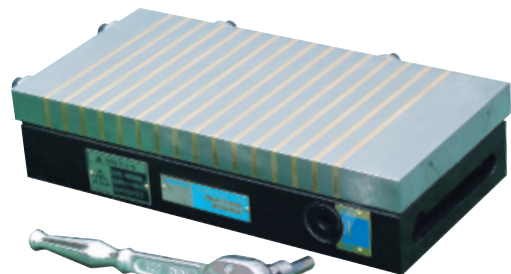


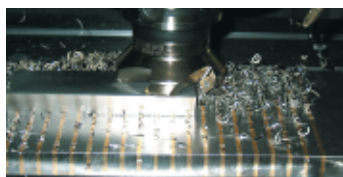
# PERMANENT MAGNETIC CHUCKS

## Model RMA SUPER POWERFUL PERMANENT MAGNETIC CHUCK FOR CUTTING

Greatest holding power in KANETEC permanent magnetic chuck series. New design of ON-OFF switch provides improved durability.



RMA-1530A



### [Application]

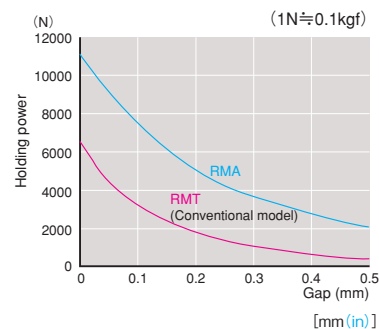
Usable for a wide range of applications from heavy duty cutting to heavy duty grinding. Also suitable for certain small workpieces and thin workpieces.

### [Features]

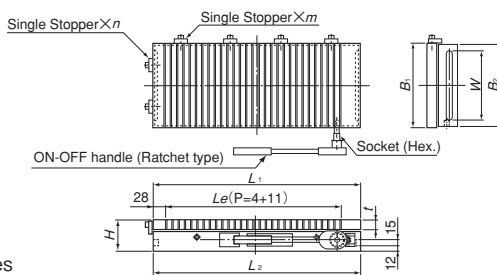
- Super powerful permanent magnetic chucks developed by special design for heavy duty cutting.
- Relatively fine pole pitches make the magnetism work effectively on certain small workpieces and thin workpieces.
- A drop in magnetic force due to air gaps is little, enabling heavy duty cutting of mill scale steel.
- The holding power is very strong, yet the operation of the select ratchet handle is light and safe. The handle is detachable for space saving.
- Usable in wet conditions.

### RMA type holding power characteristics

- Relation between gaps and holding power by use of □116 test piece



RMA-3060A and RMA-4060A require two places for ON-OFF ratchet operation.



Model	Nominal Size	Work Face				Mounting Face			Height	No. of Stoppers		Mass				
		B <sub>1</sub>	L <sub>1</sub>	t	L <sub>e</sub>	B <sub>2</sub>	L <sub>2</sub>	W		n	m					
RMA-1530A	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	23 (0.90)	229 (9.01)	146 (5.74)	296 (11.6)	115 (4.52)	69 (2.71)	2 pcs	2 pcs	24kg/ 53 lb				
RMA-1545A	150 (5.90) × 450 (17.7)		450 (17.7)		379 (14.9)		446 (17.5)				3 pcs	36kg/ 79 lb				
RMA-2050A	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)		424 (16.6)	196 (7.71)	496 (19.5)	165 (6.49)			73 (2.87)	4 pcs	4 pcs	56kg/ 123 lb		
RMA-2060A	200 (7.87) × 600 (23.6)		600 (23.6)		529 (20.8)		596 (23.4)						5 pcs	68kg/ 150 lb		
RMA-2550A	250 (9.84) × 500 (19.6)	250 (9.84)	500 (19.6)		424 (16.6)	246 (9.68)	496 (19.5)	215 (8.46)					4 pcs	4 pcs	4 pcs	71kg/ 156 lb
RMA-3060A	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)		544 (21.4)		296 (11.6)								596 (23.4)	265 (10.4)
RMA-4060A	400 (15.7) × 600 (23.6)	400 (15.7)	600 (23.6)	544 (21.4)	396 (15.5)	596 (23.4)	365 (14.3)	4 pcs	5 pcs	136kg/ 299 lb						

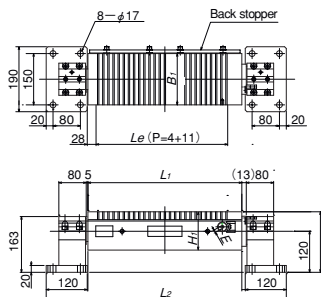
※ The ratchet handle (with socket) is included.

## Model RMA-U TILT TYPE POWERFUL PERMANENT MAGNETIC CHUCK

Greatest holding power in KANETEC tilt type permanent magnetic chucks!



RMA-1545U



### [Application]

Suitable for heavy duty grinding of inclined surfaces and light duty cutting.

### [Features]

- The strong holding power enables inclined cutting.
- A drop in magnetic force due to air gaps is minimal to make this type suitable for cutting of mill scale steel.
- The tilting angle can be set as desired in a range of 90° forward and 90° backward.
- A 200-mm wide type is also available.



An example of machining

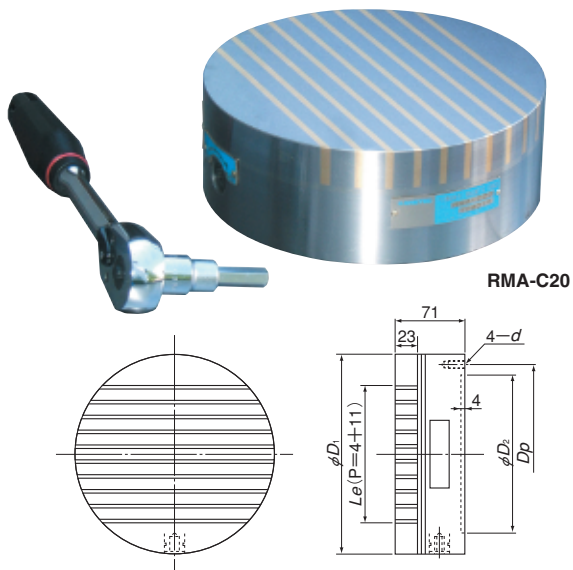
Model	Nominal Size	Work Face			Length	Height	Handle Hole		Mass
		B <sub>1</sub>	L <sub>1</sub>	L <sub>e</sub>			H <sub>1</sub>	E	
RMA-1530U	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	229 (9.01)	552 (21.7)	177 (6.96)	Hex. 8 (0.31)	66kg/ 145 lb	
RMA-1545U	150 (5.90) × 450 (17.7)		450 (17.7)	379 (14.9)	702 (27.6)			79kg/ 174 lb	
RMA-2050U	200 (7.87) × 500 (19.6)	200 (7.87)	500 (19.6)	424 (16.6)	752 (29.6)		Hex.10 (0.39)	108kg/ 238 lb	
RMA-2060U	200 (7.87) × 600 (23.6)		600 (23.6)	529 (20.8)	852 (33.5)			125kg/ 275 lb	

※ The ratchet handle (with socket) is included.

※ The scaled ring can be used to set an angle roughly. When it is necessary to set the angle accurately, use a sine bar or other suitable device. Note that when it is tilted forward, the ON-OFF operation will become difficult.

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

**Model RMA-C POWERFUL ROUND PERMANENT MAGNETIC CHUCK**



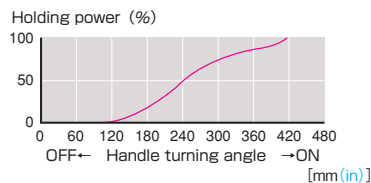
[Application]

Strong holding power for various cutting applications.

[Features]

- The magnetic force adjust feature ensures efficient positioning of workpieces for machining by a lathe.
- An easy-to-operate ratchet handle is employed for ON-OFF operation.
- Holding power 1.5 times greater than that of conventional models.

**Relation between handle turning angle and holding power (in the center of the attractive face)**

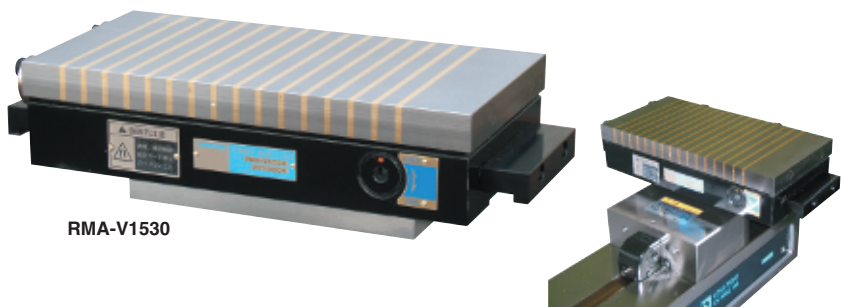


Model	Nominal Size	Work Face		Mounting Face			Mass
		D <sub>1</sub>	L <sub>e</sub>	D <sub>2</sub>	D <sub>p</sub>	d	
RMA-C16	160 (6.29)	160 (6.29)	109 (4.29)	125 (4.92)	140 (5.51)	M8 (0.31)	11kg/ 24.2 lb
RMA-C20	200 (7.87)	200 (7.87)	139 (5.47)	160 (6.29)	180 (7.08)	M8 (0.31)	17kg/ 37.4 lb
RMA-C25	250 (9.84)	250 (9.84)	184 (7.24)	200 (7.87)	224 (8.81)	M10 (0.39)	27kg/ 59.5 lb
RMA-C32	315 (12.4)	315 (12.4)	244 (9.60)	250 (9.84)	280 (11.0)	M10 (0.39)	43kg/ 94.8 lb
RMA-C40	400 (15.7)	400 (15.7)	319 (12.5)	315 (12.4)	355 (13.9)	M10 (0.39)	69kg/ 152 lb

※The ratchet handle (with socket) is included.

**Model RMA-V VICE CLAMP TYPE PERMANENT MAGNETIC CHUCK FOR CUTTING**

Heavy duty application

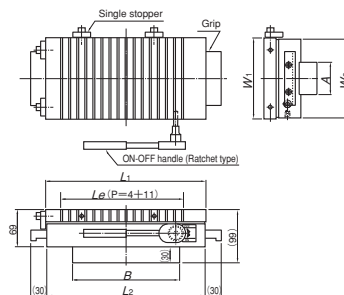


[Application]

Strong holding power for various cutting applications.

[Features]

- Direct clamping in a vice by use of a block for easy removal of the chuck.
- By securing a workpiece overhanging, 5 faces can be machined in one clamping.
- The setup work is done more efficiently than when setting a workpiece in a vice.



Model	Dimensions [mm (in)]							Holding Power	Mass
	W <sub>1</sub>	L <sub>1</sub>	W <sub>2</sub>	L <sub>2</sub>	L <sub>e</sub>	A	B		
RMA-V1325	125 (4.92)	250 (9.84)	121 (4.76)	246 (9.68)	184 (7.24)	50 (1.96)	150 (5.90)	10kN	18kg/ 39.6 lb
RMA-V1530	150 (5.90)	300 (11.8)	146 (5.74)	296 (11.6)	229 (9.01)	60 (2.36)	200 (7.87)	15kN	27kg/ 59.5 lb

※The ratchet handle (with socket) is included. ※For higher accuracy, the work face needs to be re-ground.

**Model RMAW FINE PITCH POWERFUL RECTANGULAR PERMANENT MAGNETIC CHUCK**

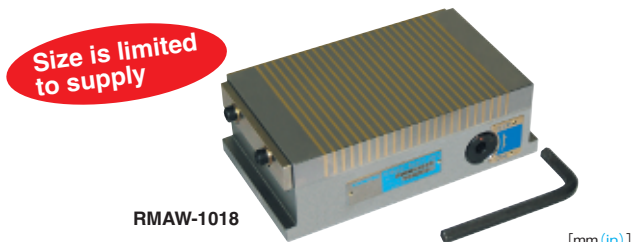
**A new construction and finer pole pitch to generate strongest holding power on small workpieces!**

[Application]

Suitable for grinding small and thin workpieces.

[Features]

- Holds small and thin (thinner than 3 mm) workpieces effectively.
- Holding performance greater than conventional models on hardened parts around molds.
- Gap performance improved over conventional models.

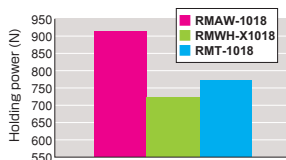


Model	Dimensions [mm (in)]							Mass
	B	L <sub>1</sub>	L <sub>e</sub>	H	L <sub>2</sub>	h		
RMAW-1018	105 (4.13)	175 (6.88)	134 (5.27)	50 (1.96)	191 (7.51)	10 (0.39)	7kg/15.4 lb	

※As for the handle, a hex wrench key is included.

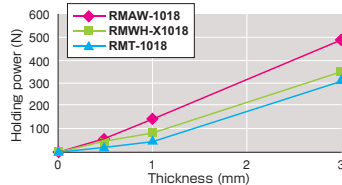
**Comparison of holding power on weak magnetic materials**

Center - holding power (□50 × 125:SKH2, HRC60 hardened test piece)



**Relation between holding power and thickness**

Center - thickness (□25: S15C test piece)



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

# PERMANENT MAGNETIC CHUCKS

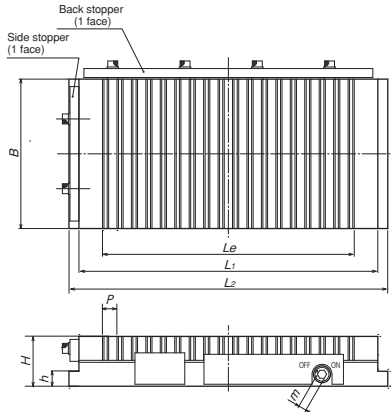
## Model RMT

## POWERFUL RECTANGULAR PERMANENT MAGNETIC CHUCK

ELECTROMAGNETIC CHUCK CONTROLLERS



RMT-2035



**[Application]**

Powerful permanent magnetic chucks for a wide range of applications from heavy duty grinding to light duty cutting. Usable in liquid also.

**[Features]**

- Light weight and thin, yet robust construction. Highly precise chucks minimizing influence of handle operation on accuracy.
- Usable for a wide range of workpieces, from thick to thin.

Special sizes available.

Model	Nominal Size	Work Face			Pole Pitch <i>P</i>	Mounting Face			Height <i>H</i>	Handle Hole <i>E</i>	Mass
		<i>B</i>	<i>L<sub>1</sub></i>	<i>L<sub>e</sub></i>		<i>B</i>	<i>L<sub>2</sub></i>	<i>h</i>			
RMT-1018	100 (3.93) × 175 (6.89)	100 (3.93)	175 (6.89)	137 (5.39)	14.5 (1.5+3.2+ 1.5+8.3) (0.57)	100 (3.93)	195 (7.67)	15 (0.59)	50 (1.96)	Hex. 8 (0.31)	7kg/ 15 lb
RMT-1025	100 (3.93) × 250 (9.84)		250 (9.84)	210 (8.26)			270 (10.6)				9.5kg/ 21 lb
RMT-1030	100 (3.93) × 300 (11.8)	300 (11.8)	253 (9.96)	320 (12.6)		11.5kg/ 25 lb					
RMT-1325	125 (4.92) × 250 (9.84)	125 (4.92)	250 (9.84)	210 (8.26)		125 (4.92)	270 (10.6)				12kg/ 26 lb
RMT-1515	150 (5.90) × 150 (5.90)	150 (5.90)	150 (5.90)	108 (4.25)		150 (5.90)	170 (6.69)				8.5kg/ 18 lb
RMT-1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	253 (9.96)		150 (5.90)	320 (12.6)				17kg/ 37 lb
RMT-1535	150 (5.90) × 350 (13.7)	350 (13.7)	296 (11.6)	370 (14.5)		20kg/ 44 lb					
RMT-1545	150 (5.90) × 450 (17.7)	450 (17.7)	354 (13.9)	470 (18.5)		25kg/ 55 lb					
RMT-2035	200 (7.87) × 350 (13.7)	350 (13.7)	296 (11.6)	370 (14.5)		26kg/ 57 lb					
RMT-2040	200 (7.87) × 400 (15.7)	400 (15.7)	354 (13.9)	420 (16.5)		30kg/ 66 lb					
RMT-2045	200 (7.87) × 450 (17.7)	450 (17.7)	398 (15.6)	470 (18.5)	33kg/ 73 lb						
RMT-2050	200 (7.87) × 500 (19.6)	500 (19.6)	441 (17.3)	520 (20.4)	37kg/ 82 lb						
RMT-2060	200 (7.87) × 600 (23.6)	600 (23.6)	543 (21.3)	620 (24.4)	45kg/ 99 lb						
RMT-2525	250 (9.84) × 250 (9.84)	250 (9.84)	209 (8.22)	270 (10.6)	23kg/ 51 lb						
RMT-2530	250 (9.84) × 300 (11.8)	300 (11.8)	253 (9.96)	320 (12.6)	28kg/ 62 lb						
RMT-3050	300 (11.8) × 500 (19.6)	300 (11.8)	500 (19.6)	441 (17.3)	67kg/ 148 lb						
RMT-3060	300 (11.8) × 600 (23.6)	600 (23.6)	543 (21.3)	620 (24.4)	81kg/ 178 lb						

※ As for the handle, a hex wrench key is included with Models up to RMT-1515, and a dedicated handle is included with Models RMT-1530 and above. ※RMT-3050/3060 require 2 places for ON-OFF operation.

PERMANENT MAGNETIC CHUCKS

PERMANENT ELECTROMAGNETIC CHUCKS

BLOCKS FOR MC

VACUUM CHUCKS

PROMETA\* SYSTEM

SINE BAR CHUCKS

BLOCKS HOLDERS

MINI CHUCKS

HOLDING TOOLS

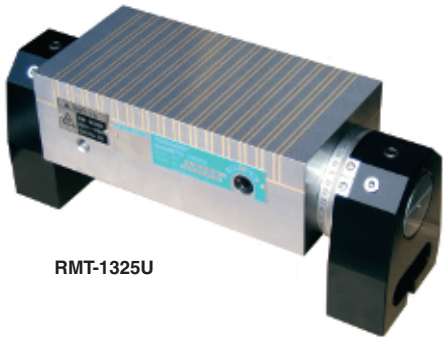
MEASURING TOOL HOLDERS

MAGNETIC HOLDERS

MAGNETIC TOOLS

## Model RMT-U

## TILT TYPE PERMANENT MAGNETIC CHUCK



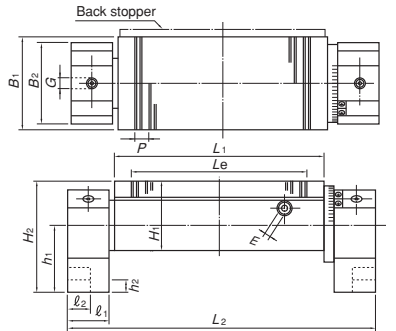
RMT-1325U

**[Application]**

Suitable for angle grinding on grinders. The strong holding power enables angle grinding of various workpieces regardless of whether they are thin, small or thick.

**[Features]**

- The rotary shaft with scale facilitates angle setting. (An angle can be set as desired between 90° forward and 90° backward)
- Easy installation and highly precise operations.



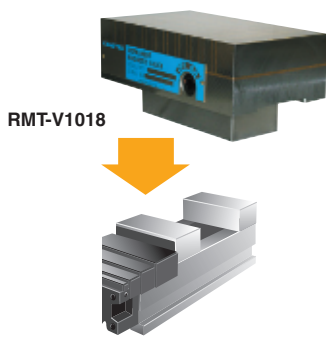
Model	Nominal Size	Work Face			<i>H<sub>1</sub></i>	Pole Pitch <i>P</i>	Tilt Base			<i>G</i>	<i>h<sub>1</sub></i>	<i>h</i>	Length <i>L<sub>2</sub></i>	Height <i>H<sub>2</sub></i>	Handle Hole <i>E</i>	Mass
		<i>B<sub>1</sub></i>	<i>L<sub>1</sub></i>	<i>L<sub>e</sub></i>			<i>B<sub>2</sub></i>	<i>ℓ<sub>1</sub></i>	<i>ℓ<sub>2</sub></i>							
RMT- 713U	70 (2.75) × 130 (5.11)	70 (2.75)	130 (5.11)	91 (3.58)	66 (2.59)	14.5 (1.5+3.2+ 1.5+8.3) (0.57)	70 (2.75)	40 (1.57)	24 (0.94)	14 (0.55)	55 (2.16)	10 (0.39)	225 (8.85)	101 (3.97)	Hex. 8 (0.31)	8kg/ 17 lb
RMT-1018U	100 (3.93) × 175 (6.89)	100 (3.93)	175 (6.89)	137 (5.39)	86 (3.38)		100 (3.93)	50 (1.96)	29 (1.14)		80 (3.15)	15 (0.59)	290 (11.4)	136 (5.35)		20kg/ 44 lb
RMT-1025U	100 (3.93) × 250 (9.84)		250 (9.84)	210 (8.26)							365 (14.3)		25kg/ 55 lb			
RMT-1030U	100 (3.93) × 300 (11.8)	100 (3.93)	300 (11.8)	253 (9.96)	86 (3.38)		100 (3.93)	50 (1.96)	29 (1.14)	95 (3.74)	15 (0.59)	415 (16.3)	151 (5.94)	29kg/ 64 lb		
RMT-1325U	125 (4.92) × 250 (9.84)		125 (4.92)	250 (9.84)						210 (8.26)		365 (14.3)		29kg/ 64 lb		
RMT-1530U	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	253 (9.96)	86 (3.38)		100 (3.93)	50 (1.96)	29 (1.14)	95 (3.74)	15 (0.59)	415 (16.3)	151 (5.94)	37kg/ 82 lb		
RMT-1535U	150 (5.90) × 350 (13.7)		350 (13.7)	296 (11.6)						465 (18.3)		40kg/ 88 lb				
RMT-1545U	150 (5.90) × 450 (17.7)	450 (17.7)	398 (15.6)	470 (18.5)	49kg/ 108 lb											

※ As for the handle, a hex wrench key is included. ※Larger sizes are available also. ※The scaled ring can be used to set an angle roughly. When it is necessary to set the angle accurately, use a sine bar or other suitable device. Note that when it is tilted forward, the ON-OFF operation will become difficult.

## Model RMT-V

## VICE CLAMP TYPE PERMANENT MAGNETIC CHUCK

Light duty cutting



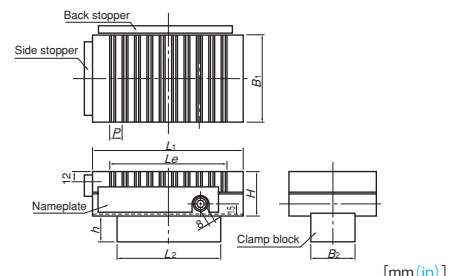
RMT-V1018

**[Application]**

Most suitable for holding thin workpieces that cannot be secured by a machine vice directly.

**[Features]**

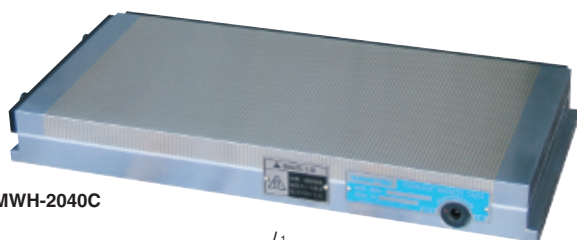
- Direct clamping in a vice by use of a block for easy removal of the chuck.



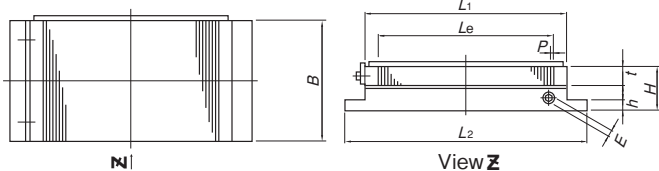
Model	Dimensions						Mass
	<i>B<sub>1</sub></i>	<i>L<sub>1</sub></i>	<i>L<sub>e</sub></i>	<i>P</i>	<i>H</i>	<i>B<sub>2</sub></i>	
RMT-V1018	100 (3.93)						

# RMT / RMT-U / RMT-V / RMWH / RMWH-X / RMWH-A-H

## Model RMWH RECTANGULAR PERMANENT MAGNETIC MICROPITCH CHUCK



RMWH-2040C



### [Application]

Suitable for grinding thin, thick and small workpieces.

### [Features]

- Extremely low profile, 45 mm for small to medium sizes and 50 mm for large sizes and light weight.
- A wide attractive area on the chuck work face, allowing the corners to be utilized.
- The magnetic force ON-OFF handle can be operated lightly thanks to a special slide design. The side insert type used allows the handle to be detached when it is not used.
- A micropitch type having very fine pole-to-pole pitches. This design provides effective holding power not only on thick workpieces but also on thin and small workpieces.
- Drip-proof specification.

[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>	t		B	L <sub>2</sub>	h			
RMWH-713C	75 (2.95) × 130 (5.11)	75 (2.95)	130 (5.11)	103 (4.05)	18 (0.70)	3(1+2) (0.11)	75 (2.95)	146 (5.74)	10 (0.39)	45 (1.77)	8 (0.31)	3.8kg/ 8 lb
RMWH-1018C	105 (4.13) × 175 (6.89)	105 (4.13)	175 (6.89)	142 (5.59)			105 (4.13)	191 (7.52)				7kg/ 15 lb
RMWH-1025C	105 (4.13) × 250 (9.84)		250 (9.84)	208 (8.18)			266 (10.4)	9.5kg/ 20 lb				
RMWH-1030C	105 (4.13) × 300 (11.8)	300 (11.8)	256 (10.0)	316 (12.4)			11.5kg/ 25 lb					
RMWH-1325C	130 (5.11) × 250 (9.84)	130 (5.11)	250 (9.84)	208 (8.18)			130 (5.11)	266 (10.4)				12kg/ 26 lb
RMWH-1515C	150 (5.90) × 150 (5.90)	150 (5.90)	150 (5.90)	118 (4.64)			166 (6.53)	8.5kg/ 18 lb				
RMWH-1530C	150 (5.90) × 300 (11.8)		300 (11.8)	256 (10.0)			316 (12.4)	16.5kg/ 36 lb				
RMWH-1535C	150 (5.90) × 350 (13.7)		350 (13.7)	298 (11.7)			366 (14.4)	19kg/ 41 lb				
RMWH-1545C	150 (5.90) × 450 (17.7)		450 (17.7)	394 (15.5)			466 (18.3)	24.5kg/ 53 lb				
RMWH-2035C	200 (7.87) × 350 (13.7)	200 (7.87)	350 (13.7)	298 (11.7)			366 (14.4)	26kg/ 57 lb				
RMWH-2040C	200 (7.87) × 400 (15.7)		400 (15.7)	346 (13.6)			416 (16.3)	29.5kg/ 64 lb				
RMWH-2050C	200 (7.87) × 500 (19.6)		500 (19.6)	442 (17.4)			516 (20.3)	40kg/ 88 lb				
RMWH-2060C	200 (7.87) × 600 (23.6)		600 (23.6)	541 (21.3)			616 (24.2)	48kg/ 105 lb				
RMWH-2525C	250 (9.84) × 250 (9.84)	250 (9.84)	250 (9.84)	208 (8.18)			266 (10.4)	24kg/ 52 lb				
RMWH-2530C	250 (9.84) × 300 (11.8)		300 (11.8)	256 (10.0)			316 (12.4)	28kg/ 61 lb				
RMWH-3050C	300 (11.8) × 500 (19.6)	300 (11.8)	500 (19.6)	442 (17.4)			516 (20.3)	60kg/ 132 lb				
RMWH-3060C	300 (11.8) × 600 (23.6)		600 (23.6)	541 (21.3)	616 (24.2)	72kg/ 158 lb						

※As for the handle, a hex wrench key is included. ※寸法図はRMWH形を参照願います。

## Model RMWH-X RECTANGULAR PERMANENT MAGNETIC SUPER MICROPITCH CHUCK



RMWH-X713

### [Application]

Suitable for grinding thin workpieces. Usable for electric discharge machining also.

### [Features]

- Super micropitch of 1.2 (0.2 +1).
- Thin sheet holding performance superior to that of Model RMWH-A-H and Model RMWH-C.

[mm (in)]

Model	Nominal Size	Work Face				Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>	t		B	L <sub>2</sub>	h			
RMWH-X 713	75 (2.95) × 130 (5.11)	75 (2.95)	130 (5.11)	102.2 (4.02)	18 (0.70)	0.2+1 (0.04)	75 (2.95)	146 (5.74)	10 (0.39)	40 (40.0)	8 (0.31)	3kg/ 6.61 lb
RMWH-X1018	105 (4.13) × 175 (6.89)	105 (4.13)	175 (6.89)	144.2 (5.67)			105 (4.13)	191 (7.52)				5.5kg/ 12.1 lb
RMWH-X1325	130 (5.11) × 250 (9.84)	130 (5.11)	250 (9.84)	209 (8.22)			130 (5.11)	266 (10.4)				10kg/ 22.0 lb
RMWH-X1515	150 (5.90) × 150 (5.90)	150 (5.90)	150 (5.90)	117.8 (4.63)			166 (6.53)	7kg/ 15.4 lb				
RMWH-X1530	150 (5.90) × 300 (11.8)		300 (11.8)	257 (10.1)			316 (12.4)	14kg/ 30.8 lb				

※As for the handle, a hex wrench key is included. ※寸法図はRMWH形を参照願います。

## Model RMWH-A-H RECTANGULAR PERMANENT MAGNETIC MICROPITCH CHUCK



RMWH-1018A-H

### [Application]

These chucks can be used for a wide range of applications such as securing very small workpieces and securing workpieces during grinding and electric discharge machining. They can be used in liquid also.

### [Features]

- Compared with Model RMWH-C, these chucks are capable of holding thinner and smaller workpieces.

[mm (in)]

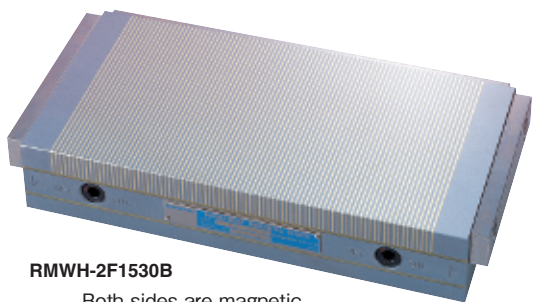
Model	Nominal Size	Work Face				Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>	t		B	L <sub>2</sub>	h			
RMWH-1018A-H	105 (4.13) × 175 (6.89)	105 (4.13)	175 (6.89)	143 (5.63)	18 (0.70)	1.5(0.5+1) (0.05)	105 (4.13)	191 (7.52)	10 (0.39)	40 (1.57)	Hex. 8 (0.31)	6.5kg/ 14 lb
RMWH-1325A-H	130 (5.11) × 250 (9.84)	130 (5.11)	250 (9.84)	209 (8.22)			130 (5.11)	266 (10.4)				11kg/ 24 lb
RMWH-1530A-H	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	257 (10.1)			150 (5.90)	316 (12.4)				14.5kg/ 31 lb
RMWH-2035A-H	200 (7.87) × 350 (13.7)	200 (7.87)	350 (13.7)	299 (11.7)			200 (7.87)	366 (14.4)				22kg/ 48 lb

※As for the handle, a hex wrench key is included. ※寸法図はRMWH形を参照願います。

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

# PERMANENT MAGNETIC CHUCKS

## Model RMWH-2F DOUBLE-FACE HOLDING PERMANENT MAGNETIC CHUCK



RMWH-2F1530B

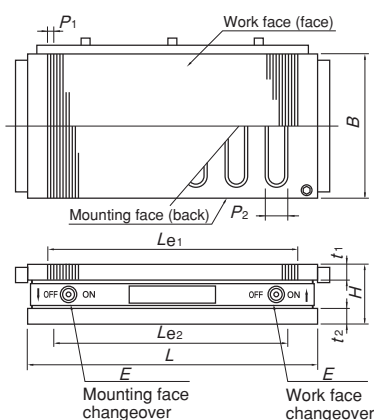
Both sides are magnetic.



Face



Back



### [Application]

Suitable for grinding and electric discharge machining of workpieces of various thicknesses and sizes.

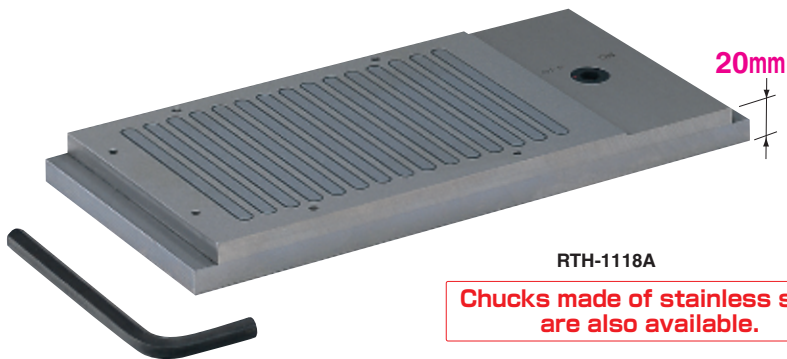
### [Features]

- A micro pole-to-pole pitch on the chuck work face generates effective holding power on thin and small workpieces.
- A powerful permanent magnetic attractive face having a chuck mounting face that can also be turned on and off. Thus, no mechanical clamping is required for installation.
- Can be used in liquid.
- The changeover handle is of side insert type and can be kept detached when it is not used after ON/OFF operation.

Model	Nominal Size	Work Face				Face Plate Pole	Mounting Face		Mounting Face Pole	Height	Handle Hole	Mass
		B	L	Le <sub>1</sub>	t <sub>1</sub>	P <sub>1</sub>	Le <sub>2</sub>	t <sub>2</sub>	P <sub>2</sub>	H	E	
RMWH-2F1530B	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	256 (10.0)	18 (0.70)	3(1+2) (0.11)	222 (8.74)	13 (0.51)	20(2+18) (0.78)	55 (2.16)	8 (0.31)	17.5kg/ 38 lb

※As for the handle, a hex wrench key is included.

## Model RTH SUPER THIN RECTANGULAR PERMANENT MAGNETIC CHUCK



RTH-1118A

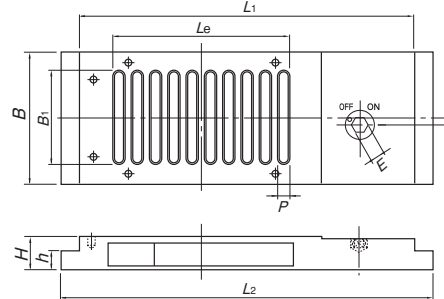
Chucks made of stainless steel are also available.

### [Application]

Suitable for securing workpieces for high speed and light duty grinding. (To use these chucks in liquid or in wet conditions, use machining fluid of rust-preventive type.) The light weight design makes these chucks suitable for setup change (pallet change) operations by workers also.

### [Features]

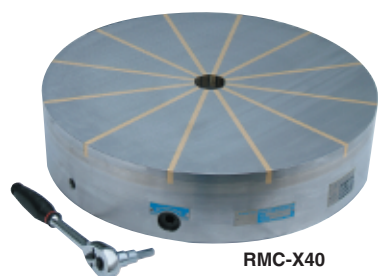
- Very thin (only 20 mm high) and light weight permanent magnetic chucks.



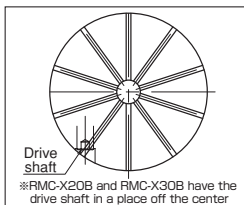
Model	Nominal Size	Work Face				Pole Pitch	Mounting Face			Height	Handle Hole	Mass
		B	L <sub>1</sub>	B <sub>1</sub>	Le		L <sub>2</sub>	B	h			
RTH-713A	70 (2.75) × 130 (5.11)	70 (2.75)	180 (7.08)	50 (1.96)	97 (3.81)	10(1+5+1+3) (0.39)	200 (7.87)	70 (2.75)	10 (0.39)	20 (0.78)	8 (0.31)	2 kg/ 4.4 lb
RTH-1118A	110 (4.33) × 180 (7.08)	110 (4.33)	230 (9.05)	90 (3.54)	147 (5.78)		250 (9.84)	110 (4.33)	10 (0.39)	20 (0.78)	8 (0.31)	3.7kg/ 8.1 lb
RTH-1515A	150 (5.90) × 150 (5.90)	150 (5.90)	200 (7.87)	130 (5.11)	117 (4.60)		220 (8.66)	150 (5.90)	10 (0.39)	20 (0.78)	8 (0.31)	4.5kg/ 9.9 lb

※As for the handle, a hex wrench key is included.

## Model RMC-X STAR-POLE ROUND PERMANENT MAGNETIC CHUCK



RMC-X40



Drive shaft

※RMC-X20B and RMC-X30B have the drive shaft in a place off the center

### [Application]

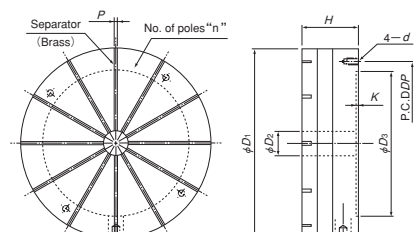
Permanent magnetic chucks for securing ring-shaped workpieces on lathes and vertical combined grinding machines.

### [Features]

- The star-pole construction generates a strong magnetic force that works well on ring-shaped workpieces such as bearings.
- The permanent magnetic chucks that do not require electricity can be mounted easily without troublesome wiring. They also contribute to energy saving.
- Usable in wet conditions.
- Model RMC-X-B chucks are equipped with a magnetic force adjust function. (The ON-OFF operating angle is about 630 degrees and the magnetic force is adjusted according to the handle turning angles.)

Model	Mag. force adjust	Work Face				Mounting Face				Height		Mass	
		D <sub>1</sub>	D <sub>2</sub>	P	No. of poles "n"	D <sub>3</sub>	K	D <sub>p</sub>	d	Standard	Mag. force adjust	Standard	Mag. force adjust
RMC-X15	—	150 (5.90)	30 (1.18)	—	10	110 (4.33)	—	130 (5.11)	M8 (0.31)	74 (2.91)	—	Approx. 9 kg/ 19.8 lb	—
RMC-X20	RMC-X20B	200 (7.87)	—	6 (0.23)	10	160 (6.29)	4 (0.15)	180 (7.08)	M8 (0.31)	84 (3.30)	84 (3.30)	Approx. 16kg/ 35.2 lb	Approx. 18kg/ 39.6 lb
RMC-X30	RMC-X30B	300 (11.8)	—	—	12	230 (9.05)	—	260 (10.2)	M10 (0.39)	89 (3.50)	94 (3.70)	Approx. 42kg/ 92.6 lb	Approx. 43kg/ 94.7 lb
RMC-X40	RMC-X40B	400 (15.7)	—	—	12	315 (12.4)	—	355 (13.9)	M10 (0.39)	—	—	Approx. 83kg/ 182 lb	Approx. 90kg/ 198 lb

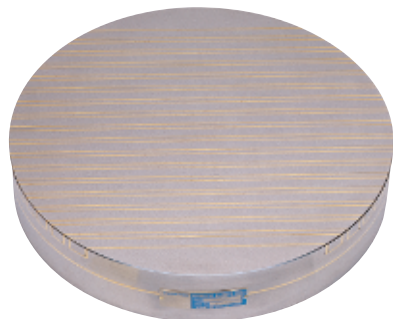
※A ratchet type handle (with socket) is included.



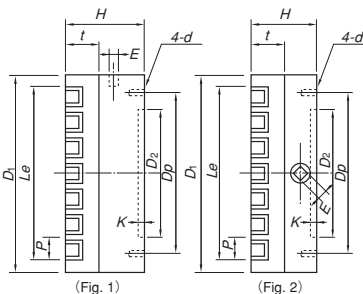
ELECTROMAGNETIC CHUCK CONTROLLERS PERMANENT MAGNETIC CHUCKS PERMANENT ELECTROMAGNETIC CHUCKS BLOCKS FOR MC VACUUM CHUCKS PROMELTA\* SINE BAR CHUCKS BLOCKS, HOLDERS, MINI CHUCKS HOLDING TOOLS MEASURING TOOL HOLDERS MAGNETIC HOLDERS MAGNETIC TOOLS

**Model RMC POWERFUL ROUND PERMANENT MAGNETIC CHUCK**

**"B" is magnetic force adjust type.**

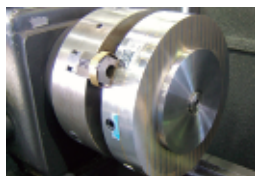


RMC-32



(Fig. 1)

(Fig. 2)



<An example of machining on lathe>

**[Application]**

Permanent magnetic chucks using a high-performance magnet for grinding operations on rotary grinders, cylindrical grinders, internal grinders and cutting operations on lathes.

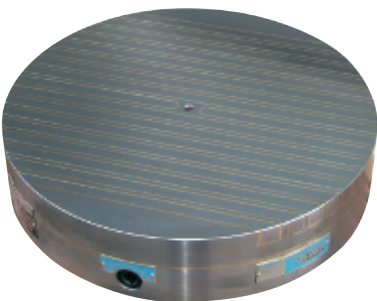
**[Features]**

- The "B" type can be used in such a way that it first holds a workpiece by a weak magnetic force and after finely adjusting its holding position, it is changed to a strong magnetic force to secure the workpiece firmly.
- Can be used for both grinding and cutting operations.
- Work well on thin workpieces to thick workpieces.
- Highly precise chucks with little accuracy change.

Model		Figure		Nominal Size	Work Face		Pole Pitch	Mounting Face				Face Plate Thickness	Height		Handle Hole		Mass	
Standard	Mag. force adjust	Standard	Mag. force adjust		D <sub>1</sub>	Le		D <sub>2</sub>	K	D <sub>p</sub>	d		t	Standard	Mag. force adjust	Standard	Mag. force adjust	Standard
RMC-13	RMC-13B	1	2	125 (4.92)	125 (4.92)	88 (3.46)	15.2 (0.59) (1.5+9+1.5+3.2) (0.05+0.35+0.05+0.12)	100 (3.93)	4 (0.15)	112 (4.40)	M 6 (0.23)	24 (0.94)	55 (2.16)	65 (2.55)	Hex. 8 (0.31)	□8 (0.31)	4.5kg/ 9.92 lb	6kg/ 13.2 lb
RMC-16	RMC-16B			160 (6.29)	160 (6.29)	118 (4.64)		125 (4.92)		140 (5.51)	M 8 (0.31)						7.5kg/ 16.5 lb	9kg/ 19.8 lb
RMC-20	RMC-20B			200 (7.87)	200 (7.87)	149 (5.86)		160 (6.29)		180 (7.08)	M 10 (0.39)						12kg/ 26.4 lb	15kg/ 33 lb
RMC-25	RMC-25B			250 (9.84)	250 (9.84)	194 (7.63)		200 (7.87)		224 (8.81)							20kg/ 44 lb	23kg/ 50.7 lb
RMC-32	RMC-32B			315 (12.4)	315 (12.4)	255 (10.0)		250 (9.84)		280 (11.0)	□10 (0.39)						29kg/ 63.9 lb	35kg/ 77.1 lb
RMC-40	RMC-40B			400 (15.7)	400 (15.7)	331 (13.0)		315 (12.4)		355 (13.9)							47kg/ 103 lb	62kg/ 138 lb

※ As for the handle, a hex wrench key is included with Models RMC-13 to 20, and a dedicated handle is included with Models RMC-25 and above.

**Model RMCB ROUND PERMANENT MAGNETIC CHUCK WITH TAPPED HOLE IN CENTER OF FACE PLATE**



RMCB-32B

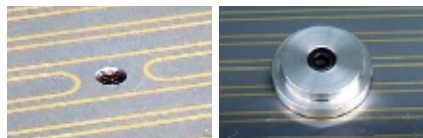
**Round permanent magnetic chucks with a tapped hole for easy mounting of various jigs/fixtures introduced!**

**[Application]**

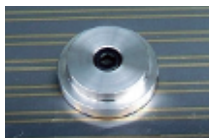
Permanent magnetic chucks to hold workpieces during grinding operations on rotary grinders, cylindrical grinders, internal grinders and cutting operations on lathes.

**[Features]**

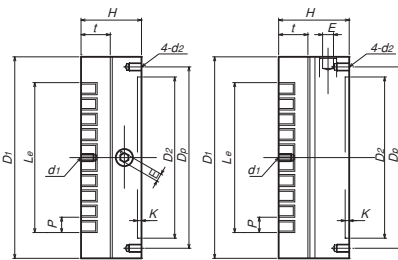
- Two types; standard type and magnetic force adjust type are available.
- As a standard feature, a tapped hole is provided in the center of the attractive face. This facilitates mounting of jigs/fixtures for workpiece alignment.
  - ※ The tapped hole in the center is allowed to be M10 max. for the chuck size φ160 and M12 max. for φ 200 or over. (For the φ 125 size only, a tapped hole must not be worked on.)
- There is a 9-mm additional work allowance from the attractive face, which allows additional work according to jigs/fixtures.
- The permanent magnetic chucks that do not require electricity can be mounted easily without troublesome wiring. They also contribute to energy saving.



Tapped hole in center



An example of mounting of alignment jig



(Fig. 1)

(Fig. 2)

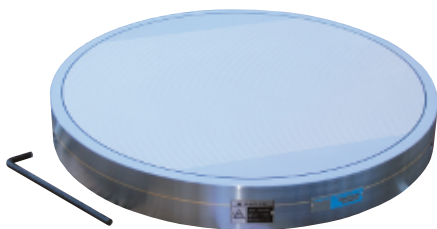
Model		Fig		Nominal Size	Work Face		Pole Pitch	Mounting Face				Face Plate Thickness	Height		Tapped Hole in Center	Handle Hole		Mass	
Standard	Mag. force adjust	Standard	Mag. force adjust		D <sub>1</sub>	Le		D <sub>2</sub>	K	D <sub>p</sub>	d2		t	Standard		Mag. force adjust	d <sub>t</sub>	Standard	Mag. force adjust
RMCB-13	RMCB-13B	1	2	125 (4.92)	125 (4.92)	88 (3.46)	15.2 (0.59) (1.5+9+1.5+3.2) (0.05+0.35+0.05+0.12)	100 (3.93)	4 (0.15)	112 (4.40)	M 6 (0.23)	29 (1.14)	60 (2.36)	70 (2.75)	M6(0.23) Depth12(0.47)	Hex. 8 (0.31)	5kg/ 11.0 lb	7kg/ 15.4 lb	
RMCB-16	RMCB-16B			160 (6.29)	160 (6.29)	118 (4.64)		125 (4.92)		140 (5.51)	M 8 (0.31)						8kg/ 17.6 lb	10kg/ 22.0 lb	
RMCB-20	RMCB-20B			200 (7.87)	200 (7.87)	149 (5.86)		160 (6.29)		180 (7.08)	M 10 (0.39)						13kg/ 28.6 lb	16kg/ 35.2 lb	
RMCB-25	RMCB-25B			250 (9.84)	250 (9.84)	194 (7.63)		200 (7.87)		224 (8.81)							21kg/ 46.3 lb	25kg/ 55.1 lb	
RMCB-32	RMCB-32B			315 (12.4)	315 (12.4)	255 (10.0)		250 (9.84)		280 (11.0)	□10 (0.39)						31kg/ 68.3 lb	37kg/ 81.5 lb	
RMCB-40	RMCB-40B			400 (15.7)	400 (15.7)	331 (13.0)		315 (12.4)		355 (13.9)							51kg/ 112.4 lb	67kg/ 147.7 lb	

※ As for the handle, a hex wrench key is included with Standard Models RMCB-13 to 20, and a special changeover handle is included with Models RMCB-25 and above. A T-handle is included with the magnetic force adjust types.

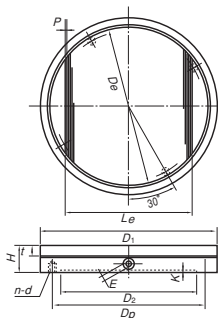
ELECTROMAGNETIC CHUCKS  
CHUCK CONTROLLERS  
PERMANENT MAGNETIC CHUCKS  
PERMANENT ELECTROMAGNETIC CHUCKS  
BLOCKS FOR MC  
VACUUM CHUCKS  
PROMELTA\* SYSTEM  
SINE BAR CHUCKS  
BLOCKS, HOLDERS, MINI CHUCKS  
HOLDING TOOLS  
MEASURING TOOL HOLDERS  
MAGNETIC HOLDERS  
MAGNETIC TOOLS

# PERMANENT MAGNETIC CHUCKS

## Model RMCW ROUND PERMANENT MAGNETIC MICROPITCH CHUCK



RMCW-50B



### [Application]

Suitable for grinding a wide range of workpieces, small and large, thin and thick on grinders. Since these chucks are thin, they can be used in a wide range of applications including securing workpieces temporarily.

### [Features]

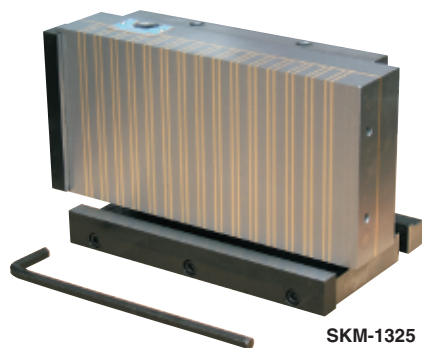
- Thin; 43 mm to 60 mm.
- Micro pole pitch; can be used with any sizes of workpieces, small and large and thin and thick.
- The handle is a hex wrench key. It can be operated lightly. A half turn turns on and off the magnetic force.
- The changeover handle can be set at an angle to generate a weak magnetic force for easy temporary positioning of workpieces.

[mm (in)]

Model	Nominal Size	Work Face			Pole Pitch	Mounting Face					Face Plate Thickness	Height	Handle Hole	Mass
		D <sub>1</sub>	D <sub>e</sub>	L <sub>e</sub>		D <sub>2</sub>	K	D <sub>p</sub>	n	d				
RMCW-6C	60 (2.36)	60 (2.36)	51 (2.00)	38 (1.49)	2.5 (0.5+2) (0.09)	30 (1.18)	2 (0.07) ※1	44 (1.73)	2 (0.07) ※1	M 6 (0.23)	18 (0.70)	43 (1.69)	Hex. 8 (0.31)	1kg/ 2 lb
RMCW-8C	80 (3.14)	80 (3.14)	71 (2.79)	53 (2.08)		40 (1.57)		60 (2.36)						3 (0.11) ※1
RMCW-10B	100 (3.93)	100 (3.93)	90 (3.54)	64 (2.55)	3 (1+2) (0.12)	60 (2.36)	2 (0.07)	80 (3.15)	4 (0.15)	M 8 (0.31)	18 (0.70)	43 (1.69)	Hex. 8 (0.31)	2.5kg/ 6 lb
RMCW-13B	125 (4.92)	125 (4.92)	99 (3.89)	67 (2.63)		80 (3.15)		112 (4.40)						3 (0.11) ※1
RMCW-16B	160 (6.29)	160 (6.29)	134 (5.27)	88 (3.46)	3 (1+2) (0.12)	125 (4.92)	3 (0.11)	160 (6.29)	4 (0.15)	M 8 (0.31)	18 (0.70)	43 (1.69)	Hex. 8 (0.31)	6.5kg/ 14 lb
RMCW-20B	200 (7.87)	200 (7.87)	172 (6.77)	121 (4.76)		160 (6.29)		180 (7.08)						4 (0.15)
RMCW-25B	250 (9.84)	250 (9.84)	220 (8.66)	184 (7.24)	3 (1+2) (0.12)	200 (7.87)	3 (0.11)	224 (8.81)	4 (0.15)	M10 (0.39)	25 (0.98)	60 (2.36)	Hex. 8 (0.31)	15kg/ 33 lb
RMCW-30B	300 (11.8)	300 (11.8)	272 (10.7)	220 (8.66)		230 (9.05)		260 (10.2)						4 (0.15)
RMCW-40B	400 (15.7)	400 (15.7)	370 (14.5)	319 (12.5)	3 (1+2) (0.12)	315 (12.4)	3 (0.11)	355 (13.9)	4 (0.15)	M12 (0.47)	25 (0.98)	60 (2.36)	Hex. 8 (0.31)	45kg/ 99 lb
RMCW-50B	500 (19.6)	500 (19.6)	466 (18.3)	358 (14.1)		350 (13.7)		400 (15.7)						4 (0.15)
RMCW-60B	600 (23.6)	600 (23.6)	566 (22.2)	457 (18.0)	3 (1+2) (0.12)	450 (17.7)	3 (0.11)	500 (19.6)	4 (0.15)	M12 (0.47)	25 (0.98)	60 (2.36)	Hex. 8 (0.31)	115kg/ 253 lb

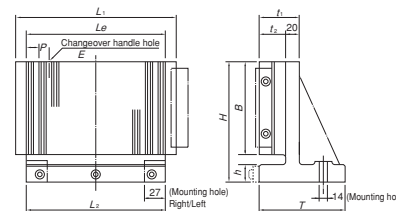
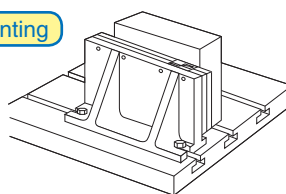
※1...For the location of mounting holes of 6C, 8C and 10B, please contact us. ※As for the handle, a hex wrench key is included.

## Model SKM VERTICAL PERMANENT MAGNETIC CHUCK



SKM-1325

### An example of mounting



### [Application]

These chucks are suitable for applications where when securing a workpiece on the table of a machine, it needs to be held vertically due to its shape or it needs to be secured from sides additionally when it cannot be held sufficiently horizontally.

### [Features]

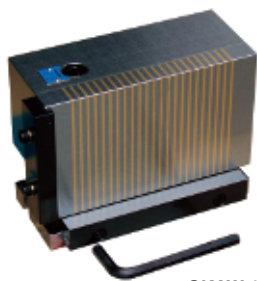
- The permanent magnetic chuck used in Model SKM is our powerful RMT.
- Hold various sizes of workpieces; thin, small and thick.

[mm (in)]

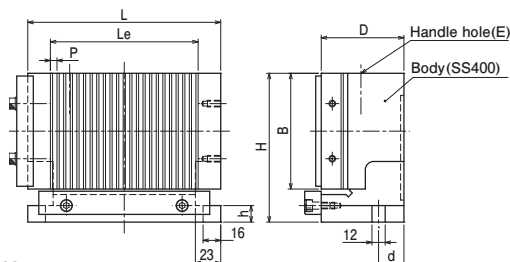
Model	Nominal Size	Work Face			Pole Pitch	Mounting Face		Thickness		Height		Handle Hole	Mass
		B	L <sub>1</sub>	L <sub>e</sub>		T	L <sub>2</sub>	t <sub>1</sub>	t <sub>2</sub>	H	h		
SKM-1018	100 (3.93) × 175 (6.89)	100 (3.93)	175 (6.89)	137 (5.39)	14.5 (1.5+3.2+1.5+8.3) 0.57 (0.05+0.12+0.05+0.32)	130 (5.11)	145 (5.70)	70 (2.75)	50 (1.96)	130 (5.11)	20 (0.78)	Hex. 8 (0.31)	13kg/ 28 lb
SKM-1325	125 (4.92) × 250 (9.84)	125 (4.92)	250 (9.84)	209 (8.22)			210 (8.26)			22kg/ 48 lb			
SKM-1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	253 (9.96)			260 (10.2)			30kg/ 66 lb			

※One set of stoppers is included. As for the handle, a hex wrench key is included.

## Model SKAW VERTICAL PERMANENT MAGNETIC CHUCK



SKAW-1018



### A new powerful model added to permanent magnetic chucks for securing workpieces in vertical direction!

### [Application]

This chuck is suitable for applications where when securing a workpiece on the table of a machine, it needs to be held vertically due to its shape or it needs to be secured from sides additionally when it cannot be held sufficiently horizontally.

### [Features]

- Compared with Model SKM, this model can hold smaller and thinner (3 mm) workpieces.
- The rigid construction facilitates maintenance such as recovering the original accuracy.

[mm (in)]

Model	Nominal Size	Work Face			Pole Pitch	Thickness	Height	Mounting Face		Handle Hole	Mass
		B	L	L <sub>e</sub>				d	h		
SKAW-1018	105 (4.13) × 175 (6.89)	105 (4.13)	175 (6.89)	134 (5.27)	2+4 (0.07+0.15)	75 (2.95)	135 (5.31)	23 (0.90)	12 (0.47)	Hex. 8 (0.31)	14kg/ 30 lb

※One set of stoppers is included. As for the handle, a hex wrench key is included.

**Model RMT-ED** RECTANGULAR PERMANENT MAGNETIC CHUCK WITH JET HOLE



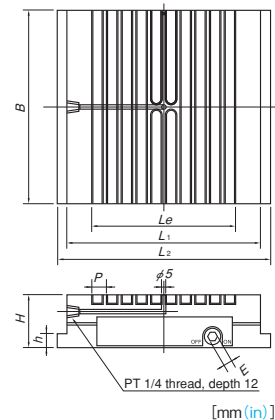
RMT-ED2525

**[Application]**

Suitable for securing workpieces during electric discharge machining.

**[Features]**

- Can be used in liquid.
- With extra powerful holding, these chucks are suitable for applications that require strong holding power.
- A jet hole is provided for jet-stream machining.
- The bottom face is made flat to allow providing tapped holes for clamp fixtures.
- Counter boring around the jet hole on the attractive face is possible.
- The water-tightness performance has been improved over the standard type.

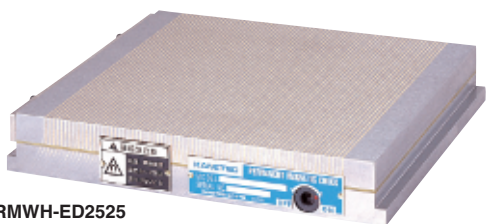


ELECTROMAGNETIC CHUCKS  
CHUCK CONTROLLERS  
PERMANENT MAGNETIC CHUCKS

Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>		B	L <sub>2</sub>	h			
RMT-ED2020	200 (7.87) × 200 (7.87)	200 (7.87)	200 (7.87)	149 (5.86)	15.2 (1.5+9+1.5+3.2) (0.59)	200 (7.87)	220 (8.66)	15 (0.59)	55 (2.16)	Hex. 8 (0.31)	16kg/35 lb
RMT-ED2525	250 (9.84) × 250 (9.84)	250 (9.84)	250 (9.84)	210 (8.26)		250 (9.84)	270 (10.6)				25kg/55 lb

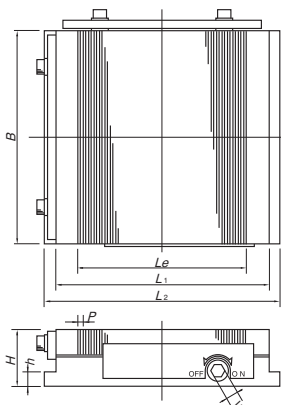
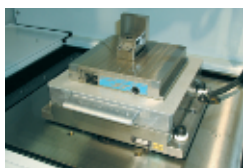
※As for the handle, a hex wrench key is included. ※An electromagnetic type (special specification) is also available.

**Model RMWH-ED** RECTANGULAR PERMANENT MAGNETIC CHUCK FOR ELECTRIC DISCHARGE MACHINING



RMWH-ED2525

An example of usage



**[Application]**

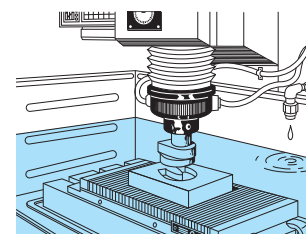
Suitable for securing workpieces during electric discharge machining.

**[Features]**

- Can be used in liquid.
- A fine pole pitch ensures securing thin and small workpieces firmly.

Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>		B	L <sub>2</sub>	h			
RMWH-ED1018	105 (4.13) × 175 (6.88)	105 (4.13)	175 (6.88)	142 (5.59)	3 (1+2) 0.11 (0.03+0.07)	105 (4.13)	191 (7.51)	10 (0.39)	40 (1.57)	Hex. 8 (0.31)	5.5kg/ 12.1 lb
RMWH-ED1515	150 (5.90) × 150 (5.90)	150 (5.90)	150 (5.90)	118 (4.64)		150 (5.90)	166 (6.53)				7.5kg/ 16.5 lb
RMWH-ED1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	256 (10.0)		150 (5.90)	316 (12.4)	14kg/ 30.8 lb			
RMWH-ED2020	200 (7.87) × 200 (7.87)	200 (7.87)	200 (7.87)	160 (6.29)		200 (7.87)	216 (8.50)	13kg/ 28.6 lb			
RMWH-ED2040	200 (7.87) × 400 (15.7)	200 (7.87)	400 (15.7)	346 (13.3)		200 (7.87)	416 (16.3)	25kg/ 55.1 lb			
RMWH-ED2525	250 (9.84) × 250 (9.84)	250 (9.84)	250 (9.84)	208 (8.18)		250 (9.84)	266 (10.4)	20kg/ 44.0 lb			
RMWH-ED3050	300 (11.8) × 500 (19.6)	300 (11.8)	500 (19.6)	442 (17.4)		300 (11.8)	516 (20.3)	53kg/116.8 lb			
RMWH-ED3060	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	541 (21.2)		300 (11.8)	616 (24.2)	63kg/138.8 lb			

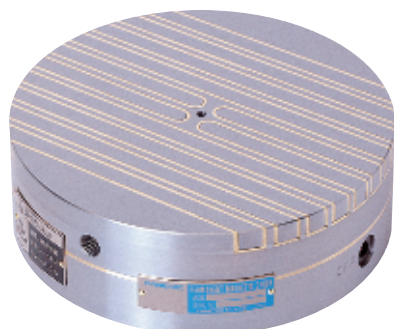
※As for the handle, a hex wrench key is included.



An image of usage on electric discharge machine

BLOCKS FOR MC  
VACUUM CHUCKS  
PROMELTA\* SYSTEM  
SINE BAR CHUCKS  
BLOCKS, HOLDERS, MINI CHUCKS

**Model RMC-ED** ROUND PERMANENT MAGNETIC CHUCK WITH JET HOLE



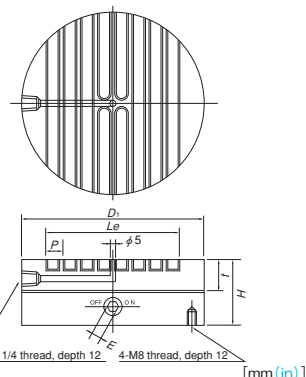
RMC-ED20

**[Application]**

Suitable for securing workpieces during electric discharge machining.

**[Features]**

- Can be used in liquid.
- With extra powerful holding, these chucks are suitable for applications that require strong holding power.
- A jet hole is provided for jet-stream machining.
- The bottom face is made flat to allow providing tapped holes for clamp fixtures.
- Counter boring around the jet hole on the attractive face is possible.



Model	Nominal Size	Work Face		Pole Pitch P	Face Plate Thickness t	Height H	Handle Hole E	Mass
		D <sub>1</sub>	L <sub>e</sub>					
RMC-ED16	160 (6.29)	160 (6.29)	118 (4.64)	15.2 (1.5+9+1.5+3.2) 0.59 (0.05+0.35+0.05+0.12)	29 (1.14)	60 (2.36)	Hex. 8 (0.31)	8.5kg/18 lb
RMC-ED20	200 (7.87)	200 (7.87)	149 (5.86)					14kg/31 lb

※As for the handle, a hex wrench key is included.

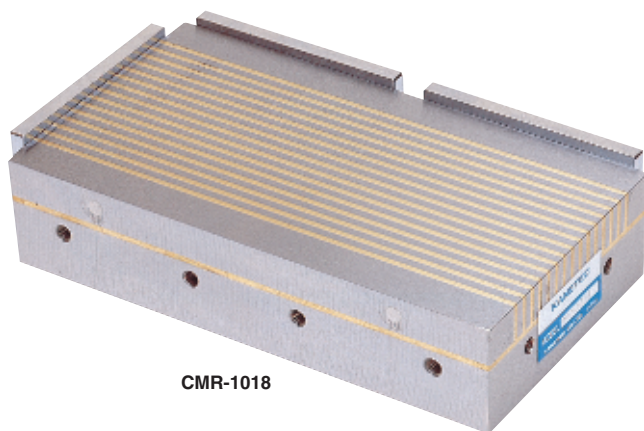
HOLDING TOOLS  
MEASURING TOOL HOLDERS  
MAGNETIC HOLDERS  
MAGNETIC TOOLS



# PERMANENT MAGNETIC CHUCKS

## Model **CMR** NON-CHANGEABLE PERMANENT MAGNETIC CHUCK FOR CEMENTED CARBIDE

ELECTROMAGNETIC 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



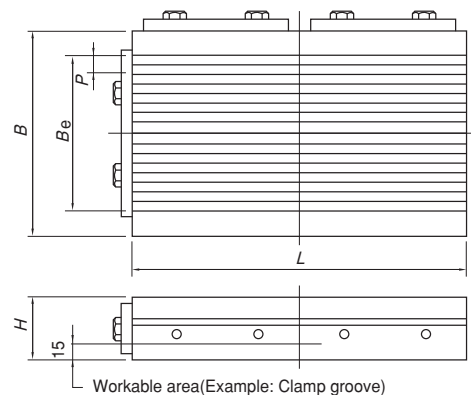
CMR-1018

### [Application]

These permanent magnetic chucks are designed for securing workpieces of materials having a relatively weak magnetic properties 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.



Model	Nominal Size	Work Face			Pole Pitch	Height	Holding Power	Mass
		B	L	Be	P	H		
CMR-1010	100 (3.93) × 100 (3.93)	100 (3.93)	100 (3.93)	72 (2.83)	5 (2+3)	40 (1.57)	210N (21kgf) on □50 × 125 carbide test piece	3 kg / 6.6 lb
CMR-1018	100 (3.93) × 180 (7.08)		180 (7.08)		0.19 (0.07+0.11)			

## Model **CMR-H** NON-CHANGEABLE PERMANENT MAGNETIC CHUCK FOR CEMENTED CARBIDE



CMR-H0709 <Standard pitch type>

### [Application]

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

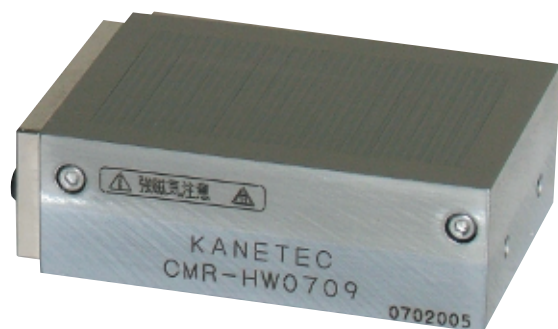
### [Features]

#### 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 and 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.

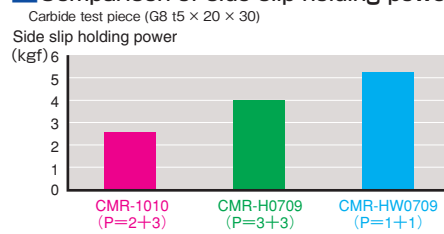


CMR-HW0709 <Fine pitch type>



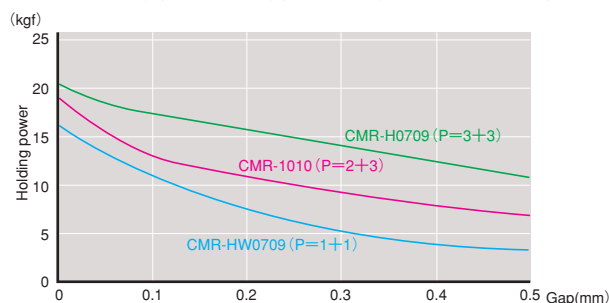
Side slip measuring direction

### Comparison of side slip holding power



### CMR-H type holding power characteristics

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



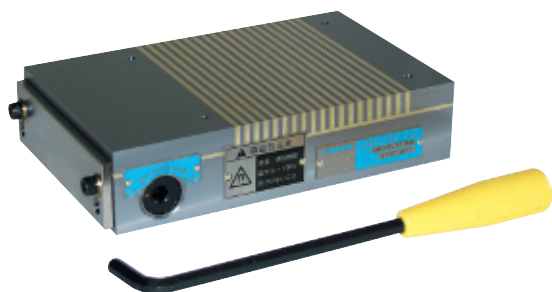
Model	Nominal Size	Height	Pole Pitch		Mass
			B	L	
CMR-H0709	65 (2.55) × 90 (3.54)	30 (1.18)	6 (3+3)	0.23 (0.11+0.11)	1.3kg/2.8 lb
CMR-HW0709			2 (1+1)	0.07 (0.03+0.03)	
CMR-H1215	120 (4.72) × 150 (5.90)	33 (1.29)	6 (3+3)	0.23 (0.11+0.11)	3.6kg/7.9 lb
CMR-HW1215			2 (1+1)	0.07 (0.03+0.03)	

Model **CMR-DL** CHANGEABLE PERMANENT MAGNETIC CHUCK FOR CEMENTED CARBIDE

Long-awaited compact type!



CMR-DL0915B



CMR-DL1319B



CMR-DW1319

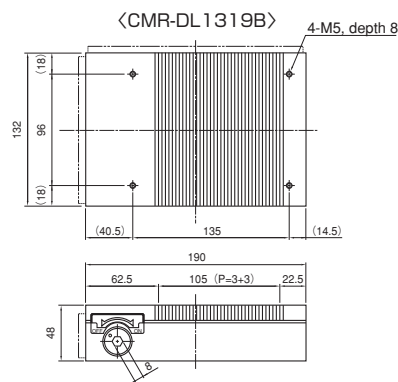
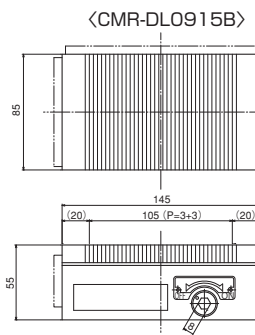
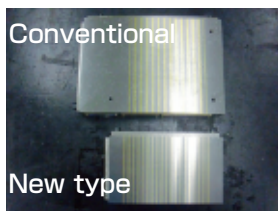
[Application]

These chucks are designed for grinding workpieces of materials having relatively weak magnetic properties such as cemented carbide on small grinders.

[Features]

- The ON-OFF handle turning angle has been reduced to improve the handle operability significantly.
- The holding performance has been enhanced by improving the pole pitch.
- Residual magnetism has been reduced by employing a unique construction. (CMR-DL1319B)
- The effective attractive face area relative to the external dimensions has been increased 30% over the conventional model. (CMR-DL0915B)

Comparison of magnetic poles with conventional model



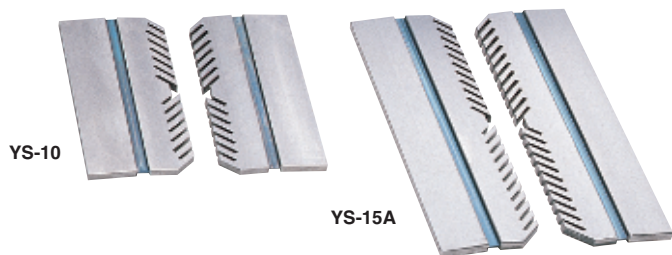
Model	Nominal Size	Height	Pole Pitch	Effective Pole Width	Holding Power**	Handle Select Angle	Mass	Features
CMR-DL0915B	85 (3.34) × 145 (5.70)	55 (2.16)	6 (3+3) 0.23 (0.11+0.11)	105 (4.13)	162N	90°	4.5kg/9.92 lb	Compact
CMR-DL1319B	132 (5.19) × 190 (7.48)	48 (1.89)	4 (2+2) 0.15 (0.07+0.07)	106 (4.17)	175N	60°	9kg/19.8 lb	Standard
CMR-DW1319			8 (4+4) 0.31 (0.15+0.15)	100 (3.94)	190N			Fine
CMR-DS1319								200N

The holding power is based on a test piece of □50 × t25 carbide (G5). \*\*As for the handle, a dedicated handle is included.

Magnetic Chuck Accessory Products

Model **YS** WORK SUPPORTER\*

Nonmagnetic workpiece supporter



YS-10

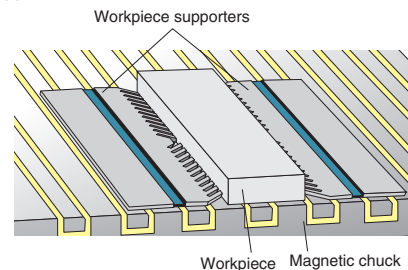
YS-15A

[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.



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.

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BLOCKS FOR MC  
VACUUM CHUCKS  
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BLOCKS, HOLDERS, MINI CHUCKS  
HOLDING TOOLS  
MEASURING TOOL HOLDERS  
MAGNETIC HOLDERS  
MAGNETIC TOOLS