

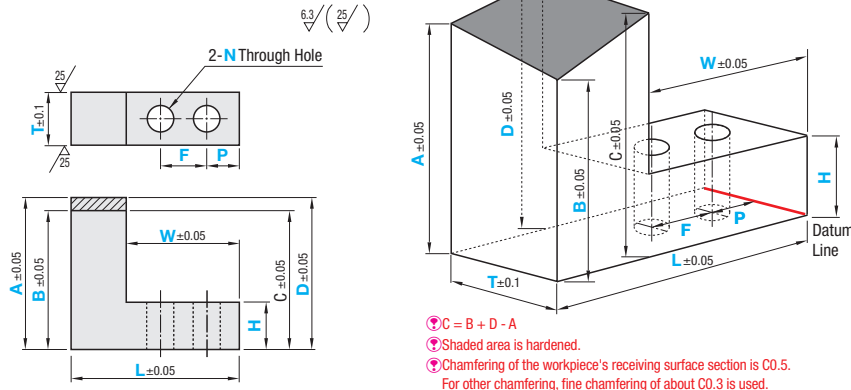
# Locators (Both Axes Inclined) R/L Set

## Two-Hole Type

### Both Axes Inclined



Type		Material	Hardness
Single Item	R/L Set		
UKSBT	UKS2BT	EN 1.0038 Equiv.	-
UKCBT	UKC2BT	EN 1.1206 Equiv. Only End Face Hardened	55HRC-
UKUBT	UKU2BT	EN 1.4301 Equiv.	-



### Single Item

Part Number		L 1 mm Increments	H *1	W *2 1 mm Increments	A *3 0.01 mm Increments	B *3 0.01 mm Increments	D *3 0.01 mm Increments	N (Through Hole)	F *4	P *4
UKSBT	9	29~70	10	17~58	10~100	10~100	7	9	0.1 mm Increment	P
UKCBT	12		12							
UKUBT	16		15							
	19		20							
	20		20							

\*1  $H + 1 \leq (\text{Min. Value of A, B, C, D})$  \*2  $10 \leq L - W$  when (Max. Value of A, B, C, D)  $\leq 60$ ;  $12 \leq L - W$  when (Max. Value of A, B, C, D)  $> 60$ . \*3 (Max. Value of A, B, C, D) - (Min. Value of A, B, C, D)  $\leq 21$   
 \*4 The thickness around the hole machining requires 1 mm or more.

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Ordering Example: **Part Number** UKC2BT12 - L46 - H15 - W30 - A41 - B39.1 - D35.6 - N7 - F13 - P7

### Single Item

T	A	Unit Price											
		UKSBT				UKCBT				UKUBT			
9, 12	10 ~ 50	L29~L40	L41~L50	L51~L60	L61~L70	L29~L40	L41~L50	L51~L60	L61~L70	L29~L40	L41~L50	L51~L60	L61~L70
16, 19, 20	10 ~ 50	50.01~100				50.01~100				50.01~100			

### R/L Set

T	A	Unit Price											
		UKS2BT				UKC2BT				UKU2BT			
9, 12	10 ~ 50	L29~L40	L41~L50	L51~L60	L61~L70	L29~L40	L41~L50	L51~L60	L61~L70	L29~L40	L41~L50	L51~L60	L61~L70
16, 19, 20	10 ~ 50	50.01~100				50.01~100				50.01~100			

Alterations: UKC2BT12 - L46 - H15 - W30 - A41.01 - B39.01 - D23.01 - N(M, Z, ZG) - F13 - P7 - (LPH) - X38

Alterations	Hole Type Change				Additional Hole																
	Tapped Hole	Counterbored Hole	Counterbored Hole (for Spring Washer)	Additional Tapped Hole	Additional Dowel Hole																
Code	M	Z	ZG	MB	K																
Spec.	<p>Changes both through holes (N) into tapped holes. · M6/M8</p>	<p>Changes both through holes (N) into counterbored holes. · ZG/Z8</p> <p>Applicable to T = 16, 19, or 20 only</p> <table border="1"> <tr><th>Dim.</th><th>Screw Nominal Dia.</th></tr> <tr><td>d, h</td><td>6 8</td></tr> <tr><td>d1</td><td>7 9</td></tr> <tr><td>d1</td><td>11 14</td></tr> </table>	Dim.	Screw Nominal Dia.	d, h	6 8	d1	7 9	d1	11 14	<p>Changes both through holes (N) into counterbored holes (for spring washers). · ZG6/ZG8</p> <p>Applicable to T = 16, 19, or 20 only</p> <table border="1"> <tr><th>Dim.</th><th>Screw Nominal Dia.</th></tr> <tr><td>d, h</td><td>6 8</td></tr> <tr><td>d1</td><td>7 9</td></tr> <tr><td>d1</td><td>11 14</td></tr> </table>	Dim.	Screw Nominal Dia.	d, h	6 8	d1	7 9	d1	11 14	<p>Adds a tapped hole on the bottom of the receiving surface. · MB6/MB8 · J = 0.1 mm increments</p> <p>A tapped hole cannot be added within the W dim. range. Combination with LPH or K is not available.</p>	<p>Adds a dowel hole on the bottom of the receiving surface. · K6/K8 · E = 0.1 mm increments</p> <p>A dowel hole cannot be added within the W dim. range. Combination with LPH or MB is not available.</p>
Dim.	Screw Nominal Dia.																				
d, h	6 8																				
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d1	11 14																				
Ordering Code	N7 → M6	N9 → Z8	N9 → ZG8	MB6-J38	K6-E38																

For the alterations above, the thickness around the hole machining requires at least 1 mm.

Alterations	Chamfering	Through Hole Machining for Locating Pin	Height Accuracy	Reversed	Marking (V Groove)
	Code	CA/CB/CC/CD/CT	LPH	ZKC	MR
Spec.	<p>Chamfers the receiving surface or the bottom surface. · Chamfering Area: Select the area from CA/CB/CC/CD/CT. · Chamfering Width: Specify 1, 3, 5 or 10.</p>	<p>Additional through hole for a locating pin in the shaded area including the workpiece receiving surface · LPH = <math>\phi 6</math> to <math>\phi 14</math> in 0.5 mm increments · X = 0.1 mm increments · Misalignment of 0.2 mm or less occurs when the height of the receiving surface is larger than <math>\phi \times 8</math>. · Combination with MB or K is not available.</p>	<p>Changes the A, B, C and D dim. tolerance to <math>\pm 0.03</math>.</p>	<p>Reversed type of the product with specified part number is delivered. · Only the reversed type is delivered. · Chamfering is applied at the reversed section.</p>	<p>Adds a V groove marking line on the receiving surface. · V Groove Width 0.5 mm, Depth 0.2 mm · Will be evenly distributed along the length/width of the receiving surface. · Width tolerance is <math>\pm 0.2</math> and depth tolerance is <math>\pm 0.1</math>.</p>
Ordering Code	CA5	LPH7-X38	ZKC	MR	VK