

Aluminum Long Hinges

CAD Date Folder Name: 41_Accessories



Torque Hinges

-Torque Fixed Type / Torque Adjustable Type-

CAD Date Folder Name: 41_Accessories

Aluminum Long Hinges RoHS **HHPV**
(For Right and Left Hand Use)

Material: A6063S-T5
Bushing: Polyacetal
Surface Treatment: Anodize*

*No anodizing on ends of L dimension specified part.

Part Number	Hinge Frame L	Allowable Load	W	L2	P	K1	K2	J1	J2	F1	F2	V1	V2	N		T	Y	Screws / Nuts (L Dimensions Less than 500mm)				Unit Price/m	Flag Hinges / 2 pcs. Countersink at 3 places		
														Through	Countersunk			Screws	Quantity	Nuts	Quantity				
HHPV	6-5	100~1000	10	98	55	40	25	7.5	8	16	21	10.5	15.5	5.5	11	3.5	43.5	Flathead Screw 6-10	4	HNTT6-6	4	956	706		
	6-6				62															Flathead Screw 5-8	3			HNTT5-5	3
	8-6				71	50	30	8	10	14	21	26	15.5	20.5	6.5	13	4.5	38.5	Flathead Screw 6-15	4	HNTT8-6			4	
	8-6																			Flathead Screw 6-10	3			HNTT6-6	3
	845-6																				Flathead Screw 6-15			4	HNTT8-6

Order Example Part Number - L
HHPV6-5 - 200

Delivery 7 Days

Price Unit Price/m x Length of Hinge Frame + Aluminum Flag Hinges 2 pcs. + Countersink at 3 places = Total Price
ex: HHPV6-5-200
956x0.2m+706=898 Baht
(Round up to the Baht.)

Alterations Part Number - L - (SET / SST)
HHPV8-6 - 250 - SET

Example

Example of Left-Hand Use

Single Joint Connection P635

Alteration	Code	Spec.	Hinges	No.	Price Adder	
					SET	SST
Applicable Screw Nut Set	SET	Applicable screws and nuts come in a set.	HHPV	6-5	148	164
	SST			6-6	153	169
	Stainless Steel			8-6	167	173
				845-6		

Torque Fixed Type RoHS **HHPT**

Cautions on Use

- Use 2 pcs. per door (flap)
- Place the axes of 2 Hinges on a common line.
- Do not use in places where oil or grease contacts, or in the outdoors.
- Do not use for locations requiring frequent open/close.
- For its product properties, the Hinges are not designed for vertical use. Therefore, for allowable loads and the torque values at vertical use, refer to those of the products actually used.

Operating Temp. Range: -10°C~50°C
Operating Humidity Range: 90% RH or less

Name of Parts	Material
(1) Wing	SUS304
(2) Resin Tube	Polyacetal
(3) Shaft	SUS303
(4) Plate	SUS304
(5) Swaging Pin	SUSXM7

For Torque Hinges selection, refer to the Formula of Selection Guide on P.1063

Part Number	* Torque Rating	Mass (g)	L	W	P	J	S	T	E	R	Extrusions (Series)	Screws / Nuts			Unit Price	Volume Discount Rate			
												Screws	Quantity	Nuts					
HHPT	3	0.35	3.4	15	32	36	18	7.5	21	1.2	4.25	7.5	HFS5	Socket Head Cap Screw 4-6	4	HNTT5-4	4	223	212
	7	0.7	6.9	28	40	48	26	8	32	1.2	4.75	8.5	HFS6	Socket Head Cap Screw 4-10	4	HNTT6-4	4	258	244
	15	1.5	14.7	64	50	48	36	8	32	2	6.5	12						367	348

* The Torque Rating may have tolerance ranges about +40%~-20%.
* The torque value of 1 pc. of Hinge is shown as the Torque Ratings.

Order Example Part Number - (SET)
HHPT15 - SET

Delivery 5 Days P87

Alterations Part Number - (SET)
HHPT7 - SET

Alteration	Code	Spec.	Hinges	No.	Price Adder
Applicable Screw Nut Set	SET	Applicable screws and nuts come in a set. *Stainless steel screws and nuts are included.	HHPT	3	98
				7	107
				15	110

Example

Reference: Torque variations Ambient Temp. (20±15°C), Operating Humidity Range: 90%RH or Low

Open-Close Frequencies → 20,000 times

Data above are not guaranteed values but reference values of HHPT15. Open-Close intervals: 5 times /min. (Single open-close operation=0°↔160°)
* Considering torque deteriorations caused by aging, temperature and humidity variation, the torque value is set higher than the rated torque value at shipping.

Torque Adjustable Type RoHS **HHPTF HHPTFB**

For Torque Hinges selection, refer to the Formula of Selection Guide on P.1063

Name of Parts	Material	Surface Treatment
Bushings	Polyacetal (White)	-
Socket Head Cap Screw	SUSXM7	-

Part Number	* Allowable Load	** Torque Rating	Mass (g)	S	P1	P2	J	Screws / Nuts			Clear Anodize		Black Anodize			
								Screws	Quantity	Nuts	Quantity	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	
HHPTF HHPTFB (Black Anodize)	10	0~4.9	0~50	54	32	16	16	13.5	Socket Head Cap Screw 6-10	4	HNTT6-6	4	496	471	537	510
					37	16	21	13.5	Socket Head Cap Screw 6-10	2	HNTT6-6	2				
					42	21	21	8.5	Socket Head Cap Screw 6-12	4	HNTT8-6	4				

* The allowable load is the value when 2 pieces are used.
** The torque value of 1 pc. of Hinge is shown as the Torque Rating.

Order Example Part Number - (SET / SST)
HHPTF8 - SET

Delivery 5 Days P87

Alterations Part Number - (SET / SST)
HHPTF6 - SET

Alterations	Code	Spec.	Hinges	No.	Price Adder	
Applicable Screw Nut Set	SET SST	Applicable screws and nuts come in a set. When SST is specified, stainless steel screw and nut are included. *When -SET is specified, the product is not RoHS compliant. When -SST is specified, the material of the Screws is SCMG5 and their surface treatment is STXM Bright Chrome Plating.	HHPTF HHPTFB	6	82	107
				8-6	88	114
				8	102	119

Example

The torque value is adjustable using a Hexagonal Wrench.
*Swaging by 1.5Nm or more using a hexagonal wrench may break the Hinges.