

# Hinge Units for Jigs / Slide Units for Jigs / Hinge & Slide Unit Bases

## Horizontal

**Feature:** Units with vertically moving and sliding arms. Machine the arm section to use for work piece measurements. The rail and arm are pair engraved. Use as a set.

### Hinge Units for Jigs – Horizontal

**RoHS 10**

*(Alteration NB)*

\*The fulcrum pin is optional. P938

**JHS** Rail & Arm Set  
**JHSS** Joint clearance of the rail and the arm 0-0.02, sets  
**JHR** Rail Only  
**Rail & Arm Set** (JHSS Only)  
 Double clearance adjustment 0-0.02

**Material:** 1045 Carbon Steel or Equivalent

### Slide Units for Jigs

**RoHS 10**

\*Rail, lid and arm are not assembled prior to shipping.

**JSS** Rail & Arm Set  
**JSSS** Joint clearance of the rail and the arm 0-0.02, sets  
**JSR** Rail Only  
**Rail & Arm Set**

**Material:** 1045 Carbon Steel or Equivalent  
**Accessories:** Hexagon Socket Head Cap Screw (4 Pcs.) (For securing the lid)

## Hinge Units for Jig

Part Number	L	Counterbored Hole Size M*	Counterbored Hole Position		Alteration NB (Setting Knob Bolts) Dimensions for actual use.				Available Types		
			A	B	m	z	h	d	JHS	JHR	JHSS
<b>Rail &amp; Arm Set</b>	<b>10</b>	For M5									
<b>JHS</b>	<b>20</b>										
<b>JHSS</b>	<b>30</b>										
<b>Rail Only</b>	<b>50</b>										
<b>JHR</b>	<b>80</b>	For M8	26.5	27	M8	13.5	18	30			

## Slide Units for Jig

Part Number	L	Counterbored Hole Size M*	Counterbored Hole Position	Available Types		
				JSS	JSR	JSSS
<b>Rail &amp; Arm Set</b>	<b>10</b>		M5 2 holes			
<b>JSS</b>	<b>40</b>		L=40: A=13.75 B=12.5 L=60: A=20 B=20			
<b>Clearance 0-0.02</b>	<b>20</b>		L=40: M8 1 holes L=60: M6 2 holes			
<b>JSSS</b>	<b>60</b>		L=40: A=20 B=0 L=60: A=20 B=20			
<b>Rail Only</b>	<b>30</b>					
<b>JSR</b>	<b>80</b>		M 8 2 holes			

\*For detailed sizes of the counterbored holes, refer to Technical Data on P.4014

### Hinge & Slide Unit Bases

**RoHS 10**

**JHSP**  
**JSSP**

**Material:** 1045 Carbon Steel or Equivalent

Part Number	Type	A	B Selection	Applicable Hinge Unit	G	F	E (±0.02)
			<b>75</b>	JHS_20-60			
			<b>85</b>	JHS_30-60			
		<b>120</b>	<b>105</b>	JHS_50-80	21.5	48.5	70
<b>Slide Unit Bases</b>	<b>JSSP</b>	<b>80</b>	<b>65</b>	JSS_10-40	8.75	21.25	
			<b>75</b>	JSS_20-40			30
			<b>85</b>	JSS_30-40			
		<b>100</b>	<b>65</b>	JSS_10-60	15	35	50
			<b>75</b>	JSS_20-60			
			<b>85</b>	JSS_30-60			
		<b>120</b>	<b>105</b>	JSS_50-80	21.5	48.5	70

# Hinge Units for Jigs

## Vertical

**Feature:** Units with vertically moving and sliding arms. Machine the arm section to use for work piece measurements.

### Hinge Units for Jigs – Vertical

**RoHS 10**

### JHTS

Relief (Depth 0.5-2, Width W-20)

\*Tolerance is applicable to dowel holes only.  $6.3 / (3.2 / 1.6)$

Alphabets are engraved on the rail and arm. Please use a pair of rail and arm with matching letters.

**Material:** 1045 Carbon Steel or Equivalent

Part Number	Type	W	L Selection		A
			60	80	
<b>JHTS</b>		<b>30</b>	<b>60</b>	<b>100</b>	
		<b>50</b>	<b>80</b>	<b>120</b>	

**Part Number Example**

Part Number	-	L	-	B
JHS20	-	60	-	
JSS20	-	40	-	
JHSP100	-		-	75
JHTS30	-	60	-	

**Hinge Units for Jigs – Horizontal / Slide Units for Jigs**

**Part Number Alterations**

Part Number	-	L	-	(STC / NB / LC)
JHS20	-	60	-	NB
JSS20	-	60	-	LC20

Alterations	Code	Spec.
Additional Surface Treatment (Black Oxide)	<b>STC</b>	Adds Black Oxide Surface Treatment.
Knob Bolt Set for Tightening and Fixing	<b>NB</b>	Instead of L pin hole, a knob bolt is installed. A dedicated knob bolt (Retained) is included. Only for W20, 30, 50 of JHS.  Knob bolt has drop-proof structure. The Knob Bolt's threaded section retracts into the counterbore when the arm is lowered not damage the rail.
Knob Bolt Material: 1045 Carbon Steel or Equivalent Surface Treatment: Electroless Nickel Plating	<b>LC</b>	Cuts L Dimension of the arm. Ordering Code: LC20 (10 mm Increment) $10 \leq LC \leq Lx2$
Position of Bottom Face Mounting Hole	<b>SYM</b>	Positions the dowel hole and mounting hole symmetrically. Applicable to JHTS only.

**Application Example**

Machine the arm as required.

**JHS** (Alteration NB)  
 Horizontally Fixed (Standard) / Horizontally Fixed with Knob

**JSS** Embedded Bushing

**JHTS** Product Shape / Product / Hinge Unit