

# 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]

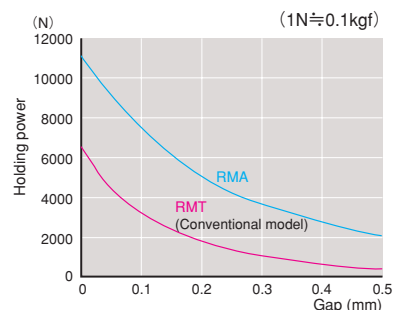
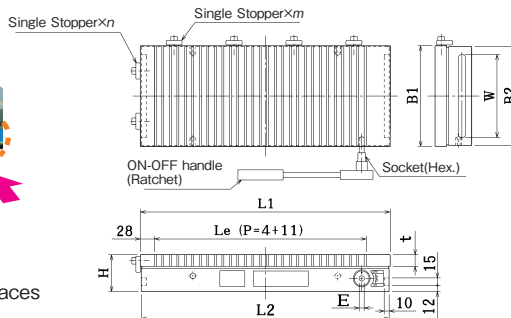
- Super powerful permanent magnetic chucks developed by special design for heavy duty cutting.
- Relatively fine pole pitches make the magnetism work effectively on certain small workpieces and thin workpieces.
- A drop in magnetic force due to air gaps is little, enabling heavy duty cutting of mill 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	Handle Hole	Mass
		B <sub>1</sub>	L <sub>1</sub>	t	L <sub>e</sub>	B <sub>2</sub>	L <sub>2</sub>	W				
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	8 (0.31)	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)	23 (0.90)	424 (16.6)	196 (7.71)	496 (19.5)	165 (6.49)	73 (2.87)	4 pcs	10 (0.39)	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)	23 (0.90)	424 (16.6)	246 (9.68)	496 (19.5)	215 (8.46)	73 (2.87)	4 pcs	10 (0.39)	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)	23 (0.90)	544 (21.4)	396 (15.5)	596 (23.4)	365 (14.3)	73 (2.87)	5 pcs	10 (0.39)	136kg / 299 lb

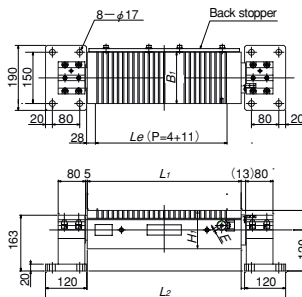
\*The ratchet handle (with socket) is included.

## 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

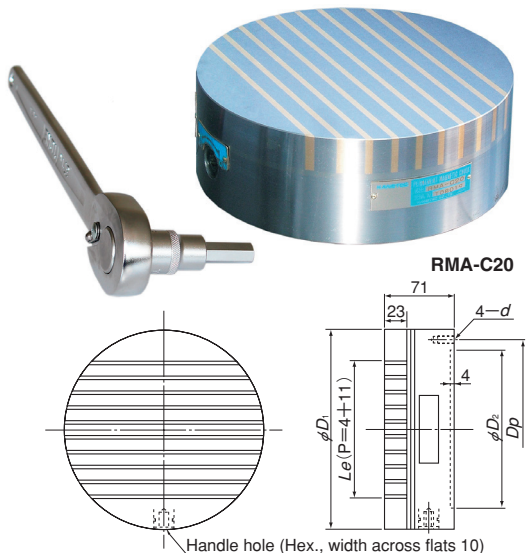
Model	Nominal Size	Work Face			Length	Height	Handle Hole	Mass
		B <sub>1</sub>	L <sub>1</sub>	L <sub>e</sub>				
RMA-1530U	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	229 (9.01)	552 (21.7)	177 (6.96)	Hex. 8 (0.31)	66kg / 145 lb
RMA-1545U	150 (5.90) × 450 (17.7)		450 (17.7)	379 (14.9)				702 (27.6)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

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

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



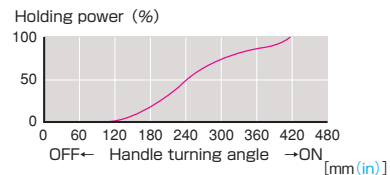
**[Application]**

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)

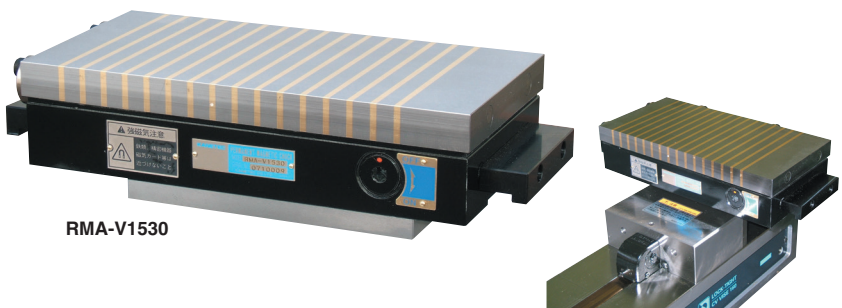


Model	Nominal Size	Work Face		Mounting Face			Mass
		$D_1$	$L_e$	$D_2$	$D_p$	$d$	
RMA-C16	160 (6.29)	160 (6.29)	109 (4.29)	125 (4.92)	140 (5.51)	M8 (0.31)	11kg/ 24.2 lb
RMA-C20	200 (7.87)	200 (7.87)	139 (5.47)	160 (6.29)	180 (7.08)	M8 (0.31)	17kg/ 37.4 lb
RMA-C25	250 (9.84)	250 (9.84)	184 (7.24)	200 (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**

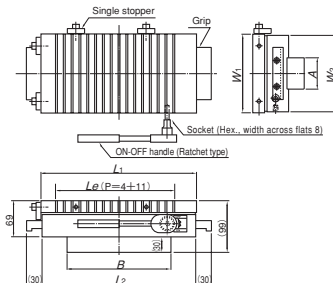


**[Application]**

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 chucking.
- The setup work is done more efficiently than when setting a workpiece in a vice.



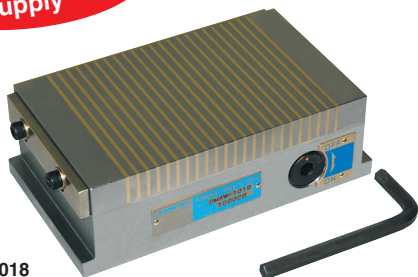
Model	Dimensions							Holding Power	Mass
	$W_1$	$L_1$	$W_2$	$L_2$	$L_e$	$A$	$B$		
RMA-V1325	125 (4.92)	250 (9.84)	121 (4.76)	246 (9.68)	184 (7.24)	50 (1.96)	150 (5.90)	10kN	18kg/ 39.6 lb
RMA-V1530	150 (5.90)	300 (11.8)	146 (5.74)	296 (11.6)	229 (9.01)	60 (2.36)	200 (7.87)	15kN	27kg/ 59.5 lb

※The ratchet handle (with socket) is included. ※For higher accuracy, the work face needs to be re-ground.  
※The holding power is based on a test piece of SS400, 50mm thick, ground surface held on the whole face.

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

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

Size is limited to supply



**[Application]**

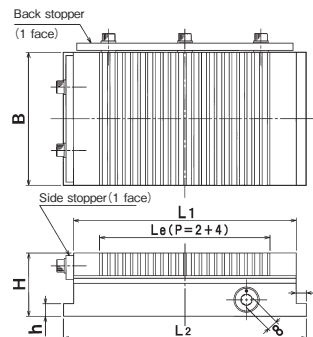
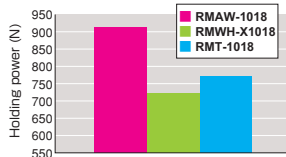
Suitable for grinding small and thin workpieces.

**[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.

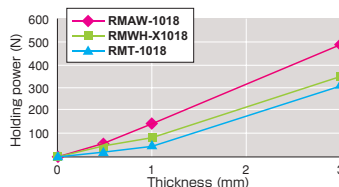
**Comparison of holding power on weak magnetic materials**

Center - holding power (□50 x 125.SKH2, HRC60 hardened test piece)



**Relation between holding power and thickness**

Center - thickness (□25: S15C test piece)



Model	Dimensions						Mass
	$B$	$L_1$	$L_e$	$H$	$L_2$	$h$	
RMAW-1018	105 (4.13)	175 (6.88)	134 (5.27)		191 (7.51)		7kg/15.4 lb
RMAW-1325	125 (4.92)	250 (9.84)	206 (8.11)	50 (1.96)	266 (10.4)	10 (0.39)	12kg/26.4 lb
RMAW-1530	150 (5.90)	300 (11.8)	254 (9.99)		316 (12.4)		18kg/39.6 lb

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

ELECTROMAGNETIC CHUCKS  
CHUCK CONTROLLERS  
PERMANENT MAGNETIC CHUCKS  
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

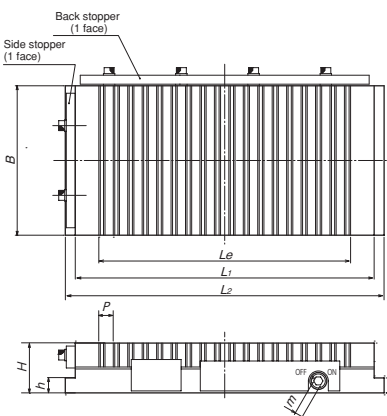


RMT-2035

**[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.

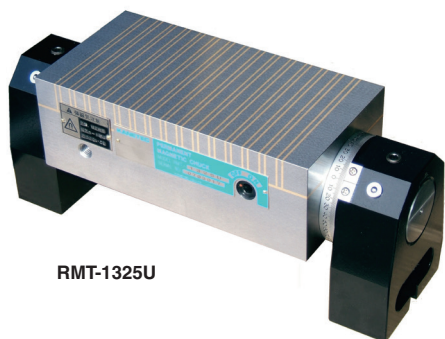
Special sizes and stainless-steel types are also available.



Model	Nominal Size	Work Face			Pole Pitch	Mounting Face			Height	Handle Hole	Mass
		B	L <sub>1</sub>	L <sub>e</sub>	P	B	L <sub>2</sub>	h	H	E	
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)		170 (6.69)	8.5kg/ 18 lb				
RMT-1530	150 (5.90) × 300 (11.8)		300 (11.8)	253 (9.96)		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)	200 (7.87)	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)	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)	520 (20.4)	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.

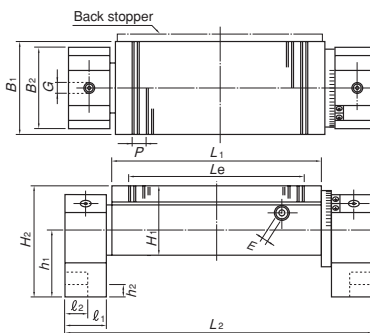
## Model RMT-U TILT TYPE PERMANENT MAGNETIC CHUCK



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.

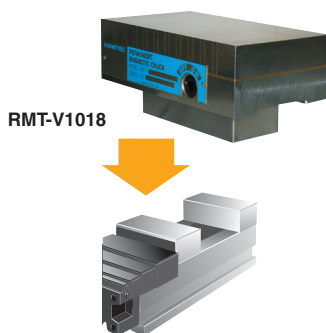


Model	Nominal Size	Work Face				Pole Pitch	Tilt Base				Length	Height	Handle Hole	Mass		
		B <sub>1</sub>	L <sub>1</sub>	L <sub>e</sub>	H <sub>1</sub>	P	B <sub>2</sub>	ℓ <sub>1</sub>	ℓ <sub>2</sub>	G	h <sub>1</sub>	h	L <sub>2</sub>		H <sub>2</sub>	E
RMT- 713U	70 (2.75) × 130 (5.11)	70 (2.75)	130 (5.11)	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)	175 (6.89)	137 (5.39)	80 (3.15)	290 (11.4)						20kg/ 44 lb					
RMT-1025U	100 (3.93) × 250 (9.84)	250 (9.84)	210 (8.26)	80 (3.15)	365 (14.3)		25kg/ 55 lb									
RMT-1030U	100 (3.93) × 300 (11.8)	300 (11.8)	253 (9.96)	15 (0.59)	415 (16.3)		29kg/ 64 lb									
RMT-1325U	125 (4.92) × 250 (9.84)	125 (4.92)	250 (9.84)	210 (8.26)	86 (3.38)		100 (3.93)	50 (1.96)	29 (1.14)		15 (0.59)	365 (14.3)	29kg/ 64 lb			
RMT-1530U	150 (5.90) × 300 (11.8)	300 (11.8)	253 (9.96)	95 (3.74)	415 (16.3)						37kg/ 82 lb					
RMT-1535U	150 (5.90) × 350 (13.7)	150 (5.90)	350 (13.7)	296 (11.6)	95 (3.74)		465 (18.3)	40kg/ 88 lb								
RMT-1545U	150 (5.90) × 450 (17.7)		450 (17.7)	398 (15.6)	565 (22.2)		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

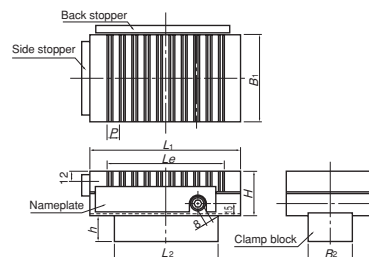
### Light duty cutting



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.



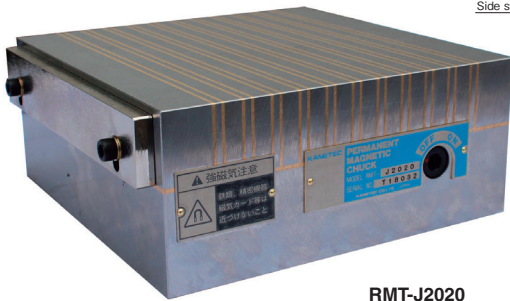
Model	Dimensions								Mass
	B <sub>1</sub>	L <sub>1</sub>	L <sub>e</sub>	P	H	B <sub>2</sub>	L <sub>2</sub>	h	
RMT-V1018	100 (3.93)	175 (6.89)	136.7 (5.38)	14.5 (1.5+3.2+1.5+8.3) (0.57)	53 (2.08)	50 (1.96)	120 (4.72)	30 (1.18)	8.4kg/ 18 lb
RMT-V1325	125 (4.92)	250 (9.84)	209.2 (8.23)				140 (5.51)		13.5kg/ 30 lb
RMT-V1515	150 (5.90)	150 (5.90)	107.7 (4.24)				95 (3.74)		9.5kg/ 21 lb

※ As for the handle, a hex wrench key is included. ※ For higher accuracy, the work face needs to be re-ground.

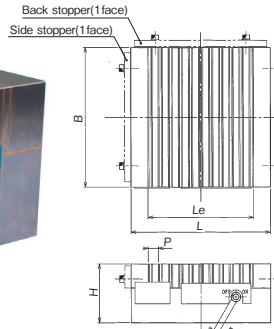
ELECTROMAGNETIC CHUCK CONTROLLERS  
PERMANENT MAGNETIC CHUCKS  
PERMANENT MAGNETIC CHUCKS  
BLOCKS FOR MC  
VACUUM CHUCKS  
PROMELTA\*  
SINE BAR CHUCKS  
BLOCKS HOLDERS  
HOLDING TOOLS  
MEASURING TOOL HOLDERS  
MAGNETIC HOLDERS  
MAGNETIC TOOLS

# RMT / RMT-U / RMT-V / RMT-J / RMWH / RMWH-J

## Model RMT-J ADDITIONALLY WORKABLE RECTANGULAR PERMANENT MAGNETIC CHUCK



RMT-J2020

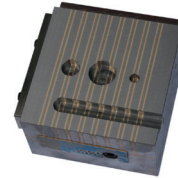


### [Application]

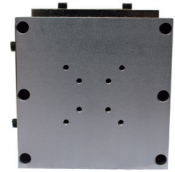
Powerful permanent magnetic chucks for a wide range of applications from heavy duty grinding to light duty cutting. Usable in liquid also.

### [Features]

- By additionally machining the work face, it becomes possible to hold by magnetism such irregular shaped workpieces that cannot be held on a flat surface. Also by additionally making mounting holes on the mounting face, it becomes possible to mount the chuck on pallets, etc.
- The work face can be machined to a depth of 13 mm max. and the mounting face to a depth of 25 mm max.



<An example of additional work on work face>

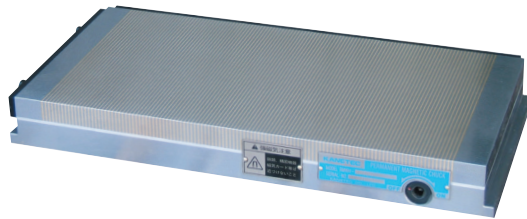


<An example of additional work on mounting face>

Model	Nominal Size	Work Face				Pole Pitch	Height	Handle Hole	Additionally Workable Depth		Mass
		B	L	Le	P				Work Face	Mounting Face	
RMT-J1515	150 (5.90)	150 (5.90)	150 (5.90)	107.7 (4.24)	14.5	85 (3.34)	8 (0.31)	Max.13 (0.51)	Max.25 (0.98)	15kg/33.0 lb	
	150 × 150 (5.90)	150 (5.90)	107.7 (4.24)	(1.5+3.2+1.5+8.3)							
RMT-J2020	200 (7.87)	200 (7.87)	200 (7.87)	151.2 (5.95)	0.57 (0.05+0.12+0.05+0.32)	85 (3.34)	8 (0.31)	Max.13 (0.51)	Max.25 (0.98)	27kg/59.5 lb	
	200 × 200 (7.87)	200 (7.87)	151.2 (5.95)	(0.05+0.12+0.05+0.32)							

※A hex wrench key is included with Model RMT-J1515 and a dedicated handle is included with Model RMT-J2020.

## Model RMWH RECTANGULAR PERMANENT MAGNETIC MICROPITCH CHUCK



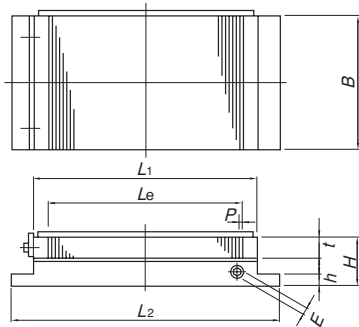
RMWH-2040C

### [Application]

Suitable for grinding thin, thick and small workpieces.

### [Features]

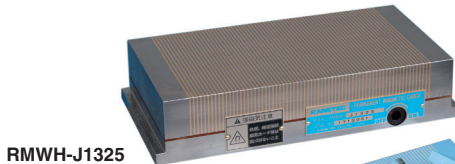
- Extremely low profile, 45 mm for small to medium sizes and 50 mm for large sizes and light weight.
- A wide attractive area on the chuck work face, allowing the corners to be utilized.
- The magnetic force ON-OFF handle can be operated lightly thanks to a special slide design. The side insert type 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. (Not usable in liquid) ※ For use in liquid, please use Model RMWH-ED.



Model	Nominal Size	Work Face				Pole Pitch	Mounting Face		Height	Handle Hole	Mass
		B	L <sub>1</sub>	Le	t		B	L <sub>2</sub>			
RMWH-713C	75 (2.95) × 130 (5.11)	75 (2.95)	130 (5.11)	103 (4.05)		75 (2.95)	146 (5.74)	45 (1.77)	8 (0.31)	3.8kg/ 8 lb	
RMWH-1018C	105 (4.13) × 175 (6.89)		175 (6.89)	142 (5.59)			191 (7.52)			7kg/ 15 lb	
RMWH-1025C	105 (4.13) × 250 (9.84)	105 (4.13)	250 (9.84)	208 (8.18)	18 (0.70)	3 (1+2) (0.11)	266 (10.4)	10 (0.39)	8 (0.31)	9.5kg/ 20 lb	
RMWH-1030C	105 (4.13) × 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)	18 (0.70)	3 (1+2) (0.11)	266 (10.4)	10 (0.39)	8 (0.31)	12kg/ 26 lb	
RMWH-1515C	150 (5.90) × 150 (5.90)			118 (4.64)			166 (6.53)			8.5kg/ 18 lb	
RMWH-1530C	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	256 (10.0)	18 (0.70)	3 (1+2) (0.11)	316 (12.4)	10 (0.39)	8 (0.31)	16.5kg/ 36 lb	
RMWH-1535C	150 (5.90) × 350 (13.7)			298 (11.7)			366 (14.4)			19kg/ 41 lb	
RMWH-1545C	150 (5.90) × 450 (17.7)	150 (5.90)	450 (17.7)	394 (15.5)	18 (0.70)	3 (1+2) (0.11)	466 (18.3)	10 (0.39)	8 (0.31)	24.5kg/ 53 lb	
RMWH-2035C	200 (7.87) × 350 (13.7)			298 (11.7)			366 (14.4)			26kg/ 57 lb	
RMWH-2040C	200 (7.87) × 400 (15.7)	200 (7.87)	400 (15.7)	346 (13.6)	18 (0.70)	3 (1+2) (0.11)	416 (16.3)	14 (0.55)	8 (0.31)	29.5kg/ 64 lb	
RMWH-2050C	200 (7.87) × 500 (19.6)			442 (17.4)			516 (20.3)			40kg/ 88 lb	
RMWH-2060C	200 (7.87) × 600 (23.6)	200 (7.87)	600 (23.6)	541 (21.3)	18 (0.70)	3 (1+2) (0.11)	616 (24.2)	14 (0.55)	8 (0.31)	48kg/ 105 lb	
RMWH-2525C	250 (9.84) × 250 (9.84)			208 (8.18)			266 (10.4)			24kg/ 52 lb	
RMWH-2530C	250 (9.84) × 300 (11.8)	250 (9.84)	300 (11.8)	256 (10.0)	18 (0.70)	3 (1+2) (0.11)	316 (12.4)	10 (0.39)	8 (0.31)	28kg/ 61 lb	
RMWH-3050C	300 (11.8) × 500 (19.6)			442 (17.4)			516 (20.3)			60kg/ 132 lb	
RMWH-3060C	300 (11.8) × 600 (23.6)	300 (11.8)	600 (23.6)	541 (21.3)	18 (0.70)	3 (1+2) (0.11)	616 (24.2)	14 (0.55)	8 (0.31)	72kg/ 158 lb	

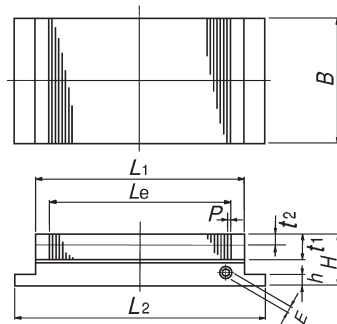
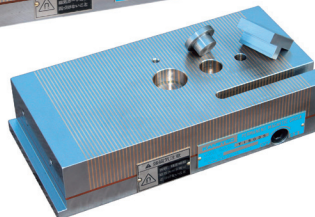
※As for the handle, a hex wrench key is included.

## Model RMWH-J ADDITIONALLY WORKABLE RECTANGULAR PERMANENT MAGNETIC CHUCK



RMWH-J1325

<An example of additional work according to workpiece>



### [Application]

Suitable for grinding thin, thick and small workpieces.

### [Features]

- As with the standard Model RMWH, this is 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.
- Since the chuck work face can be machined to a depth of 15 mm max., workpieces that do not have a flat attractive face can also be held firmly.
- By machining holes and slots according to workpiece shapes in advance, the workpiece securing and setting up time can be reduced significantly when compared with the conventional mechanical clamping method.
- Since the face plate is thicker than the standard Model RMWH by 15 mm, this chuck can be used for a longer period of time in applications that require frequent self-cut.
- The chuck mounting section is made of iron, which allows the chuck to be held on an existing magnetic chuck.

Model	Nominal Size	Work Face				Pole Pitch	Mounting Face		Height	Processable Dimensions	Handle Hole	Mass	
		B	L <sub>1</sub>	Le	t <sub>1</sub>		B	L <sub>2</sub>					
RMWH-J1325	130 (5.11) × 250 (9.84)	130 (5.11)	250 (9.84)	208 (8.18)	33 (1.29)	3 (1+2) (0.11) (0.03+0.07)	130 (5.11)	266 (10.4)	10 (0.39)	55 (2.16)	Max.15 (0.59)	8 (0.31)	15kg/ 33.0 lb

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

Sizes up to 130 mm wide × 250 mm long maximum available.

ELECTROMAGNETIC CHUCKS  
CHUCK CONTROLLERS  
PERMANENT MAGNETIC CHUCKS  
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 RMWH-X RECTANGULAR PERMANENT MAGNETIC SUPER MICROPITCH CHUCK

It's popular to our users processing small or thin work pieces!



RMWH-X713

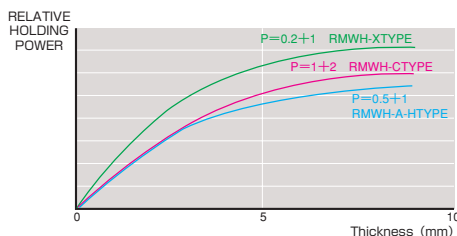
**[Application]**

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

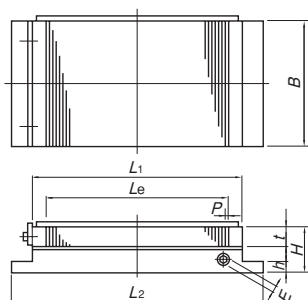
**[Features]**

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

**Relation between the holding power and the thickness**



**NOTE** The graph shows that there is a difference between the test piece by an average characteristic size □ 50. Depends on the size of the workpiece material, etc. and the size of the chuck.



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)			150 (5.90)	166 (6.53)				7kg/15.4 lb
RMWH-X1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	257 (10.1)			150 (5.90)	316 (12.4)				14kg/30.8 lb

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

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

**[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]**

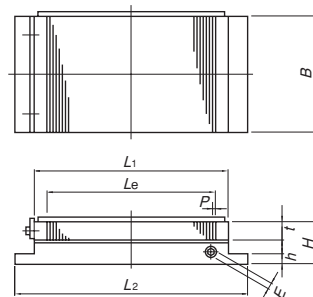
- Compared with Model RMWH-C, these chucks are capable of holding thinner and smaller workpieces.



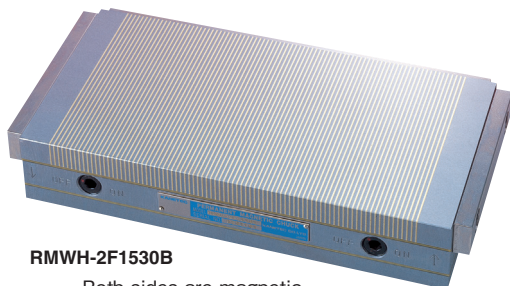
RMWH-1018A-H

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.



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

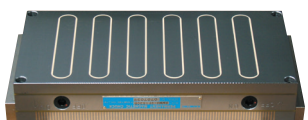


RMWH-2F1530B

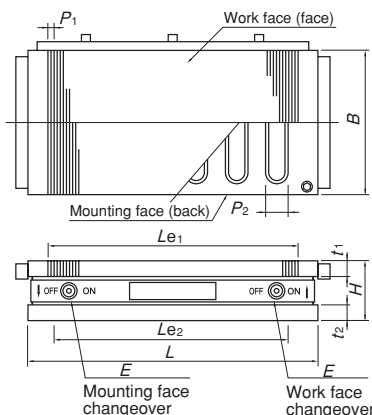
Both sides are magnetic.



Face



Back



**[Application]**

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

**[Features]**

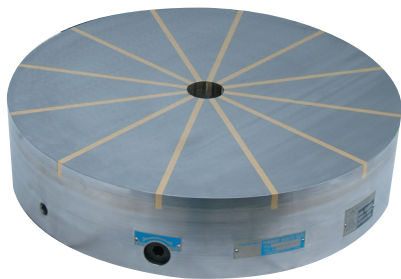
- A micro pole-to-pole pitch on the chuck work face generates effective holding power on thin and small workpieces.
- A powerful permanent magnetic attractive face having a chuck mounting face that can also be turned on and off. Thus, no mechanical clamping is required for installation.
- Can be used 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 P <sub>1</sub>	Mounting Face Pole		Mounting Face Pole P <sub>2</sub>	Height H	Handle Hole E	Mass
		B	L	L <sub>e1</sub>	t <sub>1</sub>		L <sub>e2</sub>	t <sub>2</sub>				
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

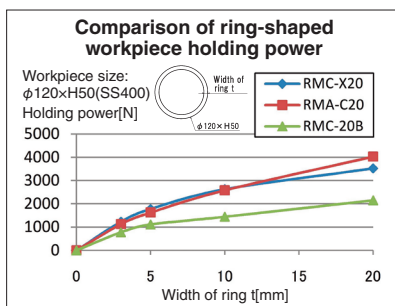
※As for the handle, a hex wrench key is included.

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

This chuck supports strongly bearing process.

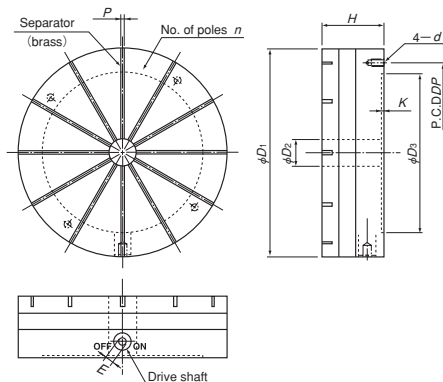


RMC-X40



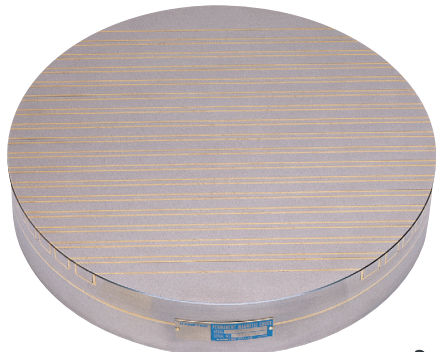
Model	Work Face				Mounting Face				Height		Handle Hole		Mass		
	Standard	Mag. force adjust	D <sub>1</sub>	D <sub>2</sub>	P	No. of poles "n"	D <sub>3</sub>	K	D <sub>p</sub>	d	Standard	Mag. force adjust	Standard	Mag. force adjust	Standard
RMC-X15	—	150 (5.90)	30 (1.18)	—	10	110 (4.33)	—	130 (5.11)	M8 (0.31)	74 (2.91)	—	8 (0.31)	—	Approx. 9 kg/19.8 lb	—
RMC-X20	RMC-X20B	200 (7.87)	—	—	10	160 (6.29)	—	180 (7.08)	M8 (0.31)	84 (3.30)	—	8 (0.31)	—	Approx. 16kg/35.2 lb	Approx. 18kg/39.6 lb
RMC-X30	RMC-X30B	300 (11.8)	40 (1.57)	6 (0.23)	12	230 (9.05)	4 (0.15)	260 (10.2)	M10 (0.39)	89 (3.50)	94 (3.70)	10 (0.39)	—	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)	—	—	10 (0.39)	—	Approx. 83kg/182 lb	Approx. 90kg/198 lb
RMC-X50	—	500 (19.6)	130 (5.11)	—	24	400 (15.7)	—	450 (17.7)	M12 (0.47)	117 (4.60)	—	—	—	Approx. 160kg/352 lb	—
RMC-X60	—	600 (23.6)	180 (7.08)	—	24	450 (17.7)	—	520 (20.4)	M12 (0.47)	—	—	—	—	Approx. 230kg/507 lb	—

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

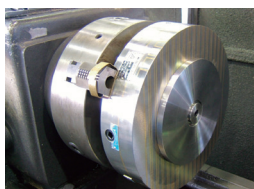


**Model RMC POWERFUL ROUND PERMANENT MAGNETIC CHUCK**

"B" is magnetic force adjust type.



RMC-32



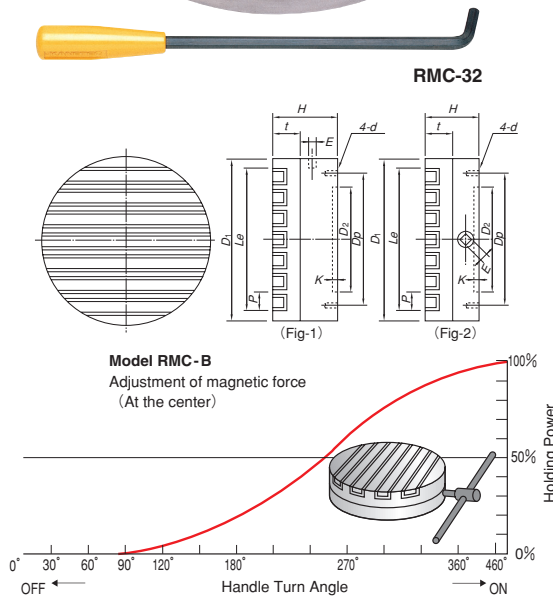
<An example of machining on lathe>

[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	Fig.	Nominal Dimensions		Top Plate		Pole Pitch		Bottom Plate			Face Plate Thickness t	Height H	Handle Hole E	Mass
		D <sub>1</sub>	Le	D <sub>1</sub>	Le	P	D <sub>2</sub>	K	D <sub>p</sub>	d				
RMC-13	1	125 (4.92)	125 (4.92)	88 (3.46)	—	100 (3.93)	—	112 (4.40)	M 6 (0.23)	—	24 (0.94)	55 (2.16)	Hexagon 8 (0.31)	4.5kg/10 lb
RMC-16		160 (6.29)	160 (6.29)	118 (4.64)	—	125 (4.92)	—	140 (5.51)	M 8 (0.31)	—				7.5kg/16 lb
RMC-20		200 (7.87)	200 (7.87)	149 (5.86)	15.2 (1.5+3.2+1.5+9)	160 (6.29)	4 (0.15)	180 (7.08)	—	—				12kg/26 lb
RMC-25		250 (9.84)	250 (9.84)	194 (7.63)	0.59 (0.05+0.12+0.05+0.35)	200 (7.87)	—	224 (8.81)	—	—				18kg/40 lb
RMC-32		315 (12.4)	315 (12.4)	255 (10.0)	—	250 (9.84)	—	280 (11.0)	M10 (0.39)	—				29kg/64 lb
RMC-40		400 (15.7)	400 (15.7)	331 (13.0)	—	315 (12.4)	—	355 (13.9)	—	—				47kg/104 lb

※As for handle, hexagonal wrench key is provided for model RMC-13 thru RMC-20, and special handle is supplied for model RMC-25 and above.

Model	Fig.	Nominal Dimensions		Top Plate		Pole Pitch		Bottom Plate			Face Plate Thickness t	Height H	Handle Hole E	Mass
		D <sub>1</sub>	Le	D <sub>1</sub>	Le	P	D <sub>2</sub>	K	D <sub>p</sub>	d				
RMC-13B	2	125 (4.92)	125 (4.92)	88 (3.46)	—	100 (3.93)	—	112 (4.40)	M 6 (0.23)	—	24 (0.94)	65 (2.55)	□ 8 (0.31)	6kg/13 lb
RMC-16B		160 (6.29)	160 (6.29)	118 (4.64)	—	125 (4.92)	—	140 (5.51)	M 8 (0.31)	—				9kg/20 lb
RMC-20B		200 (7.87)	200 (7.87)	149 (5.86)	15.2 (1.5+3.2+1.5+9)	160 (6.29)	4 (0.15)	180 (7.08)	—	—				15kg/33 lb
RMC-25B		250 (9.84)	250 (9.84)	194 (7.63)	0.59 (0.05+0.12+0.05+0.35)	200 (7.87)	—	224 (8.81)	—	—				23kg/51 lb
RMC-32B		315 (12.4)	315 (12.4)	255 (10.0)	—	250 (9.84)	—	280 (11.0)	M10 (0.39)	—				35kg/77 lb
RMC-40B		400 (15.7)	400 (15.7)	331 (13.0)	—	315 (12.4)	—	355 (13.9)	—	—				62kg/137 lb

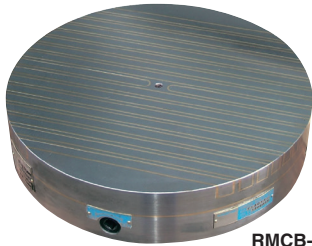
※The magnetic force is turned on and off with the T-shape handle (accessory) for the scroll chuck.

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

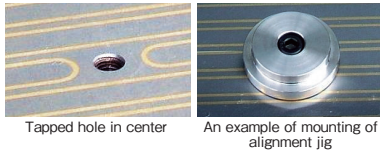
# PERMANENT MAGNETIC CHUCKS

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

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



RMCB-32B



Tapped hole in center

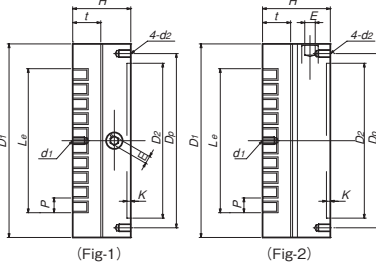
An example of mounting of alignment jig

### [Application]

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

### [Features]

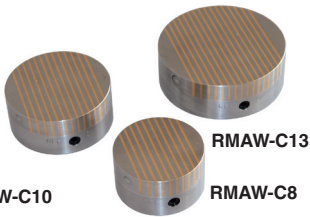
- Two types; standard type and magnetic force adjust type are available.
- As a standard feature, a tapped hole is provided in the center of the attractive face. This facilitates mounting of jigs/fixtures for workpiece alignment.
  - ※ The tapped hole in the center is allowed to be M10 max. for the chuck size  $\phi 160$  and M12 max. for  $\phi 200$  or over. (For the  $\phi 125$  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. [mm(in)]



Model		Fig		Nominal Size	Work Face			Mounting Face				Face Plate Thickness t	Height H		Tapped Hole in Center		Handle Hole E		Mass		
Standard	Mag. force adjust	Standard	Mag. force adjust		D <sub>1</sub>	L <sub>e</sub>	P	D <sub>2</sub>	K	D <sub>p</sub>	d <sub>2</sub>		Standard	Mag. force adjust	d <sub>1</sub>	Standard	Mag. force adjust	Standard	Mag. force adjust	Standard	Mag. force adjust
RMCB-13	RMCB-13B	1	2	125	125	88	15.2 (1.5+9+ 1.5+3.2) 0.59 (0.05+0.35 +0.05+0.12)	4	112	M 6	29 (1.14)	60 (2.36)	70 (2.75)	M6(0.23) Depth12(0.47)	Hex. 8 (0.31)	□8 (0.31)	5kg/	7kg/	11.0 lb	15.4 lb	
RMCB-16	RMCB-16B			160	160	118			125	M 8							140	10kg/	14 kg/	17.6 lb	22.0 lb
RMCB-20	RMCB-20B			200	200	149			160	M 8							180	13kg/	16kg/	28.6 lb	35.2 lb
RMCB-25	RMCB-25B			250	250	194			200	M 8							224	21kg/	25kg/	46.3 lb	55.1 lb
RMCB-32	RMCB-32B			315	315	255			250	M10							280	31kg/	37kg/	68.3 lb	81.5 lb
RMCB-40	RMCB-40B			400	400	331			315	M10							355	51kg/	67kg/	112.4 lb	147.7 lb

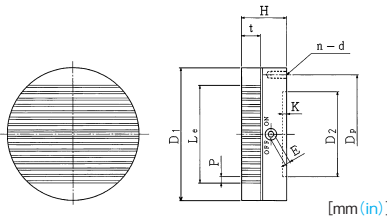
※ As for the handle, a hex wrench key is included with Standard Models RMCB-13 to 20, and a special changeover handle is included with Models RMCB-25 and above. A T-handle is included with the magnetic force adjust types.

## Model RMAW-C ROUND PERMANENT MAGNETIC CHUCK



RMAW-C13

RMAW-C8



[mm(in)]

Model	Nominal Size	Work Face			Mounting Face				Pole Pitch P	Face Plate Thickness t	Height H	Handle Hole E	Mass
		D <sub>1</sub>	L <sub>e</sub>	D <sub>2</sub>	K	D <sub>p</sub>	n	d					
RMAW-C8	80	80	56	40		65	3		6(2+4) 0.23 (0.07+0.15)	18 (0.70)	43 (1.69)	5 (0.19)	1.6kg/ 3.52 lb
RMAW-C10	100	100	74	60	4	76	3	M 6 (0.23)					2.5kg/ 5.51 lb
RMAW-C13	125	125	92	80		112	4						3.9kg/ 8.59 lb

※ A hex wrench key is included.

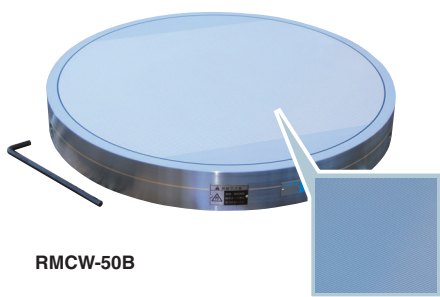
### [Application]

Used for holding small and thin workpieces in grinding operations on grinders.

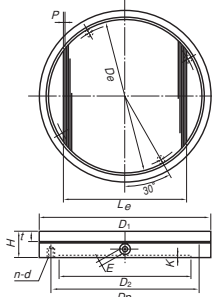
### [Features]

- These chucks firmly hold small and thin workpieces of 3 mm in plate thickness or less.
- While the sizes are the same as conventional chucks, these chucks produce holding power that is about twice as powerful.
- These chucks also offer superior holding performance to conventional chucks on hardened parts used in molds.
- The gap performance is also excellent to reduce influence of flatness and roughness of workpiece attractive faces.
- These are of powerful round type to enable them to be used on light-duty cutting on lathes also.

## 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]

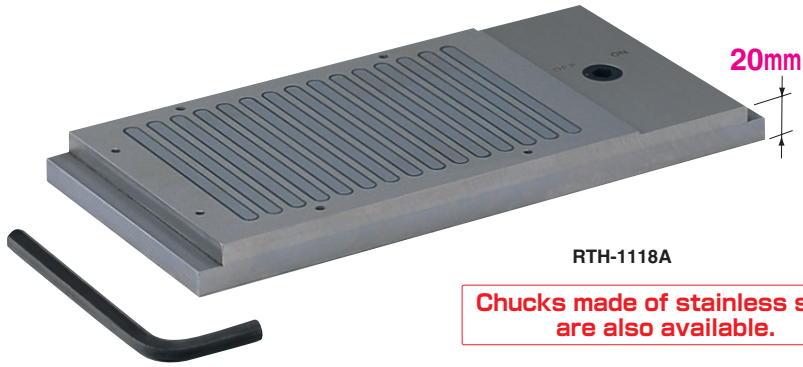
- Thin; 43 mm to 60 mm.
- Micro pole pitch; can be used with any sizes of workpieces, small and large and thin and thick.
- The handle is a hex wrench key. It can be operated lightly. A half turn turns on and off the magnetic force.
- The changeover handle can be set at an angle to generate a weak magnetic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

Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face				Face Plate Thickness L <sub>2</sub>	Height H <sub>2</sub>	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)		44(1.73)	2(0.07) <sup>*1</sup>	M 6(0.23)	18(0.70)	43(1.69)	1kg/
RMCW-16B	160(6.29)	160(6.29)	134(5.27)	88(3.46)		125(4.92)	2	140(5.51)					6.5kg/
RMCW-20B	200(7.87)	200(7.87)	172(6.77)	121(4.76)		160(6.29)	(0.07)	180(7.08)		M 8(0.31)			10kg/
RMCW-25B	250(9.84)	250(9.84)	220(8.66)	184(7.24)		200(7.87)		224(8.81)					15kg/
RMCW-30B	300(11.8)	300(11.8)	272(10.7)	220(8.66)	3(1+2)(0.11)	230(9.05)		260(10.2)	4(0.15)	M10(0.39)			25kg/
RMCW-40B	400(15.7)	400(15.7)	370(14.5)	319(12.5)		315(12.4)	3	355(13.9)					45kg/
RMCW-50B	500(19.6)	500(19.6)	466(18.3)	358(14.1)		350(13.7)	(0.11)	400(15.7)		M12(0.47)	90kg/		
RMCW-60B	600(23.6)	600(23.6)	566(22.2)	457(18.0)		450(17.7)		500(19.6)			25(0.98)	60(2.36)	115kg/

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

ELECTROMAGNETIC CHUCK CONTROLLERS MAGNETIC CHUCKS PERMANENT MAGNETIC CHUCKS ELECTROMAGNETIC CHUCKS BLOCKS FOR MC VACUUM CHUCKS PROMELTA SINE BAR CHUCKS BLOCKS HOLDERS MINICHUCKS HOLDING TOOLS MEASURING TOOL HOLDERS MAGNETIC TOOLS

**Model RTH SUPER THIN RECTANGULAR PERMANENT MAGNETIC CHUCK**



RTH-1118A

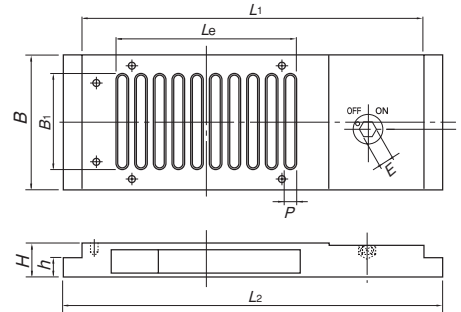
Chucks made of stainless steel are also available.

**[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 P	Mounting Face			Height H	Handle Hole E	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)				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)				4.5kg/ 9.9 lb

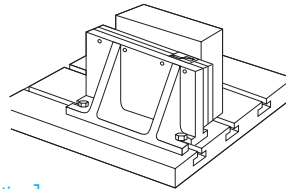
※As for the handle, a hex wrench key is included.

**Model SKM VERTICAL PERMANENT MAGNETIC CHUCK**



SKM-1325

**An example of mounting**

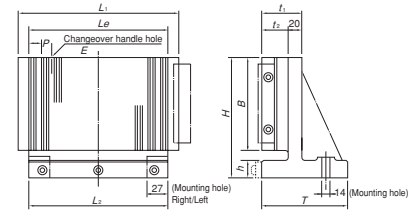


**[Application]**

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.

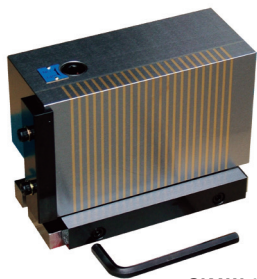


Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face		Thickness		Height		Handle Hole E	Mass
		B	L <sub>1</sub>	Le		T	L <sub>2</sub>	t <sub>1</sub>	t <sub>2</sub>	H	h		
SKM-1018	100(3.93) × 175(6.89)	100(3.93)	175(6.89)	137(5.39)	14.5(1.5+3.2+1.5+8.3) 0.57 (0.05+0.12+0.05+0.32)	130 (5.11)	145(5.70)	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					

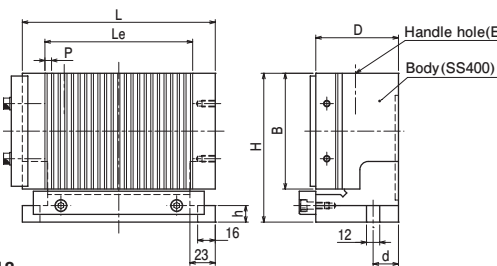
※One set of stoppers is included. As for the handle, a hex wrench key is included.

**Model SKAW VERTICAL PERMANENT MAGNETIC CHUCK**

**A new powerful model added to permanent magnetic chucks forsecuring workpieces in vertical direction!**



SKAW-1018



**[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.

The standard material of the angle plate is SS400, but it may be made of SKD-11 (HRC60).

Model	Nominal Size	Work Face			Pole Pitch P	Thickness D	Height H	Mounting Face		Handle Hole E	Mass
		B	L	Le				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.

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-ED RECTANGULAR PERMANENT MAGNETIC CHUCK WITH JET HOLE



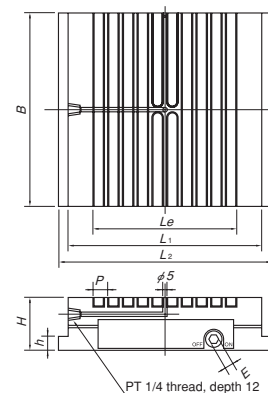
RMT-ED2525

### [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.

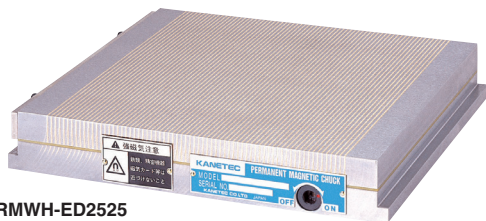


[mm (in)]

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>		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

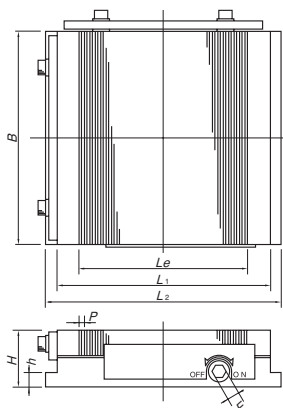
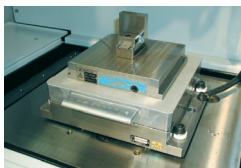
※As for the handle, a hex wrench key is included. ※An electromagnetic type (special specification) is also available.

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



RMWH-ED2525

An example of usage



### [Application]

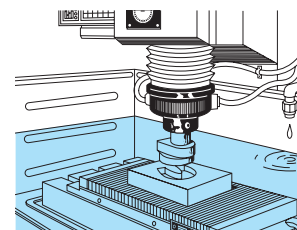
Suitable for securing workpieces during electric discharge machining.

### [Features]

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

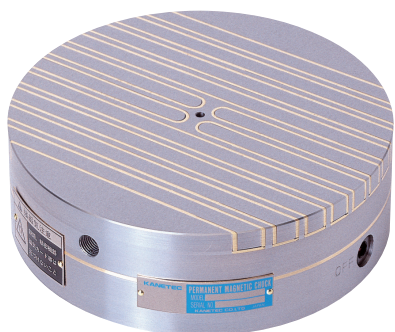
Model	Nominal Size	Work Face			Pole Pitch P	Mounting Face			Height H	Handle Hole E	Mass
		B	L <sub>1</sub>	L <sub>e</sub>		B	L <sub>2</sub>	h			
RMWH-ED1018	105 (4.13) × 175 (6.88)	105 (4.13)	175 (6.88)	142 (5.59)	3 (1+2) 0.11 (0.03+0.07)	105 (4.13)	191 (7.51)	10	40	Hex. 8 (0.31)	5.5kg/ 12.1 lb
RMWH-ED1515	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)	(0.39)	(1.57)		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)	14	45		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)	(0.55)	(1.77)		63kg/ 138.8 lb

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



An image of usage on electric discharge machine

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



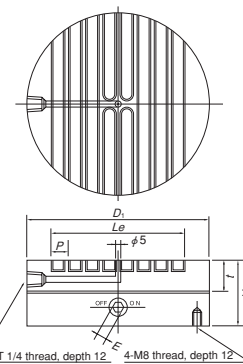
RMC-ED20

### [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.



[mm (in)]

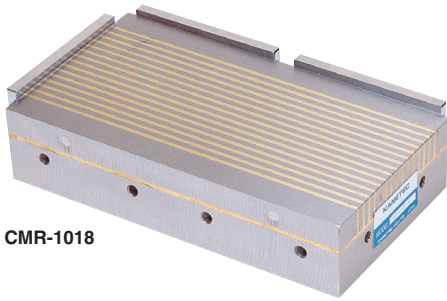
Model	Nominal Size	Work Face		Pole Pitch P	Face Plate Thickness t	Height H	Handle Hole E	Mass
		D <sub>1</sub>	L <sub>e</sub>					
RMC-ED16	160 (6.29)	160 (6.29)	118 (4.64)	15.2 (1.5+9+1.5+3.2) 0.59 (0.05+0.35+0.05+0.12)	29 (1.14)	60 (2.36)	Hex. 8 (0.31)	8.5kg/18 lb
RMC-ED20	200 (7.87)	200 (7.87)	149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

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

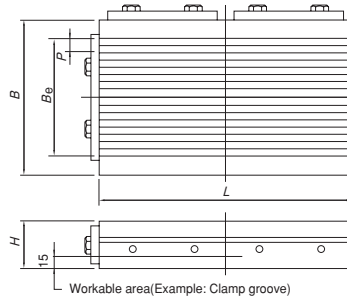
ELECTROMAGNETIC CHUCK CONTROLLERS MAGNETIC CHUCKS PERMANENT ELECTROMAGNETIC CHUCKS BLOCKS FOR MC VACUUM CHUCKS PROMELTA\* SINE BAR CHUCKS BLOCKS HOLDERS MINICHUCKS HOLDING TOOLS MEASURING TOOL HOLDERS MAGNETIC HOLDERS MAGNETIC TOOLS

# RMT-ED / RMWH-ED / RMC-ED / CMR / CMR-H / CMR-DL

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



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.

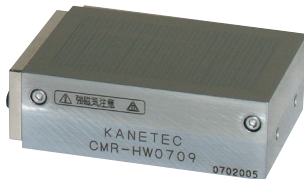
Model	Nominal Size	Work Face			Pole Pitch	Height	Holding Power	Mass
		B	L	Be				
CMR-1010	100(3.93) × 100(3.93)	100(3.93)	100(3.93)	72(2.83)	5(2+3) 0.19(0.07+0.11)	40(1.57)	210N(21kgf) on □50 × 125 carbide test piece	3 kg/ 6.6 lb
CMR-1018	100(3.93) × 180(7.08)		180(7.08)					5.5kg/12.1 lb

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



CMR-H0709

<Standard pitch type>



CMR-HW0709

<Fine pitch type>



Side slip measuring direction

### [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.

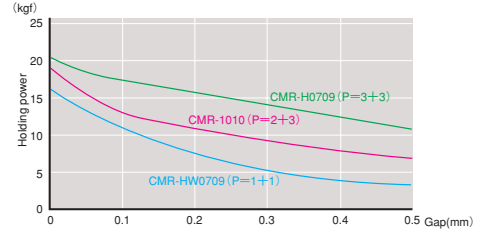
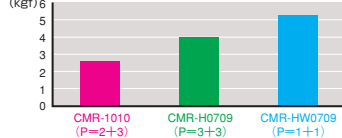
### ■ CMR-H type holding power characteristics

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

### ■ Comparison of side slip holding power

Carbide test piece (G8 15 × 20 × 30)

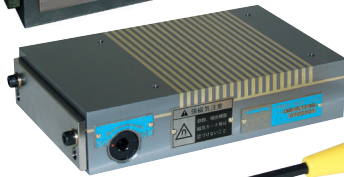
Side slip holding power



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

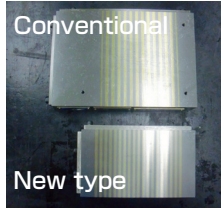


CMR-DL0915B



CMR-DL1319B

Comparison of magnetic poles with conventional model



## Long-awaited compact type!

### [Application]

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

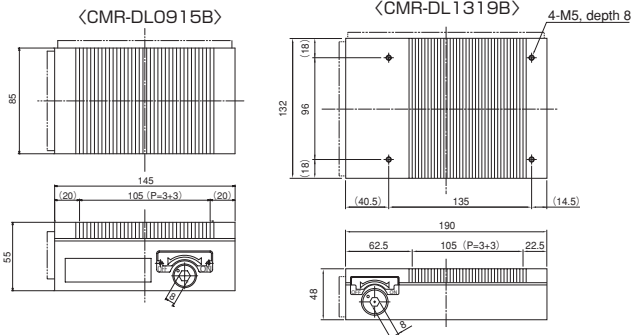
### [Features]

- 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)

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								175N
CMR-DW1319	132(5.19) × 190(7.48)	48(1.89)	4(2+2) 0.15(0.07+0.07)	106(4.17)	190N	60°	9kg/ 19.8 lb	Fine
CMR-DS1319			8(4+4) 0.31(0.15+0.15)	100(3.94)	200N	120°		Powerful

The holding power is based on a test piece of □50 × 125 carbide (G5).

\*As for the handle, a dedicated handle is included.



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MAGNETIC HOLDERS  
MAGNETIC TOOLS