

Aluminum Hinges Tapered Hole Type

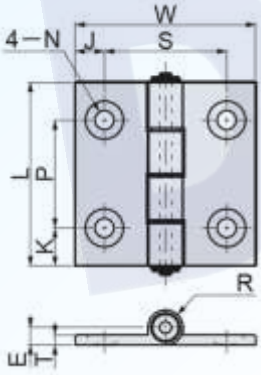


Product Overview

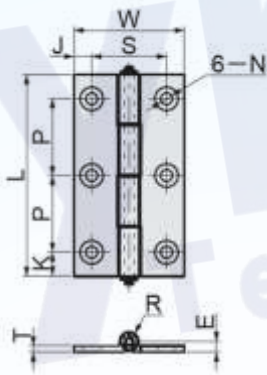
Economy series aluminum butterfly Flat Hinges with countersunk holes. The products in this series are aluminum butterfly Flat Hinges with countersunk holes, with surface clear anodizing and black anodizing available for selection based on the actual needs. Note: Among Flat Hinges with the same dimensions and specifications in this series, there are small aluminum ones with higher loads available for selection. For details, refer to the relevant products Dimensional Drawing



One Side 2-Hole



One Side 3-Hole



Material Table and Surface Treatment Overview:

Type	M Material	S Surface Treatment
DC-HHFL	A6063-T5	Clear Anodized
DC-HHBFL	Bushing: Polyacetal	Black Anodized

Specification Table

Part Number	Type	No.	Number Of Holes	*Allowable Load		Mass	L	W	K	P	J	S	N		T	E	R
				kg	N								Through Hole	Counterbore Red Hole			
DC-HHFL (Clear Anodized)	5		2	8	78	24	47	35.4	11	25	7.2	21	5.5	11		5.5	5
			3	15	147	50	66		8								
	6		2	8	78	30	47	48	8.5	30	8	32	6.5	13	3.5	6	5.5
			3	15	147	70	78		9								
	8		2	8	78	50	63	62	13	37	10	42	6.5	13	6	5.5	
			3	15	147	110	113		13.5								
	8-45		2	12	118	72	63	80	10	43	16.5	47	6.5	13	4.5		
	DC-HHBFL (Black Anodized)	5		2	8	78	24	47	35.4	11	25	7.2	21	5.5	11		5.5
3				15	147	50	66	8									
6			2	8	78	30	47	48	8.5	30	8	32	6.5	13	3.5	6	5.5
			3	15	147	70	78		9								
8			2	8	78	50	63	62	13	37	10	42	6.5	13	6	5.5	
			3	15	147	110	113		13.5								
8-45			2	12	118	72	63	80	10	43	16.5	47	6.5	13	4.5		

* The allowable load is the value when 2 pieces are used. Precautions To install the hinge on the panel, etc., it is recommended to choose the nut for the butterfly Flat Hinges.

For details, you can search TYPE: DHPNT or DHPFNT in the website to choose according to the size requirements.

Usage Method

According to the weight of the door body where the Flat Hinges is mounted, the load-carrying capacity of the hinge can be calculated. Determine the utilization direction first, and calculate according to the length and width of the door body

Utilization Method	Lengthwise Utilization		Lateral Utilization
	A=2XB	A≠2XB	
Allowable Load Calculation Formula	Allowable Load = W	Allowable Load = W(B/A)*2	Allowable Load = W

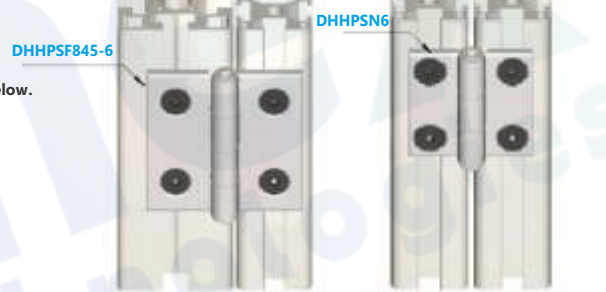
Example of Use

Depending on the profile to be fixed, the selectable Flat Hinges specifications can be determined by the allowable load weight. For details, refer to the following table for the applicable hinge model.

Flat Hinges common combinations of aluminum profiles can be confirmed and found from the table below.

Profiles With Side Length of 45
Profiles with Side Length of 30

Profiles With Side Length of 30
Profiles with Side Length of 30



Representative Dimensional Drawing	Type of Matching Profile	Suitable Profile	* Allowable Load		Product Model	Surface Treatment	Mounting Pitch S mm
			KG	N			
	Profile of the Same Size on Two Sides	Link 20/20 Profile	8	78	DC-HHFL5	Clear Anodized	21
			10	98	DC-HHBFL5	Black Anodized	
			20	196	DHHPNS5	Clear Anodized	
		Link 30/30 Profile	8	78	DHHPBSN5	Black Anodized	
			10	98	DC-HHDL5	Clear Anodized	
			20	196	DC-HHBDL5	Black Anodized	
	Profile with Different Sizes on Two Sides	Link 30/40 Profile	8	78	DC-HHFL6	Clear Anodized	32
			10	98	DC-HHBFL6	Black Anodized	
			20	196	DHHPNS6	Clear Anodized	
		Link 40/40 Profile	8	78	DHHPBSN6	Black Anodized	
			10	98	DC-HHDL6	Clear Anodized	
			20	196	DC-HHBDL6	Black Anodized	
Link 45/45 Profile	Link 45/45 Profile	8	78	DC-HHFL8	Clear Anodized	42	
		10	98	DC-HHBFL8	Black Anodized		
		20	196	DHHPNS8	Clear Anodized		
	Link 20/30 Profile	8	78	DHHPBSN8	Black Anodized		
		10	98	DC-HHDL8	Clear Anodized		
		20	196	DC-HHBDL8	Black Anodized		
Link 20/45 Profile	Link 20/45 Profile	12	118	DC-HHFL8-45	Clear Anodized	47	
		15	147	DC-HHBFL8-45	Black Anodized		
		30	294	DHHPNS8-45	Clear Anodized		
		Link 20/30 Profile	8	78	DHHPBSN8-45		Black Anodized
			10	98	DC-HHDL8-45		Clear Anodized
			20	196	DC-HHBDL8-45		Black Anodized
	Link 30/40 Profile	Link 20/30 Profile	8	78	C-HHFLS6-5	Clear Anodized	26.5
			10	98	HHPFS6-5		
			20	196	C-HHDL8-5		
		Link 30/40 Profile	8	78	C-HHFLS8-5		31.5
			10	98	HHPFS8-5		
			20	196	C-HHDL8-5		
Link 20/45 Profile	Link 20/45 Profile	8	78	C-HHFLS845-5	Clear Anodized	34	
		10	98	HHPFS845-5			
		20	196	C-HHDL845-5			
	Link 20/40 Profile	12	118	C-HHFLS8-6		37	
		15	147	HHPFS8-6			
		30	294	C-HHDL8-6			
Link 30/45 Profile	Link 30/45 Profile	12	118	C-HHFLS845-6	39		
		15	147	HHPFS845-6			
		30	294	C-HHDL845-6			

Basic Specifications

- Flat Hinge Type - Square Plate Type
- Operating Environment - Standard
- Mounting Screw Hole Type - Cone
- Body Material - A6063
- Mounting Method - Screw Mounting
- Main Body Type - Flag Hinge
- Additional Function - Not Provided

ORDERING GUIDE



DC-HHBFL5

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