

Slot Pins for Inspection Jigs

Tapered, Tapered with No Step

Feature: No Step Type has no groove at joint and prevents snagging thin workpiece such as sheet metal.
Applicable Bushings: refer to P.1828-1830

Material	Hardness	(1) Taper Shape Fixed		(2) Angle		(3) X		(4) Tapered, No Step	
		Type	Material Code	Type	Material Code	Type	Material Code	Type	Material Code
1045 Carbon Steel or Equivalent	—	S ^{0.02}	DT	S ^{0.02}	KT	S ^{0.02}	XT	KJP	DTN
1045 Carbon Steel or Equivalent	45 HRC min.	KJP	DTH	KJP	KTH	KJP	XTH	KJP	DTNH
304 Stainless Steel	—	Sg6	DTS	KJP	KTS	KJP	XTS	KJP	—
440C or 420 Stainless Steel	45-50 HRC min.	KJPG	DTC	KJP	KTC	KJP	XTC	KJP	—

Some combinations are unavailable. Refer to the price list to select the available combination.

(1) (2) (3) Round Tip
Small Head: D=8-25

(1) Taper Shape Fixed Type Only
Large Head: D=10L-20L

(4) Tapered, No Step
D=8-25

S	g6
3.00	-0.002 -0.008
3.01-6.00	-0.004 -0.012
6.01-10.00	-0.005 -0.014
10.01-18.00	-0.006 -0.017
18.01-29.00	-0.007 -0.020

1. For electroless nickel plating, specify the alteration MN.
2. 440C or 420 Stainless Steel has an identification groove on D part.
3. Dimensions not specified are same as Small Head Type.
4. For shorter handle length, refer to the alteration ZC.
5. There is a relief groove that is approx. 1 mm wide (approx. 0.2 mm deep), and the tip may have a centering hole.

(1) Taper Shape Fixed: Select Type, Material Code and D Dimension

Type	Material Code	D	0.01mm Increment		1mm Increment	K°	X	Y ₁ , Y ₂	M	Available Types					
			P	S (P-1≥S)						B	S ^{0.02}	S _{g6}	KJPD	KJPDH	KJPGD
KJP	DT	8	4.00-6.00	3.00-5.00	5-25	Tapered 1/5	5	1	M4	•	•	•	•	•	•
		10	4.00-8.00	3.00-7.00						•	•	•	•	•	•
		12	5.00-10.00	3.00-9.00						•	•	•	•	•	•
		16	8.00-14.00	3.00-13.00						•	•	•	•	•	•
		20	10.00-18.00	5.00-17.00						•	•	•	•	•	•
KJPG	DTC	25	15.00-23.00	8.00-22.00	5-40	Tapered 1/5	5	1	M5	•	•	•	•	•	•
		10L	10.00-16.00	5.00-15.00						•	•	•	•	•	•
		12L	12.00-20.00	6.00-19.00						•	•	•	•	•	•
		16L	16.00-25.00	8.00-24.00						•	•	•	•	•	•
		20L	20.00-30.00	10.00-29.00						•	•	•	•	•	•

Large Head Type (D=10L-20L) is available for 1045 Carbon Steel or Equivalent only.

(2) Angle Selectable (X Dimension fixed) (3) X Dimension Selectable Type (Angle K° is fixed): Select Type, Material Code and D Dimension

Type	Part Number		0.01 mm Increment		1 mm Inc.	K°	X		Y ₁ / Y ₂	Condition	M	
	Material Code	Angle	D	P			Selectable	Fixed				Selectable
KJP	KTH	XTH	10	4.21-7.59	3.00-5.98	Tapered 1/5	5	1	5	1.8 when K°=10 2.7 when K°=15 When X=1, Y1=1.8, Y2=0.2 When X=2, Y1=1.6, Y2=0.4 When X=3, Y1=1.4, Y2=0.6	When K°=10, S<P-2.8, D>P+2.8 When K°=15, S<P-3.7, D>P+3.7 When X=1, S<P-1.2, D>P+2.8 When X=2, S<P-1.4, D>P+2.6 When X=3, S<P-1.6, D>P+2.4	M5
			12	5.00-9.59	3.00-7.98							
			16	8.00-13.59	4.00-11.98							
			20	10.00-17.59	6.00-15.98							
			25	15.00-22.59	8.00-20.98							

(4) Tapered, No Step: Select Type, Material Code and D Dimension

Type	Material Code	D	0.01 mm Increment		1 mm Increment	M
			P	B		
KJP	DTN	8	4.00-6.00	5-25	When P-1<8	M4
		10	4.00-8.00			
		12	5.00-10.00			
		16	8.00-14.00			
		20	10.00-18.00			
KJP	DTNH	25	15.00-23.00	5-40	When P-1≥8	M5
		25	15.00-23.00			

Part Number Alterations

Part Number - P - S - B - K - X - (CH / KH / ZC / NMN...etc.)
 KJPD16 - P12.00 - S10.00 - B15 - NMN
 KJPD10 - P8.00 - B10 - ZC30

Alterations	Code	Spec.
Chain Attachment	CH	Retaining chain (length 600 mm) is attached to the gauge body. For chains only, refer to P.1845
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension. Not applicable to handle length 10. Engraved on the reverse side when combined with KF.
Additional Surface Treatment (Electroless Nickel Plating)	MN	Electroless nickel plating is applied. Applicable to Material 1045 Carbon Steel or Equivalent only. Combination with STC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds Black Oxide Surface Treatment. Applicable to Material 1045 Carbon Steel or Equivalent only. Combination with MN is not available.

Part Number Example

Part Number - P - S - B - K - X
 (1) Taper Shape Fixed KJPD16 - P5.01 - S3.00 - B10
 (2) Angle Selectable KJPKTH20 - P16.00 - S8.00 - B20 - K10
 (3) X Dimension Selectable KJPKXTH20 - P15.00 - S10 - B13 - X3
 (4) Tapered, No Step KJPD16 - P8.00 - B20

Alterations	Code	Spec.
Handle Length	ZC	Changes handle length 50 to 10, 20, 30 or 40. For handle length 10, there is no tapered hole. Handle length 10 or 20 are available when P≥5 and pin length (10+B or L+10)≤30. For Large Head Type, only ZC30 and 40 are applicable. For handle length 10, combination with KH and KF are not available.
Engraving of the Specified Characters	KF	Engraves alphabet or number. Ordering Code: KF-MISUMI0034 Printable Characters: alphabet, number, . (period) Not applicable to handle length 10. Engraves on the reverse side when combined with KH. Up to 8 digits. When selecting with other options, enter this last.

Tapped Pins for Inspection Jigs / Plugs for Mounting Temperature Sensors / Temperature Sensors Mounting Holders / Temperature Sensor Mounting Bolt

Feature: Tapped Pins clamp workpiece to measure the dimensions. Use alteration KC when using a bushing as a guide.

Type	Material	Hardness
KJPNM	1045 Carbon Steel or Equivalent	—
KJPNMH	1045 Carbon Steel or Equivalent	45 HRC min.

1. Handles and pins may be joined with an adhesive. High heat and force may cause separation.
2. P dimension tolerance is general tolerance. For accuracy enhancement, please refer to the alteration KC.

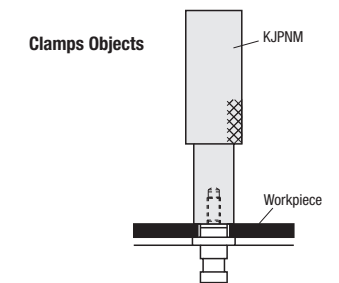
Part Number	Type	D	P 0.01mm Increment	L 1mm Increment	M (P-4≥M)	Available Types			
						KJPNM		KJPNMH	
						L10-100	L101-150	L10-100	L101-150
KJPNM KJPNMH		10	8.00-10.00	When P<12 10-100 When P≥12 10-150	4 5 6 8 10	•	—	•	—
		12	8.00-10.00			•	—	•	—
		16	8.00-14.00			•	•	•	•
		20	10.00-18.00			•	•	•	•
		25	14.00-23.00			•	•	•	•

For D10, knurling may extend slightly to the pin part when difference between P dimension is none or small.

Part Number Example

Part Number - P - L - M
 KJPNM 20 - P12.00 - L80 - M8

Application Example



Part Number Alterations

Part Number - P - L - M - (CH/KH...etc.)
 KJPNMH16 - P9.30 - L100 - M5 - KC

Alterations	Code	Spec.
Chain Attachment	CH	Retaining chain (length 600 mm) is attached to the gauge body. For chains only, refer to P.1845
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension.
P Dimension Tolerance	KC	Changes P dimension tolerance to 0 -0.02 There may be a relief groove between handle part and pin part.

Alterations	Code	Spec.
Additional Surface Treatment (Electroless Nickel Plating)	MN	Electroless nickel plating is applied. Combination with STC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds Black Oxide Surface Treatment. Combination with MN is not available.
Handle Length	ZC	Changes handle length from 50 to 30 or 40. Ordering Code: ZC30 Applicable only when pin length L≤30.