

Welded / Long Hinges

Stainless Steel / Steel / for Heavy Loads

Welded Hinges - Stainless Steel

HHSY

Material: 304 Stainless Steel
Surface Treatment: Buffed Surface
Mirror Polishing for HHSY40 only

RoHS10

Part Number	Type	L	W	C	C ₁	T	*Allowable Load (kg)	Weight (g)
HHSY	40		35	3	6.3	1.5	6	25
	50		30	3	6.4	1.5	8	30
	65		50	4	8.5	2	13	66
	90		60	6	12.7	3	15	76
	100		60	6	12.7	3	25	190
							30	200

*The allowable load is the value when two pieces are used.

Welded Steel Hinges

HHSYT

Material: Low Carbon Steel
Surface Treatment: Trivalent Chromate

RoHS10

Part Number	Type	L	W	*Allowable Load (kg)	Divisions	Weight (g)
HHSYT	50		50	25	3	105
	90		60	40	5	180
	100		80	45	5	245

*The allowable load is the value when two pieces are used.

Welded Hinges for Heavy Loads

HHSYZ

Material: 304 Stainless Steel
Surface Treatment: Brushed Finish

RoHS10

Part Number	Type	L	W	(D)	t	Shape No.	* Allowable Load (Kg)	Weight (g)
HHSYZ	50		50	12	3	A	20	88
	60		64	12	3	A	25	120
	75		70	12	3	A	30	164
	100		100	20	4	B	60	512
	125		100	20	4	B	70	628
	150		120	20	4	B	90	834

*The allowable load is the value when two pieces are used.

Long Stainless Steel Hinges

HHSLV

Long hinges can be cut for use. Swage the shaft to prevent it from slipping, as required.

Material: 304 Stainless Steel

RoHS10

Part Number	Type	L	Mass (g)
HHSLV	300		165
	350		190
	450		250
	600		335
	750		410
	1000		580

Part Number Example: HHSY50, HHSYT90, HHSYZ100, HHSLV300

Magnetic Catches

Magnetic Catches

MGCE1S

MGCE1

MGCE2

No.	Part Name	Material	Surface Treatment
(1)	Housing	Aluminum Alloy	Anodizing
(2)	Magnet	Ferrite	—
(3)	Catch Plate	Low Carbon Steel	*Nickel Plating

* Trivalent Chromate for MGCE1 only

RoHS10

Part Number	Retention Force (kgf)	Mass (g)
1S	0.5	7.5
1	5.5	36.7
2	9	72

Part Number Example: MGCE2

Magnetic Catches

MGCB1

MGCB2

No.	Part Name	Material	Surface Treatment
(1)	Housing	BSP	Nickel Plating
(2)	Yokes	Low Carbon Steel	Nickel Plating
(3)	Magnet	Ferrite	—
(4)	Base	Aluminum Alloy	Anodizing
(5)	Catch Plate	Low Carbon Steel	Nickel Plating

RoHS10

Part Number	Retention Force (kgf)	Mass (g)
1	7	32
2	10	63

Part Number Example: MGCB1

Magnetic Catches

MGCP

Plate Thickness t	Mounting Hole Dimensions					
	MGCP1		MGCP2 / MGCP3H		MGCP3	
	A	B	A	B	A	B
0.5	22.5	8.3	—	—	—	—
0.8	—	—	34.1	—	55.0	—
1.0	—	—	34.1	—	55.0	—
1.2	—	—	34.5	8.2	55.5	8.2
1.6	—	—	35.0	—	56.0	—
2.0	—	—	36.5	—	56.5	—

No.	Part Name	Material	Surface Treatment
(1)	Housing	ABS Resin	—
(2)	Base	Low Carbon Steel	Trivalent Chromate

MGCP1/ 2/ 3: Ferrite Magnet
MGCP 3H: Neodymium Magnet

Part Number	Type	No.	L ₁	L ₂	L ₃	B ₁	B ₂	H ₁	H ₂	H ₃	Retention Force (kgf)	Mass (g)
MGCP	1		24.2	22.4	15	8.2	9.6	12.3	10.9	0.9	1.3	5
	2		40	33.9	21.6	8	10	13.5	11	1.2	2.2	9
	3		64	54.5	43	8	10	14	11.5	1.5	4.5	20

MGCP3H is a compact type of MGCP3 with the same retaining force.

Part Number Example: MGCP2