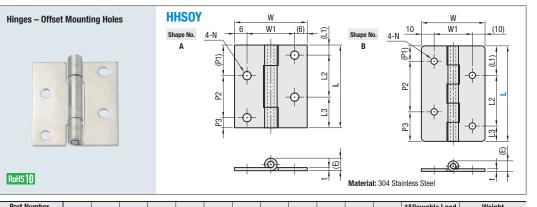
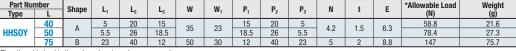
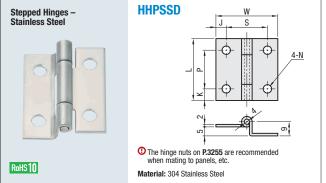
Hinges

with Offset Mounting Holes / Stepped Stainless Steel / Spring-Loaded



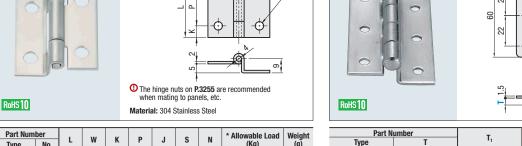


* The allowable load is the value when two pieces are used.



Part Number				v	В			N.	* Allowable Load	Weight	
Туре	No.		W	K	P	J	S	N	(Kg)	(g)	
HHPSSD	5	41	36	8	25	7.5	21	5.5	4.5	32	
	6	48	48	9	30	8	32	6.5	6	46	

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



Part I	lumber	-	* Allowable Load	Weight	
Type	T	11	(Kg)	(g)	
	1.2	8.2		00	
HILOD	2.3	9.3	-	38	
HHSD	3.2	10	/	40	
	5	12		42	

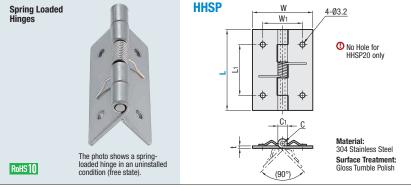
HHSD

___24___

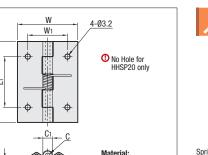
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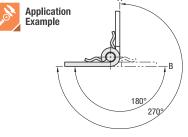
*The allowable load above is the value when two hinges are used.

Stepped Hinges -Stainless Steel



Part Number		l			_	_		*Spring Load	Weight	
Туре	L	W	W ₁	L ₁	C	C ₁	t	(kgf)	(g)	
HHSP	20	14	_	_	1	(2.2)	0.5	0.38	11.5	
	25	32	20	14	3	5.8	1.2	0.4	10	
	38	32	20	26	3	6.5	1.5	1	25	
	51	38	25	32	3	6.5	1.5	0.68	35	





Application

Hinge with Staggered Holes

The heads of the screws

do not contact. Other Hinges

304 Stainless Steel

Buffed Surface

Surface

Spring load is a value at (A) with the hinge plates folded at 270° as shown above.

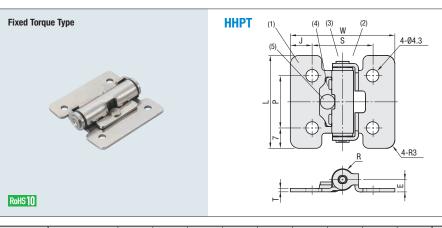
U HHSP20 (only) measures a value at (B) with the vanes at 180°. O Do not open the HHSP20 hinge plates beyond 180° (B). Small wire diameter spring may cause problems.

Part Number	
HHSOY40	
HHPSSD6	
HHSD3.2	
HHSP38	

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

Torque Hinges

Fixed Torque / Adjustable Torque Type



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

Caution

- Use two hinges
- Align the axes of the two hinges.
- Do not use the hinges outdoors or in any places where oil or grease adheres to the hinges.
- Do not use the hinges in any places requiring continuous open-
- Vertical use is not assumed given product characteristics.
 For vertical use, adjust allowable load and torque value to the actual operating conditions.

Part Name	Material			
(1) Vane	304 Stainless Steel			
(2) Resin Barrel	Polyacetal			
(3) Shaft	303 Stainless Steel			
(4) Plate	304 Stainless Steel			
(5) Swage Pin	JIS SUSXM7 Stainless Steel			

Part Nu	ımber	Rated	Torque*	Mass		14/	D.			т		D	Applicable Screws/Nuts for Aluminum Extrusion			
Type	No.	N m	kgf / cm	(g)	-	VV	г	J	3	'	-	n	Screw	Quantity	Nut	Quantity
	3	0.35	3.4	15	32	36	18	7.5	21	1.2	4.25	7.5	Hex Socket Head Cap Screw 4-6	4 HNTT5-4	HNTT5-4	
ННРТ	7	0.7	6.9	28	40	48	26	8	32	1.2	4.75	8.5	Hay Cooket Hood Con Corous 4 10		LINITTO 4	4
	15	1.5	14.7	64	50	48	36	8	32	2	6.5	12	Hex Socket Head Cap Screw 4-10		HN116-4	

^{*} Rated torque has a margin of error between +40% and -20%. * Rated torque value is for a single hinge.

How to Select a Torque Hinge

Basically, the lid is operated as shown on right. Calculate necessary torque according to the following formula before selecting a torque hinge that satisfies the specifications. (Assume that the lid's center of gravity lies in the middle.)

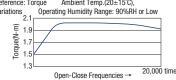
Formula

Max. Torque T = L / 2 x m (Weight: kg) x 9.8 (Newton: N) (Example) When L = 0.3 m and m = 2kg,

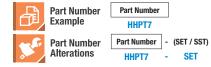
Max. Torque $T = 0.3 / 2 \times 2 \times 9.8 = 2.94 \text{ N m}.$

→ Select two pieces of HHPT15

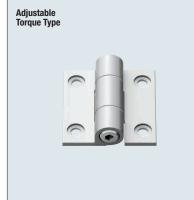


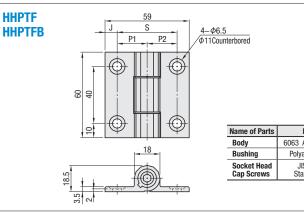


Data above are not guaranteed values but reference values of HHPT Open-Close intervals: 5 times /min. (Single open-close operation=0° \$\iff 60°)\$
* Considering torque deteriorations caused by aging, temperature and humidity variation, the torque value is set higher than the rated torque value at shipping.



Alteration	Code	Spec.	Hinge	No.
A		Applicable screws and nuts come		3
Applicable Screw & Nut Set	SET	in a set. O Stainless steel	HHPT	7
Nut Set		screws and nuts are included.		15





Name of Parts	Material	Surface Treatment
Body	6063 Aluminum Alloy	Anodizing
Bushing	Polyacetal (White)	_
Socket Head Cap Screws	JIS SUSXM7 Stainless Steel	_

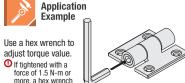
Part Numb	er	*Allowa	ble Load	** Rate	d Torque	Mass	c	ь	В		Applicable Screws/Nuts for Aluminum Extrusion			
Туре	No.	kg	N	N m	kgf / cm	(g)	3	r ₁	F ₂	J	Screws	Quantity	Nuts	Quantity
	6						32	16	16	13.5	Socket Head Cap Screw 6-10	4	HNTT6-6	4
HHPTF HHPTFB Black Anodize	0.0	10	10 98	0-4.9	0.50		07	16	21	13.5	Socket Head Cap Screw 6-10	2	HNTT6-6	2
	8-6	10		0-4.9	0–50	54	37	10	21		HNTT8-6	2		
	8						42	21	21	8.5	Socket Head Cap Screw 6-12	4	HNTT8-6	4

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

** Rated torque value is for a single hinge







45		Part Number	-	(SET / SS
	Alterations	HHPTF6	-	SET

	Alteration	Code	Spec.	Hinge	No.
		SET	Include applicable screws and nuts as a set. When SST is specified, screws and		6
	Applicable Screw & Nut Set	SST (Stainless Steel)	nuts will be in stainless steel. When - SET is specified, the product	HHPTF HHPTFB	8-6
			is not RoHS compliant. (When - SET is specified, the material of the screws is Bright Chromate SCM35.		8