

Model RMA PERMANENT MAGNETIC CHUCK FOR MILLING

Highest Holding Power in Kanetec Permanent Magnetic Chuck Series. New Enhanced Design of ON-OFF Switch Provides Improved Durability.



RMA-1530A

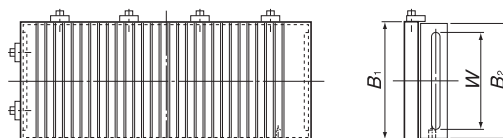


[Application]

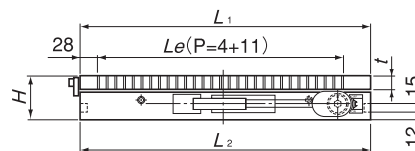
Usable for a wide range of applications from heavy duty cutting to heavy duty grinding. Also suitable for certain small workpieces and thin workpieces.

[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 scales.
- The holding power is very strong, yet the operation of the select ratchet handle is light and safe. The handle is removable for space saving.

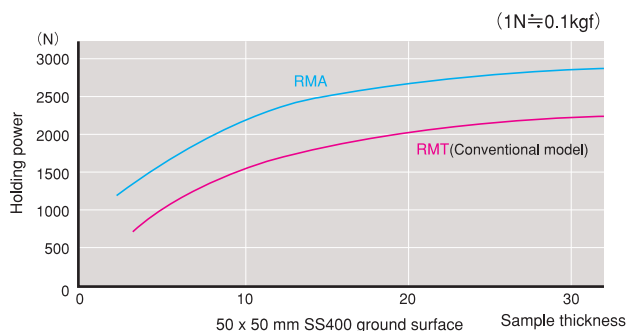


ON-OFF handle (ratchet type) Socket (hex.)

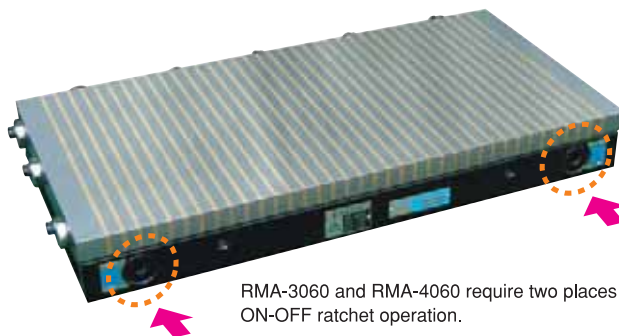
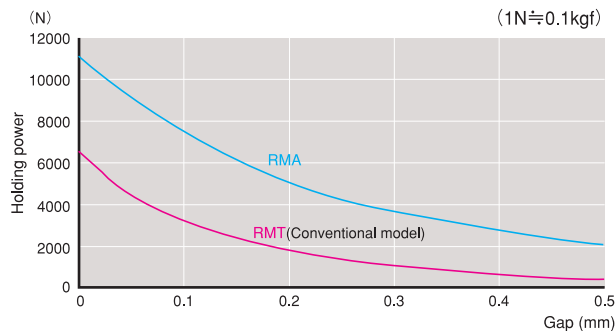


RMA type holding power characteristics

● Relation between workpiece thickness and holding power



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



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

[mm (in.)]												
Model	Nominal Dimensions	Top Plate				Bottom Plate			Height	Number of Stoppers		Mass
		B ₁	L ₁	t	Le	B ₂	L ₂	W		H	n	
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)	500 (19.6)	424 (16.6)		496 (19.5)	165 (6.49)	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)		73 (2.87)	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)			3 pcs	5 pcs
RMA-4060A	400 (15.7) × 600 (23.6)	400 (15.7)				396 (15.5)	365 (14.3)	4 pcs	136kg/ 299 lb			

[mm (in.)]

Model RMT POWERFUL RECTANGULAR TYPE



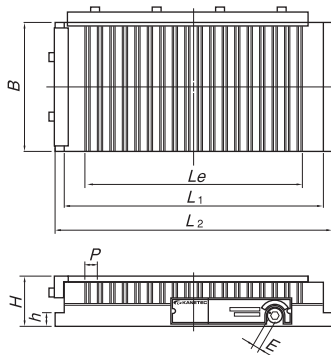
RMT-1530

[Application]

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

[Features]

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



[mm (in.)]												
Model	Nominal Dimensions	Top Plate			Pole Pitch	Bottom Plate			Height	Handle Hole	Mass	
		B	L ₁	Le	P	B	L ₂	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)	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)		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)		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)	200 (7.87)	450 (17.7)	398 (15.6)		200 (7.87)	470 (18.5)				33kg/ 73 lb	
RMT-2050	200 (7.87) ×500 (19.6)	200 (7.87)	500 (19.6)	441 (17.3)		200 (7.87)	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)	250 (9.84)	300 (11.8)	253 (9.96)		250 (9.84)	320 (12.6)				28kg/ 62 lb	
RMT-3050	300 (11.8) ×500 (19.6)	300 (11.8)	500 (19.6)	441 (17.3)		300 (11.8)	520 (20.4)		60 (2.36)		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 handle, hexagonal wrench key is provided for models up to RMT-1515, and special handle is supplied for models RMT-1530 and above. Handles in two places on RMT-3050/3060.

Model RMT-V VICE CLAMPING TYPE PERMANENT MAGNETIC CHUCK

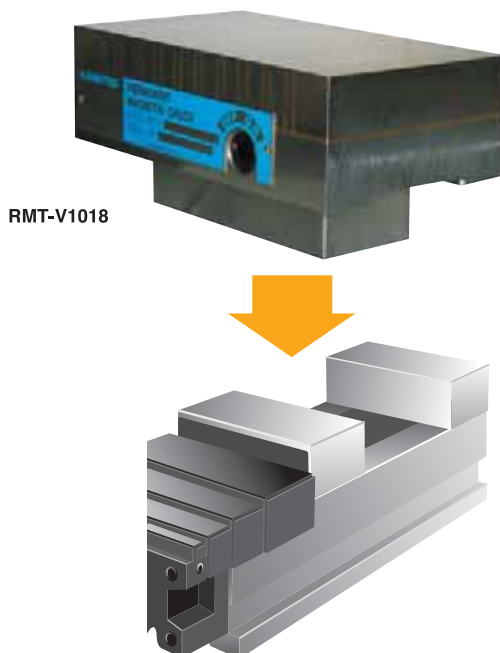
For light duty cutting

[Application]

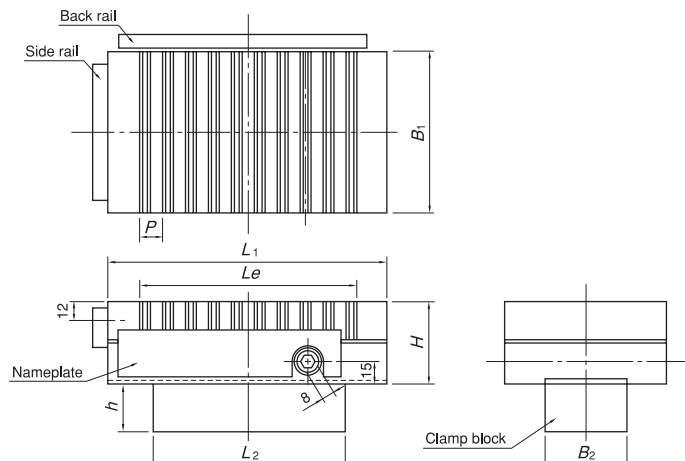
Most suitable for holding thin workpieces that cannot be secured by a machine vice directly.

[Features]

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



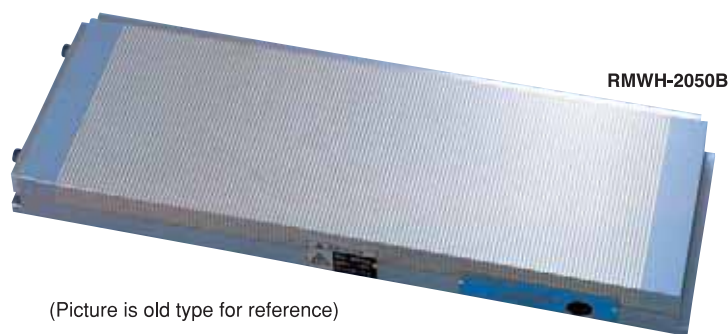
RMT-V1018



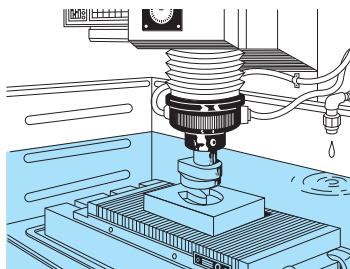
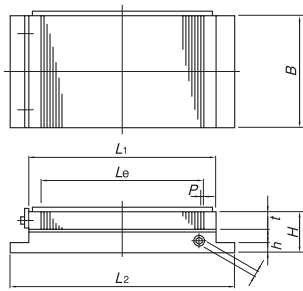
A vice clamp type of Super Powerful Permanent Magnetic Chuck Model RMA is also available for heavy duty cutting.

Model	Dimensions							Mass
	B ₁	L ₁	Le	H	B ₂	L ₂	h	
RMT-V1018	100 (3.93)	175 (6.89)	136.7 (5.38)	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

Model RMWH RECTANGULAR TYPE



(Picture is old type for reference)



Can be used in fluid such as during electric discharge machining.

[Application]

Suitable for grinding thin, thick and small workpieces. Since these chucks can be used in fluid, they can be used to hold workpieces during electric discharge machining.

[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, which can be used fully.
- The magnetic force ON-OFF handle can be operated with light hand force thanks to a special slide design. The side insert type used allows the handle to be removed when it is not used.
- A micro pitch 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.
- The workpiece can be positioned easily by using weak holding power since the handle can be turned to any position.

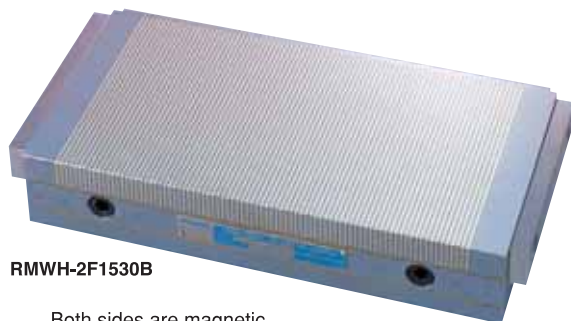
"Pole Pitch of 1.2 (0.2 + 1)" is also available. (Special type)

[mm (in)]

Model	Nominal Dimensions	Top Plate				Pole Pitch	Bottom Plate			Height	Handle Hole	Mass
		B	L ₁	L _e	t		B	L ₂	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)			150 (5.90)	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)			200 (7.87)	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)	14 (0.55)	50 (1.97)		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)			250 (9.84)	266 (10.4)	10 (0.39)	45 (1.77)		24kg/ 52 lb
RMWH-2530C	250 (9.84) × 300 (11.8)		300 (11.8)	256 (10.0)			300 (11.8)	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)	14 (0.55)	50 (1.97)		60kg/ 132 lb
RMWH-3060C	300 (11.8) × 600 (23.6)		600 (23.6)	541 (21.3)				616 (24.2)	72kg/ 158 lb			

※The handle is a hexagonal wrench key. ※A very thin (22 mm high) RMWH type is also available upon request.

Model RMWH-2F DOUBLE-FACE HOLDING TYPE



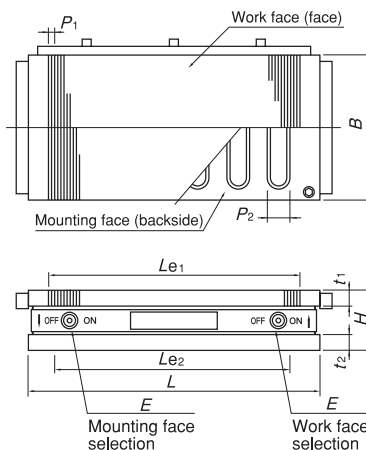
Both sides are magnetic.



Front face



Back face



[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 produces effective holding power on thin and small workpieces.
- A powerful permanent magnetic attractive face with the chuck mounting face that can also be turned on and off. Thus, no mechanical clamping is required for installation.
- Can be used in fluid.
- The select handle is of side insert type and can be removed when it is not used after ON/OFF operation.

[mm (in)]

Model	Nominal Dimensions	Top Plate				Face Plate Pole P ₁	Bottom Plate L ₂	Bottom Plate Pole t ₂	Height H	Handle Hole E	Mass
		B	L	Le ₁	t ₁						
RMWH-2F1530B	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	265 (10.4)	18 (0.70)	3 (1+2) (0.11)	222 (8.74)	13 (0.51)	20 (2+18) (0.78)	55 (2.16)	17.5kg/ 38 lb

※The handle is a hexagonal wrench key.

Model RMWH-A-H RECTANGULAR TYPE



RMWH-1018A-H

[Application]

These chucks can be used for a wide range of applications such as securing very small workpieces, grinding, electric discharge machining and wire cutting. They can be used in fluid.

[Features]

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

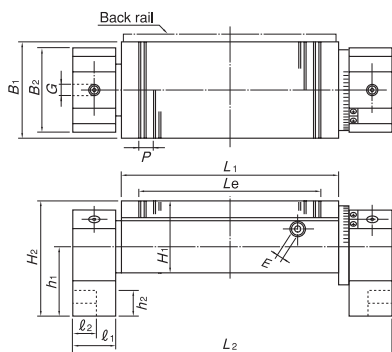
Model	Nominal Dimensions	Top Plate			Pole Pitch	Bottom Plate			Height	Handle Hole	Mass
		B	L ₁	L _e		B	L ₂	h			
RMWH-1018A-H	105 (4.13) × 175 (6.89)	100 (3.93)	175 (6.89)	143 (5.63)	18 (0.70) 1.5 (0.5+1) (0.05)	100 (3.93)	191 (7.52)	10 (0.39)	40 (1.57)	8 (0.31)	5.5kg/12 lb
RMWH-1325A-H	130 (5.11) × 250 (9.84)	130 (5.11)	250 (9.84)	209 (8.22)		130 (5.11)	266 (10.4)				10kg/22 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)				14kg/30 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

※ The handle is a hexagonal wrench key.

Model RMT-U ROTARY TYPE



RMT-1025U



These powerful chucks employ a high performance magnet to produce strong holding power on any workpieces from thin, small workpieces to thick workpieces and are widely used for tilted grinding operations. Since a permanent magnet is used, the chuck does not generate heat. They are recommended for highly precise machining operations.

[Application]

- Suitable for angle grinding on grinders.

[Features]

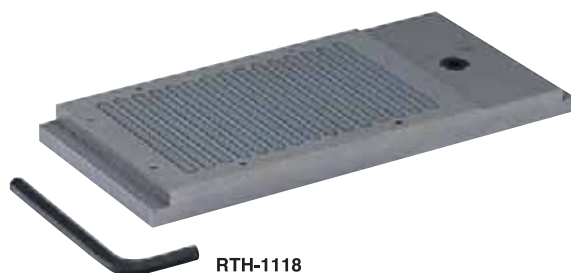
- The rotary shaft with scale facilitates angle setting operations.
- Easy installation and highly precise operations.

Model	Nominal Dimensions	Top Plate				Pole Pitch	Rotary Stand						Overall Length	Overall Height	Handle Hole	Mass	
		B ₁	L ₁	L _e	H ₁	P	B ₂	Q ₁	Q ₂	G	h ₁	h ₂	L ₂	H ₂	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)	25 (0.98)	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)			80 (3.15)	290 (11.4)	17 (0.66)	365 (14.3)		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)		300 (11.8)	253 (9.96)							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)			95 (3.74)	17 (0.66)	365 (14.3)	151 (5.94)		29kg/ 64 lb	
RMT-1530U	150 (5.90) ×300 (11.8)	150 (5.90)	300 (11.8)	253 (9.96)									415 (16.3)			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)	354 (13.9)									565 (22.2)			49kg/108 lb	

※ The handle is a hexagonal wrench key. ※ 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, please use a Sine Bar or other suitable type.

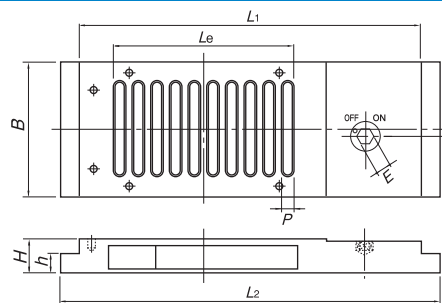
Model RTH THIN RECTANGULAR TYPE



RTH-1118

[Features]

- Very thin and light weight chucks designed for wire electric discharge machining and high speed light duty grinding.
- Made of stainless steel for rust prevention and complete waterproof construction. The magnetic force can of course be turned on and off.
- All models are as thin as 18 mm.



Model	Nominal Dimensions	Top Plate			Pole Pitch	Bottom Plate			Height	Handle Hole	Mass
		B	L ₁	L _e		L ₂	B	h			
RTH-713	70 (2.75) × 130 (5.11)	70 (2.75)	180 (7.08)	97 (3.81)	10 (1+5+1+3) (0.39)	200 (7.87)	70 (2.75)	10 (0.39)	18 (0.70)	8 (0.31)	1.8kg/3.9 lb
RTH-1118	110 (4.33) × 180 (7.08)	110 (4.33)	230 (9.05)	147 (5.78)		250 (9.84)	110 (4.33)				3.5kg/7.7 lb
RTH-1515	150 (5.90) × 150 (5.90)	150 (5.90)	200 (7.87)	117 (4.60)		220 (8.66)	150 (5.90)				4.2kg/9.2 lb

Model CMR HI-POWER MINI TYPE



CMR-1018

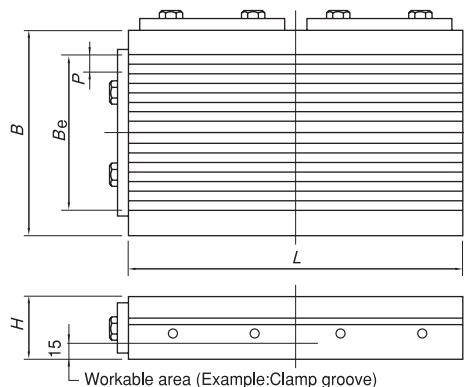
[Application]

These permanent magnetic chucks are designed for securing workpieces of materials having a relatively weak magnetic property such as cemented carbide during grinding.

They are normally mounted on and held by other chuck for use.

[Features]

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



[mm (in)]

Model	Nominal Dimensions	Top Plate			Pole Pitch	Height	Holding Power	Mass
		B	L	Be	P	H		
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×t25 carbide test piece	3.2kg/ 7.0 lb
CMR-1018	100 (3.93) × 180 (7.08)	100 (3.93)	180 (7.08)					5.7kg/12.5 lb

Model CMR-H HI-POWER MINI TYPE



CMR-H0709 <Standard pitch type>

[Application]

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

[Features]

CMR-H

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

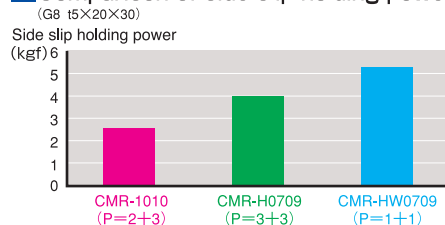
CMR-HW

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



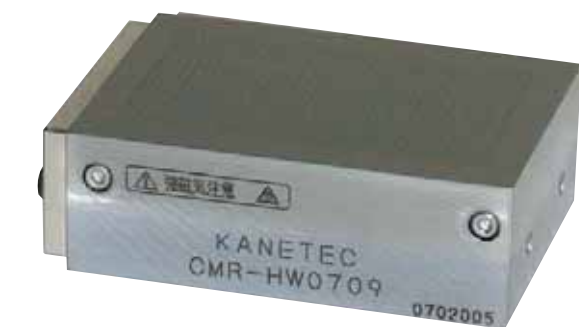
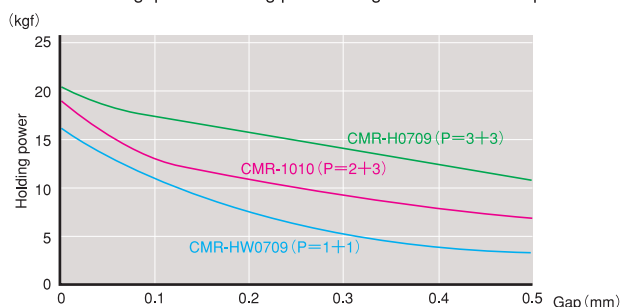
Side slip measuring direction

Comparison of side slip holding power



CMR-H type holding power characteristic

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



CMR-HW0709 <Fine pitch type>

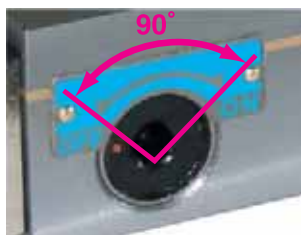
Model	Nominal Dimensions	Height	Pole Pitch	Mass
CMR-H0709	65 (2.55) × 90 (3.54)	30 (1.18)	6 (3+3) 0.23 (0.11+0.11)	1.3kg/2.8 lb
CMR-HW0709			2 (1+1) 0.07 (0.03+0.03)	
CMR-H1215	120 (4.72) × 150 (5.90)	33 (1.29)	6 (3+3) 0.23 (0.11+0.11)	3.6kg/7.9 lb
CMR-HW1215			2 (1+1) 0.07 (0.03+0.03)	

[mm (in)]

Model CMR-DL HI-POWER MINI TYPE



CMR-DL1319B



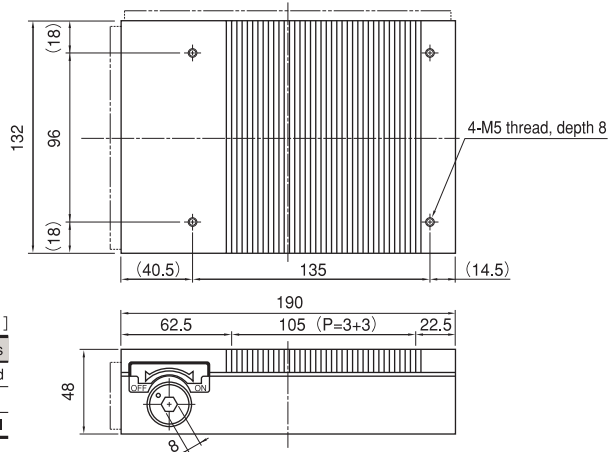
[Application]

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

[Features]

- The ON-OFF handle takes only a 90° turn from OFF to full ON, significantly improved from the 720° (2 turns) required by other conventional chucks.
- The holding performance has been enhanced by improving the pole pitch.
- Residual magnetism has been reduced by employing a unique construction.

〈CMR-DL1319B〉



Model	Nominal Dimensions	Height	Pole Pitch	Holding Power ※	Mass	Features
CMR-DL1319B	132 (5.19) × 190 (7.48)	48 (1.89)	6 (3+3) 0.23 (0.11+0.11)	175N	9kg/19 lb	Standard
CMR-DW1319			4 (2+2) 0.15 (0.07+0.07)	190N		Fine
CMR-DS1319			8 (4+4) 0.31 (0.15+0.15)	200N		Powerful

※ The holding power applies to 50 x 125 carbide test piece (G5).

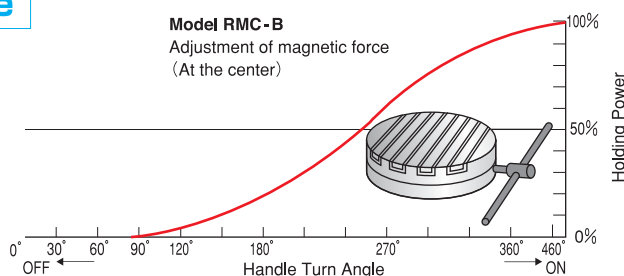
Model RMC POWERFUL CIRCULAR TYPE

“B” is magnetic force adjustable type



RMC-32

Model RMC-B
Adjustment of magnetic force
(At the center)

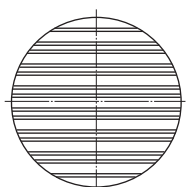


Model	Fig.	Nominal Dimensions	Top Plate		Pole Pitch	Bottom Plate				Face Plate Thickness	Height	Handle Hole	Mass
			D_1	L_e		D_2	K	D_p	d				
RMC-13	1	125 (4.92)	125 (4.92)	88 (3.46)	15.2 (0.59) (1.5+3.2+1.5+9) (0.05+0.12+0.05+0.35)	100 (3.93)	4	112 (4.40)	M 6 (0.23)	24 (0.94)	55 (2.16)	Hexagon 8 (0.31)	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)		160 (6.29)		180 (7.08)	M 8 (0.31)				12kg/ 26 lb
RMC-25		250 (9.84)	250 (9.84)	194 (7.63)		200 (7.87)		224 (8.81)	M 10 (0.39)				18kg/ 40 lb
RMC-32		315 (12.4)	315 (12.4)	255 (10.0)		250 (9.84)		280 (11.0)	M 10 (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

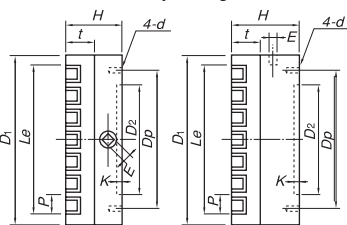
※ As for handle, hexagonal wrench key is provided for model RMC-13 thru RMC-20, and special handle is supplied for model RMC-25 and above.

Model	Fig.	Nominal Dimensions	Top Plate		Pole Pitch	Bottom Plate				Face Plate Thickness	Height	Handle Hole	Mass
			D_1	L_e		D_2	K	D_p	d				
RMC-13B	2	125 (4.92)	125 (4.92)	88 (3.46)	15.2 (0.59) (1.5+3.2+1.5+9) (0.05+0.12+0.05+0.35)	100 (3.93)	4	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)		160 (6.29)		180 (7.08)	M 8 (0.31)				15kg/ 33 lb
RMC-25B		250 (9.84)	250 (9.84)	194 (7.63)		200 (7.87)		224 (8.81)	M 10 (0.39)				23kg/ 51 lb
RMC-32B		315 (12.4)	315 (12.4)	255 (10.0)		250 (9.84)		280 (11.0)	M 10 (0.39)				35kg/ 77 lb
RMC-40B		400 (15.7)	400 (15.7)	331 (13.0)		315 (12.4)		355 (13.9)				□ 10 (0.39)	62kg/ 137 lb

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



(Fig. 1)



(Fig. 2)

[Application]

Permanent magnetic chucks with high performance magnet for grinding operation on rotary grinders, cylindrical grinders, internal grinders, and for cutting operations when mounted on a lathe.

[Features]

- “B” types can be used in such a way that they first hold a workpiece by a weak magnetic force and after finely adjusting its holding position, they are 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.

ELECTROMAGNETIC CHUCKS

CHUCK CONTROLLERS

PERMANENT MAGNETIC CHUCKS

PERMANENT ELECTROMAGNETIC CHUCKS

BLOCKS FOR MC

VACUUM CHUCKS

PROMELTA SYSTEM

SINE BAR CHUCKS

INJECTION MOLDING MACHINE MOLD FIXTURE

WORKING TOOLS

MAGNETIC BLOCKS

MEASURING TOOLS

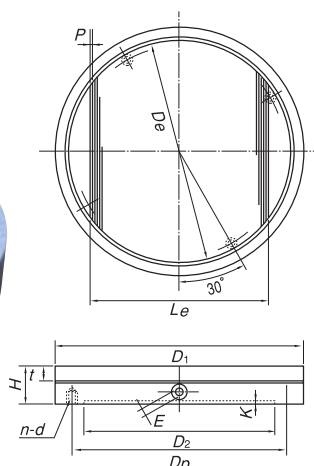
MEASURING TOOLS

PERMANENT MAGNETIC CHUCKS

Model RMCW THIN AND CIRCULAR TYPE



RMCW-50B



[Application]

Suitable for grinding a wide range of workpieces, from small and large, to thin and thick workpieces. 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 workpieces and thin and thick workpieces.
- The handle is a hexagonal wrench key. It can be operated with light turning, requiring only a half turn for magnetic force ON and OFF.
- The ON-OFF handle can be partially set to provide a weak magnetic force for easy positioning of workpieces, and temporary securing of parts.

[mm (in)]

Model	Nominal Dimensions	Top Plate			Pole Pitch	Bottom Plate					Face Plate Thickness	Height	Handle Hole	Mass
		D ₁	D _e	L _e		P	D ₂	K	D _p	n				
RMCW- 6B	60 (2.36)	60 (2.36)	50 (1.96)	35 (1.37)	3 (1+2) (0.11)	30 (1.18)	2 (0.07)	44 (1.73)	2 (0.07) ※1	M 6 (0.23)	18 (0.70)	43 (1.69)	Hexagon 8 (0.31)	1kg/ 2 lb
RMCW-10B	100 (3.93)	100 (3.93)	90 (3.54)	65 (2.55)		60 (2.36)	3 (0.11)	76 (2.99)	3 (0.11) ※1					2.5kg/ 6 lb
RMCW-13B	125 (4.92)	125 (4.92)	99 (3.89)	66.5 (2.61)		80 (3.15)	2 (0.07)	112 (4.40)	4 (0.15)	M 8 (0.31)				4kg/ 9 lb
RMCW-16B	160 (6.29)	160 (6.29)	134 (5.27)	87.5 (3.44)		125 (4.92)		140 (5.51)						6.5kg/ 14 lb
RMCW-20B	200 (7.87)	200 (7.87)	172 (6.77)	120 (4.72)		160 (6.29)	3 (0.11)	180 (7.08)	4 (0.15)	M10 (0.39)		10kg/ 22 lb		
RMCW-25B	250 (9.84)	250 (9.84)	220 (8.66)	185 (7.28)		200 (7.87)		224 (8.81)				15kg/ 33 lb		
RMCW-30B	300 (11.8)	300 (11.8)	272 (10.7)	219.5 (8.64)		230 (9.05)	3 (0.11)	260 (10.2)		M12 (0.47)	25 (0.98)	60 (2.36)		25kg/ 56 lb
RMCW-40B	400 (15.7)	400 (15.7)	370 (14.5)	320 (12.6)		315 (12.4)		355 (13.9)						44kg/ 98 lb
RMCW-50B	500 (19.6)	500 (19.6)	466 (18.3)	359 (14.1)		350 (13.7)		400 (15.7)					92kg/202 lb	
RMCW-60B	600 (23.6)	600 (23.6)	566 (22.2)	456 (17.9)		450 (17.7)		500 (19.6)					132kg/291 lb	

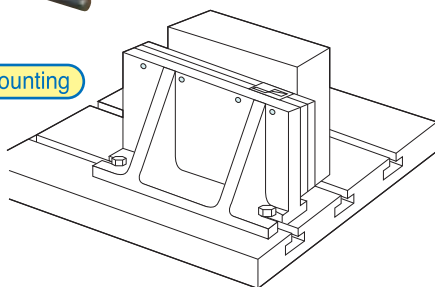
※1...For mounting holes of 6B and 10B, please contact us. ※The handle is a hexagonal wrench key.

Model SKM RECTANGULAR CHUCK TYPE



SKM-1325

An example of mounting

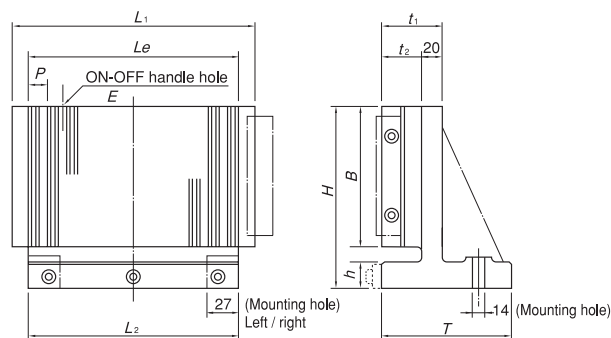


[Application]

These chucks can be used in such applications that 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 the SKM is our powerful RMT, rare earth magnetic chuck.
- Holds various sizes of workpieces; thin, small, and thick.



[mm (in)]

Model	Nominal Dimensions	Top Plate			Pole Pitch P	Bottom Plate		Thickness		Height		Handle Hole E	Mass
		B	L ₁	L _e		T	L ₂	t ₁	t ₂	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)	Hexagon 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)	210 (8.26)	70 (2.75)	50 (1.96)	160 (6.29)	20 (0.78)		22kg/48 lb
SKM-1530	150 (5.90) × 300 (11.8)	150 (5.90)	300 (11.8)	253 (9.96)		260 (10.2)	260 (10.2)	70 (2.75)	50 (1.96)	180 (7.08)	20 (0.78)		30kg/66 lb

※ One set of stoppers is included. The L-shaped handle is included.

Model RMT-ED JET HOLE TYPE



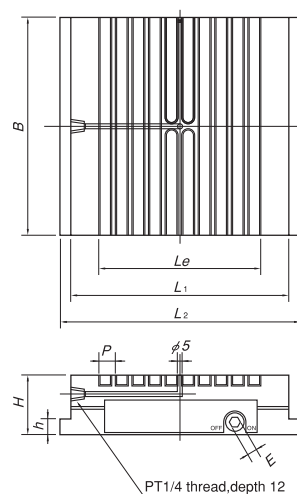
RMT-ED2525

[Application]

These chucks are designed for securing workpieces during electric discharge machining.

[Features]

- Can be used in fluid.
- With extra powerful holding, these chucks are suited to be used in applications where conventional, standard chucks cannot be used.
- A jetting hole is provided in the center for flushing and removal.
- The bottom face is made flat to allow tapping and clamping.
- Counter boring around the jet holes on the attractive face is possible.
- Improved water-tightness.



Model	Nominal Dimensions	Top Plate			Pole Pitch <i>P</i>	Bottom Plate			Height <i>H</i>	Handle Hole <i>E</i>	Mass
		<i>B</i>	<i>L</i> ₁	<i>L</i> ₂		<i>B</i>	<i>L</i> ₂	<i>h</i>			
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)	200 (7.87)	220 (8.66)	15 (0.59)	55 (2.16)	Hexagon 8 (0.31)	16kg/35 lb
RMT-ED2525	250 (9.84) × 250 (9.84)	250 (9.84)	250 (9.84)	210 (8.26)	0.59 (0.05+0.35+0.05+0.12)	250 (9.84)	270 (10.6)				23kg/51 lb

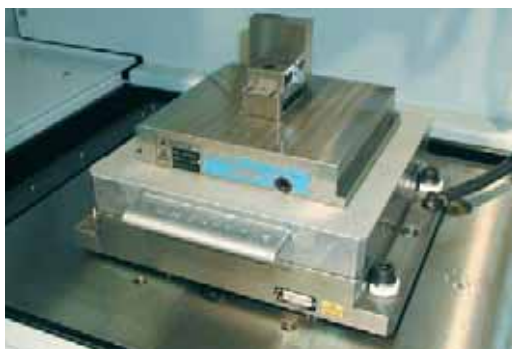
※ The chucks come with a hexagonal key wrench handle. ※ An electromagnetic type (special type) is also available. Please contact us.

Model RMWH-ED EDM TYPE



RMWH-ED2525

An example of usage

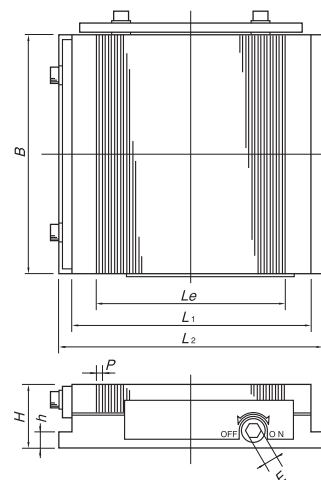


[Application]

These chucks are suitable for securing workpieces during electric discharge machining.

[Features]

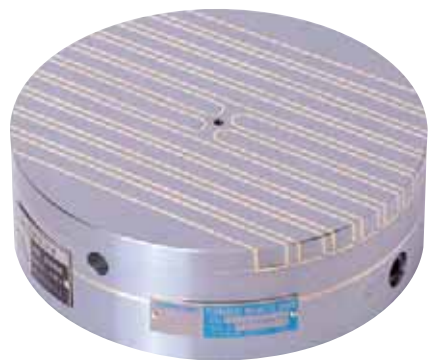
- Can be used in fluid.
- The use of fine pole pitches works very well with thin and small workpieces.
- The bottom is made flat to allow tapping for clamping metal.
- Water-tightness has been improved from the standard type.



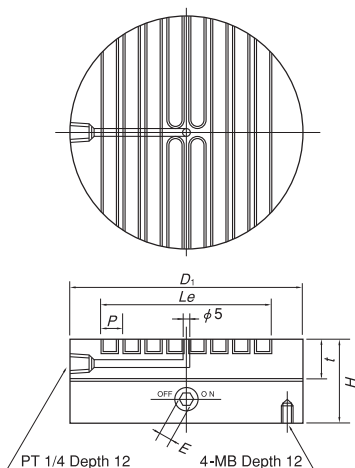
Model	Nominal Dimensions	Top Plate			Pole Pitch <i>P</i>	Bottom Plate			Height <i>H</i>	Handle Hole <i>E</i>	Mass
		<i>B</i>	<i>L</i> ₁	<i>L</i> ₂		<i>B</i>	<i>L</i> ₂	<i>h</i>			
RMWH-ED1515	150 (5.90) × 150 (5.90)	150 (5.90)	150 (5.90)	118 (4.64)	3 (1+2)	150 (5.90)	166 (6.53)	10 (0.39)	40 (1.57)	Hexagon 8 (0.31)	7.5kg/16 lb
RMWH-ED2020	200 (7.87) × 200 (7.87)	200 (7.87)	200 (7.87)	160 (6.29)	0.11 (0.03+0.07)	200 (7.87)	216 (8.50)				13kg/28 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 lb

※ The chucks come with a hexagonal key wrench handle.

Model RMC-ED JET HOLE AND CIRCULAR TYPE



RMC-ED20



[Application]

These chucks are suitable for securing work-pieces in electro discharge machining.

[Features]

- Can be used in fluid.
- With extra powerful holding, these chucks are suited to be used in applications where conventional, standard chucks cannot be used.
- A jetting hole is provided in the center for flushing and removal.
- The bottom face is made flat to allow tapping and clamping.
- Counter boring around the jet holes on the attractive face is possible.

Model	Nominal Dimensions	Top Plate		Pole Pitch	Face Plate Thickness	Height	Handle Hole	Mass
		D_1	L_e	P	t	H	E	
RMC-ED16	160 (6.29)	160 (6.29)	118 (4.64)	15.2 (1.5+3.2+1.5+9)	29 (1.14)	60 (2.36)	Hexagon 8 (0.31)	8.5kg/18 lb
RMC-ED20	200 (7.87)	200 (7.87)	149 (5.86)	0.59 (0.05+0.12+0.05+0.35)				14kg/31 lb

※ The chucks come with a hexagonal key wrench handle.

Model YS WORK SUPPORTER*

Nonmagnetic workpiece supporter



YS-10

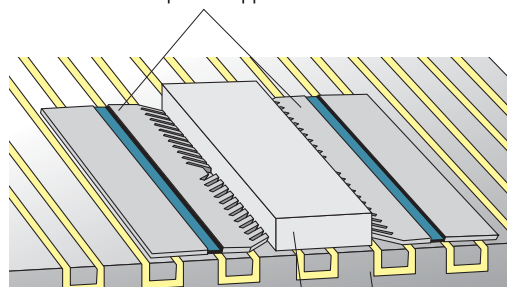


YS-15A



YS-20A

Workpiece supporters



Workpiece
Magnetic chuck

[Application]

These supporters can hold work material with weak magnetic properties, such as carbide, or materials as aluminum, brass, stainless steel, and others which cannot be held by magnetic chucks.

The part is held by strong spring force and secured to the magnetic chuck.

[Features]

- Come in various lengths.
- These supporters are thin and 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
YS-20A	200 (7.87)			220g/0.49 lb×2

※ For all models, two pieces make one set.

Model **MDR** MAGNETIC DRESSER



MDR-1C

Holding
Power
800N

Dresser is not included.

[Application]

Used for dressing grinding wheels.
The dresser can be held firmly on a powerful magnetic holder base.
Set-up is easy.

[Features]

- The magnetic force can be turned on and off with the lever to facilitate mounting and dismounting on the machine table. (For setting on a magnetic chuck, power OFF the chuck and power ON this Dresser.)
- The dresser can be mounted to any angle.
- The dresser mounting clamp can be secured to either the side or the top of the magnetic holder base. (The photo shows the clamp mounted on the side.)

[mm (in.)]

Model	Holding Power	Dresser Shaft Dia	Mass
MDR-1C	800N (80kgf)	φ11 (0.43) and φ12 (0.47)	1.2kg/2.64 lb

For removal and transportation of workpieces after grinding:

Workpieces after being ground remain stuck to the magnetic chuck after its magnetic force has been turned off and are therefore difficult to remove.
The following products help remove workpieces in such situations.



HL-15

For details, see page 76. 



LPR-V150A

For details, see page 84. 



LPR-P75

For details, see page 85. 

ELECTROMAGNETIC
CHUCKS

CHUCK
CONTROLLERS

PERMANENT
MAGNETIC CHUCKS

PERMANENT
ELECTROMAGNETIC CHUCKS

BLOCKS
FOR MC

VACUUM
CHUCKS

PROMELTA
SYSTEM

SINE BAR
CHUCKS

INJECTION MOLDING
MACHINE MOLD FIXTURE

WORKING
TOOLS

MAGNETIC
BLOCKS

MEASURING
TOOL HOLDERS

MEASURING
TOOLS