

Slot Pins for Inspection Components

Straight Threaded with Step, One-Step Type

■Features: Suitable when clamping a workpiece with threaded part and measuring its diameter with straight part. For applicable Bushings, see **P1847** and **P1852**.

One-Step Type



Material ^①	Hardness	Type	
		P _{S0.02}	P _{g6}
EN 1.1191 Equiv.	-	KJPM	KJPGM
EN 1.1191 Equiv.	45HRC~	KJPMH	KJPGMH
EN 1.4301 Equiv.	-	KJPMS	KJPGMS
② EN 1.4125 Equiv.	45~50HRC	KJPMC	KJPGMC

Small Head: D=8~25
③ M5 Knurling (Crisscross) 0.8 6 M
10 50 ④ L B

Large Head: D=10L~20L ⑤
50 ④ L B

① For electroless nickel plating, specify the alteration MN.
② EN 1.4125 Equiv. has an identification groove on D part.
③ When D=8, the screws of handle change from M5 to M4.
④ For shorter handle length, specify the alteration ZC.
⑤ Dimensions not specified are the same as Small Head Type.
⑥ The joint of each step may have a relief groove (approx. 1mm wide and approx. 0.2mm deep). For no relief groove, use NMN alteration.
⑦ Large Head Type (D=10L ~ 20L) is available for EN 1.1191 Equiv. only.

Part Number		0.01mm Increment		M(P≥M) Selection		1mm Increment	
Type		D	P			L	B
(P ⁰ _{-0.02})	(P _{g6})						
(EN 1.1191 Equiv.) KJPM	(EN 1.1191 Equiv.) KJPGM	8	4.00~ 6.00	3 4	0~35 (L≤Px4) When L=0, specify P as 0. (L+B≤50)	5~25 (M<B≤Mx3) For M3 (5≤B≤Mx2)	
		10	5.00~ 8.00	4 5 6 8			
		12	5.00~10.00	4 5 6 8 10 S10			
(EN 1.1191 Equiv. Hardened) KJPMH	(EN 1.1191 Equiv. Hardened) KJPGMH	16	8.00~14.00	4 5 6 8 10 S10 12			
		20	10.00~18.00	5 6 8 10 S10 12			
		25	15.00~23.00	5 6 8 10 S10 12			
(EN 1.4301 Equiv.) KJPMS	(EN 1.4301 Equiv.) KJPGMS	10L	10.00~16.00	4 5 6 8 10 S10			
		12L	12.00~20.00	5 6 8 10 S10 12			
(EN 1.4125 Equiv.) KJPMC	(EN 1.4125 Equiv.) KJPGMC	16L	16.00~25.00	6 8 10 S10 12			
		20L	20.00~30.00	6 8 10 S10 12			

① S10 is fine thread (pitch 1.25). ② KJPND, KJPND5 (previous page) are more economical when L=0.

Ordering Example: Part Number (TYPE, D) - P - M - L - B
KJPMH16 - P11.20 - M6 - L15 - B10

D	Unit Price							
	P _{S0.02}				P _{g6}			
	KJPM	KJPMH	KJPMS	KJPMC	KJPGM	KJPGMH	KJPGMS	KJPGMC
Small Head	8							
	10							
	12							
	16							
	20							
Large Head	25							
	10L		-	-			-	-
	12L		-	-			-	-
	16L		-	-			-	-
	20L		-	-			-	-

Alterations: Part Number - P - M - L - B
KJPM16 - P0 - M8 - L0 - B24 - ZC40

Alterations	Code	Spec.
Chain Alterations ⑤ ④	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P1862 .
Handle Length ⑤ ZC	ZC	Changes handle length 50 to 10, 20, 30 or 40. ① Ordering Code: ZC20 ② Handle length 10 and 20 are available only when P≥5 and pin length L+B+C ≤ 30. ③ For Large Head Type, only ZC30 and 40 are applicable. ④ For handle length 10, there is no tapped hole. ⑤ For handle length 10, combination with KH is not available.
Engraving of P Dimension ⑤	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.
Engraving of the Specified Characters MSUM0034	KF	Engraves alphabet or number. ① Ordering Code: KF-MSUM0034 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. ⑦ Up to 8 digits max.

Alterations	Code	Spec.
L Dimension Tolerance ⑤ LKC	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 ⑤ NMN	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Additional Surface Treatment (Electroless Nickel Plating) ⑤ MN	MN	Electroless nickel plating is applied. ① Applicable to Material EN 1.1191 Equiv. only. ② Combination with STC is not available.
Additional Surface Treatment (Black Oxide) ⑤ STC	STC	Adds black oxide surface treatment. ① Applicable to Material EN 1.1191 Equiv. only. ② Combination with MN is not available.

Slot Pins for Inspection Components

Straight Threaded with Step, 2-Step Type

■Features: Suitable when clamping a workpiece with threaded part and measuring its diameter with straight part. For applicable Bushings, see **P1847** and **P1852**.

2-Step Type



Material ^①	Hardness	Type	
		S _{S0.02}	S _{g6}
EN 1.1191 Equiv.	-	KJPMD	KJPGMD
EN 1.1191 Equiv.	45HRC~	KJPMDH	KJPGMDH
EN 1.4301 Equiv.	-	KJPMDS	KJPGMDS

Small Head: D=8~25
③ M5 Knurling (Crisscross) 0.8 6 M
10 50 ④ L B C

Large Head: D=10L~20L ⑤
50 ④ L B C

① For electroless nickel plating, specify the alteration MN.
② EN 1.4125 Equiv. has an identification groove on D part.
③ When D=8, the screws of handle change from M5 to M4.
④ For shorter handle length, specify the alteration ZC.
⑤ Dimensions not specified are the same as Small Head Type.
⑥ The joint of each step may have a relief groove (approx. 1mm wide and approx. 0.2mm deep). For no relief groove, use NMN alteration.
⑦ Large Head Type (D=10L ~ 20L) is available for EN 1.1191 Equiv. only.

Part Number		0.01mm Increment		0.1mm Increment		1mm Increment	
Type		D	P	S(P≥S)	M(S≥M) Selection	L	B C
(S _{S0.02})	(S _{g6})						
(EN 1.1191 Equiv.) KJPMD	(EN 1.1191 Equiv.) KJPGMD	8	4.00~ 6.00	3.0~ 5.0	3 4	1~20 (L≤Px3) When P≤10 (L≤Px2)	1~20 (B≤Sx3) When S≤9 (B≤Sx2)
		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		
(EN 1.1191 Equiv. Hardened) KJPMDH	(EN 1.1191 Equiv. Hardened) KJPGMDH	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		
(EN 1.4301 Equiv.) KJPMDS	(EN 1.4301 Equiv.) KJPGMDS	25	15.00~23.00	14.0~22.0	5 6 8 10 S10 12		5~20 (M≤C≤Mx3) When M≤5 (M≤C≤Mx2)
		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	6 8 10 S10 12		

① S10 is fine thread (pitch 1.25).

Ordering Example: Part Number (TYPE, D) - P - S - M - L - B - C
KJPMD12L - P18.50 - S13.5 - M8 - L10 - B10 - C10



For 2-Step Large Head type, first row can be used as a shoulder.

D	Unit Price					
	S _{S0.02}			S _{g6}		
	KJPMD	KJPMDH	KJPMDS	KJPGMD	KJPGMDH	KJPGMDS
Small Head	8					
	10					
	12					
	16					
	20					
Large Head	25					
	10L		-			-
	12L		-			-
	16L		-			-
	20L		-			-

Alterations: Part Number - P - S - M - L - B - C - (CH, KH, KF~etc.)
KJPMDS10 - P7.00 - S4 - M4 - L10 - B24 - C8 - MN

Alterations	Code	Spec.
Chain Alterations ⑤ ④	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P1862 .
Handle Length ⑤ ZC	ZC	Changes handle length 50 to 10, 20, 30 or 40. ① Ordering Code: ZC20 ② Handle length 10 and 20 are available only when P≥5 and pin length L+B+C ≤ 30. ③ For Large Head Type, only ZC30 and 40 are applicable. ④ For handle length 10, there is no tapped hole. ⑤ For handle length 10, combination with KH is not available.
Engraving of P Dimension ⑤	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.
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Alterations	Code	Spec.
L Dimension Tolerance ⑤ LKC	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 ⑤ NMN	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Additional Surface Treatment (Electroless Nickel Plating) ⑤ MN	MN	Electroless nickel plating is applied. ① Applicable to Material EN 1.1191 Equiv. only. ② Combination with STC is not available.
Additional Surface Treatment (Black Oxide) ⑤ STC	STC	Adds black oxide surface treatment. ① Applicable to Material EN 1.1191 Equiv. only. ② Combination with MN is not available.

