

Slot Pins for Inspection Jigs

Straight Threaded with Step / Threaded Pins

Feature: Suitable when clamping work with threaded part and measuring workpiece diameter with straight part.
Applicable Bushings: refer to P.1834, 1838

Slot Pins for Inspection Jigs – Straight Threaded with Step

Alteration ZC

Alteration ZC

RoHS 10

Material ①	Hardness	(1) One-Step Type		(2) Two-Step Type	
		Type	Material Code	Type	Material Code
1045 Carbon Steel or Equivalent	—	P _{0.02}	M	S _{0.02}	MD
1045 Carbon Steel or Equivalent	45 HRC min.	KJP	MH	KJP	MDH
304 Stainless Steel	—	Pg6	MS	Sg6	MDS
② 440C or 420 Stainless Steel	45-50 HRC	KJPG	MC	KJPG	—

① Some combinations are unavailable. Refer to the available list to select the available combination.

(1) One-Step Type Small Head: D=8-25

(2) Two-Step Type Small Head: D=8-25

Large Head: D=10L-20L ⑤

③ M5 Knurling (Crisscross) 0.8 G

④ For shorter handle length, please refer to the alteration ZC.

⑤ Dimensions not specified are same as Small Head Type.

⑥ The joint of each step may have a relief groove (approx. 1 mm wide and approx. 0.2 mm deep), and the tip may have a centering hole. For no relief groove, use alteration NMN.

(1) Single-Row Type: Select Type, Material Code, D Dimension (For details refer to order example below).

Type	Part Number	Material Code	D	P 0.01 mm Increment	M(P≥M)		1mm Increment				
					L	B	L	B			
P _{0.02} KJP	M	MH	8	4.00-6.00	3 4			0			
			10	5.00-8.00	4 5 6 8			2-35			
			12	5.00-10.00	4 5 6 8 10 S10				5-25		
			16	8.00-14.00	4 5 6 8 10 S10	12					
			20	10.00-18.00	5 6 8 10 S10	12					
	Pg6 KJPG	MS	MC	10L	10.00-16.00	4 5 6 8 10 S10					
				12L	12.00-20.00	5 6 8 10 S10	12				
				16L	16.00-25.00	6 8 10 S10	12				
				20L	20.00-30.00						

① Large Head Type (D=10L-20L) is available for 1045 Carbon Steel or Equivalent only. ② S10 is fine thread (pitch 1.25). ③ KJPND, KJPNS are more economical when L=0.

(2) Two-Row Type: Select Type, Material Code, D Dimension (For details refer to order example below).

Type	Part Number	Material Code	D	P 0.01 mm Increment	S(P≥S) 0.1 mm Increment	M(S≥M)		1 mm Increment			
						L	B	C	L	B	C
S _{0.02} KJP	MD	MDH	8	4.00-6.00	3.0-5.0	3 4					
			10	5.00-8.00	4.0-7.0	4 5 6					
			12	5.00-10.00	4.0-9.0	4 5 6 8					
			16	8.00-14.00	7.0-13.0	4 5 6 8 10 S10 12					
			20	10.00-18.00	9.0-17.0	5 6 8 10 S10 12					
	Sg6 KJPG	MDS	—	25	15.00-23.00	14.0-22.0					
				10L	10.00-16.00	5.0-15.0	4 5 6 8 10 S10				
				12L	12.00-20.00	6.0-19.0	5 6 8 10 S10 12				
				16L	16.00-25.00	8.0-24.0	6 8 10 S10 12				
				20L	20.00-30.00	10.0-29.0					

① Large Head Type (D=10L-20L) is available for 1045 Carbon Steel or Equivalent only. ② S10 is fine thread (pitch 1.25).

Part Number Example

Type	Config.	Material Code	D	P	S	M	L	B	C
KJP	MH	16	- P11.20	- M6	- L15	- B10			
KJP	MD	12L	- P18.50	- S13.5	- M8	- L10	- B10	- C10	

10-Step Type

D	Available Types							
	P _{0.02}				Pg6			
	KJPM	KJPMH	KJPMMS	KJPMC	KJPGM	KJPGMH	KJPGMS	KJPGMC
Small Head	8	•	•	•	•	•	•	•
	10	•	•	•	•	•	•	•
	12	•	•	•	•	•	•	•
	16	•	•	•	•	•	•	•
	20	•	•	•	•	•	•	•
Large Head	10L	•	•	•	•	•	•	•
	12L	•	•	•	•	•	•	•
	16L	•	•	•	•	•	•	•
	20L	•	•	•	•	•	•	•

22-Step Type

D	Available Types				
	S _{0.02}				
	KJPM	KJPMH	KJPMDS	KJPGMD	KJPGMDH
Small Head	8	•	•	•	•
	10	•	•	•	•
	12	•	•	•	•
	16	•	•	•	•
	20	•	•	•	•
Large Head	10L	•	•	•	•
	12L	•	•	•	•
	16L	•	•	•	•
	20L	•	•	•	•

Slot Pins for Inspection Jigs

Straight Threaded with Step / Threaded Pins, continued

Part Number Alterations

Part Number	P	S	M	L	B	C	(CH / KH / STC / ZC / MN / MNM...etc.)
KJPMDS10	- P7.00	- S4	- M4	- L10	- B8	- C8	CH
KJPM16	- P0	-	- M8	- L0	- B24	- ZC40	
KJPMH12	- P7.80	-	- M5	- L15	- B8	- MN	

Alterations	Code	Spec.
Chain Attachment	CH	Retaining chain (length 600 mm) is attached to the gauge body. ① 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. ① Engraved on the reverse side when combined with KF.
Engraving of the Specified Characters	KF	Engraves alphabet or number. Ordering Code: KF-MISUMI0034 Printable Character: alphabet, number, . (period) ⊗ Not applicable to handle length 10. ① Engraves on the reverse side when combined with KH. ② Up to 8 digits.
Handle Length	ZC	Changes handle length 50 to 10, 20, 30 and 40. Ordering Code: ZC20 ① Handle length 10 and 20 is only available when P≥5 and pin length L+B(+C)≤30. ② For large head type, handle length 30 and 40 only are applicable. ⊗ For handle length 10, there is no tapped hole. ⊗ For handle length 10, combination with KH is not available.

Alterations	Code	Spec.
L Dimension Tolerance	LKC	Changes the L dimension tolerance to ±0.05 Ordering Code: LKC ① When the LKC is used, 0.1mm increment can be specified for L Dimension. ② L≤30 ③ P≥4
No Relief Groove	NMN	Clears the relief groove between knurled part and straight part on the step. ⊗ Large Head not applicable.
Additional Surface Treatment (Electroless Nickel Plating)	MN	Electroless nickel plating is applied. ① 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. ① Applicable to Material 1045 Carbon Steel or Equivalent only. ⊗ Combination with MN is not available.

Feature: Suitable when clamping workpiece with threaded part.

Slot Pins for Inspection Jigs – Threaded Pins

RoHS 10

Material	Type
1045 Carbon Steel or Equivalent	KJPND
304 Stainless Steel	KJPNS

① When L is less than 40, entire length is knurled.

Type	D	L 10 mm Increment	M Selection	B 1 mm Increment
KJPNS	12			
	16			

① S10 is fine thread (pitch 1.25).

Part Number Alterations

Part Number	L	M	B	(STC)
KJPND10	- L80	- M4	- B10	- STC

Alterations	Code	Spec.
Additional Surface Treatment (Black Oxide)	STC	Adds Black Oxide Surface Treatment. ① Applicable to Material 1045 Carbon Steel or Equivalent only.

