

Hinge Bases -Installation Hole Center Type- -Notched Counterbore Hole / Bottom Mount Type-

Type		Material	Surface Treatment
Counterbored	Bottom Mount		
HBNTB	HBNUB	S45C	Black Oxide
HBNTM	HBNUM		Electroless Nickel Plating
HBNTS	HBNUS	SUS304	-

Counterbored Type

Bottom Mount Type

25 / (√6.3 / √1.6)

RoHS 10

When choosing W6 or less, W tolerance is +0.05~+0.2.

Part Number Type	DH7	W 1mm Increment	H 1mm Increment	A	P	B	C	S	d1	d	h
Counterbored Type HBNTB HBNTM HBNTS	4	4~12	12~20	16	8	4	3	5.5	6.5	3.5	3.5
	5										
	6	6~12	17~25	20	10	6	4	7.5	8	4.5	4.5
	8										
	10										
	12	10~20	22~35	28	14	12	5	9.5	9.5	5.5	5.5
	13										
14	12~22	26~40	32	16	14						

When W<d1 is specified, the knuckle joint shape is as the lower picture shown above.

Part Number Type	DH7	W 1mm Increment	H 1mm Increment	A	P	B	C	S	M
Bottom Mount Type HBNUB HBNUM HBNUS	4	4~12	15~20	16	10	4	3	10	M3
	5								
	6	6~12	20~35	20	12	6	4	12	M4
	8								
	10								
	12	10~20	30~45	28	14	12	5	14	M5
	13								
14	12~22		32	16	14				

Order Example

Part Number - W - H

HBNTB10 - W8 - H20

HBNUM12 - W12 - H35

Features: Compact in size, and small installation footprint.

-Comparison Table

D	New Product			HGCCB (P1464)			HGCTB (P1471)			
	Vertical	Horizontal	Installation Footprint	Vertical	Horizontal	Installation Footprint	Vertical	Horizontal	Installation Footprint	
4	16	16	256	12	25	300	28	28	784	-67%
5	16	16	256	12	25	300	32	32	1024	-75%
6	20	20	400	19	35	665	32	32	1024	-61%
8	20	20	400	19	32	608	38	38	1444	-72%
10	20	20	400	22	32	704	38	38	1444	-72%
12	28	28	784	22	38	836	45	45	2025	-61%
13	28	28	784	25	38	950	50	50	2500	-69%
14	32	32	1024	30	50	1500	50	50	2500	-59%

Thick Hinge Bases T-Shaped Type -Standard / A Dimension Compact-

Features: Hinge base is added with A dimension (lateral) more compact than conventional hinges

Type		Material	Surface Treatment
Standard	A Dimension Compact		
W Dimension Fixed	W, H Configurable	S45C	Black Oxide
HKNNB	HGNNB		Electroless Nickel Plating
-	HGNNM	SUS304	-
-	HKNAS		HGNAS

25 / (√6.3 / √1.6)

RoHS 10

For comparison of Standard Type and A Dimension Compact Type, refer to the comparison table on P1467

Part Number Type	DH7	T Selection	Standard		A Dimension Compact		H 1mm Increment	Standard		A Dimension Compact	S	d	C	
			Selectable	1mm Increment	Selectable	1mm Increment		A	F					A
Standard Type W Dimension Fixed HKNNB	4	12	3~8	5	3~6	16~25	25	17	22	15	5	4.5	3	
	5	19												18~30
	6	16	5~12	8	5~10	18~30	32	23	25	18	10	5.5	4	
	8	19												20~30
	10	22												26~35
	W, H Configurable HGNNB HGNNM	10	19	8~16	10	6~12	26~35	38	27	32	25	10	5.5	5
		12	22											
12		22	10~18	12	8~15	28~40	28	28	30	10	5.5	6		
13		25											29~40	
14		25											28~40	
A Dimension Compact Type W Dimension Fixed HKNAS		13	25	12~24	14	12~18	29~40	50	37	38	30	15	6.5	7
		14	25											
	15	25	12~24	16	12~18	38~45	50	37	38	30	15	6.5	8	
	16	25												35~45
	16	30												38~45
	W, H Configurable HGNAB HGNAS	20	30	20~35	18	15~24	40~55	65	49	50	38	9	11	
		25	38											44~55
25		38	20~35	20	15~24	44~55	65	49	50	38	9	11		
25		38												

Order Example

Part Number - T - W - H

HKNNB10 - T22 - W5 - H35

HGNNM20 - T38 - W25 - H48

List of Diameter (DH7), Thickness (T) and Thickness on one side

DH7	Hinge Base Standard Type (P1470~P1479)			Hinge Base Thick Type		
	T	Thickness on one side (T-DH7)/2	T	Thickness on one side (T-DH7)/2	T	Thickness on one side (T-DH7)/2
4	9	2.5	12	4	-	-
5	12	3.5	16	5.5	19	7
6		3		5	6.5	
8	16	4	19	5.5	22	7
10		3		4.5	6	
12	19	3.5	22	5	25	6.5
13		3		4.5	6	
14	22	4	25	5.5	30	8
15		3.5		5	7.5	
16	25	3	30	4.5	38	7
20		2.5		5	9	
25	30	2.5	38	6.5	-	-

Features: (1)The hole's thickness on one side is selectable by working load.
(2)New products can specify H and W dimensions in 1mm increment.

Alterations

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

HKNNB10 - T22 - W5 - H35 - WDC

Alteration	Code	Spec.	
	WDC	Changes the number of d holes from 2 to 4. The holes are drilled at T1 position.	
		T	T1
		16	8
		19	10
		22	12
		25	14
		30	15
		38	20
		<p>Not applicable to D4.</p>	