



# Post Clamps / Hinge Plates

## Non-Flanged Side Mounting / Economy Type

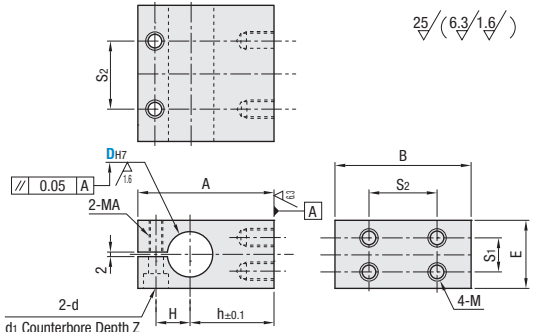
**Feature:** Installation footprint reduced by an average 52% compared to the conventional products on P.2249.

**Post Clamps – Non-Flanged Side Mounting**

**RoHS10**

Type	Material	Surface Treatment	Accessories
<b>CLHB</b>	1018 Carbon Steel or Equivalent	Black Oxide	Hex Socket Head Cap Screw
<b>CLHNM</b>		Electroless Nickel Plating	Hex Socket Head Cap Screw (Stainless Steel)
<b>CLHBM</b>	5052 Aluminum Alloy	Black Anodize	Hex Socket Head Cap Screw
<b>CLHAM</b>		Clear Anodize	Hex Socket Head Cap Screw (Stainless Steel)
<b>CLHS</b>	304 Stainless Steel	—	Hex Socket Head Cap Screw (Stainless Steel)



$25 \sqrt{(6.3/1.6)}$

**Accessories:** CB screws **P.2378** are included with black oxide/black anodized products, and SCB screws **P.2379** are included with the other products, respectively.

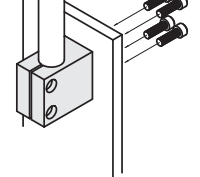
Part Number		D <sub>H7</sub>	A	B	M	S <sub>1</sub>	S <sub>2</sub>	h	E	d	d <sub>1</sub>	Z	MA	Included Screw
Type	W													
<b>CLHB</b> <b>CLHNM</b> <b>CLHBM</b> <b>CLHAM</b> <b>CLHS</b>	<b>10</b>	+0.015 0	35	35	M4	10	18	18	10.5	5	8	4.4	M4	M4-20, 2 pcs.
	<b>12</b>	+0.018 0	38	38	M5	12	20	20	11.5	5.5	9.5	5.5	M5	M5-25, 2 pcs.
	<b>15</b>	0	45	40	M6	13	20	25	12.5	6.6	11	6.5	M6	M6-35, 2 pcs.
	<b>20</b>	+0.021 0	53	45	M6	18	25	30	15	6.6	11	6.5	M6	M6-40, 2 pcs.
	<b>25</b>	0	59	60	M8	17	36	33	18	9	14	9	M8	M6-45, 2 pcs.
<b>30</b>	0	67	60	M8	29	36	37	21	9	14	9	M8	M8-50, 2 pcs.	

- ⊕ The tolerance and perpendicularity of DH7 is before slitting.
- ⊕ Recommended tolerances of fitting shafts: g6, f8. For stand posts, see P.2230. Tightening with a long wrench is recommended.
- ⊗ D=10-15 are not available for CLHBM, CLHAM, and CLHS.

**Part Number Example**


Part Number	<b>CLHB20</b>
Part Number	<b>CLHBM30</b>

**Application Example**



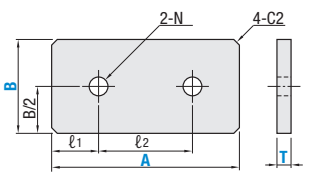
It is useful when tapping is difficult due to weak attachment plates, such as plastic plates or thin plates.

**Hinge Plates – Economy Type**



**RoHS10**

Type	Material	Surface Treatment
<b>JNPB</b>	Low Carbon Steel	Trivalent Bright Chromate
<b>JNPS</b>	304 Stainless Steel	—



Part Number	Type	B				T		l <sub>1</sub>	l <sub>2</sub>	N	
		30	40	50	60	JNPB	JNPS				
<b>JNPB</b>	<b>30</b>	10	20	30	40	2.0	2.0	5	20	4.5	
	<b>40</b>	10	20	30	40						
	<b>50</b>	10	20	30	40						50
	<b>60</b>	10	20	30	40						50
	<b>70</b>	10	20	30	40						50
<b>JNPS</b>	<b>80</b>	10	20	30	40	50	4.5	4.0	10	5.5	
	<b>90</b>	10	20	30	40	50					
	<b>100</b>	10	20	30	40	50					

**Part Number Example**

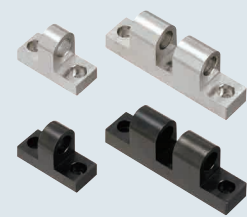
Part Number	<b>JNPB50</b>
Part Number	<b>- 30 - 2.0</b>

# Hinge Bases

## T-Shaped Type / U-Shaped Type

**Feature:** By controlling the height, space-saving compactness can be achieved.

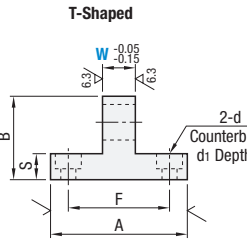
**Hinge Bases – T-Shaped Type / U-Shaped Type**



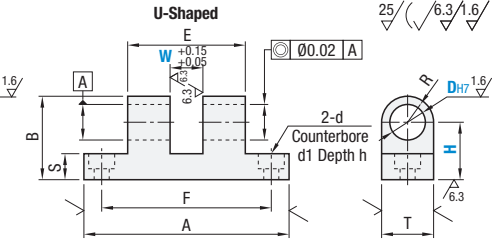
**RoHS10**

T-Shaped Type		U-Shaped Type		Material	Surface Treatment
W Fixed	W and H Configurable	W Fixed	W and H Configurable		
<b>HKHBB</b>	<b>HGHHB</b>	<b>HKHJB</b>	<b>HGHJB</b>	1045 Carbon Steel or Equivalent	Black Oxide
<b>HKHHM</b>	<b>HGHHM</b>	<b>HKHJM</b>	<b>HGHJM</b>		Electroless Nickel Plating
<b>HKHBS</b>	—	<b>HKHJS</b>	—	304 Stainless Steel	—

**T-Shaped**



**U-Shaped**



### T-Shaped Type

Part Number	Type	D <sub>H7</sub>	W		H	A	F	B (H+R)	S	T	R (T/2)	d <sub>1</sub>	d	h
			Selectable	1 mm Increment										
<b>W Fixed</b>	<b>3</b>	6	3-6	12-20	25	15	H+4.5	5.5	9	4.5	6.5	3.5	3.5	
	<b>4</b>													
	<b>5</b>													
	<b>6</b>													
	<b>8</b>													
<b>W &amp; H Configurable</b>	<b>10</b>	10	5-10	16-25	32	22	H+6	7.5	12	6	8	4.5	4.5	
	<b>12</b>													
	<b>13</b>													
	<b>14</b>													
	<b>15</b>													
<b>W &amp; H Configurable</b>	<b>16</b>	12	6-12	18-30	38	27	H+8	9.5	19	9.5	9.5	5.5	5.5	
	<b>13</b>													
	<b>14</b>													
	<b>15</b>													
	<b>16</b>													
<b>W &amp; H Configurable</b>	<b>20</b>	16	8-16	21-35	50	37	H+9.5	11.5	25	12.5	11	6.5	6.5	
	<b>20</b>													
	<b>25</b>													
	<b>25</b>													
	<b>25</b>													

### U-Shaped Type

Part Number	Type	D <sub>H7</sub>	W		H	A	F	B (H+R)	E	S	T	R (T/2)	d <sub>1</sub>	d	h
			Selectable	1 mm Increment											
<b>W Fixed</b>	<b>3</b>	6	3-8	12-20	32	24	H+4.5	14	5.5	9	4.5	6.5	3.5	3.5	
	<b>4</b>														
	<b>5</b>														
	<b>6</b>														
	<b>8</b>														
<b>W &amp; H Configurable</b>	<b>10</b>	10	4-12	16-25	50	40	H+6	25	7.5	12	6	8	4.5	4.5	
	<b>12</b>														
	<b>13</b>														
	<b>14</b>														
	<b>15</b>														
<b>W &amp; H Configurable</b>	<b>16</b>	12	5-15	20-30	65	52	H+8	38	9.5	16	8	9.5	5.5	5.5	
	<b>13</b>														
	<b>14</b>														
	<b>15</b>														
	<b>16</b>														
<b>W &amp; H Configurable</b>	<b>20</b>	16	8-24	20-35	75	62	H+9.5	43	11.5	25	12.5	11	6.5	6.5	
	<b>20</b>														
	<b>25</b>														
	<b>25</b>														
	<b>25</b>														

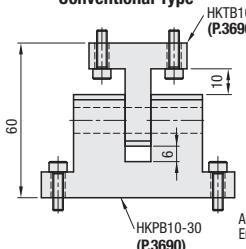
**Part Number Example**

Part Number	<b>HKHBB10</b>
Part Number	<b>- W20 - H18</b>

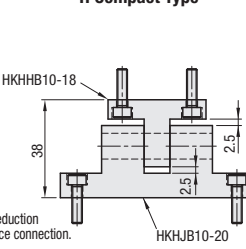
**Application Example**

**Comparison when Connecting T-Shaped & U-Shaped Type**

**Conventional Type**



**H Compact Type**



Approx. 35% size reduction Enables limited space connection.

Grippers / Air Cylinders, Cylinder Components / Connecting Components

Grippers / Air Cylinders, Cylinder Components / Connecting Components