

Detachable Hinges

Aluminum / for Heavy Loads

Handles / Hinges / Door Parts

Detachable Hinges – Aluminum

RoHS 10

HHPNL
For Left-hand Use

HHPNR
For Right-hand Use

(The drawing is for left hand use)

When the hinges are mounted onto an object such as a panel, hinge nuts are recommended as shown on P.3255

Material: 6063-T5 Aluminum Alloy
Bushings: Polyacetal
Surface Treatment: Anodize

Part Number	*Allowable Load	Mass (g)	L	W	K	P	J	S	N		E	R	App. Screws/Nuts for Aluminum Extrusion			
									Through	Countersunk			Screws	Qty	Nuts	Qty
HHPNL For Left-hand Use	5	22	36	11	25	7.5	21	5.5	11	5	5	Flathead Screw 5-8	4	HNTT5-5	4	
HHPNR For Right-hand Use	6	33	48	8.5	30	8	32	6.5	13	5.5	5.5	Flathead Screw 6-10	4	HNTT6-6	4	
	8	48	63	62	13	37	10	42				Flathead Screw 6-12		HNTT8-6		

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

Part Number Alterations

Part Number - (SET / SST)
SHHPSZ6 - SST

Alt.	Code	Spec.	Hinge	No.
	SET	Applicable screws and nuts come in a set. When SST is specified, screws and nuts will be in stainless steel.	SHPSNA	5
	SST	() When - SET is specified, the material of the Flat head Screws is Black Oxide 4137 Alloy Steel	SHHPSZ	6
				8
				8-4
			HHPNL	5
			HHPNR	6
				8

Detachable Hinges – Aluminum

RoHS 10

Detachable Hinges for Different Extrusion Sizes

(For Left-hand Use)

When the hinges are mounted onto an object such as a panel, hinge nuts are recommended as shown on P.3255

Detachable Hinges for Different Extrusion Sizes

(For Left-hand Use)

Part Number	Type	No.	*Allowable Load	Kg	N	Mass (g)	W	J	S	D	d	h	Applicable Screws/Nuts for Aluminum Extrusion			
													Screws	Qty	Nuts	Qty
HHPNLK		5-25	10	98	86	41	7.5	26	9.5	5.5	4.1		CBS5-8		HNTT5-5	4
HHPNLK-B		6			103	55	12	31							HNTT6-6	
HHPNLK-S		8	15	147	120	73	16	41	11	6.5	4.4		CBS6-12	4 Pcs.	HNTT8-6	4 Pcs.

Part Number	Type	No.	*Allowable Load	Kg	N	Mass (g)	W	J ₁	F ₁	D	d	h	J ₂	F ₂	Applicable Screws/Nuts for Aluminum Extrusion			
															Screws	Qty	Nuts	Qty
HHPNDLK		6-5	10	98	95	48	12	15.5		9.5	5.5	4.1	7.5	13	CBS5-8, CBS6-12	2 pcs. each	HNTT5-5, HNTT6-6	2 pcs. each
HHPNDRK		8-5			103	57	16	20.5					7.5	13	CBS5-8, CBS6-15		HNTT5-5, HNTT8-6	
		8-6	15	147	111	64	16	20.5	11	6.5	4.4		12	15.5	CBS6-12	4 pcs.	HNTT6-6, HNTT8-6	
		8-45			116	69	18.5	23					12	15.5				

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

Detachable Hinges for Heavy Loads

RoHS 10

HNZL
For Left-hand Use

HNZR
For Right-hand Use

(The drawing is for left hand use)

	Material	Surface Treatment
Hinge Plates	316 Stainless Steel	Buffed Surface
Shaft	—	—
Bushing	Polyacetal	—

Part Number	Type	L	Shape No.	W	W ₁	L ₁	T	R	T	D	D	*Allowable Load (N)	Weight (g)
HNZL		50	A	50	35	20	14	13.5	5	8.6	4.6	350	120
		65		65	40	35				9.6	5.6	450	185
HNZR		75		75	50	40	16	15.5	6	10.6	6.6	650	270
		100	B	100	60	30						650	450

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

Part Number Example

Part Number
HHPNR5
HHPNLK6-5
HHPNDRK8-5
HNZL100

Detachable Hinges

Stepped / Vertical / Welded / Heavy Loads Welded

Stepped Detachable Hinges

RoHS 10

(Left-hand Type)

HHSPDL
Left-Hand Type

HHSPDR
Right-Hand Type

(The drawing is for left-hand use.)

Material: 304 Stainless Steel
Surface Treatment: Buffed Surface

① The Right Door Type has a lid on the right side.

Vertical Detachable Hinges

RoHS 10

HHSV

Material: 304 Stainless Steel
Surface Treatment: Gloss Tumble Polished

Welded Detachable Hinges

RoHS 10

HHSMZL
For Left-hand Use

HHSMZR
For Right-hand Use

(For Left-hand Use)

Material: Main Body: Cold Rolled Steel
Shaft: Free-cutting Steel
Surface Treatment: Trivalent Chromate

Heavy Loads Welded Detachable Hinges

RoHS 10

Type	Material	Surface Treatment
HHSMZL HHSMZR	Low Carbon Steel	Trivalent Chromate
HHSMYL HHSMYR	304 Stainless Steel	Mirror Polishing

(For Left-hand Use)

Part Number		T ₁	* Allowable Load (Kg)	Weight (g)
Type	T	10	7	45
HHSPDL	3			
HHSPDR	5	12		46

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

Application Example

* Example is the view from the top.
* The above is T = 5.

Part Number	Type	L	N		* Allowable Load (Kg)	Mass (g)
			Through	Countersunk		
HHSV	35	8	3.2	6.2	2	13
	51	11			4	30
	60	13			6	45
	80	14.5	4.2	8.2	10	95

L	W	P	D	H	t	R	R ₁
35	8	27	3	6	2	9	8
51	11	40	4	8	2.5	15	14.4
60	13	48	5	9.5	3	18	18
80	14.5	68	6	11.5	4.5	27	27

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

Part Number Example

Part Number
HHSPDL3
HHSV1

Part Number		L	W	T	(R)	* Allowable Load (Kg)	Weight (g)
Type	L	32	1.6	7.5	7	30	
HHSMZL For Left-hand Use	50						
HHSMZR For Right-hand Use	64	36	1.6	7.5	10	45	
	75	38	2	8.5	15	65	

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

Part Number	Type	L	(W)	T	(R)	D	Allowable Load (Kg)	Weight (g)
HHSMZL		50	40	2.5	10.5	5	15	60
HHSMZR For Left-hand Use		65	50	2.5	10.5	5	20	89
HHSMZR For Right-hand Use		75	70	3	12.5	6	30	165
		100	72	4	16	8	50	347
HHSMYL		50	40	2.6	10.5	5	15	62
HHSMYL For Left-hand Use		65	50	2.6	10.5	5	20	95
HHSMYR For Right-hand Use		75	70	3.2	12	6	30	180
		100	72	4	16	8	50	335

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

* The material for L = 75 and 100 of HHSMZL and HHSMZR is SPHC.

Part Number Example

Part Number
HHSMZL50
HHSMYR75

Handles / Hinges / Door Parts