

Locating Pins - Shouldered

Set Screw

Material
① 01 Tool Steel

Surface Treatment
-

Hardness
Treated Hardness: 60~63HRC

Type
Circumference Groove: JPGJ
Notch: JPCJ
Set Screw Flat: JPDJ

Shape Code
S (Round)
D (Diamond)

Notch Shape
Select set screw position X or Y for Notched Diamond Type and Set Screw Flat Diamond Type.

Set Screw Flat Shape
L > A + G + 1

Circumference Groove Shape

Type	Shape Code	D	D Tolerance μm	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	d	ℓ_1	ℓ_2	C1	m	H	(W)		
													When D < P	When D \geq P	
JPGJ	S (Round) D (Diamond)	6	-0.004	2.00-6.00	3-12	2.0-20.0	4.5	5	5	1	3	8	3	1.5	
		6S	-0.012		2-12										
		8	-0.005	3.00-8.00	4-16	3.0-20.0	6.5	6	6	1.5	0.5	4	11	3.5	1.8
		8S													
		10	-0.014	3.00-10.00	5-20	3.0-20.0	8	8	8	2	0.5	5	13	4	2.2
		10S													
		12	-0.006	5.00-12.00	6-24	5.0-20.0	10	10	8	2	0.5	5	15	5	2.5
		12S													
		16	-0.017	10.00-16.00	8-32	5.0-20.0	14	4	8	3	0.5	5	19	7	4
		16S													
20	-0.020	13.00-20.00	10-40		18	8	3				23	9	5		

* Pins of D dimension with S are for limited space with shorter mounting parts (L and ℓ_1). (Actual D dimension is the number without "S".)

Notch Shape / Set Screw Flat Shape

Type	Shape Code	D	D Tolerance μm	P 0.01mm Increment	L 1mm Increment	B 0.1mm Increment	G 1mm Increment	A 0.1mm Increment	Flat Position	ℓ_3	ℓ_4	h	c	m	H	Applicable Set Screw	(W)											
																	When D < P	When D \geq P										
JPCJ	S (Round) D (Diamond)	6	-0.012	5.00-7.00	12-20	5.0-20.0	3-9	2.0-8.0	X Y	Diamond Applicable to Diamond Shape Type only.	5.5	2.5	1.0	1	3	8	M4	3	1.5									
		8	-0.005	5.00-9.00	14-22	5.0-20.0														7.5	3.5	1.2	1.5	4	11	M5	3.5	1.8
		10	-0.014	5.00-11.00	15-25	5.0-20.0														7.5	3.5	1.2	2	4	13	M6	4	2.2
		12	-0.006	5.00-12.00	15-25	5.0-20.0														7.5	3.5	1.2	2	4	15	M6	5	2.5
		16	-0.017	10.00-16.00	24-35	5.0-20.0														10.5	5.5	2.0	3	5	19	M8	7	4
		20	-0.020	13.00-20.00	27-40	5.0-20.0														13.5	8.5	2.0	3	5	23	M8	9	5

* Applicable set screws in the table are the recommended sizes for Notch Shape.

Ordering Example: Part Number - P - L - B - G - A - Flat Position Days to Ship

JPGJS10 - P9.05 - L6 - B3.5 - G5 - A8.2 - X

JPCJD8 - P5.05 - L20 - B10.1 - G5 - A8.2 - X

Configure Online

Price Configure Online

Circumference Groove Shape

D	Unit Price Round Shape	Unit Price Diamond Shape
6	①01 Tool Steel Hardened JPGJS	①01 Tool Steel Hardened JPGJD
6S		
8		
8S		
10		
10S		
12		
12S		
16		
16S		
20		

Notch Shape

D	Unit Price Round Shape	Unit Price Diamond Shape
6	①01 Tool Steel Hardened JPCJS	①01 Tool Steel Hardened JPCJD
8		
10		
12		
16		
20		

Set Screw Flat Shape

D	Unit Price Round Shape	Unit Price Diamond Shape
6	①01 Tool Steel Hardened JPDJS	①01 Tool Steel Hardened JPDJD
8		
10		
12		
16		
20		

Locating Pins - Shouldered

Tip Shape Selectable

Material
① 01 Tool Steel

Surface Treatment
-

Hardness
Treated Hardness: 55~60HRC

Type
LP (Round)
LPD (Diamond)

Mounting Shape
M (Standard)
U (Tapped)
X (Threaded)

Material Code
J ①01 Tool Steel
G ②01 Tool Steel
Y ③1045 Carbon Steel
B ④1045 Carbon Steel
R ⑤1045 Carbon Steel
S ⑥304 Stainless Steel
D ⑦304 Stainless Steel
C ⑧440C or 420 Stainless Steel

Tip Shape Selectable
A Shape
B Shape
C Shape

Mounting Shape Selection
M Shape (Standard)
U Shape (Tapped)
X Shape (Threaded)

Part Number
Type: LP (Round), LPD (Diamond)
Mounting Shape: M (Standard), U (Tapped), X (Threaded)
Material Code: J, G, Y, B, R, S, D, C
Tip Shape: A, B, C

Type	Mounting Shape	Material Code	Tip Shape	D	P 0.01mm Increment	B 0.1mm Increment	R 1mm Increment	G 1mm Increment	L 1mm Increment	T 0.5mm Increment
LP (Round) LPD (Diamond)	M (Standard) U (Tapped) X (Threaded)	J G Y B R S D C	A B C	2	2.50-4.00	2.0-25.0	A Shape, C Shape only	B Shape only	2-6	1.0-10.0
				3	3.50-6.00	2.0-25.0(10.0)			3-6	
				4	3.50-7.00	2.0-25.0(10.0)			4-8	
				5	4.00-8.00	2.0-30.0(10.0)			5-10	
				6	5.00-10.00	2.0-40.0(12.0)			6(10)-12	
				8	6.00-11.00	2.0-40.0(15.0)			8(14)-16	
				10	8.00-13.00	3.0-50.0(20.0)			10(14)-20	
				12	10.00-15.00	3.0-50.0(20.0)			12(14)-24	
				16	13.00-18.00	5.0-50.0(20.0)			16-32	
				20	16.00-22.00	5.0-50.0(20.0)			20-40	

* B dimensions in () and L dimensions in () are for Diamond Shape.

Price Configure Online

Ordering Example: Part Number - P - B - R - G - L - T

LP U J B 8 - P10.00 - B10.0 - G8 - L14 - T2.0

LPD X J A 10 - P11.98 - B5.0 - R10 - L10 - T5.0

Days to Ship Configure Online

D	Round Shape Unit Price								Diamond Shape Unit Price							
	①01 Tool Steel Hardened LPMJ	②01 Tool Steel Hardened LPMG	③1045 Carbon Steel LPMY	④1045 Carbon Steel Black Oxide LPMB	⑤Hard 1045 Carbon Steel LPMR	⑥304 Stainless Steel LPMs	⑦Hard 304 Stainless Steel LPMd	⑧440C or 420 Stainless Steel LPMC	①01 Tool Steel Hardened LPDMJ	②01 Tool Steel Hardened LPDMG	③1045 Carbon Steel LPDMY	④1045 Carbon Steel Black Oxide LPDMB	⑤Hard 1045 Carbon Steel LPDMR	⑥304 Stainless Steel LPDMs	⑦Hard 304 Stainless Steel LPDMd	⑧440C or 420 Stainless Steel LPDMC
2																
3																
4																
5																
6																
8																
10																
12																
16																
20																

Alterations: Part Number - P - B - R - G - L - T - (HC, LAC, LTE) Configure Online

LPMJA6 - P10.00 - B10.0 - R6 - L6 - T3.0 - LAC

Alterations	Wrench Flats Alteration	Wrench Hole (Ø3.5)	Wrench Hole (Ø2.5)
Code	HC	LAC	LTE
Spec.	HC=0.5mm Increment HC>D HC>P Ordering Code HC10.0	Adds a Ø3.5 hole. Applicable when B \geq 10, P \geq 8. Not applicable to Diamond Shape.	Adds a Ø2.5 hole. Applicable when B \geq 8, 7 \leq P \leq 15. Not applicable to Diamond Shape.
Price Adder			