

Thick Hinge Bases

U-Shaped / Standard / A Dimension Compact

Feature: This U-Shaped hinge is thicker and higher strength than standard products.

Thick Hinge Bases – U-Shaped / Standard / A Dimension Compact

RoHS10

Type				Material	Surface Treatment
Standard	With Oil Free Bushing	A Compact			
W Fixed HKNJB	W & H Configurable HGNJB	W Dimension Selectable HKNJMB	W & H Configurable HGNAJB	1045 Carbon Steel or Equivalent	Black Oxide
HKNJM	HGNJM	—	HGNAJS		Electroless Nickel Plating
—	—	—	—	304 Stainless Steel	—

For the comparison of Standard Type and A Dimension Compact Type, refer to the table below.

Part Number	Type	D _{HT}	T	W				H 1 mm Increment	Standard / With Oil Free Bushing			A Compact			K	S	d	C	
				Fixed	1 mm Increment	1 mm Increment	Selection		A	F	E	A	F	E					
Standard Type W Fixed HKNJB HKNJM	4	12	8	4-12	4-8	6 8 9	17-25	38	29	20	32	25	16	10	5	4.5	—	3	
				5-15	4-12	6 8 9 10	19-30	50	41	25	38	30	22	12				5	4
				6-18	5-12	6 8 9 10 12	21-30	50	41	32	38	30	22	12				5	5
W & H Configurable HGNJB HGNJM	8	19	10	8-24	6-18	8 9 10 12 15 20	25-35	65	52	38	50	40	30	14	10	5.5	5		
				22	27-35	6													
				25	25-35	6													
				27-35	6														
A Compact Type W & H Configurable HGNAJB HGNAJS	13	25	12	10-30	8-25	15 20 24 30	27-40	75	62	50	65	55	42	15	15	6.5	6		
																	7		
																	8		
																	9		
With Oil Free Bushing W Selectable HKNJMB	16	30	16	12-25	—	—	28-40	63	63	63	63	63	63	15	15	6.5	7		
																	8		
																	9		
																	11		
20	20	20-35	15-25	—	—	—	39-50	100	82	65	75	60	45	18	9	8			
25	30	—	—	—	—	—	39-50	100	82	65	75	60	45	18	9	11			

*Dimensions in () are for A Compact Type.

Part Number Example

Part Number - T - W - H

HKNJB6 - T19 - W25 - H30

HGNJM20 - T38 - W25 - H48

HGNAJB10 - T22 - W15 - H30

Part Number Alterations

Part Number - T - W - H - (WDC)

HKNJB6 - T22 - H35 - WDC

Comparison of A Dimensions

D _{HT}	T	Prong T-Shape Type			Notched T-Shape Type		
		Standard Type (P.3685)	A Dimension Compact	Reduction Ratio	Standard Type	A Dimension Compact	Reduction Ratio
4	12	25	22	-12%	38	32	-16%
5	16	32	25	-22%	50	38	-24%
6	19						
8	22	38	32	-16%	65	50	-23%
10	25						
12	25	50	38	-24%	75	65	-13%
13	25						
14	30						
15	30						
16	30	65	50	-23%	100	75	-25%
20	30						
25	38						

*A dimension (lateral direction) has been shortened as well as F dimension (mounting dimension)

For T-Shaped Type (2 pcs.)

D	W	Oil Free Bushing	
		d (I.D.)	L (Overall Length)
4	6,8	4	5
	9	4	4
5	6	5	8
	8-10	5	6
6	6	6	12
	8-10	6	10
8	12	6	8
	15	8	10
10	20	8	8
	15	10	15
12	20,24	10	12
	30	10	8
12	15	12	15
	20,24	12	12
30	12	8	

Alteration Code

Alteration Code Spec.

Changes the number of d holes from 2 to 4. The holes are drilled at T₁ position.

Ordering Code: WDC

T	T ₁
16	8
19	10
22	12
25	14
30	15
38	20

⊗ Not applicable to D4.
⊗ Not applicable to Oil Free Type.

Thick Hinge Bases

L-Shaped

Feature: Interference can be avoided by shifting the fulcrum position.

Thick Hinge Bases – L-Shaped

RoHS10

Type		Material	Surface Treatment
T-Shaped	U-Shaped		
HGLKB	HGLJB	1045 Carbon Steel or Equivalent	Black Oxide
HGLKM	HGLJM		Electroless Nickel Plating
—	HGLJS	304 Stainless Steel	—

Part Number	Type	D _{HT}	T	W 1 mm Increment	H 1 mm Increment	A	F	P	X	S	d ₂	d ₁	H ₁	C
T-Shaped HGLKB HGLKM	4	12	8	4-8	20-30	25	12	—	18.5	7.5	4.5	8	4.5	3
				5-10	21-31	28	20		22	5				
	6	16	10	6-12	25-35	28	12	—	22	9.5	5.5	9.5	5.5	4
				8-16		25-35	32		20					25.5
	8	19	12	8-16	25-35	38	25	—	28.5	9.5	5.5	9.5	5.5	5
						45	30		12					27.5
	10	22	14	10-20	30-40	45	30	—	26	9.5	5.5	9.5	5.5	6
						50	35		15					28.5
	12	25	16	12-30	30-40	50	35	—	31.5	9.5	5.5	9.5	5.5	7
						60	40		15					28.5
13	25	17	13-30	35-45	60	40	—	35	9.5	5.5	9.5	5.5	8	
								37.5					11.5	6.5
14	30	18	14-30	35-45	60	40	—	35	9.5	5.5	9.5	5.5	8	
								37.5					11.5	6.5
15	30	19	14-30	35-45	65	45	—	35	9.5	5.5	9.5	5.5	8	
								37.5					11.5	6.5
16	30	20	14-30	35-45	70	45	—	37.5	9.5	5.5	9.5	5.5	8	
								37.5					11.5	6.5
20	38	24	20-35	40-50	65	45	—	39	9.5	5.5	9.5	5.5	8	
								46					16	16
25	38	30	25-35	40-50	70	45	—	46	9.5	5.5	9.5	5.5	11	

⊗ T 38 is not available for HGLJS.

Part Number Example

Part Number - T - W - H

HGLKB10 - T19 - W15 - H35

HGLKM16 - T30 - W25 - H42

List of Diameter (D_{HT}), Thickness (T) & Thickness on One Side

D _{HT}	Hinge Base Standard (P.3687-3695)			Hinge Base Thick		
	T	Thickness on One Side (T-D _{HT} /2)	T	Thickness on One Side (T-D _{HT} /2)	T	Thickness on One Side (T-D _{HT} /2)
4	9	2.5	12	4	—	—
5	12	3.5	16	5.5	19	7
6	16	3	19	5	—	6.5
8	19	4	22	5.5	22	7
10	22	3	25	4.5	—	6
12	25	3.5	28	5	25	6.5
13	25	3	28	4.5	—	6
14	25	4	28	5.5	—	8
15	25	3.5	28	5	30	7.5
16	25	3	28	4.5	—	7
20	25	2.5	30	5	38	9
25	30	2.5	38	6.5	—	—

Features: The hole's thickness on one side is selectable based on applied working load.