

Magnetic Catches for Aluminum Extrusions

Side-Wiring Magnetic Catches for Panel Fitting / Thin Magnetic Catches for Aluminum Extrusions

Magnetic Catches for Aluminum Extrusions

* When requesting magnets only, refer to HMEN-T on P.1212.

Parts	Material	Surface Treatment
Magnetic Catch Housing	SUS304	Dark Brown Paint
Magnetic Catch Magnet	Ferrite	-

RoHS 10

HMEN-T Magnetic Catch

Catch Plate

MG5-5 Plate **MG6-5 Plate** **MG8-5 Plate** **MG6-6 Plate** **MG8-6 Plate**

Part Number	Component										Unit Price	Volume Discount Rate
	Magnet Side					Door Side (Extrusion)						
Type	No.	Magnet	Retaining Force (N/kg)	Mounting Plate	For Magnet Mounting	Nut	Quantity	For Extrusion Fitting	Nut	Quantity	1 ~ 4 pc(s)	5-50
HMEN	5-5	HMEN-T	29.4(3)	MG5-5	SCB5-25	HNTT5-5	2	M3-6	HNTT5-3	1		
	6-5			MG6-5	SCB5-22	HNTT6-5	2	M3-6	HNTT6-3	1		
	8-5			MG8-5	SCB5-15	HNTT8-5	2	M3-8	HNTT8-3	1		
	6-6			MG6-6	SCB5-10	HNTT6-6	2	M3-8	HNTT6-3	1		
	8-6			MG8-6	SCB5-12	HNTT8-6	2	M3-10	HNTT8-3	1		

Magnetic Catches for Aluminum Extrusions

* When requesting magnets only, refer to MGCE on P.1211.

Parts	Material	Surface Treatment
Magnetic Catch Housing	Aluminum Alloy	Anodize
Magnetic Catch Magnet	Ferrite	-
Magnetic Catch Attraction Board	SPCC	Nickel Plating

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ME5-5 Plate **ME6-5 Plate** **ME6-6 Plate** **MGCE1**

Part Number	Component										Unit Price	Volume Discount Rate	
	Extrusion Side					Door Side							
Type	No.	Magnet	Mounting Plate	Mounting Screw	Nut	Quantity	Mounting Screw	Quantity	Mounting Screw	Nut	Quantity	1 - 9 pc(s)	10-200
HMGCE	5-5	MGCE1	ME5-5	SCB4-6	HNTT5-4	2	SCB3-6	2	HFBCM3-6	HNTT5-3	2		
	6-5		ME6-5	SCB4-8	HNTT6-4	2	SCB3-6	2	HFBCM3-6	HNTT6-3	2		
	6-6		ME6-6	SCB4-8	HNTT6-4	2	SCB3-6	2	HFBCM3-8	HNTT6-3	2		

Ordering Example
 Part Number
 HMGCE-6
 HMGCE5-5

Example

5-5 Mounting Example

6-5 Mounting Example

8-5 Mounting Example

6-6 Mounting Example

8-6 Mounting Example

8-8 Mounting Example

Dimensions in () are for 45 square extrusions.

Example

5-5 Mounting Example

6-5 Mounting Example

6-6 Mounting Example

Side-Wiring Magnetic Catches for Panel Fitting (Photo: HMGAR)

When the magnet housing and the catch plate are attracted, White-Red combination conducts. When the magnet housing and the catch plate are separated, White-Black combination conducts.

Max. Contact Capacity
 AC250V3A
 DC125V0.4A

Part Name	Material	Surface Treatment
Caster	Polyethylene	-
Plate	SPCC	Trivalent Chromate

RoHS 10

Magnet Side	Mounting Plate for M5	Mounting Plate for M6, M8	Door Side Plate
HMGAR (Wiring on the Right) (Drawing: HMGAL) HMGAL (Wiring on the Left)	Technical drawing of M5 plate with dimensions: 24.5, 2, 19, 3.5, 5.2, 76, 80, 2-M3, 2-06, 10, 16, 150, 01.6, 4-C4.	Technical drawing of M6, M8 plate with dimensions: 10, 4-C4, 19, 7, 5.2, 76, 80, 2-M3, 2-Slotted Hole, 6.6, 7.1, 11, 25, 2-Slotted Hole.	Technical drawing of door side plate with dimensions: 2-M3 Countersink, 38, 22, 15.
	Plate Thickness 3.2mm	Plate Thickness 3.2mm	Plate Thickness 1.6mm

Part Number	Type	No.	Retaining Force N (kgf)	Mounting Plate	Magnet Side				Door Side		Unit Price	Volume Discount Rate			
					For Magnet Mounting	For Extrusion Fitting		Door Side	Mounting						
					Mounting Screw	Quantity	Screw	Quantity	Pre-Assembly Insertion Nut	Quantity	Plate	Screw	Nut	1 ~ 4 pc(s)	5-100
HMGAR	(Wiring on the Right)	5	9.8	S5	M3x6	2	SCB5-8	2	HNTT5-5	2	S Plate	M3x8	2		
HMGAL	(Wiring on the Left)	6	(1)	S6			SCB6-10	2	HNTT6-6			M3x10			
		8		S8			SCB6-15		HNTT8-6						

Thin Magnetic Catches for Aluminum Extrusions

* When requesting magnets only, refer to MGCEBU on P.1213.

Parts	Material	Surface Treatment
Magnetic Catch Housing	ABS Resin	-
Magnetic Catch Magnet	Ferrite	-
Magnetic Catch Attraction Board	SPCC	Chrome Plating

RoHS 10

MB5-5 **MB6-6** **MGCEBU**

Part Number	Component										Unit Price	Volume Discount Rate										
	Extrusion Side					Door Side																
Type	No.	Magnet	L	P	A	t	F	B	P ₁	Mounting Plate	Mounting Screw	Quantity	Nut	Quantity	Mounting Screw	Quantity	Mounting Screw	Quantity	Nut	Quantity	1 - 9 pc(s)	10-200
HMBCE	5-5	MGCEBU49	49	34	17	6.5	16.5	24	13	MB5-5	SCB4-6	2	HNTT5-4	2	SCB3-6	4	HFBCM3-6	2	HNTT5-3	2		
	6-6	MGCEBU59	59	44	23.5	6.7	23	34	20	MB6-6	SCB4-8	2	HNTT6-4	2	SCB3-6	4	HFBCM3-8	2	HNTT6-3	2		

Ordering Example
 Part Number
 HMGAR5
 HMBCE6-6

Example

<Existing Product>

<New Product>

Wiring comes out from the side, which allows easy fitting into the extrusion slot.
 Wiring does not protrude from the extrusion since bending is not necessary.

Example

6-6 Mounting Example

5-5 Mounting Example