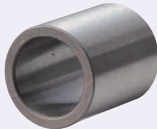


Bushings for Inspection Components

Straight (Standard, Press Fit Type)

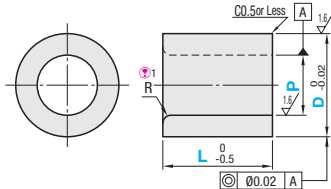
For compatible Pins, see P1819~P1820 and P1840.

Standard Type



RoHS 10

Material	Hardness	Surface Treatment	Type			
			P, L Selectable		P, L Configurable	
			P ^{+0.03 -0.01}	PH7	P ^{+0.03 -0.01}	PH7
JIS-SKS93 Equiv. (Raw Material)	-	-	-	-	KJBNS	KJBHSN
JIS-SKS93 Equiv.	50~60HRC	-	KJBA	KJBHA	KJBS	KJBHS
JIS-SKS93 Equiv.	50~60HRC	Electroless Nickel Plating	-	-	KJBMS	KJBHSM
EN 1.4301 Equiv. ^{1,2}	-	-	-	-	KJBSS	KJBHSS
EN 1.4125 Equiv.	45~50HRC	-	-	-	KJBSSC	KJBHSSC



P	H7
2.00~3.00	+0.001 0
3.01~6.00	+0.012 0
6.01~10.00	+0.015 0
10.01~18.00	+0.018 0
18.01~30.00	+0.021 0
30.01~32.00	+0.025 0

1. When wall is 2mm or less ((D-P)/2≤2), R is 0.5.

P, L Selectable

Part Number Type	D	P Selection	L Selection	R	Unit Price
(P ^{+0.03 -0.01}) KJBA	10	3	10	1.0	
		4	10 15	1.0	
		5	10 15	1.0	
		6	10 15	0.5	
	12	8	15	0.5	
		6	15	2.0	
		8	15 20	0.5	
		10	15	0.5	
	16	10	15 20	2.0	
		12	15 20	0.5	

Part Number Type	D	P Selection	L Selection	R	Unit Price
(PH7) KJBHA	10	4	10 15	1.0	
		5	15	1.0	
		6	15	0.5	
	12	6	15	2.0	
		8	15 20	0.5	
		8	20	2.0	
	16	10	15 20	2.0	
		13	20 25	0.5	

P, L Configurable P Dimension Tolerance

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	R	Unit Price				
					KJBNS	KJBS	KJBMS	KJBSS	KJBSSC
(JIS-SKS93 Equiv. Raw Material) KJBNS	8	2.00~ 6.00	5~40 When P<5 L≤Px4 When P≥5 L≤Px3	1.0					
	10	2.00~ 8.00		1.0					
(JIS-SKS93 Equiv. Hardened) KJBS	12	4.00~10.00		2.0					
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBMS	16	8.00~14.00		2.0					
	20	10.00~18.00		2.0					
(EN 1.4301 Equiv.) KJBSS	25	15.00~23.00		2.0					
	30	20.00~27.00		2.0			-	-	-
(EN 1.4125 Equiv.) KJBSSC	35	25.00~32.00		2.0			-	-	-

P, L Configurable P Dimension Tolerance H7

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	R	Unit Price				
					KJBHSN	KJBHS	KJBHSM	KJBHSS	KJBHSSC
(JIS-SKS93 Equiv. Raw Material) KJBHSN	8	2.00~ 6.00	5~40 When P<5 L≤Px4 When P≥5 L≤Px3	1.0					
	10	2.00~ 8.00		1.0					
(JIS-SKS93 Equiv. Hardened) KJBHS	12	4.00~10.00		2.0					
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBHSM	16	8.00~14.00		2.0					
	20	10.00~18.00		2.0					
(EN 1.4301 Equiv.) KJBHSS	25	15.00~23.00		2.0					
	30	20.00~27.00		2.0			-	-	-
(EN 1.4125 Equiv.) KJBHSSC	35	25.00~32.00		2.0			-	-	-

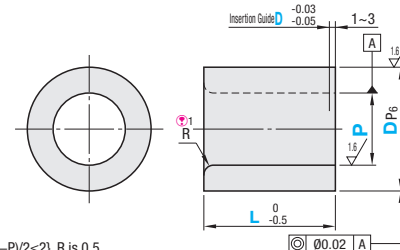
2. For EN 1.4301 Equiv., there must be a 2mm or greater wall thickness ((D-P)/2≥2). 3. D=30 and 35 are applicable to JIS-SKS93 (except electroless nickel plating) only.

For compatible Pins, see P1819~P1820 and P1840.

Press Fit Type



Material	Hardness	Surface Treatment	Type	
			P ^{+0.03 -0.01}	PH7
JIS-SKS93 Equiv.	50~60HRC	-	KJBPS	KJBPHS
JIS-SKS93 Equiv.	50~60HRC	Electroless Nickel Plating	KJBPSM	KJBPHSM
EN 1.4301 Equiv. ^{1,2}	-	-	-	KJBPHSS
EN 1.4125 Equiv.	45~50HRC	-	KJBPSSC	KJBPHSSC



1. When wall is 2mm or less ((D-P)/2≤2), R is 0.5.

P	H7
2.00~3.00	+0.001 0
3.01~6.00	+0.012 0
6.01~10.00	+0.015 0
10.01~18.00	+0.018 0
18.01~30.00	+0.021 0
30.01~32.00	+0.025 0

P, L Configurable P Dimension Tolerance

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	R	Unit Price		
					KJBPS	KJBPSM	KJBPSSC
(JIS-SKS93 Equiv. Hardened) KJBPS	8	2.00~ 6.00	5~40 When P<5 L≤Px4 When P≥5 L≤Px3	1.0			
	10	2.00~ 8.00		1.0			
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBPSM	12	4.00~10.00		2.0			
	16	8.00~14.00		2.0			
	20	10.00~18.00		2.0			
(EN 1.4125 Equiv.) KJBPSSC	25	15.00~23.00		2.0			
	30	20.00~27.00		2.0		-	-
	35	25.00~32.00		2.0		-	-

P, L Configurable P Dimension Tolerance H7

Part Number Type	D	P 0.01mm Increment	L 1mm Increment	R	Unit Price			
					KJBPHS	KJBPHSM	KJBPHSS	KJBPHSSC
(JIS-SKS93 Equiv. Hardened) KJBPHS	8	2.00~ 6.00	5~40 When P<5 L≤Px4 When P≥5 L≤Px3	1.0				
	10	2.00~ 8.00		1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBPHSM	12	4.00~10.00		2.0				
	16	8.00~14.00		2.0				
(EN 1.4301 Equiv.) KJBPHSS	20	10.00~18.00		2.0				
	25	15.00~23.00		2.0				
(EN 1.4125 Equiv.) KJBPHSSC	30	20.00~27.00		2.0		-	-	-
	35	25.00~32.00		2.0		-	-	-

2. For EN 1.4301 Equiv., there must be a 2mm or greater wall thickness ((D-P)/2≥2).

Ordering Example	Part Number	D	P	L
	KJBA	10	P5	L15
	KJBNS	12	P6.53	L20

Alterations	Part Number	P	L	(FC, NC-etc.)
	KJBNS10	P3.00	L6	STC
	KJBNS12	P6.00	L20	CRN

Applicable to P, L Dimension Configurable Type only.

Alterations	Code	Spec.
Groove (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 only when L≥10.
Groove (for Retaining) 	NC	Adds groove for retaining. D≥P+3: Applicable only when a wall of 1.5mm or thicker is remaining. Applicable only when L≥10.
Radius R C Chamfered 	RN	Adds C Chamfering (0.5 or less) to R.

Alterations	Code	Spec.
Radius R Square Corner 	CRN	Replaces R with square corner. Edge may be burred. Combination with alteration LKC is not available.
Additional Surface Treatment (Black Oxide) 	STC	Adds black oxide surface treatment. Applicable only to material JIS-SKS93 (except electroless nickel plating).
L Dimension Tolerance 	LKC	Changes L dimension tolerance to 0.05. Combination with alteration CRN is not available.
Flats Machining 	HT	Adds a flat on bushing.