

Bushings for Inspection Components

Stepped and Threaded for Straight Pins

Bushings for Inspection Components

Stepped and Threaded for Taper Pins

For compatible Pins, see **P.1829** and **P.1839** (Straight).

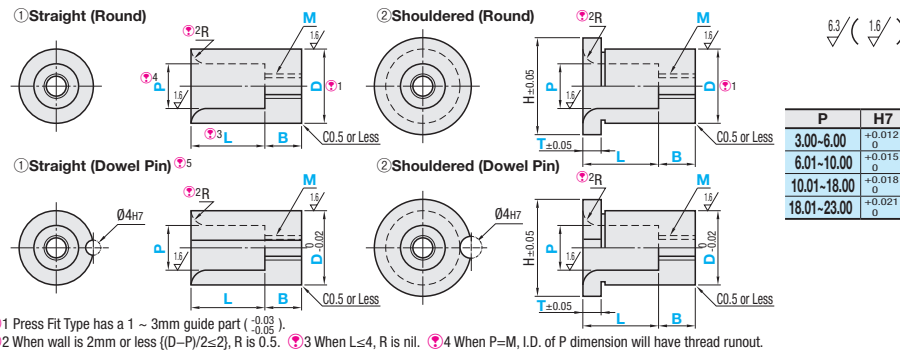
For Straight



Straight Type with Shoulder



Material	Hardness	Surface Treatment	Fixing Method	Type							
				Straight				Shouldered			
				Round		Dowel Pin		Round		Dowel Pin	
SKS93 Equivalent	50-60HRC	-	Standard	KJBM	KJBHM	KJBKM	KJBKHM	KJBMT	KJBHMT	KJBKMT	KJBKHTM
SKS93 Equivalent	50-60HRC	Electroless Nickel Plating	Press Fit	KJBPM	KJBPHM	-	-	KJBPM	KJBPHM	-	-
SUS304*6	-	-	Standard	KJBMS	KJBHMS	KJBKMS	KJBKHTM	KJBMTS	KJBHMTS	-	-
SUS400 or 130 stainless	45-50HRC	-	Press Fit	KJBMM	KJBPHM	-	-	KJBMTS	KJBHMTS	-	-
			Standard	KJBM	KJBHM	-	-	KJBMT	KJBHMT	-	-



1 Press Fit Type has a 1 ~ 3mm guide part (-0.03 to -0.05).
 2 When wall is 2mm or less ($(D-P)/2 \leq 2$), R is 0.5. 3 When $L \leq 4$, R is nil. 4 When $P=M$, I.D. of P dimension will have thread runoff.

RoHS10

Part Number	Type								Shouldered Type only							
	Straight				Shouldered				D	P	M (P≥M)	L	B	T	H	R
	Round	Dowel Pin	Round	Dowel Pin	Round	Dowel Pin	Round	Dowel Pin								
KJBM	KJBHM	KJBKM	KJBKHM	KJBMT	KJBHMT	KJBKMT	KJBKHTM	8	3.00-6.00	3 4	0	5-25	2	D+4	1.0	
KJBPM	KJBPHM	-	-	KJBPM	KJBPHM	-	-	10	4.00-8.00	4 5 6 8	0	(M≤B≤Mx3)	3	D+4	2.0	
KJBMM	KJBPHM	-	-	-	-	-	-	12	4.00-10.00	4 5 6 8 10	0	(M≤B≤Mx3)	3	D+4	2.0	
KJBMS	KJBHMS	KJBKMS	KJBKHTM	KJBMTS	KJBHMTS	-	-	16	8.00-14.00	5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0	
KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-	20	10.00-18.00	5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0	
KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-	25	15.00-23.00	5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0	

5. For Straight Dowel Pin Type, there must be a 1mm or greater wall thickness between I.D. and dowel hole ($(D-P)/2 \geq 3$). 6. For SUS304, there must be a 2mm or greater wall thickness ($(D-P)/2 \geq 3$).

Ordering Example: Part Number **KJBM12** - P300 - M5 - L10 - B10 - T2

D	① Straight Type Unit Price							
	Round				Dowel Pin			
8	KJBM	KJBHM	KJBKM	KJBKHM	KJBMT	KJBHMT	KJBKMT	KJBKHTM
10	KJBPM	KJBPHM	-	-	KJBPM	KJBPHM	-	-
12	KJBMM	KJBPHM	-	-	-	-	-	-
16	KJBMS	KJBHMS	KJBKMS	KJBKHTM	KJBMTS	KJBHMTS	-	-
20	KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-
25	KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-

D	② Shouldered Unit Price							
	Round				Dowel Pin			
8	KJBMT	KJBHMT	KJBKMT	KJBKHTM	KJBMT	KJBHMT	KJBKMT	KJBKHTM
10	KJBPM	KJBPHM	-	-	KJBPM	KJBPHM	-	-
12	KJBMM	KJBPHM	-	-	-	-	-	-
16	KJBMS	KJBHMS	KJBKMS	KJBKHTM	KJBMTS	KJBHMTS	-	-
20	KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-
25	KJBM	KJBHM	-	-	KJBMTS	KJBHMTS	-	-

Alterations Part Number **KJBM12** - P300 - M5 - L10 - B10 - T2 - (FC, PKC, NC-etc.)

Alterations	Code	Spec.
Groove Alterations (for Adhesive Reservoir)	FC	Adds an adhesive reservoir groove. D≥P+3; Applicable only when a wall of 1.5mm or thicker is remaining. Applicable when L+B≥10 for Straight Type, L+B≥15 for Shouldered Type.
Groove Alterations (For retaining)	NC	Adds groove for retaining. D≥P+3; Applicable only when a wall of 1.5mm or thicker is remaining. Applicable when L+B≥10 for Straight Type, L+B≥15 for Shouldered Type.
Bore I.D. R C Chamfered	RN	Adds C Chamfering (0.5 or less) to R.
Bore I.D. R Square Corner	CRN	Replaces R with square corner. Edge may be burred. Combination with TKC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds black oxide surface treatment. Applicable only to material SKS93 (except electroless nickel plating).
Shoulder Thickness Tolerance	TKC	Changes shoulder thickness tolerance to ±0.01. Applicable to Shouldered Type only. Combination with alteration CRN is not available.
Flats Machining Alterations	HT	Adds a flat on bushing. Applicable to Round Type only. No flat on shoulder part.

For compatible Pins, see **P.1835** and **P.1839** (Tapered Type).

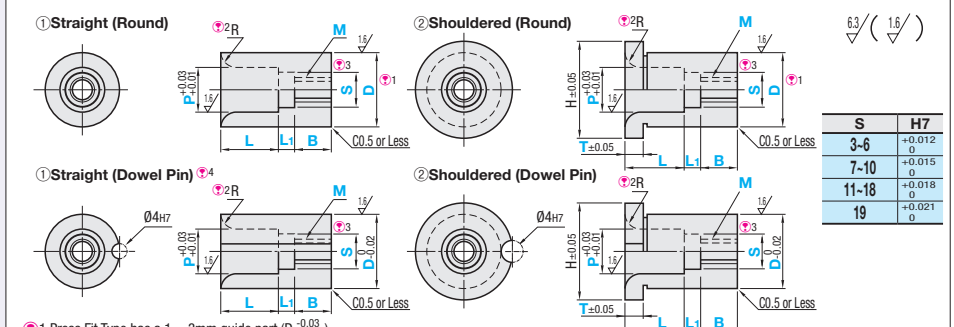
For Tapered (Round)



Tapered Type with Shoulder (Dowel Pin)



Material	Hardness	Surface Treatment	Fixing Method	Type							
				Straight				Shouldered			
				Round		Dowel Pin		Round		Dowel Pin	
SKS93	50-60HRC	-	Standard	KJBW	KJBHW	KJBKW	KJBHTW	KJBWT	KJBHTW	KJBKTW	KJBKHTW
SKS93 Equivalent	50-60HRC	Electroless Nickel Plating	Press Fit	KJBWP	KJBPHW	-	-	KJBPTW	KJBPHTW	-	-
SKS93 Equivalent	50-60HRC	-	Standard	KJBWM	KJBHWM	-	-	-	-	-	-



1 Press Fit Type has a 1 ~ 3mm guide part (-0.03 to -0.05).
 2 When wall is 2mm or less ($(D-P)/2 \leq 2$), R is 0.5. 3 When $S=M$, I.D. of S dimension will have thread runoff.

RoHS10

Part Number	Type								Shouldered Type only									
	Straight				Shouldered				D	P	S (S≤P-1)	M	L	L1	B	T	H	R
	Round	Dowel Pin	Round	Dowel Pin	Round	Dowel Pin	Round	Dowel Pin										
KJBW	KJBHW	KJBKW	KJBHTW	KJBWT	KJBHTW	KJBKTW	KJBKHTW	8	4.00-6.00	3-5	3 4	0	5-25	2	D+4	1.0		
KJBWP	KJBPHW	-	-	KJBPTW	KJBPHTW	-	-	10	5.00-8.00	4-7	4 5 6	0	(M≤B≤Mx3)	3	D+4	2.0		
KJBWM	KJBHWM	-	-	-	-	-	-	12	5.00-10.00	4-9	4 5 6 8	0	(M≤B≤Mx3)	3	D+4	2.0		
								16	8.00-14.00	4-13	4 5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0		
								20	10.00-18.00	6-17	4 5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0		
								25	15.00-23.00	8-19	4 5 6 8 10 12	0	(M≤B≤Mx2)	5	D+4	2.0		

4. For Straight Dowel Pin Type, there must be a 1mm or greater wall thickness between I.D. and dowel hole ($(D-P)/2 \geq 3$).

Ordering Example: Part Number **KJBWT10** - P300 - S5 - M4 - L8 - 4 - B10 - T2

D	① Straight Unit Price				② Shouldered Unit Price			
	Round		Dowel Pin		Round		Dowel Pin	
8	KJBW	KJBHW	KJBKW	KJBHTW	KJBWT	KJBHTW	KJBKTW	KJBKHTW
10	KJBWP	KJBPHW	-	-	KJBPTW	KJBPHTW	-	-
12	KJBWM	KJBHWM	-	-	-	-	-	-
16	KJBWS	KJBHWS	KJBKWS	KJBKHTW	KJBWTS	KJBHWTW	-	-
20	KJBWM	KJBHWM	-	-	KJBWTS	KJBHWTW	-	-
25	KJBWM	KJBHWM	-	-	KJBWTS	KJBHWTW	-	-

Alterations Part Number **KJBW12** - P300 - S6 - M5 - L10 - 4 - B10 - FC

Alterations	Code	Spec.
Groove Alterations (for Adhesive Reservoir)	FC	Adds an adhesive reservoir groove. D≥P+3; Applicable only when a wall of 1.5mm or thicker is remaining. Applicable when L+B≥10 for Straight Type, L+B≥15 for Shouldered Type.
Groove Alterations (For retaining)	NC	Adds groove for retaining. D≥P+3; Applicable only when a wall of 1.5mm or thicker is remaining. Applicable when L+B≥10 for Straight Type, L+B≥15 for Shouldered Type.
Bore I.D. R C Chamfered	RN	Adds C Chamfering (0.5 or less) to R.
Bore I.D. R Square Corner	CRN	Replaces R with square corner. Edge may be burred. Combination with TKC is not available.
Additional Surface Treatment (Black Oxide)	STC	Adds black oxide surface treatment. Applicable only to material SKS93 (except electroless nickel plating).
Shoulder Thickness Tolerance	TKC	Changes shoulder thickness tolerance to ±0.01. Applicable to Shouldered Type only. Combination with alteration CRN is not available.
Flats Machining Alterations	HT	Adds a flat on bushing. Applicable to Round Type only. No flat on shoulder part.