

Bushings for Inspection Components

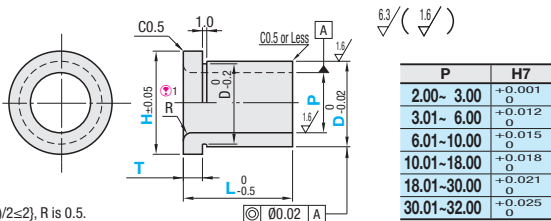
Shouldered (Standard, Press Fit Type)

■ **Features:** Height is adjustable at shoulder as a shim (2, 3 and 5mm). For compatible Pins, see **P1819~P1820** and **P1840**.

■ 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}
JIS-SKS93 Equiv.	50~60HRC	-	KJBST	KJBHST	KJBFS	KJBFHS
JIS-SKS93 Equiv.	50~60HRC	Electroless Nickel Plating	KJBSTM	KJBHSTM	KJBFMS	KJBFHSM
EN 1.4301 Equiv.*2	-	-	KJBSTS	KJBHSTS	-	-
EN 1.4125 Equiv.	45~50HRC	-	KJBSTSC	KJBHSTSC	KJBFSSC	KJBFHSSC



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
(JIS-SKS93 Equiv. Hardened) KJBST	8	2.00~ 6.00	5~40	2 3 5	D+4	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBSTM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJBSTS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4			2.0				
(EN 1.4125 Equiv.) KJBHSTSC	30	20.00~27.00	When P≥4 L≤Px3			2.0	-	-	-	-
	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
(JIS-SKS93 Equiv. Hardened) KJBHST	8	2.00~ 6.00	5~40	2 3 5	D+4	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBHSTM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJBHSTS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4			2.0				
(EN 1.4125 Equiv.) KJBHSTSC	30	20.00~27.00	When P≥4 L≤Px3			2.0	-	-	-	-
	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	KJBFSM	KJBFSSC	
(JIS-SKS93 Equiv. Hardened) KJBFS	8	2.00~ 6.00	5~40	2.0~5.5	10~16	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBFSM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4125 Equiv.) KJBFSSC	20	10.00~18.00	When P<4 L≤Px4			2.0				
	25	15.00~23.00	When P≥4 L≤Px3		22~37	2.0				
					27~40	2.0				

■ T, H Configurable P Dimension Tolerance H7

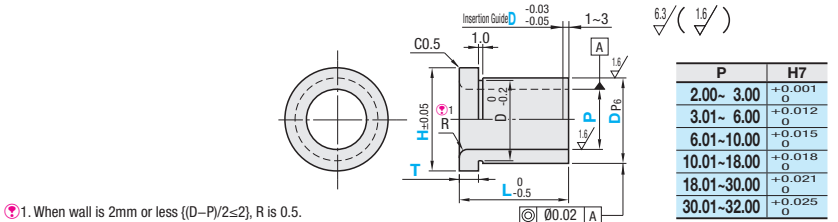
Part Number		P	L	T±0.01	H	R	Unit Price			
Type	D	0.01mm Increment	1mm Increment	0.1mm Increment	1mm Increment		KJBFHS	KJBFHSM	KJBFHSSC	
(JIS-SKS93 Equiv. Hardened) KJBFHS	8	2.00~ 6.00	5~40	2.0~5.5	10~16	1.0				
	10	2.00~ 8.00				1.0				
(SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBFHSM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4125 Equiv.) KJBFHSSC	20	10.00~18.00	When P<4 L≤Px4			2.0				
	25	15.00~23.00	When P≥4 L≤Px3		22~37	2.0				
					27~40	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.

■ 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}
JIS-SKS93 Equiv.	50~60HRC	-	KJB PST	KJBPHST	KJB PFS	KJB PFHS
JIS-SKS93 Equiv.	50~60HRC	Electroless Nickel Plating	KJB PSTM	KJBPHSTM	KJB PFMS	KJB PFHSM
EN 1.4301 Equiv.*2	-	-	KJB PSTS	KJBPHSTS	KJB PFSS	KJB PFHSS
EN 1.4125 Equiv.	45~50HRC	-	KJB PSTSC	KJBPHSTSC	KJB PFSSC	KJB PFHSSC



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			KJB PST	KJB PSTM	KJB PSTS	KJB PSTSC
(JIS-SKS93 Equiv. Hardened) KJB PST	8	2.00~ 6.00	5~40	2 3 5	D+4	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJB PSTM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJB PSTS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4			2.0				
(EN 1.4125 Equiv.) KJB PSTSC	30	20.00~27.00	When P≥4 L≤Px3			2.0	-	-	-	-
	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			KJBPHST	KJBPHSTM	KJBPHSTS	KJBPHSTSC
(JIS-SKS93 Equiv. Hardened) KJBPHST	8	2.00~ 6.00	5~40	2 3 5	D+4	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJBPHSTM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJBPHSTS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4			2.0				
(EN 1.4125 Equiv.) KJBPHSTSC	30	20.00~27.00	When P≥4 L≤Px3			2.0	-	-	-	-
	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		KJB PFS	KJB PFMS	KJB PFSS	KJB PFSSC
(JIS-SKS93 Equiv. Hardened) KJB PFS	8	2.00~ 6.00	5~40	2.0~5.5	10~16	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJB PFMS	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJB PFSS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4		18~26	2.0				
(EN 1.4125 Equiv.) KJB PFSSC	30	20.00~27.00	When P≥4 L≤Px3		22~37	2.0				
					27~40	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		KJB PFHS	KJB PFHSM	KJB PFHSS	KJB PFHSSC
(JIS-SKS93 Equiv. Hardened) KJB PFHS	8	2.00~ 6.00	5~40	2.0~5.5	10~16	1.0				
	10	2.00~ 8.00				1.0				
(JIS-SKS93 Equiv. Hardened, Electroless Nickel Plating) KJB PFHSM	12	4.00~10.00				2.0				
	16	8.00~14.00				2.0				
(EN 1.4301 Equiv.) KJB PFSS	20	10.00~18.00				2.0				
	25	15.00~23.00	When P<4 L≤Px4		18~26	2.0				
(EN 1.4125 Equiv.) KJB PFHSSC	30	20.00~27.00	When P≥4 L≤Px3		22~37	2.0				
					27~40	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		P	L	T	H
Type	Material Code	D			
KJB	ST	10	P3.97	L6	T2
KJBF	S	10	P7.00	L15	T5.0



Alterations

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

① 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 JIS-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 _{0.05} 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.