

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	20	4	B	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

Material: 304 Stainless Steel

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

RoHS10

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

Part Number Example

Part Number

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)
MGCE		
1S	0.5	7.5
1	5.5	36.7
2	9	72

Part Number Example

Part Number

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)
MGCB		
1	7	32
2	10	63

Part Number Example

Part Number

MGCB1

Magnetic Catches

MGCP

Plate Thickness	Mounting Hole Dimensions					
	MGCP1		MGCP2 / MGCP3H		MGCP3	
t	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	1	24.2	22.4	15	8.2	9.6	12.3	10.9	0.9	1.3	5
	2	2	40	33.9	21.6	8	10	13.5	11	1.2	2.2	9
	3	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

Part Number

MGCP2