

Locators (Flat)

One-Hole Type

Flat

Type	Material	Hardness
UKSF	EN 1.0038 Equiv.	-
UKNF	EN 1.1206 Equiv.	-
UKCF	EN 1.1206 Equiv.	Only End Face Hardened 55HRC-
UKUF	EN 1.4301 Equiv.	-

6.3 / (25 /)

N Through Hole

W ± 0.05

A ± 0.05

H

T ± 0.1

L ± 0.05

Datum Line

Shaded area is hardened.

Chamfering of the workpiece's receiving surface section is C0.5. For other chamfering, fine chamfering of about C0.3 is used.

Part Number		L	H	W	A	N	P
Type	T	1 mm Increments	1 mm Increments	1 mm Increments	0.01 mm Increments	(Through Hole)	0.1 mm Increment
UKSF	9	25~70	10	13~58	10~100	7	0.1 mm Increment
UKNF	12		12			9	
UKCF	16		15				
UKUF	19		20				
	20						

*1 H + 1 ≤ A *2 10 ≤ L - W when A ≤ 60; 12 ≤ L - W when A > 60. *3 The thickness around the hole machining requires 1 mm or more.

Ordering Example

Part Number: UKSF12 - L40 - H15 - W20 - A35 - N7 - P9

T	A	Unit Price							
		UKSF				UKNF			
		L25~L40	L41~L50	L51~L60	L61~L70	L25~L40	L41~L50	L51~L60	L61~L70
9, 12	10 ~ 50								
	50.01~100								
16, 19, 20	10 ~ 50								
	50.01~100								

T	A	Unit Price							
		UKCF				UKUF			
		L25~L40	L41~L50	L51~L60	L61~L70	L25~L40	L41~L50	L51~L60	L61~L70
9, 12	10 ~ 50								
	50.01~100								
16, 19, 20	10 ~ 50								
	50.01~100								

Alterations

Part Number: UKSF12 - L40 - H15 - W20 - A35 - N(M, Z, ZG) - P9 - (MB) - (J)

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 a through hole (N) into a tapped hole.</p> <ul style="list-style-type: none"> M6/M8 <p>Ordering Code: N7 → M6</p>	<p>Changes a through hole (N) into a counterbored hole.</p> <ul style="list-style-type: none"> Z6/Z8 Applicable to T = 16, 19, or 20 only <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> <p>Ordering Code: N9 → Z8</p>	Dim.	Screw Nominal Dia.	d, h	6 8	d1	7 9	d1	11 14	<p>Changes a through hole (N) into a counterbored hole (for spring washer).</p> <ul style="list-style-type: none"> Z6/Z8 Applicable to T = 16, 19, or 20 only <table border="1"> <tr><th>Dim.</th><th>Screw Nominal Dia.</th></tr> <tr><td>d</td><td>6 8</td></tr> <tr><td>d1</td><td>7 9</td></tr> <tr><td>h</td><td>8 11</td></tr> </table> <p>Ordering Code: N9 → ZG8</p>	Dim.	Screw Nominal Dia.	d	6 8	d1	7 9	h	8 11	<p>Adds a tapped hole on the bottom of the receiving surface.</p> <ul style="list-style-type: none"> MB6/MB8 J = 0.1 mm increments A tapped hole cannot be added within the W dim. range. Combination with LPH or K is not available. <p>Ordering Code: MB6-J33</p>	<p>Adds a dowel hole on the bottom of the receiving surface.</p> <ul style="list-style-type: none"> K6/K8 E = 0.1 mm increments A dowel hole cannot be added within the W dim. range. Combination with LPH or MB is not available. <p>Ordering Code: K6-E33</p>
Dim.	Screw Nominal Dia.																				
d, h	6 8																				
d1	7 9																				
d1	11 14																				
Dim.	Screw Nominal Dia.																				
d	6 8																				
d1	7 9																				
h	8 11																				

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	Marking (V Groove)
	CA/CB/CC/CD/CT	LPH	ZKC	VK
Code	CA	LPH	ZKC	VK
Spec.	<p>Chamfers the receiving surface or the bottom surface.</p> <ul style="list-style-type: none"> Chamfering Area: Select the area from CA/CB/CC/CD/CT. Chamfering Width: Specify 1, 3, 5 or 10. <p>Ordering Code: CA5</p>	<p>Additional through hole for a locating pin in the shaded area including the workpiece receiving surface.</p> <ul style="list-style-type: none"> LPH = Ø6 to Ø14 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 Ø x 8. Combination with MB or K is not available. <p>Ordering Code: LPH7-X33</p>	<p>Changes the A dim. tolerance to ±0.03.</p> <p>Ordering Code: ZKC</p>	<p>Adds a V groove marking line on the receiving surface.</p> <ul style="list-style-type: none"> 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 ±0.2 and depth tolerance is ±0.1. <p>Ordering Code: VK</p>