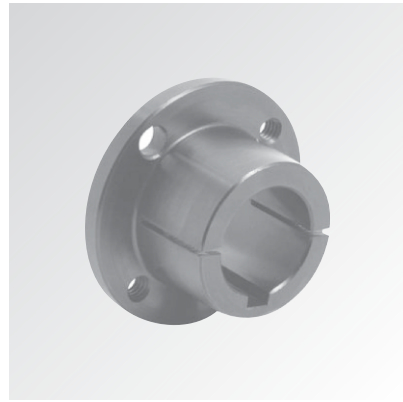


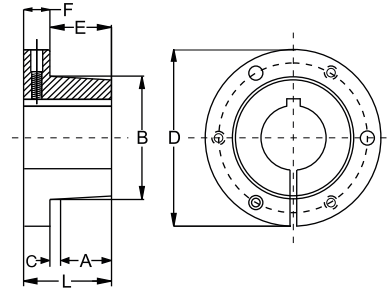
BUSHINGS



BUSHINGS

- All major designs available Quick Detachable(PQD), Taper Lock(TL[®]), Split Taper (PST)
- Easy to mount easy to Remove
- Manufactured from machined steel with black oxide finish
- Grade 5 cap screws provided
- Split Taper (PST) bushings have setscrew through the flange over the keyway
- Quick Detachable(PQD) bushings allow for reverse mounting
- Metric sizes available

QUICK DETACHABLE(PQD) STEEL BUSHING



PART NO.	BORE RANGE	Set Screw Size	DIMENSIONS								CAPSCREWS			TORQUE CAPACITY IN- LBS.	WRENCH TORQUE FT-LBS.	AVERAGE WEIGHT LBS.
			D	L	A	B	C	E	F	NO.	SIZE	BOLT CIRCLE				
QT/H	1/2 - 1 1/2	8-32UNC x 1/2	2 1/2	1 1/4	7/8	1.625	3/16	1	1/4	2	1/4x3/4	2	-	-	0.8	
JA	1/2 - 1 1/4	10-24UNC	2	29/32	1/2	1.375	3/16	9/16	5/16	3	10 -24 x 1	1 21/32	1000	6	0.8	
SH	1/2 - 1 5/8	1/4-20UNC x 3/8	2 11/16	1 7/32	21/32	1.871	7/32	3/4	7/16	3	1/4 -20 x 1 3/8	2 1/4	3500	9	1.0	
SDS	1/2 - 2	1/4-20UNC x 3/8	3 1/8	1 5/16	21/32	2.1875	7/32	7/8	7/16	3	1/4 -20 x 1 3/8	2 11/16	5000	9	1.2	
SD	1/2 - 2	1/4-20UNC x 3/8	3 1/8	1 13/16	1 5/32	2.1875	7/32	1 3/8	7/16	3	1/4 -20 x 1 7/8	2 11/16	5000	9	1.5	
SK	1/2 - 2 5/8	5/16-18UNC x 1/2	3 7/8	1 3/4	1 5/32	2.8125	7/32	1 7/32	9/16	3	5/16 -18 x 2	3 5/16	7000	15	2.0	
SF	1/2 - 2 15/16	5/16-18UNC x 1/2	4 5/8	2 1/16	1 7/32	3.125	7/32	1 15/32	9/16	3	3/8 -16 x 2	3 7/8	11000	30	3.5	
E	7/8 - 3 1/2	3/8-16UNC x 1/2	6	2 21/32	1 19/32	3.834	9/32	1 29/32	3/4	3	1/2 -13 x 2 3/4	5	20000	60	9.0	
F	1 - 4	1/2-13UNC x 5/8	6 5/8	3 3/4	2 13/32	4.4375	11/32	2 3/4	1	3	9/16 -12 x 3 5/8	5 5/8	30000	75	14	
J	1 1/2 - 4 1/2	5/8-11UNC x 3/4	7 1/4	4 5/8	3 3/16	5.1484	5/16	3 1/2	1 1/8	3	5/8 -11 x 4 1/2	6 1/4	45000	135	22	
M	2 - 5 1/2	3/4-10UNC x 3/4	9	6 3/4	5 5/32	6.494	11/32	5 1/2	1 1/4	4	3/4 -10 x 6 3/4	7 7/8	85000	225	51	
N	2 7/15 - 5 7/8	3/4-10UNC x 3/4	10	8 1/8	6 1/16	6.992	9/16	6 5/8	1 1/2	4	7/8 - 9 x 8	8 1/2	150000	300	66	
P	2 15/16 - 7	7/8-9 x 1 1/2	11 3/4	9 3/4	7	8.242	5/8	7 5/8	1 3/4	4	1 - 8 x 9 1/2	10	250000	450	122	

Note - All Bushings have setscrew over keyway



BUSHING FLANGE TOWARD MACHINE OR MOTOR

1. Align tapped in bushing flange with drilled holes in sheave hub.
2. Insert capscrews through drilled holes in sheave hub and thread loosely into tapped holes in bushing flange.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.

TO REMOVE

1. Remove capscrews and thread into tapped holes in sheave hub. Tighten progressively until bushing is free from sheave taper.
2. Remove assembly from shaft.

BUSHING FLANGE AWAY FROM MACHINE OR MOTOR

1. Align drilled holes in bushing flange with tapped holes in sheave hub.
2. Insert capscrews through drilled holes in bushing flange and thread loosely into tapped holes in sheave hub.
3. Position assembly on shaft and tighten capscrews progressively and uniformly.

TO REMOVE

1. Remove capscrews and thread into tapped holes in bushing flange. Tighten progressively until bushing is free from sheave taper.
2. Remove assembly from shaft.

CAPSCREWS ARE ALWAYS ACCESSIBLE FROM THE OUTSIDE

QUICK DETACHABLE(PQD) STEEL BUSHING

STOCK INCH BORE BUSHING

STOCK BORES	KEY SEAT	QT/H	JA	SH	SDS	SD	SK	SF	E	F	J
7/16	No KS	x	-	-	-	-	-	-	-	-	-
1/2	1/8 x 1/16	x	x	x	x	x	x	x	-	-	-
9/16	1/8 x 1/16	x	x	x	x	x	x	x	-	-	-
5/8	3/16 x 3/32	x	x	x	x	x	x	x	-	-	-
(11/16)	3/16 x 3/32	x	x	x	x	x	x	x	-	-	-
3/4	3/16 x 3/32	x	x	x	x	x	x	x	-	-	-
(13/16)	3/16 x 3/32	x	x	x	x	x	x	x	-	-	-
7/8	3/16 x 3/32	x	x	x	x	x	x	x	-	-	-
(15/16)	1/4 x 1/8	x	x	x	x	x	x	x	-	-	-
1	1/4 x 1/8	x	x	x	x	x	x	x	-	-	-
1 (1/16)	1/4 x 1/8	x	S	x	x	x	x	x	x	x	-
1 1/8	1/4 x 1/8	x	S	x	x	x	x	x	x	x	-
1 (3/16)	1/4 x 1/8	x	S	x	x	x	x	x	x	x	-
1 1/4	1/4 x 1/8	x	-	x	x	x	x	x	x	x	-
1 (5/16)	5/16 x 5/32	x	-	x	x	x	x	x	x	x	-
1 (5/16)*	3/8 x 3/16	-	-	x	x	x	x	x	x	x	-
1 3/8	5/16 x 5/32	x	-	x	x	x	x	x	x	x	-
1 3/8*	3/8 x 3/16	-	-	x	x	x	x	x	x	x	-
1 7/16	3/8 x 3/16	x	-	x	x	x	x	x	x	x	-
1 1/2	3/8 x 3/16	x	-	S	x	x	x	x	x	x	x
1 9/16	3/8 x 3/16	-	-	S	x	x	x	x	x	x	x
1 5/8	3/8 x 3/16	-	-	S	x	x	x	x	x	x	x
1 11/16	3/8 x 3/16	-	-	S	S	x	x	x	x	x	x

		SDS	SD	SK	SF	E	F	J	M	N
1 3/4	3/8 x 3/16	s	s	x	x	x	x	-	-	-
1 13/16	1/2 x 1/4	s	s	x	x	x	x	-	-	-
1 7/8	1/2 x 1/4	s	s	x	x	x	x	-	-	-
1 15/16	1/2 x 1/4	s	s	x	x	x	x	-	-	-
2	1/2 x 1/4	N	N	x	x	x	x	x	x	-
2 1/16	1/2 x 1/4	-	-	x	x	x	x	x	x	-
2 1/8	1/2 x 1/4	-	-	x	x	x	x	x	x	-
2 3/16	1/2 x 1/4	-	-	s	x	x	x	x	x	-
2 1/4	1/2 x 1/4	-	-	s	x	x	x	x	x	-
2 5/16	5/8 x 5/16	-	-	s	s	x	x	x	x	-
2 3/8	5/8 x 5/16	-	-	s	s	x	x	x	x	-
2 7/16	5/8 x 5/16	-	-	s	s	x	x	x	x	x
2 1/2	5/8 x 5/16	-	-	s	s	x	x	x	x	x
2 9/16	5/8 x 5/16	-	-	N	s	x	x	x	x	x
2 5/8	5/8 x 5/16	-	-	N	s	x	x	x	x	x

		SF	E	F	J	M	N	P
2 11/16	5/8 x 5/16	s	X	x	x	x	-	-
2 3/4	5/8 x 5/16	s	x	x	x	x	-	-
2 3/16	3/4 x 3/8	s	x	x	x	x	-	-
2 7/8	3/4 x 3/8	s	x	x	x	x	-	-
2 15/16	3/4 x 3/8	s	s	x	x	x	x	-
3	3/4 x 3/8	-	s	x	x	x	x	-
3 1/16	3/4 x 3/8	-	s	x	x	x	x	-
3 1/8	3/4 x 3/8	-	s	x	x	x	x	-
3 3/16	3/4 x 3/8	-	s	x	x	x	x	-
3 1/4	3/4 x 3/8	-	s	x	x	x	x	-
3 5/16	7/8 x 7/16	-	s	s	x	x	x	-
3 3/8	7/8 x 7/16	-	s	s	x	x	x	-
3 7/16	7/8 x 7/16	-	s	s	x	x	x	-
3 1/2	7/8 x 7/16	-	s	s	x	x	x	-
3 9/16	7/8 x 7/16	-	s	s	x	x	x	-
3 5/8	7/8 x 7/16	-	-	s	x	x	x	-
3 11/16	7/8 x 7/16	-	-	s	x	x	x	-
3 3/4	7/8 x 7/16	-	-	s	x	x	x	-
3 13/16	1 x 1/2	-	-	s	x	x	x	-
3 7/8	1 x 1/2	-	-	s	s	x	x	-
3 15/16	1 x 1/2	-	-	s	s	x	x	-
4	1 x 1/2	-	-	N	s	x	x	-

* Bushings with 5/16 x 5/32" Keyway will be shipped unless the 3/8 x 3/16 Keyway is specified on the order.

STOCK BORES	KEY SEAT	J	M	N	P
4 1/16	1 x 1/2	s	X	x	x
4 1/8	1 x 1/2	s	x	x	x
4 3/16	1 x 1/2	s	x	x	x
4 1/4	1 x 1/2	s	x	x	x
4 5/16	1 x 1/2	s	x	x	x
4 3/8	1 x 1/2	s	x	x	x
4 5/16	1 x 1/2	s	x	x	x
4 3/8	1 x 1/2	s	x	x	x
4 7/16	1 x 1/2	s	x	x	x
4 1/2	1 1/4 x 5/8	-	s	x	x
4 9/16	1 1/4 x 5/8	-	s	x	x
4 5/8	1 1/4 x 5/8	-	s	x	x
4 11/16	1 1/4 x 5/8	-	s	x	x
4 3/4	1 1/4 x 5/8	-	s	x	x
4 13/16	1 1/4 x 5/8	-	s	x	x
4 7/8	1 1/4 x 5/8	-	s	x	x
4 15/16	1 1/4 x 5/8	-	s	x	x
5	1 1/4 x 5/8	-	s	x	x
5 1/16	1 1/4 x 5/8	-	s	x	x
5 1/8	1 1/4 x 5/8	-	s	s	x
5 3/16	1 1/4 x 5/8	-	s	s	x
5 1/4	1 1/4 x 5/8	-	s	s	x
5 5/16	1 1/4 x 5/8	-	s	s	x
5 3/8	1 1/4 x 5/8	-	s	s	x
5 7/16	1 1/4 x 5/8	-	s	s	x
5 1/2	1 1/4 x 5/8	-	s	s	x

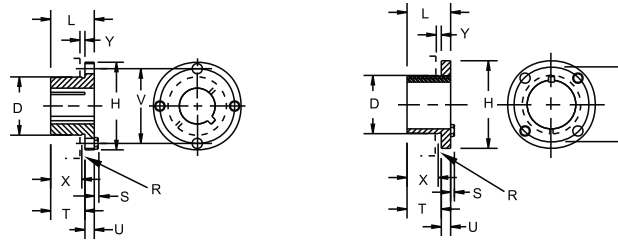
STOCK BORES	KEY SEAT	N	P
5 9/16	1 1/2 x 3/4	S	x
5 5/8	1 1/2 x 3/4	S	x
5 11/16	1 1/2 x 3/4	S	x
5 3/4	1 1/2 x 3/4	S	x
5 13/16	1 1/2 x 3/4	S	x
5 7/8	1 1/2 x 3/4	S	S
5 15/16	1 1/2 x 3/4	-	S
6	1 1/2 x 3/4	-	S
6 1/16	1 1/2 x 3/4	-	S
6 1/8	1 1/2 x 3/4	-	S
6 5/16	1 1/2 x 3/4	-	S
6 3/8	1 1/2 x 3/4	-	S
6 7/16	1 1/2 x 3/4	-	S
6 1/2	1 1/2 x 3/4	-	S
6 9/16	1 3/4 x 3/4	-	S
6 5/8	1 3/4 x 3/4	-	S
6 11/16	1 3/4 x 3/4	-	S
6 3/4	1 3/4 x 3/4	-	S
6 13/16	1 3/4 x 3/4	-	S
6 7/8	1 3/4 x 3/4	-	S
6 15/16	1 3/4 x 3/4	-	S
7	1 3/4 x 3/4	-	S

Stock Millimeter Bore Bushings

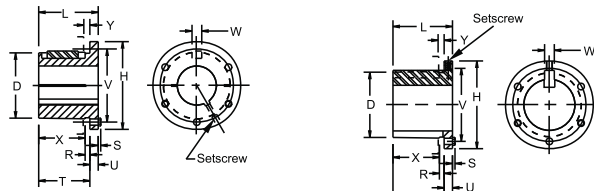
STOCK BORE	KEYSEAT (Millimeters)	QT/H	JA	SH	SDS	SD	SK	SF	E	F	J	M	N	P
14mm	5 X 5	X	X	X	X	X	X	-	-	-	-	-	-	-
15mm	5 X 5	X	X	X	X	X	X	-	-	-	-	-	-	-
16mm	5 X 5	X	X	X	X	X	X	-	-	-	-	-	-	-
17mm	5 X 5	X	X	X	X	X	X	-	-	-	-	-	-	-
18mm	6 X 6	X	X	X	X	X	X	-	-	-	-	-	-	-
19mm	6 X 6	X	X	X	X	X	X	-	-	-	-	-	-	-
20mm	6 X 6	X	X	X	X	X	X	-	-	-	-	-	-	-
22mm	6 X 6	X	X	X	X	X	X	-	-	-	-	-	-	-
24mm	8 X 3.5	X	X*	X	X	X	X	-	-	-	-	-	-	-
25mm	8 X 3.5	X	X*	X	X	X	X	-	-	-	-	-	-	-
28mm	8 X 3.5	X	X*	X	X	X	X	-	-	-	-	-	-	-
30mm	8 X 3.5	X	-	X	X	X	X	-	-	-	-	-	-	-
32mm	10 X 4	X	-	X	X	X	X	-	-	-	-	-	-	-
35mm	10 X 4	X*	-	X	X	X	X	-	-	-	-	-	-	-
38mm	10 X 4	X*	-	X	X	X	X	-	-	-	-	-	-	-
40mm	12 X 4	-	-	-	X	X	X	-	-	-	-	-	-	-
42mm	12 X 4	-	-	-	X	X	X	-	-	-	-	-	-	-
45mm	14 X 4.5	-	-	-	-	-	X	-	-	-	-	-	-	-
48mm	14 X 4.5	-	-	-	X	-	X	-	-	-	-	-	-	-
50mm	14 X 4.5	-	-	-	-	-	X	-	-	-	-	-	-	-
55mm	16 X 5	-	-	-	-	-	X	-	-	-	-	-	-	-
60mm	18 X 5.5	-	-	-	-	-	X	-	-	-	-	-	-	-
65mm	18 X 5.5	-	-	-	-	-	-	-	-	-	-	-	-	-
70mm	20 X 6	-	-	-	-	-	-	-	-	-	-	-	-	-
75mm	20 X 6	-	-	-	-	-	-	-	-	-	-	-	-	-
80mm	22 X 7	-	-	-	-	-	-	-	-	-	-	-	-	-
85mm	22 X 7	-	-	-	-	-	-	-	-	-	-	-	-	-
90mm	25 X 7	-	-	-	-	-	-	-	-	-	-	-	-	-
95mm	25 X 7	-	-	-	-	-	-	-	-	-	-	-	-	-
100mm	28 X 8	-	-	-	-	-	-	-	-	-	-	-	-	-
110mm	28 X 16	-	-	-	-	-	-	-	-	-	-	-	-	-
115mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-
120mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-
130mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-
150mm	36 X 20	-	-	-	-	-	-	-	-	-	-	-	-	-

X= Stock Bore with Standard Keyway. N= Stock Bore with No Keyway.
S= Stock Bore with Shallow Keyway; Rectangular Key is furnished to fit standard keyseat.

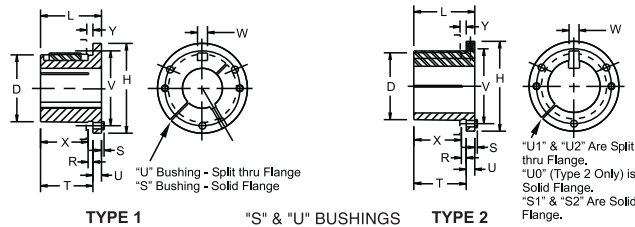
SPLIT TAPER (PST) STEEL BUSHING



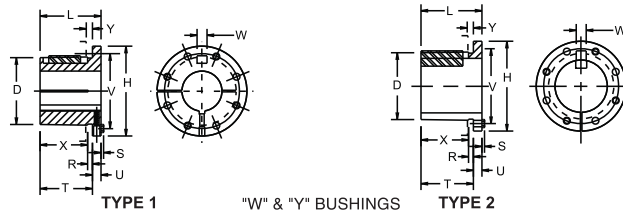
TYPE 1 "G" & "H" BUSHINGS TYPE 2



TYPE 1 "P" "B" "Q" & "R" BUSHINGS TYPE 2



TYPE 1 "S" & "U" BUSHINGS TYPE 2



TYPE 1 "W" & "Y" BUSHINGS TYPE 2

PART NO.	DIMENSIONS												Set Screw Size	BORE RANGE		NO.	SIZE	AV. WT. LBS.	WRENCH TORQUE IN-LBS.
	L	U	T	D		H	V	W	X	Y	R	S		TYPE 1	TYPE 2				
G	1	1/4	3/4	1.172	1.1330	2	1 9/16	--	5/8	3/16	1/8	3/16	8-32UNC x 1/4	3/8- 15/16	1	2	1/4 x 5/8	0.50	95
H	1 1/4	1/4	1	1.625	1.5700	2 1/2	2	--	7/8	3/16	1/8	3/16	8-32UNC x 1/2	3/8 - 1 3/8	1 7/16 - 1 1/2	2	1/4 x 3/4	0.80	95
P1	1 15/16	13/32	1 17/32	1.938	1.8555	3	2 7/16	3/8	1 5/16	7/32	7/32	1/4	1/4-20UNC x 3/8	1/2 - 1 7/16	1 1/2- 1 3/4	3	5/16 x 1	1.30	192
P2	2 15/16	13/32	2 17/32	1.938	1.7930	3	2 7/16	3/8	2 5/16	7/32	7/32	1/4	1/4-20UNC x 3/8	3/4 - 1 7/16	1 1/2- 1 3/4	3	5/16 x 1	1.50	192
P3	4 7/16	13/32	4 1/32	1.938	1.6993	3	2 7/16	3/8	3 13/16	7/32	7/32	1/4	1/4-20UNC x 3/8	1 1/8 - 1 3/8	1 5/8	3	5/16 x 1	2.00	192
B	1 15/16	1/2	1 7/16	2.625	2.5567	3 11/16	3 1/8	1/2	1 3/16	7/32	1/4	1/4	1/4-20UNC x 3/8	1/2 - 1 15/16	2 - 2 7/16	3	5/16 x 1 1/4	1.80	192
Q1	2 1/2	17/32	1 31/32	2.875	2.7657	4 1/8	3 3/8	1/2	1 3/4	7/32	7/32	9/32	5/16-18UNC x 3/8	3/4 - 2 1/16	2 1/8 - 2 11/16	3	3/8 x 1 1/4	3.50	348
Q2	3 1/2	17/32	2 31/32	2.875	2.7032	4 1/8	3 3/8	1/2	2 3/4	7/32	7/32	9/32	5/16-18UNC x 3/8	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8 x 1 1/4	4.50	348
Q3	5	17/32	4 15/32	2.875	2.6094	4 1/8	3 3/8	1/2	4 1/4	7/32	7/32	9/32	5/16-18UNC x 3/8	1 3/8 - 2 1/16	2 1/8 - 2 1/2	3	3/8 x 1 1/4	5.50	348
R1	2 7/8	5/8	2 1/4	4.000	3.8750	5 3/8	4 5/8	3/4	2	1/4	1/4	9/32	5/16-18UNC x 3/8	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8 x 1 1/4	7.50	348
R2	4 7/8	5/8	4 1/4	4.000	3.7500	5 3/8	4 5/8	3/4	4	1/4	1/4	9/32	5/16-18UNC x 3/8	1 3/8 - 2 13/16	2 7/8 - 3 5/8	3	3/8 x 1 1/4	11.00	348
S1	4 3/8	3/4	3 5/8	4.625	4.4180	6 3/8	5 3/8	3/4	3 5/16	5/16	5/16	3/8	3/8-16UNC x 1/2	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2 x 2 1/4	13.50	840
S2	6 3/4	3/4	6	4.625	4.2696	6 3/8	5 3/8	3/4	5 11/16	5/16	5/16	3/8	3/8-16UNC x 1/2	1 7/8 - 3 3/16	3 1/4 - 4 3/16	3	1/2 x 2 1/4	19.00	840
U0	5 1/4	1 1/16	4 3/16	6.000	5.7656	8 3/8	7	1 1/4	3 3/4	7/16	7/16	15/32	5/8-11UNC x 5/8	2 3/8 - 3 1/16	--	3	5/8 x 2 3/4	30.00	1680
U1	7 1/8	1 1/16	6 1/16	6.000	5.6485	8 3/8	7	1 1/4	5 5/8	7/16	7/16	15/32	5/8-11UNC x 5/8	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8 x 2 3/4	40.00	1680
U2	10 1/8	1 1/16	9 1/16	6.000	5.4610	8 3/8	7	1 1/4	8 5/8	7/16	7/16	15/32	5/8-11UNC x 5/8	2 7/16 - 4 1/4	4 3/8 - 5	3	5/8 x 2 3/4	50.00	1680
W1	8 1/4	1 7/16	6 13/16	8.500	8.1016	12 1/2	10	1 1/4	6 3/8	7/16	7/16	9/16	3/4-10UNC x 1 1/4	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	104.00	3000
W2	11 1/4	1 7/16	9 13/16	8.500	7.9141	12 1/2	10	1 1/4	9 3/8	7/16	7/16	9/16	3/4-10UNC x 1 1/4	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4 x 3	133.00	3000
Y0*	11 1/8	2	9 1/8	12.000	11.4688	16 1/2	14 1/2	2	8 1/2	5/8	5/8	5/8	1-8UNC x 1 1/2	6 - 7 15/16	8 - 10	4	1 x 5	270.00	7200

SPLIT TAPER (PST) STEEL BUSHING

STOCK BORES	KEY SEAT	G	H	P1	P2	P3	B	Q1	Q2	Q3	R1	R2	S1
3/8	NONE	x	x	-	-	-	-	-	-	-	-	-	-
7/16	NONE	x	x	-	-	-	-	-	-	-	-	-	-
1/2	1/8 x 1/16	x	x	x	-	-	x	-	-	-	-	-	-
9/16	1/8 x 1/16	x	x	x	-	-	x	-	-	-	-	-	-
19/32	3/16 x 3/32	-	x	-	-	-	-	-	-	-	-	-	-
5/8	3/16 x 3/32	x	x	x	-	-	x	-	-	-	-	-	-
21/32	3/16 x 3/32	-	x	x	-	-	-	-	-	-	-	-	-
11/16	3/16 x 3/32	x	x	x	-	-	x	-	-	-	-	-	-
3/4	3/16 x 3/32	x	x	x	x	-	x	x	-	-	-	-	-
25/32	3/16 x 3/32	-	x	x	-	-	-	-	-	-	-	-	-
13/16	3/16 x 3/32	x	x	x	x	-	x	x	-	-	-	-	-
7/8	3/16 x 3/32	x	x	x	x	-	x	x	-	-	-	-	-
15/16	1/4 x 1/8	x*	x	x	x	-	x	x	-	-	-	-	-
31/32	1/4 x 1/8	-	x	x	-	-	-	-	-	-	-	-	-
1	1/4 x 1/8	x*	x	x	x	-	x	x	x	-	-	-	-
1 1/16	1/4 x 1/8	-	x	x	x	-	x	x	x	-	-	-	-
1 1/8	1/4 x 1/8	-	x	x	x	x	x	x	x	-	x	-	-
1 3/16	1/4 x 1/8	-	x	x	x	-	x	x	x	-	x	-	-
1 1/4	1/4 x 1/8	-	x*	x	x	-	x	x	x	-	x	-	-
1 5/16	5/16 x 5/32	-	x*	x	x	-	x	x	x	-	x	-	-
1 3/8	5/16 x 5/32	-	x*	x	x	x*	x	x	x	x	x	-	-
1 3/8	3/8 x 3/16	-	x*	x	x	-	x	x	x	-	x	-	-
1 7/16	3/8 x 3/16	-	x*	x	x*	-	x	x	x	x	x	x	-
1 1/2	3/8 x 3/16	-	x*	x	x	-	x	x	x	x	x	x	-
1 9/16	3/8 x 3/16	-	-	x	x	-	x	x	x	x	x	x	-
1 5/8	3/8 x 3/16	-	-	x	x	x	x	x	x	x	x	x	-
1 11/16	3/8 x 3/16	-	-	x	x	-	x	x	x	x	x	x	x
1 3/4	3/8 x 3/16	-	-	x	x	-	x	x	x	x	x	x	x

STOCK BORES	KEY SEAT	B	Q1	Q2	Q3	R1	R2	S1	S2	U0	U1	U2
1 13/16	1/2 x 1/4	x	x	x	x	x	x	-	-	-	-	-
1 7/8	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
1 15/16	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
2	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
2 1/16	1/2 x 1/4	x	x	x	x	x	x	-	-	-	-	-
2 1/8	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
2 3/16	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
2 1/4	1/2 x 1/4	x	x	x	x	x	x	x	-	-	-	-
2 5/16	5/8 x 5/16	x	x	x	x	x	x	x	-	-	-	-
2 3/8	5/8 x 5/16	x	x	x	x	x	x	x	x	x	-	-
2 7/16	5/8 x 5/16	x	x	x	x	x	x	x	x	x	x	-
2 1/2	5/8 x 5/16	-	x	x	x	x	x	x	x	x	x	x
2 9/16	5/8 x 5/16	-	x	x	-	x	x	x	x	x	x	x
2 5/8	5/8 x 5/16	-	x	x	-	x	x	x	x	x	x	x
2 11/16	5/8 x 5/16	-	x	-	-	x	x	x	x	x	x	x
2 3/4	5/8 x 5/16	-	-	-	-	x	x	x	x	x	x	x
2 13/16	3/4 x 3/8	-	-	-	-	x	x	-	-	-	-	-
2 7/8	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x
2 15/16	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x
3	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x
3 1/8	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x
3 3/16	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x
3 1/4	3/4 x 3/8	-	-	-	-	x	x	x	x	x	x	x

STOCK BORES	KEY SEAT	R1	R2	S1	S2	U0	U1	U2	W1	W2
3 3/8	7/8 x 7/16	x	x	x	x	x	x	x	x	x
3 7/16	7/8 x 7/16	x	x	x	x	x	x	x	x	x
3 1/2	7/8 x 7/16	x	x	x	x	x	x	x	x	x
3 5/8	7/8 x 7/16	x	x	x	x	x	x	x	x	x
3 11/16	7/8 x 7/16	x	-	x	x	x	x	x	x	x
3 3/4	7/8 x 7/16	x	-	x	x	x	x	x	x	x
3 7/8	1 x 1/2	-	-	x	x	x	x	x	x	x
3 15/16	1 x 1/2	-	-	x	x	x	x	x	x	x
4	1 x 1/2	-	-	x	x	x	x	x	x	x
4 1/8	1 x 1/2	-	-	x	x	x	x	x	x	x
4 3/16	1 x 1/2	-	-	x	x	x	x	x	x	x
4 1/4	1 x 1/2	-	-	x	-	x	x	x	x	x
4 3/8	1 x 1/2	-	-	-	-	x	x	x	x	x
4 7/16	1 x 1/2	-	-	-	-	x	x	x	x	x
4 1/2	1 x 1/2	-	-	-	-	x	x	x	x	x
4 5/8	1 1/4 x 5/8	-	-	-	-	x	x	x	x	x
4 11/16	1 1/4 x 5/8	-	-	-	-	x	x	-	x	x
4 3/4	1 1/4 x 5/8	-	-	-	-	x	x	x	x	x
4 7/8	1 1/4 x 5/8	-	-	-	-	x	x	x	-	x
4 15/16	1 1/4 x 5/8	-	-	-	-	x	x	x	x	x
5	1 1/4 x 5/8	-	-	-	-	x	x	x	x	x

STOCK BORES	KEY SEAT	U0	U1	W1	W2
5 1/8	1 1/4 x 5/8	x	x	x	x
5 3/16	1 1/4 x 5/8	x	x	x	x
5 1/4	1 1/4 x 5/8	x	x	x	x
5 3/8	1 1/4 x 5/8	x	x	x	x
5 7/16	1 1/4 x 5/8	x	x	x	x
5 1/2	1 1/4 x 5/8	x	x	x	x

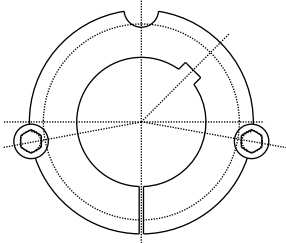
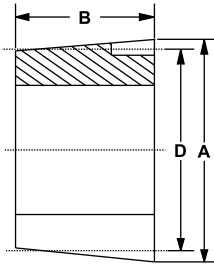
STOCK BORES	KEY SEAT	W1	W2	STOCK BORES	KEY SEAT	W1	W2
5 5/8	1 1/2 x 3/4	x	x	6 7/16	1 3/4 x 3/4	x	x
5 3/4	1 1/2 x 3/4	x	x	6 1/2	1 3/4 x 3/4	x	x
5 7/8	1 1/2 x 3/4	x	x	6 5/8	1 3/4 x 3/4	x	x
5 15/16	1 1/2 x 3/4	x	x	6 3/4	1 3/4 x 3/4	x	x
6	1 1/2 x 3/4	x	x	6 7/8	1 3/4 x 3/4	x	x
6 1/8	1 1/2 x 3/4	x	x	6 15/16	1 3/4 x 3/4	x	x
6 3/16	1 1/2 x 3/4	x	x	7	1 3/4 x 3/4	x	x
6 1/4	1 1/2 x 3/4	x	x	7 1/8	1 3/4 x 3/4	x	x
6 3/8	1 1/2 x 3/4	x	x	7 3/16	1 3/4 x 3/4	x	x
6 7/16	1 1/2 x 3/4	x	x	7 1/4	1 3/4 x 3/4	x	x
6 1/2	1 1/2 x 3/4	x	x	7 3/8	1 3/4 x 3/4	x	x
6 3/8	1 3/4 x 3/4	x	x	7 7/16	1 3/4 x 3/4	x	x

NOTE : SetScrew size may vary depending on hub wall thickness.
As a general rule, the hub wall over the keyway should be equal to or greater than the diameter of the setscrew.

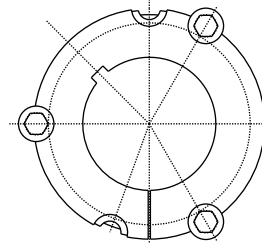
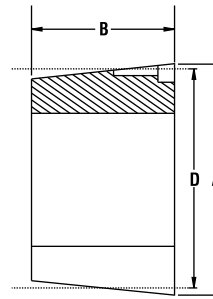
* 1 3/8 Bore Bushings with 5/16 x 5/32" Keyway will be shipped unless the 3/8 x 3/16 Keyway is specified on the order.

* These sizes have a Shallow Keyseat. Special Keys are furnished to fit standard depth keyseats in shafts.

TAPER LOCK (TL®) STEEL BUSHING



1008 THROUGH 3030



3535 THROUGH 5050

BUSHING NO.	A	B	D BOLT CIRCLE	CAPSCREWS		STOCK BORE RANGE			WRENCH TOQUE IN. LBS.	TORQUE CAP LB. IN.	WGT. (APX.) LBS.
						MIN.	MAX.				
				DIA.	LENGTH		STD. KW.	SHALLOW KW.			
1008	1 25/64	7/8	1 21/64	1/4	1/2	1/2	7/8	1	55	1,200	0.27
1108	1.511	7/8	1 29/64	1/4	1/2	1/2	1	1 1/8	55	1,300	0.33
1210	1/78	1	1 3/4	3/8	5/8	1/2	1 1/4	1 1/4	175	3,600	0.61
1215	1 7/8	1 1/2	1 3/4	3/8	5/8	1/2	1 1/4	1 1/4	175	3,550	0.80
1610	2 1/4	1	2 1/8	3/8	5/8	1/2	1 1/2	1 5/8	175	4,300	0.90
1615	2 1/4	1 1/2	2 1/8	3/8	5/8	1/2	1 1/2	1 5/8	175	4,300	1.20
2012	2 3/4	1 1/4	2 5/8	7/16	7/8	1/2	1 7/8	2	280	7,150	1.70
2517	3 3/8	1 3/4	3 1/4	1/2	1	1/2	2 1/4	2 1/2	430	11,600	3.50
2525	3 3/8	2 1/2	3 1/4	1/2	1	3/4	2 1/4	2 1/2	430	11,300	4.90
3020	4 1/4	2	4	5/8	1 1/4	15/16	2 3/4	3	800	24,000	6.50
3030	4 1/4	3	4	5/8	1 1/4	15/16	2 3/4	3	800	24,000	9.20
3535	5	3 1/2	4.83	1/2	1 1/2	1 3/16	3 1/4	3 1/2	1000	44,800	14.0
4040	5 3/4	4	5.54	5/8	1 3/4	1 7/16	3 5/8	4	1700	77,300	22.0
4545	6 3/8	4 1/2	6.13	3/4	2	1 15/16	4 1/4	4 1/2	2450	110,000	30.0
5050	7	5	6.72	7/8	2 1/4	2 7/16	4 1/2	5	3100	126,000	38.0

STANDARD KEYSEATS

BORE RANGE	KEYSEAT	BORE RANGE	KEYSEAT
1/2 - 9/16	1/8 x 1/16	2 5/16-2 3/4	5/8 x 5/16
5/8 - 7/8	3/16 x 3/32	2 13/16-3 1/4	3/4 x 3/8
15/16-1 1/4	1/4 x 1/8	3 3/8 -3 3/4	7/8 x 7/16
1 5/16-1 3/8	5/16 x 5/32	3 7/8 -4 1/2	1 x 1/2
1 7/16-1 3/4	3/8 x 3/16	4 5/8 -5	1 1/4 x 5/8
1 13/16-2 1/4	1/2 x 1/4		

1 3/8 Bore Bushings also available with 3/8X3/16 Kw.

TAPER LOCK (TL®) STEEL BUSHING

STOCK BORES BUSHING

STOCK BORE	1008	1108	1210	1215	1310	1610	1615	2517	2012	2525	3020	3030	3535
1/2	x	x	x	x	x	x	x	x	x	-	-	-	-
9/16	x	x	x	x	x	x	x	x	x	-	-	-	-
5/8	x	x	x	x	x	x	x	x	x	-	-	-	-
(11/16)	x	x	x	x	x	x	x	x	x	-	-	-	-
3/4	x	x	x	x	x	x	x	x	x	x	-	-	-
(13/16)	x	x	x	x	x	x	x	x	x	x	-	-	-
7/8	x	x	x	x	x	x	x	x	x	x	-	-	-
(15/16)	x	x	x	x	x	x	x	x	x	x	x	x	-
1	x	x	x	x	x	x	x	x	x	x	x	x	-
1 (1/16)	-	x	x	x	x	x	x	x	x	x	x	x	-
1 1/8	-	x	x	x	x	x	x	x	x	x	x	x	-
1 (3/16)	-	-	x	x	x	x	x	x	x	x	x	x	x
1 1/4	-	-	x	x	x	x	x	x	x	x	x	x	x
1 (5/16)	-	-	-	-	x	x	x	x	x	x	x	x	x
1 3/8	-	-	-	-	x	x	x	x	x	x	x	x	x
STOCK BORE	1310	1610	1615	2012	2517	2525	3020	3030	3535	4040	4545	5050	
1 7/16	x	x	x	x	x	x	x	x	x	x	-	-	
1 1/2	-	x	x	x	x	x	x	x	x	x	-	-	
1 9/16	-	x	x	x	x	x	x	x	x	-	-	-	
1 5/8	-	x	x	x	x	x	x	x	x	x	-	-	
1 11/16	-	-	-	x	x	x	x	x	x	x	-	-	
1 3/4	-	-	-	x	x	x	x	x	x	x	-	-	
1 13/16	-	-	-	x	x	x	x	x	-	x	-	-	
1 7/8	-	-	-	x	x	x	x	x	x	x	-	-	
1 15/16	-	-	-	x	x	x	x	x	x	x	x	-	
2	-	-	-	-	x	x	x	x	x	x	x	x	
2 1/16	-	-	-	-	x	x	x	x	-	-	-	-	
2 1/8	-	-	-	-	x	x	x	x	x	x	-	-	
2 3/16	-	-	-	-	x	x	x	x	x	x	x	-	
2 1/4	-	-	-	-	x	x	x	x	x	x	-	-	
2 5/16	-	-	-	-	x	x	x	x	x	x	-	-	
2 3/8	-	-	-	-	x	x	x	x	x	x	x	-	
2 7/16	-	-	-	-	x	x	x	x	x	x	x	x	
2 1/2	-	-	-	-	x	x	x	x	x	x	-	-	
2 9/16	-	-	-	-	-	-	x	x	-	x	-	-	
2 5/8	-	-	-	-	-	-	x	x	x	x	x	-	

STOCK BUSHING BORES

STOCK BORE	3020	3030	3535	4040	4545	5050
2 11/16	x	x	x	x	-	-
2 3/4	x	x	x	x	x	-
2 13/16	x	x	-	x	-	-
2 7/8	x	x	x	x	x	-
2 15/16	x	x	x	x	x	x
3	x	x	x	x	x	-
3 1/16	-	-	x	-	-	-
3 1/8	-	-	x	x	x	-
3 3/16	-	-	x	x	x	-
3 1/4	-	-	x	x	x	-
3 5/16	-	-	x	x	-	-
3 3/8	-	-	x	x	x	x
3 7/16	-	-	x	x	x	x
3 1/2	-	-	x	x	x	-
3 9/16	-	-	-	x	-	-
3 5/8	-	-	-	x	x	x
3 11/16	-	-	-	x	x	-
3 3/4	-	-	-	x	x	-
3 13/16	-	-	-	x	-	-
3 7/8	-	-	-	x	x	x
3 15/16	-	-	-	x	x	x
4	-	-	-	x	x	x
4 1/8	-	-	-	-	x	-
4 3/16	-	-	-	-	x	-
4 1/4	-	-	-	-	x	x
4 3/8	-	-	-	-	x	x
4 7/16	-	-	-	-	x	x
4 1/2	-	-	-	-	x	x
4 7/8	-	-	-	-	-	x
4 15/16	-	-	-	-	-	x
5	-	-	-	-	-	x

Stock Milimeter Bore Bushings

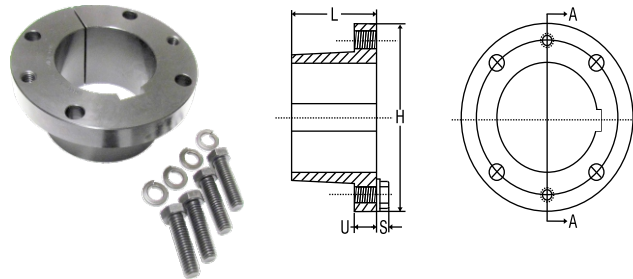
STOCK BORE	KEYSEAT (Millimeter)	1008	1108	1210	1215	1310	1610	1615	2012	2517	2525	3020	3030	3535	4040	4545	5050
12mm	4 X 4	-	x	-	-	-	x	x	-	-	-	-	-	-	-	-	-
14mm	5 X 5	x	x	x	-	x	x	x	x	-	-	-	-	-	-	-	-
15mm	5 X 5	x	x	x	-	x	x	x	x	x	-	-	-	-	-	-	-
16mm	5 X 5	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	-
18mm	6 X 6	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	-
17mm	6 X 6	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	-
19mm	6 X 6	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-
20mm	6 X 6	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-
22mm	6 X 6	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-
24mm	8 X 7	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
25mm	8 X 7	-	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-
28mm	8 X 7	-	-	x	x	x	x	x	x	x	x	x	-	-	-	-	-
30mm	8 X 7	-	-	x	x	x	x	x	x	x	x	x	-	-	-	-	-
32mm	10 X 8	-	-	x	x	x	x	x	x	x	x	x	-	-	-	-	-
35mm	10 X 8	-	-	-	-	x	x	x	x	x	x	x	x	-	-	-	-
38mm	10 X 8	-	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-
40mm	12 X 8	-	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-
42mm	12 X 8	-	-	-	-	-	x	x	x	x	x	x	x	-	-	-	-
45mm	14 X 9	-	-	-	-	-	-	x	x	x	x	x	x	-	-	-	-
48mm	14 X 9	-	-	-	-	-	-	-	x	x	x	x	x	x	-	-	-
50mm	14 X 9	-	-	-	-	-	-	-	-	x	x	x	x	x	-	-	-
55mm	16 X 10	-	-	-	-	-	-	-	-	x	x	x	x	x	x	-	-
60mm	18 X 11	-	-	-	-	-	-	-	-	-	x	x	x	x	x	x	-
65mm	18 X 11	-	-	-	-	-	-	-	-	-	-	x	x	x	x	x	-
70mm	20 X 12	-	-	-	-	-	-	-	-	-	-	-	x	x	x	x	-
75mm	20 X 12	-	-	-	-	-	-	-	-	-	-	-	-	x	x	x	-
80mm	22 X 14	-	-	-	-	-	-	-	-	-	-	-	-	-	x	x	-
85mm	22 X 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x	-
90mm	25 X 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x
95mm	25 X 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
100mm	28 X 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110mm	28 X 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
115mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
125mm	32 X 18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

XT® STEEL BUSHING FOR CONVEYOR PULLEYS

BUSHING	DIMENSIONS				CAP SCREWS		WGT. LBS.
	L	U	H	S	No.	SIZE	
XTB15	1 1/8	3/8	2 7/8	5/32	4	1/4 x 1	0.70
XTB20	1 13/32	15/32	3 3/4	7/32	4	5/16 x 1 1/4	1.50
XTB25	1 7/8	5/8	4 7/16	1/4	4	3/8 x 1 3/4	2.60
XTB30	2 1/16	11/16	5 5/16	9/32	4	7/16 x 1 1/2	4.20
XTB35	2 15/32	25/32	6 5/16	5/16	4	1/2 x 1 3/4	7.40
XTB40	2 13/16	7/8	7 1/8	3/8	4	9/16 x 2	10.50
XTB45	3 5/16	15/16	8	13/32	4	5/8 x 2 1/4	14.80
XTB50	3 3/4	1	10 1/8	15/32	4	3/4 x 2 1/2	27.80
XTB60	4 1/8	1 1/8	11 15/16	9/16	4	7/8 x 2 1/2	42.80
XTB70	4 11/16	1 5/16	13 15/16	5/8	4	1 x 3	66.30
XTB80	5 1/8	1 3/8	15 5/8	11/16	4	1 1/8 x 3 1/2	85.70
XTB100	6 3/16	1 9/16	17 15/16	11/16	6	1 1/8 x 3 1/2	146.00
XTB120	7 1/16	1 3/4	20 5/8	11/16	8	1 1/8 x 3 1/2	216.00

STOCK XT® BUSHING

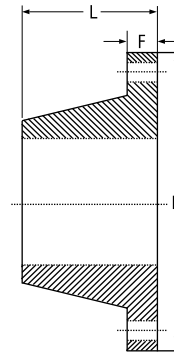
BUSHING	STOCK BORE	KEYSEAT	KEY SUPPLIED
XTB15	5/8*, 3/4*, 7/8* 1*, 1 1/8*, 1 3/16*, 1 1/4*, 1 7/16*, 1 1/2*	3/16" x 3/32" 1/4 x 1/8 3/8 x 1/8	None None 3/8 x 5/16 x 1 1/8
XTB20	3/4, 1, 1 3/16, 1 1/4, 1 7/16, 1 1/2, 1 11/16, 1 15/16, 2	3/16" x 3/32" 1/4 x 1/8 3/8 x 3/16 1/2 x 3/16	None None None 1/2 x 7/16 x 1 3/8
XTB25	1, 1 3/16, 1 1/4 1 7/16, 1 1/2, 1 11/16 1 15/16, 2, 2 3/16*, 2 7/16	1/4 x 1/8 3/8 x 3/16 1/2 x 1/4 5/8 x 1/8	None None None 5/8 x 7/16 x 1 3/4
XTB30	1 7/16, 1 1/2 1 15/16, 2 3/16, 2 7/16, 2 11/16*, 2 15/16*	3/8 x 3/16 1/2 x 1/4 5/8 x 5/16 3/4 x 3/16	None None None 3/4 x 9/16 x 2
XTB35	1 15/16, 2 3/16, 2 7/16, 2 11/16*, 2 15/16*, 3 7/16*	1/2 x 1/4 5/8 x 5/16 3/4 x 3/8 7/8 x 5/16	None None None 7/8 x 3/4 x 2 1/2
XTB40	2 7/16 2 15/16 3 7/16*, 3 15/16	5/8 x 5/16 3/4 x 3/8 7/8 x 7/16 1 x 3/8	None None None 1 x 7/8 x 2 3/4
XTB45	3 7/16 3 15/16 4 7/16*	7/8 x 7/16 1 x 1/2 1 x 3/8	None None 1 7/8 x 3 1/4
XTB50	3 15/16, 4 7/16 4 15/16	1 1/2 1 1/4 x 5/8	None None
XTB60	5 7/16, 5 1/2 5 15/16, 6	1 1/4 x 5/8 1 1/2 x 3/4	None None
XTB70	6 7/16, 6 1/2 6 15/16, 7	1 1/2 x 3/4 1 3/4 x 3/4	None None
XTB80	7 1/2 7 15/16, 8	1 3/4 x 3/4 2 x 3/4	None None
XTB100	8 1/2, 9 9 7/16, 9 1/2, 10	2 x 3/4 2 1/2 x 7/8	None None
XTB120	10 1/2, 11 11 1/2, 12	2 1/2 x 7/8 3 x 1	None None


RECOMMENDED WRENCH TORQUE

XT SIZE	WRENCH TORQUE (IN LBS.)	CAP SCREW SIZE
15	95	1/4
20	200	5/16
25	350	3/8
30	550	7/16
35	840	1/2
40	1200	9/16
45	1680	5/8
50	3000	3/4
60	4800	7/8
70	7200	1
80	9000	1 1/8
100	9000	1 1/8
120	9000	1 1/8

XT® is a registered trademark of Emerson Electric Co.

HE® STEEL BUSHING FOR CONVEYOR PULLEYS



HE-25 TO HE 120

BUSHING	DIMENSIONS				BOLT SPECIFICATION		WRENCH TORQUE (FT.-LBS.)
	MAX. BORE	L	F	H	NO. OF BOLTS	SIZE OF BOLTS	
HE-25	2-1/2	2-3/4	3/4	4-5/8	4	3/8 -16 x 1-1/2	30.00
HE-30	3	2-3/4	7/8	5-5/8	4	1/2 -13 x 1-3/4	60.00
HE-35	3-1/2	3	7/8	6-5/8	4	9/16 -12 x 2	90.00
HE-40	4	3-1/2	1	7-1/2	4	5/8 -11 x 2-1/2	140.00
HE-45	4-1/2	4	1-1/4	8-3/4	6	5/8 -11 x 2-1/2	140.00
HE-50	5	4-1/2	1-1/2	9-5/8	6	3/4 -10 x 3	200.00
HE-60	6	5-1/4	1-3/4	11-1/8	6	7/8 - 9 x 3-1/2	350.00
HE-70	7	6-1/4	2	12-3/4	6	1 - 8 x 4	500.00
HE-80	8	7	2-1/4	14-1/2	6	1-1/8- 7 x 4-1/4	500.00
HE-100	10	9	3	17	6	1-4/4- 7 x 5-1/2	600.00
HE-120	12	10	3	20	6	1-1/4- 7 x 5-1/2	600.00

Limited Availability, Check Stock.