

Slot Pins for Inspection Jigs

Oval Straight

Feature: Oval Straight / Stepped Slot Pins for Inspection Jigs.

Applicable Bushings: (1) For Standard Type, see P.1832, (2) For Stepped Type, see P.1831

Slot Pins for Inspection Jigs - Oval Straight

Alteration ZC

RoHS 10

Material	Hardness	(1) Standard		(2) Stepped	
		Type	Material Code	Type	Material Code
1045 Carbon Steel or Equivalent	—	KJP	SC	S ^{0.02} / F ^{0.05}	DC
1045 Carbon Steel or Equivalent	45 HRC min.		SHC		DHC
304 Stainless Steel	—		SCS		DCS
① 440C or 420 Stainless Steel	45-50 HRC min.		SCC		DCC

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

(1) Standard Small Head: D=8-25

(2) Stepped Small Head: D=8-25

Large Head: D=10L-20L ③

① 440C or 420 Stainless Steel has an identification groove on D part. ② Centering hole may remain on tip; depending on the diameter and the length. ③ Depending on diameter, the hardness of 1045 Carbon Steel or Equivalent hardening material may be less than 45 HRC.

Select Type, Material Code & D Dimension

PartNumber		0.01 mm Increment			0.1 mm Increment	1 mm Increment		M		
(1) Standard	(2) Stepped	D	P	W	S	F	L			
KJP	SC SHC SCS SCC	S ^{0.02} / F ^{0.05} KJP	DC DHC DCS DCC	8	4.00-6.00	P>W>S W≥3.01	3.00-5.00	0.3-2.5	Standard 5-30*1	M4
				10	4.00-8.00		3.00-7.00	0.3-3.5		
				12	4.00-10.00		3.00-9.00	0.5-4.5		
				16	6.00-14.00		4.00-13.00	0.5-6.5		
				20	10.00-18.00		6.00-17.00	1.0-8.5		
				25	14.00-22.00		8.00-21.00	2.0-10.5		
				10L	10.00-16.00		5.00-15.00	1.0-7.5		
	12L	12.00-20.00	6.00-19.00	2.0-9.5						
	16L	16.00-25.00	8.00-24.00	2.0-12.0						
	20L	20.00-30.00	10.00-29.00	2.0-14.5						

① Large Head Type (D=10L-20L) is only available for 1045 Carbon Steel or Equivalent. ② When the S dimension tolerance is g6, D-Shaped section cannot be made very thin. (S≥5.00 F≥1.0; F≥1.5 when D=20) *1 L=21-30 is available only when the following conditions are all met: Material: 1045 Carbon Steel or Equivalent Handle Dia. D≥10, Pin Dia.: P; W≥5

Part Number Example

Part Number: KJP DC 16 - P10.97 - W8.47 - S6.00 - F2.0 - L5 - B10

D	1Standard - Available Types				2Stepped - Available Types			
	L dimension 20 or Less		L dimension 21 or More		S ^{0.02} /F ^{0.05}		S _{g6} /F _{0.05}	
Small Head	8	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	10	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	12	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	16	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	20	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
Large Head	10L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	12L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	16L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC

Part Number Alterations

Part Number: KJPDC12 - P8.50 - W4.50 - S3.50 - F1.2 - L5 - B10 - CH

Alterations: KJPSC20 - P10.00 - W5.00 - L10 - B10 - ZC20

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 or W Dimension	KH	Machines flats on knurled head and engraves P and W dimension. ① Not applicable to handle length 10.
Handle Length	ZC	Changes handle length 50 to 20, 30 or 40. Ordering Code: ZC20 ① Handle Diameter D≥10, Pin Length (L or L+B)≤20, Pin Diameter P≥6, W, S≥5 S/2+F≥4.5 Applicable only when above conditions are all met.
P, W Dimension Tolerance	PKC	Changes P and W dimension tolerance to g6. ① Combination with GN is not available.
No Polish on Pin	GN	No polishing on pin part. (Maintaining roughness 1.6) ① Combination with PKC is not available. ② Not applicable to Sg6 type.

Slot Pins for Inspection Jigs

Square Straight

Feature: Square Straight / Stepped Slot Pins for Inspection Jigs.

Applicable Bushings: (1) For Standard Type, see P.1833, (2) For Stepped Type, see P.1831

Slot Pins for Inspection Jigs - Square Straight

Alteration ZC

RoHS 10

Material	Hardness	(1) Standard		(2) Stepped	
		Type	Material Code	Type	Material Code
1045 Carbon Steel or Equivalent	—	KJP	SR	S ^{0.02} / F ^{0.05}	DR
1045 Carbon Steel or Equivalent	45 HRC min.		SHR		DHR
304 Stainless Steel	—		—		DRS
① 440C or 420 Stainless Steel	45-50 HRC min.		—		—

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

(1) Standard Small Head: D=8-25

(2) Stepped Small Head: D=8-25

Large Head: D=10L-20L ③

① For shorter handle length, please refer to the alteration ZC. ② $K = \sqrt{(P-2R)^2 + (W-2R)^2} + 2R$ ③ Dimensions not specified are same as Small Head Type.

① Centering hole may remain on tip; depending on the diameter and the length. ② Depending on diameter, the hardness of 1045 Carbon Steel or Equivalent hardening material may be less than 45 HRC.

Select Type, Material Code and D Dimension.

Part Number		0.01mm Increment			0.1 mm Increment	1 mm Increment		M		
(1) Standard	(2) Stepped	D	P	W	S	F	L			
KJP	SR SHR	S ^{0.02} / F ^{0.05} KJ5P	DR DHR DRS	8	4.00-6.00	P>W>S W≥3.01	3.00-5.00	0.3-2.5	Standard 5-30*1	M4
				10	4.00-8.00		3.00-7.00	0.3-3.5		
				12	4.00-10.00		3.00-9.00	0.5-4.5		
				16	6.00-14.00		4.00-13.00	0.5-6.5		
				20	10.00-18.00		6.00-17.00	1.0-8.5		
				25	12.00-22.00		8.00-21.00	2.0-10.5		
				10L	8.00-16.00		5.00-15.00	1.0-7.5		
	12L	10.00-20.00	6.00-19.00	2.0-9.5						
	16L	16.00-25.00	8.00-24.00	2.0-12.0						
	20L	20.00-30.00	10.00-29.00	2.0-14.5						

① Large Head Type (D=10L-20L) is only available for 1045 Carbon Steel or Equivalent. ② When the S dimension tolerance is g6, D-Shaped section cannot be made very thin. (S≥5.00 F≥1.0; F≥1.5 when D=20) ③ For Small Head: K≤D-2; for Large Head: K≤Pmax *1 L=21-30 is available only when the following conditions are all met: Material: 1045 Carbon Steel or Equivalent Handle Dia. D≥10, Pin Dia.: P; W≥5

Part Number Example

Part Number: KJP DR 16 - P10.97 - W8.57 - R0.5 - S6.00 - F2.0 - L5 - B10

D	1Standard - Available Types				2Stepped - Available Types			
	L dimension 20 or Less		L dimension 21 or More		S ^{0.02} /F ^{0.05}		S _{g6} /F _{0.05}	
Small Head	8	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	10	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	12	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	16	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	20	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
Large Head	10L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	12L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC
	16L	KJPSC	KJPSC	KJPSC	KJPDC	KJPDC	KJPDC	KJPDC

Part Number Alterations

Part Number: KJPDR12 - P8.50 - W7.50 - R0.5 - S6.00 - F1.5 - L5 - B10 - CH

Alterations: KJPDR16 - P13.75 - W6.00 - R1.0 - L20 - B10 - ZC30

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 or W Dimension	KH	Machines flats on knurled head and engraves P and W dimension. ① Not applicable to handle length 10.
Handle Length	ZC	Changes handle length 50 to 20, 30 or 40. Ordering Code: ZC20 ① Handle Diameter D≥10, Pin Length (L or L+B)≤20, Pin Diameter P, W, S≥5 S/2+F≥4.5 Applicable only when above conditions are all met.
P, W Dimension Tolerance	PKC	Changes P and W dimension tolerance to g6. ① Combination with GN is not available.
No Polish on Pin	GN	No polishing on pin part. (Maintaining Roughness 1.6) ① Combination with PKC is not available. ② Not applicable to Sg6 type.