

Model designation

Loading direction	Clamp plate size	Clamp plate thickness	DD mag clamp	Diameter of locate ring (mm)	Power voltage	Language on operation panel	Operating temperature	Surface treatment	Special specification
A : Vertical loading B : Horizontal loading	0020 ? 3000	<input type="checkbox"/> : Standard <input checked="" type="checkbox"/> S : Thin-model	<input type="checkbox"/> : Not include <input checked="" type="checkbox"/> X : Include	1 : ø40 2 : ø60 3 : ø100 4 : ø120 5 : ø150 6 : ø180 7 : ø250 9 : Special	2 : 200/220V 3 : 380V 4 : 440V 5 : 480V	J : Japanese E : English C : Chinese	<input checked="" type="checkbox"/> : 0~80°C H : 0~150°C U : 0~180°C	<input type="checkbox"/> : Not include N : Rust proof G : Surface polish	<input checked="" type="checkbox"/> : Standard Attached : Special * Layout drawing No. comes

Example : MG **A** **0020** **S** - **2** **2** **J** **H** **N**

Specifications

Model		MG□	
Clamping force (per one magnet core)	Thin-model	32×100mm	3.43kN
		50×50mm	2.45kN
		100×100mm	7.84kN
	Standard	70×70mm	7.35kN
		75×75mm	7.84kN
		115×115mm	15.68kN
Operating temperature		°C	0 ~ 80 (0 ~ 150 or 0 ~ 180 for heat proof type)
Magnetic flux height		mm	20 (mold plate material SS400)
Power supply voltage			AC200 / 220V ±5% (50/60Hz)
Applicable machine			For general injection molding machine
Plate mounting method			Bolting with the tap holes of machine platens
Displacement detection system (movable side & fixed side)			Include

- Additional tap holes to be required in the middle of machine platens.
- Operating temperature indicates the temperature on the surface of the clamp plate.

Accessories

- Locate ring (fixed side only)
- Mold fall protection block (movable side only)
- Operation panel model ESMD
- Control box model EMGD
- Control cables
- Interlock

Option

- Non standard voltage arrangement (50/60Hz)
 - AC380V ±5%
 - AC440V ±5%
 - AC480V ±5%
- High temperature
 - 0 ~ 150°C
 - 0 ~ 180°C
- Rust proof, polish arrangement for clamp plate
- Mold fall protection hook model MGR (movable side & fixed side)
- Additional magnet core
- Special core layout
- Horizontal loading arrangement
- DD mag clamp

Mag clamp specifications

Clamp plate								Mold fall protection hook					
Model	Clamping force of IMM (kN)	Clamping force *1 (kN)		Thickness (mm)	Weight (kg)		Voltage capacity *3 (kVA)	Min. mold size *4 (mm)	Model	Eye bolt on mold		Max. allowable load per hook (ton)	
		Movable side	Fixed side		Movable side	Fixed side				Size *5	Q'ty		
MGA0020S	200	22	22	35 (Thin-model) *2	32	32	15	130	MGR061	M12 ~ M24	2 *6	0.4	
MGA0030S	300 ~ 350	34	29		39	38		200					
MGA0050S	400 ~ 550	41	39		50	50		30					215
MGA0055S	400 ~ 550	41	39		49	48	225						
MGA0060S	600	41	39		45	44	240						
MGA0080S	750 ~ 800	55	69		61	60	40	290					MGR062
MGA0100S	1000 ~ 1100	78	78		83	82		300					
MGA0130S	1200 ~ 1300	110	103		96	95		330					MGR063
MGA0150S	1400 ~ 1500	123	118		123	120		370					
MGA0050	500 ~ 600	59	59		50	72	69	15					240
MGA0080	750 ~ 850	88	88	91		88	260						
MGA0100	1000 ~ 1200	118	88	122		119	30		280				
MGA0130	1300	118	118	140		138		280					
MGA0140	1300	133	118	138		138		310					
MGA0150	1400 ~ 1600	147	147	177		179	40	310	MGR063				
MGA0160	1400 ~ 1600	192	147	189		190		370					
MGA0180	1700 ~ 1800	176	176	201		197		330					
MGA0190	1700 ~ 1800	192	176	201		201		370					
MGA0230	2200 ~ 2300	221	206	236		238	40	400	MGR081	M16 ~ M30	4 *6	1.7	
MGA0250	2500 ~ 2600	251	235	269	270	420							
MGA0280	2800 ~ 3000	251	265	292	294	440							
MGA0350	3500 ~ 3600	310	314	350	361	475							
MGA0450	4500	398	408	473	478	565							
MGA0550	5500	427	439	535	540	570	45	MGR101	M20 ~ M42	4 *6	4.8		
MGA0650	6500	545	533	654	669	635							
MGA0850	8500	633	690	823	839	710							
MGA1050	10000 ~ 10500	809	815	1036	1049	790							
MGA1300	13000	927	1004	1155	1177	855	80	MGR131	M24 ~ M48	4 *6	8.04		
MGA1600	14000 ~ 16000	1176	1160	1434	1428	970							
MGA2000	18000 ~ 20000	1264	1317	1964	1958	1000							
MGA2500	22000 ~ 25000	1558	1505	1964	1958	100	1065	MGR161	M36 ~ M64	4 *6	12.06		
MGA3000	28000 ~ 30000	1793	1788	2262	2260							1140	

*1 : Total clamping force per clamp plate with the condition that the mold plate is contacting all the magnet cores.

*2 : Suitable for the small size of injection molding machine with small daylight.

*3 : The value indicates kVA at 200/220V AC. Contact Pascal for details in case the voltage is 380, 440 and 480V AC.

*4 : It is reference value in case of the production under the general condition. It is not the value guaranteed.

*5 : The size of eye bolt on the mold is determined according to the size of the hook. Make sure that allowable load of eye bolt is greater than the mold weight.

*6 : The number of eye bolts on mold side indicates one per mold (movable side & fixed side).