

Bushings for Inspection Components

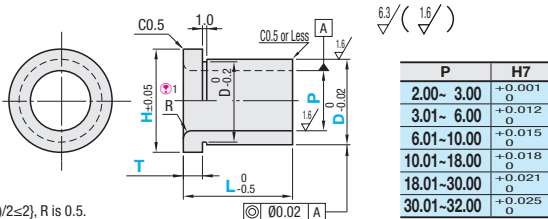
Shouldered (Standard, Press Fit Type)

■ **Features:** Height is adjustable at shoulder as a shim (2, 3 and 5mm). For compatible Pins, see **P.1819~P.1820** and **P.1840**.

■ Standard Type



Material	Hardness	Surface Treatment	Type			
			T Selection		T, H Configurable	
			P ^{+0.03} _{+0.01}	P _{H7}	P ^{+0.03} _{+0.01}	P _{H7}
SKS93 Equivalent	50~60HRC	-	KJBST	KJBHST	KJBFS	KJBFHS
SKS93 Equivalent	50~60HRC	Electroless Nickel Plating	KJBSTM	KJBHSTM	KJBFMS	KJBFHSM
SUS304 ^{*2}	-	-	KJBSTS	KJBHSTS	-	-
SUS440C Equivalent	45~50HRC	-	KJBSTSC	KJBHSTSC	KJBFSSC	KJBFHSSC



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

■ T Selection P Dimension Tolerance^{+0.03}_{+0.01}

Part Number		P	L	T±0.05	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	Selection			KJBHST	KJBHSTM	KJBHSTS	KJBHSTSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBST	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBSTM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBSTS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBHSTSC	35	25.00~32.00				2.0	-	-	-	-

■ T Selection P Dimension Tolerance H7

Part Number		P	L	T±0.05	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	Selection			KJBHST	KJBHSTM	KJBHSTS	KJBHSTSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBHST	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBHSTM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBHSTS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBHSTSC	35	25.00~32.00				2.0	-	-	-	-

■ T, H Configurable P Dimension Tolerance^{+0.03}_{+0.01}

Part Number		P	L	T±0.01	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	0.1mm Increment	1mm Increment		KJBFS	KJBFMS	KJBFSSC	
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBFS	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBFMS	16	8.00~14.00				2.0				
(SUS440C Equivalent)	20	10.00~18.00				2.0				
KJBFSSC	25	15.00~23.00				2.0				

■ T, H Configurable P Dimension Tolerance H7

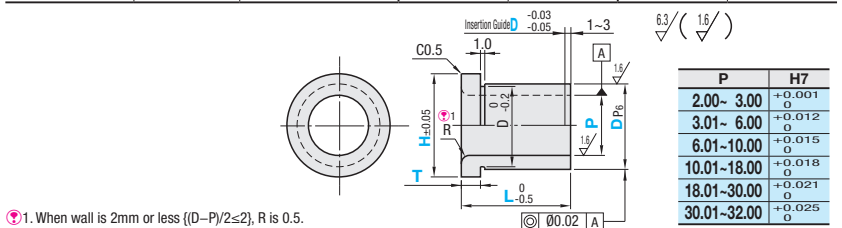
Part Number		P	L	T±0.01	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	0.1mm Increment	1mm Increment		KJBFHS	KJBFHSM	KJBFHSSC	
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBFHS	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBFHSM	16	8.00~14.00				2.0				
(SUS440C Equivalent)	20	10.00~18.00				2.0				
KJBFHSSC	25	15.00~23.00				2.0				

② 2 For SUS304, there must be a 2mm or greater wall thickness ((D-P)/2≥2). ③ 3 D=30 and 35 are applicable to SKS93 (except electroless nickel plating) only.

■ Press Fit Type



Material	Hardness	Surface Treatment	Type			
			T Selection		T, H Configurable	
			P ^{+0.03} _{+0.01}	P _{H7}	P ^{+0.03} _{+0.01}	P _{H7}
SKS93 Equivalent	50~60HRC	-	KJBSPST	KJBPHST	KJBPFSS	KJBPFHSS
SKS93 Equivalent	50~60HRC	Electroless Nickel Plating	KJBSPSTM	KJBPHSTM	KJBPFSSM	KJBPFHSSM
SUS304 ^{*2}	-	-	KJBSPSTS	KJBPHSTS	KJBPFSSS	KJBPFHSSS
SUS440C Equivalent	45~50HRC	-	KJBSPSTSC	KJBPHSTSC	KJBPFSSC	KJBPFHSSC



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

■ T Selection P Dimension Tolerance^{+0.03}_{+0.01}

Part Number		P	L	T±0.05	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	Selection			KJBSPST	KJBSPSTM	KJBSPSTS	KJBSPSTSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBSPST	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBSPSTM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBSPSTS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBSPSTSC	35	25.00~32.00				2.0	-	-	-	-

■ T Selection P Dimension Tolerance H7

Part Number		P	L	T±0.05	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	Selection			KJBSPHST	KJBSPHSTM	KJBSPHSTS	KJBSPHSTSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBSPHST	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBSPHSTM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBSPHSTS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBSPHSTSC	35	25.00~32.00				2.0	-	-	-	-

■ T, H Configurable P Dimension Tolerance^{+0.03}_{+0.01}

Part Number		P	L	T±0.01	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	0.1mm Increment	1mm Increment		KJBSPFS	KJBSPFSM	KJBSPFSS	KJBSPFSSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBSPFS	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBSPFSM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBSPFSS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBSPFSSC	35	25.00~32.00				2.0	-	-	-	-

■ T, H Configurable P Dimension Tolerance H7

Part Number		P	L	T±0.01	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	0.1mm Increment	1mm Increment		KJBSPFHS	KJBSPFHSM	KJBSPFHSS	KJBSPFHSSC
(SKS93 Equivalent Hardened)	8	2.00~ 6.00				1.0				
KJBSPFHST	10	2.00~ 8.00				1.0				
(SKS93 Equivalent Hardened, Electroless Nickel Plating)	12	4.00~10.00				2.0				
KJBSPFHSTM	16	8.00~14.00				2.0				
(SUS304)	20	10.00~18.00				2.0				
KJBSPFHSTS	25	15.00~23.00				2.0				
(SUS440C Equivalent)	30	20.00~27.00				2.0	-	-	-	-
KJBSPFHSSC	35	25.00~32.00				2.0	-	-	-	-

② 2. For SUS304, there must be a 2mm or greater wall thickness ((D-P)/2≥2).



Ordering Example
Part Number - P - L - T - H
Type Material Code D P L T H
KJB ST 10 - P3.97 - L6 - T2
KJBF S 10 - P7.00 - L15 - T5.0 - H15



Alterations
Part Number - P - L - T (FC, NC-etc.)
KJBST10 - P3.00 - L6 - T2 - STC
KJBHST12 - P8.00 - L20 - T3 - CRN

③ Applicable to P, L Dimension Configurable Type only.

Alterations	Code	Spec.
Groove (for Adhesive Reservoir) 	FC	Adds an adhesive reservoir groove. ② D≥P+3: Applicable only when a wall of 1.5mm or thicker is remaining. ③ Applicable only when L≥15.
Groove (for Retaining) 	NC	Adds groove for retaining. ② D≥P+3: Applicable only when a wall of 1.5mm or thicker is remaining. ③ Applicable only when L≥15.
Radius R C Chamfered 	RN	Adds C Chamfering (0.5 or less) to R.
Radius R Square Corner 	CRN	Replaces R with square corner. ② Edge may be burred. ③ Combination with TKC and LKC is not available.

Alterations	Code	Spec.
Additional Surface Treatment (Black Oxide) 	STC	Adds black oxide surface treatment. ② Applicable only to material SKS93 (except electroless nickel plating).
Shoulder Thickness Tolerance 	TKC	Changes shoulder thickness tolerance to ±0.01. ② Applicable to Shouldered T Dimension Fixed Type only. ③ Combination with alteration CRN and LKC is not available.
L Dimension Tolerance 	LKC	Changes L dimension tolerance. ③ Combination with TKC and CRN is not available.
Flats Machining 	HT	Adds a flat on bushing. ② No flat on shoulder part.