

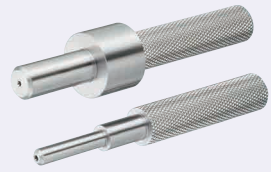
# Slot Pins for Inspection Components

## Stepped Straight, Handle Length Fixed

■Features: Straight Slot Pins for Inspection Jigs. For compatible bushings, see P.1845~P.1846.

### Stepped Straight

#### ■Handle Length Fixed



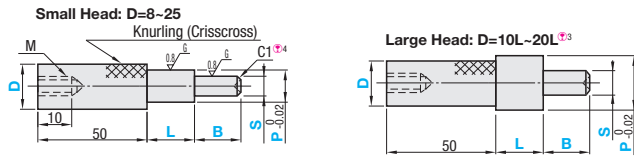
Material <sup>1)</sup>	Hardness	Type	
		S <sub>0.02</sub>	S <sub>g6</sub>
S45C Equivalent	-	KJPD	KJPGD
S45C Equivalent	45HRC~	KJPDH	KJPGDH
SUS304	-	KJPDS	KJPGDS
*2 SUS440C or 13Cr stainless	45~50HRC	KJPDSC	KJPGDSC

S	g6
2.00~ 3.00	-0.002 -0.006
3.01~ 6.00	-0.004 -0.012
6.01~10.00	-0.005 -0.014
10.01~18.00	-0.006 -0.017
18.01~30.00	-0.007 -0.020

① Handles and pins may be joined with an adhesive. Heat or strong force may cause separation.



- ① For electroless nickel plating, please specify the alteration MN.
- ② SUS440C or 13Cr stainless has an identification groove on D part.
- ③ Dimensions not specified are the same as Small Head Type.
- ④ When P<3, C is 0.5.
- ⑤ The joint of each step may have a relief groove (approx. 1mm wide and approx. 0.2mm deep).
- ⑥ Large Head Type (D=10L~20L) is available for S45C only.

Part Number	0.01mm Increment			1mm Increment		M	
	Type	D	P	S(P>S)	L		B
(S45C) KJPD	(S45C) KJPGD	8	2.50~ 6.00	2.00~ 5.50	5~25 When P≤3.99, L≤Px4	5~25 When S≤2.99, B≤Sx4	M4
		10	2.50~ 8.00	2.00~ 7.50			M5
(S45C Hardened) KJPDH	(S45C Hardened) KJPGDH	12	2.50~10.00	2.00~ 9.50			M5
		16	3.50~14.00	3.00~13.50			M5
(SUS304) KJPDS	(SUS304) KJPGDS	20	10.00~18.00	5.00~17.00			M5
(SUS440C or 13Cr stainless) KJPDSC	(SUS440C or 13Cr stainless) KJPGDSC	10L	10.00~16.00	5.00~15.00	(L+B≤50) For longer pins, see P.1827.	M5	
		12L	12.00~20.00	6.00~19.00		M5	
		16L	16.00~25.00	8.00~24.00		M5	
		20L	20.00~30.00	10.00~29.00		M5	

Ordering Example: Part Number (TYPE, D) - P - S - L - B  
 KJPD12 - P8.03 - S5.00 - L5 - B10

D	S <sub>0.02</sub>				S <sub>g6</sub>			
	KJPD	KJPDH	KJPDS	KJPDSC	KJPGD	KJPGDH	KJPGDS	KJPGDSC
Small Head	8							
	10							
	12							
	16							
	20							
	25							
Large Head	10L							
	12L							
	16L							
	20L							

Alterations: Part Number - P - S - L - B - (CH, KH, KF-etc.)  
 KJPD12 - P13.50 - S4.00 - L10 - B16 - ZC30

Alterations	Code	Spec.
Chain Alterations	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P.1862.
Additional Surface Treatment (Electroless Nickel Plating)	MN	Electroless nickel plating is applied. ① Applicable to Material S45C only. ② Combination with STC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds black oxide surface treatment. ① Applicable to Material S45C only. ② Combination with MN is not available.
P Dimension Tolerance	PKC	Changes P dimension tolerance to g6.
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension (with the character orientation arbitrary). ① Engraved on the reverse side when combined with KF and KHS.
Engraving of the Specified Characters	KF	Engraves alphabet or number. ① Engraving Code: KF-MISUMI0034 ② Printable Character: alphabet, number, (period) ③ Not applicable to handle length 10. ④ No symbols, such as a hyphen (-), other than those mentioned above may be used for engraving. ⑤ The pin's orientation to the pin to the engraved characters is arbitrary. ⑥ Engraved on the reverse side when combined with KH and KHS. ⑦ Up to 8 digits max. ⑧ When combining with other options, enter this last.

Alterations	Code	Spec.
L Dimension Tolerance	LKC	Changes L dimension tolerance to ±0.05. ① [Ordering Code] LKC ② When the LKC is used, 0.1mm increment can be specified for L Dimension. ③ L<30 ④ P>4
No Relief Groove	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Handle Length	ZC	Changes handle length 50 to 10, 20, 30 or 40. ① [Ordering Code] ZC20 ② Z dimension 10 and 20 are only available when P=5 and pin length L=30. ③ When P=5 and L=30 ④ Applicable to SUS304, SUS440C or 13Cr stainless only. ⑤ For handle length 10, there is no tapped hole. ⑥ For Large Head Type, only ZC30 and 40 are applicable.
Tapered Tip	STT	Tapers the tip. ① Applicable when L=10 and B=10. ② The length of m is included in that of B.
Engraving of S Dimension	KHS	Machines flats on knurled head and engraves S dimension. ① Engraved on the reverse side when KH and KF are combined.

Caution when making alterations to engraving (KH, KF, KHS)  
 If the pin and the knurled part are joined with an adhesive, 10mm of the tip is not machined flat because the tip is thin.

# Slot Pins for Inspection Components

## Stepped Straight, Handle Length Selectable

■Features: Straight Slot Pins for Inspection Jigs. Handle lengths are selectable. For compatible bushings, see P.1845~P.1846.

### Stepped Straight

#### ■Handle Length



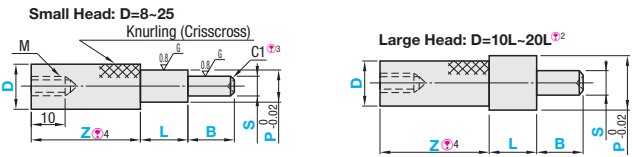
Material <sup>1)</sup>	Hardness	Type	
		S <sub>0.02</sub>	S <sub>g6</sub>
S45C Equivalent	-	KJPDZ	KJPGDZ
S45C Equivalent	45HRC~	KJPDHZ	KJPGDHZ

S	g6
2.00~ 3.00	-0.002 -0.006
3.01~ 6.00	-0.004 -0.012
6.01~10.00	-0.005 -0.014
10.01~18.00	-0.006 -0.017
18.01~30.00	-0.007 -0.020

① Handles and pins may be joined with an adhesive. Heat or strong force may cause separation.



- ① For electroless nickel plating, please specify the alteration MN.
- ② Dimensions not specified are the same as Small Head Type.
- ③ When S≤3, C is 0.5.
- ④ The joint of each step may have a relief groove (approx. 1mm wide and approx. 0.2mm deep).

Part Number	0.01mm Increment			1mm Increment		Z	M	
	Type	D	P	S(P>S)	L			B
(S45C) KJPDZ	(S45C) KJPGDZ	8	2.50~ 6.00	2.00~ 5.50	5~25 When P≤3.99, L≤Px4	5~25 When S≤2.99, B≤Sx4	M4	
		10	2.50~ 8.00	2.00~ 7.50			10*	M5
		12	2.50~10.00	2.00~ 9.50			20	M5
		16	3.50~14.00	3.00~13.50			30	M5
		20	10.00~18.00	5.00~17.00			40	M5
(S45C Hardened) KJPDHZ	(S45C Hardened) KJPGDHZ	25	15.00~23.00	8.00~22.00	(L+B≤50) For longer pins, see P.1827.		M5	
		10L	10.00~16.00	5.00~15.00			30	M5
		12L	12.00~20.00	6.00~19.00			40	M5
		16L	16.00~25.00	8.00~24.00				M5
		20L	20.00~30.00	10.00~29.00			M5	

Ordering Example: Part Number (TYPE, D) - P - S - L - B - Z  
 KJPGDZ16L - P20.25 - S16.00 - L25 - B20 - Z30

D	S <sub>0.02</sub>		S <sub>g6</sub>	
	KJPDZ	KJPDHZ	KJPGDZ	KJPGDHZ
Small Head	8			
	10			
	12			
	16			
	20			
	25			
Large Head	10L			
	12L			
	16L			
	20L			

Alterations: Part Number - P - S - L - B - Z - (CH, KH, KF-etc.)  
 KJPGDZ16 - P8.00 - S6.00 - L25 - B20 - Z30 - NMN

Alterations	Code	Spec.
Chain Alterations	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P.1862.
Additional Surface Treatment (Electroless Nickel Plating)	MN	Electroless nickel plating is applied. ① Applicable to Material S45C only. ② Combination with STC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds black oxide surface treatment. ① Applicable to Material S45C only. ② Combination with MN is not available.
P Dimension Tolerance	PKC	Changes P dimension tolerance to g6.
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension (with the character orientation arbitrary). ① Not applicable to handle length 10. ② Engraved on the reverse side when combined with KF and KHS.
Engraving of the Specified Characters	KF	Engraves alphabet or number. ① Engraving Code: KF-MISUMI0034 ② Printable Character: alphabet, number, (period) ③ Not applicable to handle length 10. ④ No symbols, such as a hyphen (-), other than those mentioned above may be used for engraving. ⑤ The pin's orientation to the pin to the engraved characters is arbitrary. ⑥ Engraved on the reverse side when combined with KH and KHS. ⑦ Up to 8 digits max. ⑧ When combining with other options, enter this last.

Alterations	Code	Spec.
L Dimension Tolerance	LKC	Changes L dimension tolerance to ±0.05. ① [Ordering Code] LKC ② When the LKC is used, 0.1mm increment can be specified for L Dimension. ③ L<30 ④ P>4
No Relief Groove	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Tapered Tip	STT	Tapers the tip. ① Applicable when L=10 and B=10. ② The length of m is included in that of B.
Engraving of S Dimension	KHS	Machines flats on knurled head and engraves S dimension. ① Not applicable to handle length 10. ② Engraved on the reverse side when KH and KF are combined.

Caution when making alterations to engraving (KH, KF, KHS)  
 If the pin and the knurled part are joined with an adhesive, 10mm of the tip is not machined flat because the tip is thin.