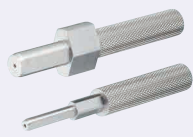


Slot Pins for Inspection Components

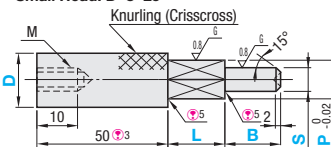
Stepped Diamond, Straight - Diamond Fixed

■Features: Diamond-shaped Inspection Pins to determine the workpiece location. For compatible bushings, see ①Round Tip (P1841~P1844) and ②D-Shape Tip (P1849).

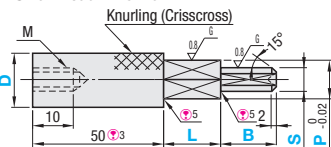
Diamond Shape Fixed



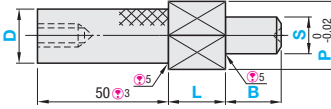
①Round Tip
Small Head: D=8~25



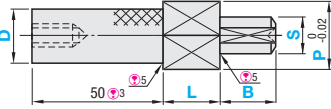
②D-Shape Tip
Small Head: D=8~25



Large Head: D=10L~20L



Large Head: D=10L~20L



① Large Head Type (D=10L ~ 20L) is available for S45C only.

② For electroless nickel plating, specify the alteration MN.

③ For shorter handle length, specify the alteration ZC.

④ Dimensions not specified are the same as Small Head Type.

⑤ There is a relief groove that is approx. 1 mm wide (approx. 0.2 mm deep).

⑥ $K \geq (S + 0.3)$
 $K = \sqrt{P^2 - W^2} \sin 30^\circ + W \cos 30^\circ$
Reference: $\sin 30^\circ = 0.5$
 $\cos 30^\circ \approx 0.866$

Material

Hardness

①Round Tip Type

②D-Shape Tip Type

S

g6

S45C Equivalent

-

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

3.00

-0.002

S45C Equivalent

45HRC~

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

3.01~ 6.00

-0.004

SUS304

-

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

6.01~10.00

-0.005

SUS440C Equivalent

45~50HRC

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

10.01~18.00

-0.006

SUS440C Equivalent

45~50HRC

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

18.01~29.00

-0.007

RoHS 10

Part Number				0.01mm Increment			0.1mm Increment	1mm Increment		(W)	M			
①Round Tip		②D-Shape Tip		D	P	S(P>S)	F(F<S/2)	L	B					
(S ^{0.02})	(S ₉₀)	(S ^{0.02} /F ^{0.05})	(S ₉₀ /F ^{0.05})				②D-Shape Tip only							
(S45C) KJPGDKM	(S45C) KJPGDKM (S45C Hardened) KJPGDKMH (SUS304) KJPGDKMS	(S45C) KJPDK (S45C Hardened) KJPGDHK (SUS304) KJPGDKS (SUS440C) KJPGDKC	8	4.00~ 6.00	3.00~ 5.00	0.3~ 2.0	5~10	5~15	2	M4				
			10	4.00~ 8.00	3.00~ 7.00	0.3~ 3.0			2	M5				
			12	6.00~10.00	3.00~ 9.00	0.3~ 4.0			3	M5				
			16	8.00~14.00	3.00~13.00	0.5~ 6.0			4	M5				
			20	12.00~18.00	5.00~17.00	1.0~ 8.0			6	M5				
			25	16.00~23.00	8.00~22.00	2.0~10.0			8	M5				
			10L	10.00~16.00	5.00~15.00	1.0~ 7.0			4	M5				
			12L	12.00~20.00	6.00~19.00	2.0~ 9.0			6	M5				
			16L	16.00~25.00	8.00~24.00	2.0~11.0			8	M5				
			20L	20.00~30.00	10.00~29.00	2.0~14.0			8	M5				

① Please select S dimension so that S section is smaller than the diamond section.

Ordering Example

Part Number (TYPE, D) - P - S - F - L - B

KJPDK12L - P16.00 - S6.00 - F2.2 - L10 - B10

D	①Round Tip Unit Price				②D-Shape Tip Unit Price					
	S _{0.02}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}
Small Head	8									
	10									
	12									
	16									
	20									
Large Head	10L									
	12L									
	16L									
	20L									
	25L									

Alterations

Part Number - P - S - F - L - B - (CH, KH, PKC--etc.)

KJPDK12 - P16.00 - S6.00 - F2.2 - L10 - B10 - CH

KJPDK20 - P17.00 - S10 - L15 - B20 - ZC10

Alterations	Code	Spec.
Chain Alterations Chain Alterations 04	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P1862.
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.
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension. for SUS304 (with the character orientation arbitrary). ① Not applicable to handle length 10.

Alterations	Code	Spec.
P Dimension Tolerance PKC	PKC	Changes P dimension tolerance to g6.
No Relief Groove NMN	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Handle Length ZC	ZC	Changes handle length 50 to 10, 20, 30 or 40. ① Handle length 10 and 20 are available only when P≥5 and pin length (L+B) ≤ 30. ② For Large Head Type, only ZC30 and 40 are applicable. ③ For handle length 10, there is no tapped hole. ④ For handle length 10, combination with KH is not available.

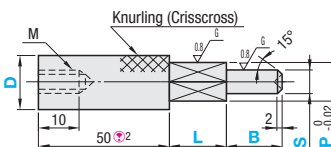
Slot Pins for Inspection Components

Stepped Diamond, Straight - Diamond Configurable

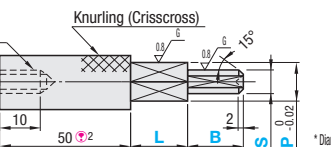
Diamond Shape Configurable



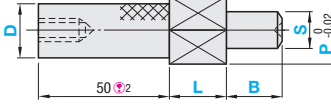
①Round Tip
Small Head: D=8~25



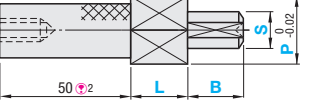
②D-Shape Tip
Small Head: D=8~25



Large Head: D=10L~20L



Large Head: D=10L~20L



① For electroless nickel plating, specify the alteration MN.

② For shorter handle length, specify the alteration ZC.

③ Dimensions not specified are the same as Small Head Type.

④ 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.

⑤ Large Head Type (D=10L ~ 20L) is available for S45C only.

Material

Hardness

①Round Tip Type

②D-Shape Tip Type

S

g6

S45C Equivalent

-

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

3.00

-0.002

S45C Equivalent

45HRC~

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

3.01~ 6.00

-0.004

SUS304

-

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

6.01~10.00

-0.005

SUS440C Equivalent

45~50HRC

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

10.01~18.00

-0.006

SUS440C Equivalent

45~50HRC

S_{0.02}

S_{0.02}/F_{0.05}

S_{0.02}

S_{0.02}/F_{0.05}

18.01~28.00

-0.007

RoHS 10

Part Number				0.01mm Increment			0.1mm Increment	1mm Increment		0.1mm Increment	0.5mm Increment	M		
①Round Tip		②D-Shape Tip		D	P	S(P-1≥S)	F(F<S/2) ②For D-Shape Tip only	L	B	V P>V V2S+1	W(V>W)			
(S ^{0.02})	(S _{ge})	(S ^{0.02} /F ^{0.05})	(S _{ge} /F ^{0.05})											
(S45C) KJPVM	(S45C) KJPGVM	(S45C) KJPV	(S45C) KJPGV	8	4.00~ 6.00	3.00~ 4.00	0.3~ 2.0	5~10	5~15	4.0~ 5.0	1.0~ 4.5	M4		
				10	4.00~ 8.00	3.00~ 6.00	0.3~ 3.0	5~25	5~25	4.0~ 7.0	1.0~ 6.5	M5		
				12	4.00~10.00	3.00~ 8.00	0.3~ 4.0			4.0~ 9.0	1.0~ 8.5	M5		
				16	8.00~14.00	3.00~12.00	0.5~ 6.0			4.0~13.0	1.0~12.5	M5		
				20	10.00~18.00	5.00~16.00	1.0~ 8.0			6.0~17.0	1.0~16.5	M5		
				25	15.00~23.00	8.00~21.00	2.0~10.0			9.0~22.0	1.0~21.5	M5		
				10L	10.00~16.00	5.00~14.00	1.0~ 7.0			6.0~15.0	1.0~14.5	M5		
				12L	12.00~20.00	6.00~18.00	2.0~ 9.0			7.0~19.0	1.0~18.5	M5		
				16L	16.00~25.00	8.00~23.00	2.0~11.0			9.0~24.0	1.0~23.5	M5		
				20L	20.00~30.00	10.00~28.00	2.0~14.0			11.0~29.0	1.0~28.5	M5		

① Please select V, W and S dimensions so that S dimension is smaller than the diamond section.

Ordering Example

Part Number (TYPE, D) - P - S - F - L - B - V - W

KJPMV16 - P8.00 - S4.00 - F1.0 - L10 - B10 - V7.0 - W5.0

D	①Round Tip Unit Price				②D-Shape Tip Unit Price					
	S _{0.02}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}	S _{0.02} /F _{0.05}
Small Head	8									
	10									
	12									
	16									
	20									
Large Head	10L									
	12L									
	16L									
	20L									
	25L									

Alterations

Part Number - P - S - F - L - B - V - W - (CH, KH, PKC--etc.)

KJPMV16 - P8.00 - S4.00 - F1.0 - L10 - B10 - V7.0 - W5.0 - CH

KJPMV20 - P16.55 - S10.00 - L7 - B7 - V12.2 - W1.0 - ZC30

Alterations	Code	Spec.
Chain Alterations Chain Alterations 04	CH	Loss-proof chain (length 600mm) is attached to gauge body. ① For chains only, see P1862.
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.
Engraving of P Dimension	KH	Machines flats on knurled head and engraves P dimension. for SUS304 (with the character orientation arbitrary). ① Not applicable to handle length 10.

Alterations	Code	Spec.
P Dimension Tolerance PKC	PKC	Changes P dimension tolerance to g6.
No Relief Groove NMN	NMN	Omits the relief groove between knurled part and straight part on the step. ① Not applicable to Large Head Type.
Handle Length ZC	ZC	Changes handle length 50 to 10, 20, 30 or 40. ① Handle length 10 and 20 are available only when P≥5 and pin length (L+B) ≤ 30. ② For Large Head Type, only ZC30 and 40 are applicable. ③ For handle length 10, there is no tapped hole. ④ For handle length 10, combination with KH is not available.