

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

RoHS10

(Alteration NB)

*The fulcrum pin is optional. P.938

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

RoHS10

*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
Rail & Arm Set	10	For M5									
JHS	20	For M6	23	14	M6	12.5	15	24	•	•	•
JHSS	30								•	•	•
JHR	50								•	•	•
Rail Only	80	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	
Rail & Arm Set	10	M5 2 holes	L=40: A=13.75 L=60: A=20	B=12.5 B=20	•	•	—
JSS	20				•	•	•
JSSS	30				•	•	•
JSR	50				•	•	•
Rail Only	80	M 8 2 holes	A=26.5	B=27	•	•	•

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

Hinge & Slide Unit Bases

RoHS10

JHSP
JSSP

Material: 1045 Carbon Steel or Equivalent

Part Number	Type	A	B Selection	Applicable Hinge Unit	G	F	E (±0.02)
			75	JHS_20-60			
			85	JHS_30-60			
		120	105	JHS_50-80	21.5	48.5	70
Slide Unit Bases	JSSP	80	65	JSS_10-40	8.75	21.25	30
			75	JSS_20-40		0	
			85	JSS_30-40			
		100	65	JSS_10-60	15	35	50
			75	JSS_20-60			
			85	JSS_30-60			
		120	105	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

RoHS10

Material: 1045 Carbon Steel or Equivalent

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
			30	60	
JHTS		50	80		100
					120

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)	STC	Adds Black Oxide Surface Treatment.
Knob Bolt Set for Tightening and Fixing	NB	Instead of L pin hole, a knob bolt is installed. A dedicated knob bolt (Retained) is included. Ⓢ Applicable only for W20, 30 and 50 of JHS and JHSS. 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	LC	Cuts L Dimension of the arm. Ordering Code: LC20 (10 mm Increment) Ⓢ 10≤LC≤Lx2
Position of Bottom Face Mounting Hole	SYM	Positions the dowel hole and mounting hole symmetrically. Ⓢ Applicable to JHTS only.

Application Example

Machine the arm as required.

JHS
 Horizontally Fixed (Standard)
 Horizontally Fixed with Knob

JSS
 Embedded Bushing

JHTS
 Product Shape
 Product
 Hinge Unit