

Browning®

Bushings...

BROWNING® SPLIT TAPER® BUSHING

- Solid flange to maintain concentric bores
- 3/4" taper per foot – self locking
- Double split barrel for positive clamping
- External key on most sizes for positive drive and greater torque carrying capabilities
- Available in inch, metric and spline bores
- Bore range from 3/8" to 7 7/16"



BROWNING® SPLIT TAPER® & Q-D® BUSHINGS

THE BROADEST RANGE OF BUSHING SYSTEMS FROM A SINGLE SOURCE

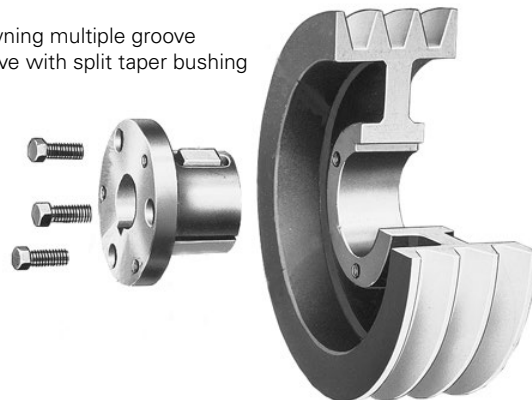
Along with the proven Browning Split Taper Bushing, Q-D bushing systems are available.

Depending on your drive requirements, select from any of these bushing systems, to obtain the most effective combination of components, or choose your own preferred bushing type.

Browning Split Taper Bushings

- Lifetime guarantee
- Keyed to both shaft and hub. External key provides positive drive with no torque on the cap screws
- Highest torque carrying capacity in the Browning bushing product line
- Double split barrel assures true concentricity - grips the shaft with positive clamp fit
- Standard sizes - 3/8" - 7 7/16" bore sizes
- Metric Sizes - 10mm - 95mm bore sizes
- Spline Bore - 5/8" - 1 3/8", 6B and 10B, 10 and 21 involute.

Browning multiple groove sheave with split taper bushing



Browning Q-D Bushings

- Standard Sizes - 1/2" - 7" bore range.
- Metric Sizes - 24 mm - 100 mm bore range.
- For use with Browning sheaves, sprockets and pulleys; fully interchangeable with competitive Q-D bushings.



Split taper bushing



Q-D bushing

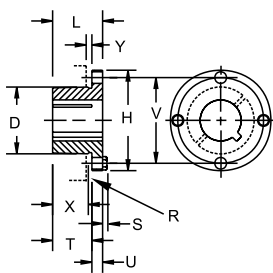
SPLIT TAPER BUSHINGS



Type 1 Bushings

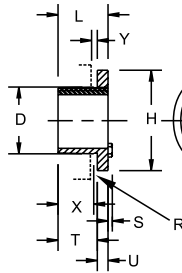


Type 2 Bushings

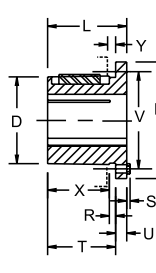


"G" & "H" BUSHINGS

TYPE 1

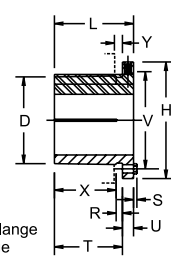


TYPE 2



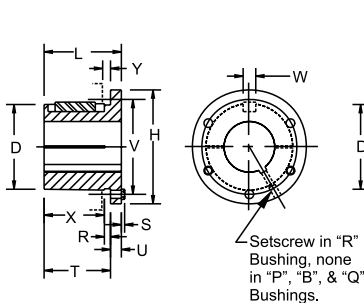
"S" & "U" BUSHINGS

TYPE 1



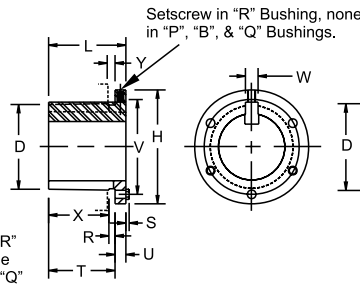
TYPE 2

"U1" & "U2" Are Split thru Flange.
"U0" (Type 2 Only) is Solid Flange.
"S1" & "S2" Are Solid Flange.

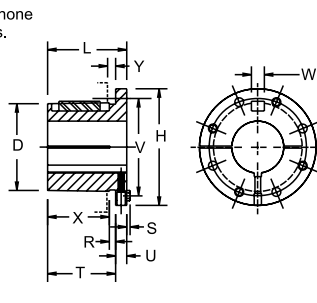


"P", "B", "Q", & "R" BUSHINGS

TYPE 1

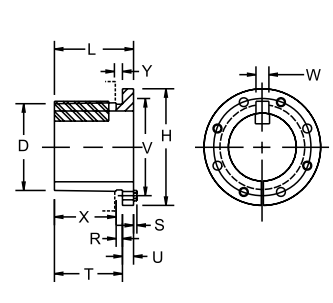


TYPE 2



"W" & "Y" BUSHINGS

TYPE 1



TYPE 2

Table No.1

Bushing Specifications

Part No	Dimensions (in.)												Bore Range (in.)		Cap Screws		Av. Wt. Lbs.	Wrench Torque In-Lbs.
	L	U	T	D		H	V	W	X	Y	R	S	Type 1	Type 2	No.	Size		
				Large End	Small End													
G	1	1/4	3/4	1,172	1,134	2	1 9/16	—	10/16	3/16	1/8	3/16	3/8 - 15/16	1	2	1/4-20 x 5/8	0,5	95
H	1 1/4	1/4	1	1,625	1,571	2 1/2	2	—	14/16	3/16	1/8	3/16	3/8 - 1 1/8	1 7/16 - 1 1/2	2	1/4-20 x 5/8	0,8	95
P1	1 15/16	3/8	1 9/16	1,938	1,856	3	2 7/16	3/8	1 5/16	5/16	1/4	13/64	1/2 - 1 7/16	1 1/2 - 1 3/4	3	5/16-18 x 1	1,3	192
P2	2 15/16	3/8	2 9/16	1,938	1,793	3	2 7/16	3/8	2 5/16	5/16	1/4	13/64	3/4 - 1 7/16	1 1/2 - 1 3/4	3	5/16-18 x 1	1,5	192
P3	4 7/16	3/8	4 1/16	1,938	1,699	3	2 7/16	3/8	3 13/16	5/16	1/4	13/64	1 1/8 - 1 3/8	1,625	3	5/16-18 x 1	1,5	192
B	1 15/16	1/2	1 7/16	2,625	2,557	3 11/16	3 2/16	1/2	1 1/16	3/8	5/16	13/64	1/2 - 1 15/16	2 - 2 7/16	3	5/16-18 x 1 1/4	1,8	192
Q1	2 1/2	1/2	2	2,875	2,769	4 1/8	3 3/8	1/2	1 11/16	3/8	1/4	15/64	3/4 - 2 1/16	2 1/8 - 2 11/16	3	3/8-16 x 1 1/4	3,5	348
Q2	3 1/2	1/2	3	2,875	2,707	4 1/8	3 3/8	1/2	2 11/16	3/8	1/4	15/64	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8-16 x 1 1/4	4,5	348
Q3	5	1/2	4 8/16	2,875	2,613	4 1/8	3 3/8	1/2	4 3/16	3/8	1/4	15/64	1 3/8 - 2 1/16	2 1/8 - 2 1/2	3	3/8-16 x 1 1/4	5,5	348
R1	2 7/8	5/8	2 1/4	4,000	3,877	5 3/8	4 5/8	3/4	1 15/16	5/16	1/4	15/64	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8-16 x 1 3/4	7,5	348
R2	4 7/8	5/8	4 1/4	4,000	3,752	5 3/8	4 5/8	3/4	3 15/16	5/16	1/4	15/64	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8-16 x 1 3/4	11	348
S1	4 3/8	3/4	3 5/8	4,623	4,420	6 3/8	5 3/8	3/4	3 1/4	7/16	3/8	5/16	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2-13 x 2 1/4	13,5	840
S2	6 3/4	3/4	6	4,623	4,272	6 3/8	5 3/8	3/4	5 5/8	7/16	3/8	5/16	1 7/8 - 3 3/16	3 1/4 - 4 3/16	3	1/2-13 x 2 1/4	19	840
U0	4 15/16	3/4	4 3/16	5,997	5,768	8 3/8	7	1 1/4	3 11/16	9/16	1/2	3/8	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8-11 x 2 3/4	27	1680
U1	7 1/8	1 3/16	5 15/16	5,997	5,658	8 3/8	7	1 1/4	5 7/16	9/16	1/2	3/8	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8-11 x 2 3/4	40	1680
U2	10 1/8	1 3/16	8 15/16	5,997	5,471	8 3/8	7	1 1/4	8 7/16	9/16	1/2	3/8	2 7/16 - 4 1/4	4 3/8 - 5	3	5/8-11 x 2 3/4	50	1680
W1	8 1/4	1 7/16	6 13/16	8,496	8,104	12 1/2	10	1 1/4	6 1/4	9/16	1/2	1/2	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4-10 x 3	104	3000
W2	11 1/4	1 7/16	9 13/16	8,496	7,916	12 1/2	10	1 1/4	9 1/4	9/16	1/2	1/2	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4-10 x 3	133	3000
Y0*	11 1/8	2	9 1/8	12,000	11,469	16 1/2	14 1/2	2	8 1/2	11/16	5/8	5/8	6 - 7 15/16	8-10	4	1-8 x 5	270	7200

Table No.2 - Flange Set Screw

	Thread	Tightening Torque (in-lb)
R	5/16-18	165
S,U	3/8-16	290
W,Y	1/2-13	620

R1 - 1 1/8, R1 1 3/16, R2 1 3/8, S1 1 11/16, S1 1 3/4 and S2 1 7/8" to 2 1/8" Bushings are steel. U0 and U1 2 3/8" to 3 3/16" and U2 2 7/16" to 3 3/16" are cast iron. "W" and "Y" Bushings are Gray Iron. All other Bushings on this page are either sintered steel or ductile iron.

Contact Application Engineering for clarification.

*Y0 Bushings are made-to-order.

Note: Taper on all Browning® Split Bushings is 3/4" per foot on diameter.

BROWNING® SPLIT TAPER® BUSHINGS

Complete Round Shaft Coverage
Plus Millimeter and Spline Bores

Table No.1 Stock Inch Bore Bushings

Stock Bore	Keyseat	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	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
		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	X	-	-	-	
1 15/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2 1/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2 1/8	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2 3/16	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2 1/4	1/2 x 1/4	X	X	X	X	X	X	X	X	-	-	-	
2 5/16	5/8 x 5/16	X	X	X	X	X	X	X	X	-	-	-	
2 3/8	5/8 x 5/16	X	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	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	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	
		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 3/26	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	-	-			
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	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			
		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								

▲ 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.

Table No.1 (Cont'd.)

Stock Bore	Keyseat	W1	W2
5 5/8	1 1/2 x 3/4	X	X
5 3/4	1 1/2 x 3/4	X	X
5 7/8	1 1/2 x 3/4	X	X
5 15/16	1 1/2 x 3/4	X	X
6	1 1/2 x 3/4	X	X
6 1/8	1 1/2 x 3/4	X	X
6 3/16	1 1/2 x 3/4	X	X
6 1/4	1 1/2 x 3/4	X	X
6 3/8	1 1/2 x 3/4	X	X
6 7/16	1 1/2 x 3/4	X	X
6 1/2	1 1/2 x 3/4	X	X
6 5/8	1 3/4 x 3/4	X	X
6 3/4	1 3/4 x 3/4	X	X
6 7/8	1 3/4 x 3/4	X	X
6 15/16	1 3/4 x 3/4	X	X
7	1 3/4 x 3/4	X	X
7 1/8	1 3/4 x 3/4	X	X
7 3/16	1 3/4 x 3/4	X	X
7 1/4	1 3/4 x 3/4	X	X
7 3/8	1 3/4 x 3/4	X	X
7 7/16	1 3/4 x 3/4	X	X

Table No.2 Stock Millimeter Bore Bushings

Stock Bore	Keyseat (Millimeters)	G	H	P1	B	Q1	R1	R2
10 mm.	None	X	X	-	-	-	-	-
11 mm.	None	X	X	-	-	-	-	-
12 mm.	None	X	X	-	-	-	-	-
14 mm.	5 x 25	X	X	X	-	-	-	-
15 mm.	5 x 25	-	-	X	X	-	-	-
16 mm.	5 x 25	X	X	X	X	-	-	-
18 mm.	6 x 3	X	X	X	X	-	-	-
19 mm.	6 x 3	X	X	X	X	X	-	-
20 mm.	6 x 3	X	X	X	X	X	-	-
22 mm.	6 x 3	X	X	X	X	X	-	-
24 mm.	8 x 3.5	X	X	X	X	X	-	-
25 mm.	8 x 3.5	X	X	X	X	X	-	-
28 mm.	8 x 3.5	-	X	X	X	X	X	-
30 mm.	8 x 3.5	-	X	X	X	X	X	-
32 mm.	10 x 4	-	X	X	X	X	X	-
35 mm.	10 x 4	-	X	X	X	X	X	X
36 mm.	10 x 4	-	X	X	X	X	X	X
38 mm.	10 x 4	-	X	X	X	X	X	X
39 mm.	12 x 4	-	-	X	X	-	X	X
40 mm.	12 x 4	-	-	X	X	X	X	X
42 mm.	12 x 4	-	-	X	X	X	X	X
45 mm.	14 x 4.5	-	-	-	X	X	X	X
48 mm.	14 x 4.5	-	-	-	X	X	X	X
50 mm.	14 x 4.5	-	-	-	X	X	X	X
55 mm.	16 x 5	-	-	-	X	X	X	X
60 mm.	18 x 5.5	-	-	-	X	X	X	X
65 mm.	18 x 5.5	-	-	-	-	X	X	X
70 mm.	20 x 6	-	-	-	-	-	X	X
75 mm.	20 x 6	-	-	-	-	-	X	X
80 mm.	22 x 7	-	-	-	-	-	-	X
85 mm.	22 x 7	-	-	-	-	-	-	X
90 mm.	25 x 7	-	-	-	-	-	-	X
95 mm.	25 x 7	-	-	-	-	-	-	X

Table No.3 Stock Spline Bore Bushings

Spline	H	P1	Q1	Q2
.978 - 10 Inv.	x	x	-	-
1 1/8 - 6B	x	x	-	-
1 1/4 - 10B	-	x	-	-
1 3/8 - 6B	x	x	x	x
1 3/8 - 10B	-	x	x	-
1 3/8 - 21Inv.	x	x	x	-

Q-D® BUSHINGS

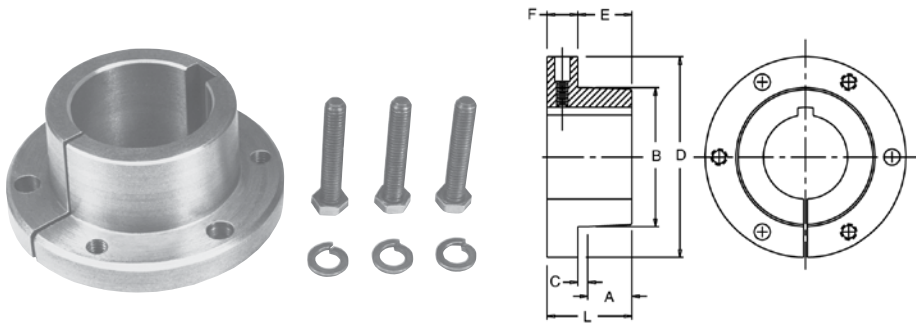


Table No.2 - Flange Set Screw

	Thread	Tightening Torque (in.-lb)
SH, SDS, SD, SK	1/4 - 20	87
SF	5/16 - 18	165
E, F, J, M	3/8 - 16	290
N	7/8 - 9	5000

Table No.1 Bushing Specifications

Bushing	Bore Range (in.)	Dimensions (in.)							Cap Screws			Torque Capacity In.-Lbs.	Wrench Torque Ft.-Lbs.	Average Weight Lbs.
		D	L	A	B	C	E	F	No.	Size	Bolt Circle			
JA	1/2 - 1 1/4	2	7/8	11/32	1 3/8	3/16	9/16	5/16	3	10 - 24 x 1	1 21/32	1000	6	0,8
SH	1/2 - 1 5/8	2 11/16	1 1/4	9/16	1 7/8	1/4	13/16	7/16	3	1/4-20 x 1 3/8	2 1/4	3500	9	1
SDS	1/2 - 2	3 1/8	1 5/16	9/16	2 3/16	1/4	7/8	7/16	3	1/4-20 x 1 3/8	2 11/16	5000	9	1,2
SD	1/2 - 2	3 1/8	1 13/16	1 1/8	2 3/16	1/4	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	3 7/8	3/4	13/16	2 13/16	3/8	1 3/16	9/16	3	5/16-18 x 2	3 5/16	7000	15	2
SF	1/2 - 2 15/16	4 5/8	2	1 1/8	3 1/8	3/8	1 7/16	9/16	3	3/8-16 x 2	3 7/8	11000	30	3,5
E	7/8 - 3 1/2	6	2 51/80	1 9/16	3 13/16	3/8	1 7/8	3/4	3	1/2-13 x 2 3/4	5	20000	60	9
F	1 - 4	6 5/8	2 11/16	2 5/16	4 7/16	7/16	2 3/4	15/16	3	9/16-12 x 3 5/8	5 5/8	30000	75	14
J	1 1/2 - 4 1/2	7 1/4	4 1/2	3 1/16	5 3/16	7/16	3 1/2	1	3	5/8-11 x 4 1/2	6 1/4	45000	135	22
M	2 - 5 1/2	9	6 3/4	5 1/16	6 1/2	7/16	5 1/2	1 1/4	4	3/4-10 x 6 3/4	7 7/8	85000	225	51
N	2 7/16 - 5 7/8	10	8 11/80	6 3/16	7	7/16	6 5/8	1 1/2	4	7/8-9 x 8	8 1/2	150000	300	66
P	2 15/16 - 7	11 3/4	9 31/80	7 3/16	8 1/4	7/16	7 5/8	1 3/4	4	1-8 x 9 1/2	10	250000	450	122

Note: All Bushings shown except JA have setscrew over keyway.



Bushing Flange Toward Machine or Motor

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

To Remove

1. Remove cap screws 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 cap screws through drilled holes in bushing flange and thread loosely into tapped holes in sheave hub.
3. Position assembly on shaft and tighten cap screws 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.

Q-D® BUSHINGS

Table No.1 Stock Inch Bore Bushings

Stock Bore	Keyseat	JA	SH	SDS	SD	SK	SF	E	F	J
1/2	1/8 x 1/16	X	X	X	X	X	X	-	-	-
9/16	1/8 x 1/16	X	X	X	X	X	X	-	-	-
5/8	3/16 x 3/32	X	X	X	X	X	X	-	-	-
1/16	3/16 x 3/32	X	X	X	X	X	X	-	-	-
3/4	3/16 x 3/32	X	X	X	X	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	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	X	-
1 1/16	1/4 x 1/8	S	X	X	X	X	X	X	X	-
1 1/8	1/4 x 1/8	S	X	X	X	X	X	X	X	-
1 3/16	1/4 x 1/8	S	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 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	-
1 3/8*	3/8 x 3/16	-	X	X	X	X	X	X	X	-
1 7/16	3/8 x 3/16	-	S	X	X	X	X	X	X	-
1 1/12	3/8 x 3/16	-	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	X	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	X	-	-
1 13/16	1/2 x 1/4	S	S	X	X	X	X	X	-	-
1 7/8	1/2 x 1/4	S	S	X	X	X	X	X	-	-
1 15/16	1/2 x 1/4	S	S	X	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	X	-		
2 3/4	5/8 x 5/16	S	X	X	X	X	X	-		
2 13/16	3/4 x 3/8	S	X	X	X	X	X	-		
2 7/8	3/4 x 3/8	S	X	X	X	X	X	-		
2 15/16	3/4 x 3/8	S	X	X	X	X	X	X		
3	3/4 x 3/8	-	S	X	X	X	X	X		
3 1/16	3/4 x 3/8	-	S	X	X	X	X	X		
3 1/8	3/4 x 3/8	-	S	X	X	X	X	X		
3 3/16	3/4 x 3/8	-	S	X	X	X	X	X		
3 1/4	3/4 x 3/8	-	S	X	X	X	X	X		
3 5/16	7/8 x 7/16	-	S	S	X	X	X	X		
3 3/8	7/8 x 7/16	-	S	S	X	X	X	X		
3 7/16	7/8 x 7/16	-	S	S	X	X	X	X		
3 1/2	7/8 x 7/16	-	S	S	X	X	X	X		
3 9/16	7/8 x 7/16	-	-	S	X	X	X	X		
3 5/8	7/8 x 7/16	-	-	S	X	X	X	X		
3 11/16	7/8 x 7/16	-	-	S	X	X	X	X		
3 3/4	7/8 x 7/16	-	-	S	X	X	X	X		
3 13/16	7/8 x 7/16	-	-	S	X	X	X	X		
3 7/8	1 x 1/2	-	-	S	S	X	X	X		
3 15/16	1 x 1/2	-	-	S	S	X	X	X		
4	1 x 1/2	-	-	N	S	X	X	X		
		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 7/16	1 x 1/2	S	X	X	X					
4 1/2	1 x 1/2	S	X	X	X					
4 9/16	1 1/4 x 5/8	S	X	X	X					
4 5/8	1 1/4 x 5/8	S	X	X	X					
4 11/16	1 1/4 x 5/8	-	X	X	X					
4 3/4	1 1/4 x 5/8	-	X	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					

Table No.1 (Cont'd.)

Stock Bore	Keyseat	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 3/16	1 1/2 x 3/4	-	S
6 1/4	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

Table No.2 Stock Millimeter Bore Bushings

Stock Bore	Keyseat (Millimeters)	SH	SDS	SD	SK	SF	E	F	J
24	8 x 3.5	X	X	X	X	-	-	-	-
25	8 x 3.5	X	X	X	X	-	-	-	-
28	8 x 3.5	X	X	X	X	X	-	-	-
30	8 x 3.5	X	X	X	X	X	-	-	-
32	10 x 4	X	X	X	X	X	-	-	-
35	10 x 4	X	X	X	X	X	-	-	-
38	10 x 4	-	X	X	X	X	X	-	-
40	12 x 4	-	X	X	X	X	X	-	-
42	12 x 4	-	X	X	X	X	X	-	-
45	14 x 4.5	-	-	-	-	X	X	X	-
48	14 x 4.5	-	X	-	X	X	X	X	-
50	14 x 4.5	-	-	-	X	X	X	X	X
55	16 x 5	-	-	-	X	X	X	X	X
60	18 x 5.5	-	-	-	-	X	X	X	X
65	18 x 5.5	-	-	-	-	-	X	X	X
70	20 x 6	-	-	-	-	-	X	X	X
75	20 x 6	-	-	-	-	-	X	X	X
80	22 x 7	-	-	-	-	-	-	X	X
85	22 x 7	-	-	-	-	-	-	X	X
90	25 x 7	-	-	-	-	-	-	X	X
95	25 x 7	-	-	-	-	-	-	-	X
100	28 x 8	-	-	-	-	-	-	-	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.

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.

WELDABLE STEEL HUBS

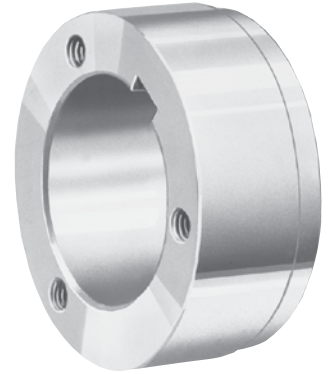
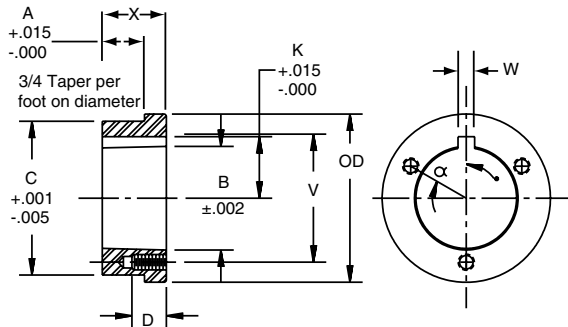


Table No.1 Steel Hubs for Browning® Split Taper® Bushings

Part No.	For Bushing	Dimensions (in.)									Tapped Holes			Wt.
		O.D.	A	B	C	K	V	W	X	a	d	No.	Size	Lbs.
HG1	G	2	0.174	1.168	1.875	-	1 9/16	-	5.8	-	5.8	2	1/4 - 20	0.4
HH1	H	2 1/2	0.174	1.621	2.375	-	2	-	7/8	-	7/8	2	1/4 - 20	0.6
HCH1	H	2 1/2	0.625	1.621	2.375	-	2	-	7/8	-	7/8	2	1/4 - 20	0.7
HP1	P1	3	0.292	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60°	5/8	3	5/16 - 18	1.4
HCP1	P1	3	1	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60°	5/8	3	5/16 - 18	1.1
HP2	P2	3	1.1	1.9375	2.875	1 3/32	2 7/16	3/8	2 5/16	60°	5/8	3	5/16 - 18	2.5
HB1	B	3 7/8	0.292	2.623	3.75	1 7/16	3 1/8	1/2	1 5/16	60°	13/16	3	5/16 - 18	2.3
HB2	B	4 1/2	0.709	2.623	4.375	1 7/16	3 1/8	1/2	1 3/4	60°	13/16	3	5/16 - 18	4.7
HQ1	Q1	4 1/2	0.709	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8 - 16	4.4
HCQ1	Q1	4 1/2	1.25	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8 - 16	4.4
HQ2	Q2	4 1/2	1.606	2.875	4.375	1 9/16	3 3/8	1/2	2 3/4	60°	7/8	3	3/8 - 16	6.9
HR1	R1	5 3/4	0.709	4	5.625	2 3/16	4 5/8	3/4	2	60°	1 1/8	3	3/8 - 16	7.3
HR2	R2	5 3/4	1.606	4	5.625	2 3/16	4 5/8	3/4	4	60°	1 1/8	3	3/8 - 16	15.4
HS1	S1	6 3/4	0.946	4.625	6.5	2 9/16	5 3/8	3/4	3 5/16	60°	1 5/8	3	1/2 - 13	17.3
HS2	S2	6 3/4	2.963	4.625	6.5	2 9/16	5 3/8	3/4	5 11/16	60°	1 5/8	3	1/2 - 13	30.4
HU0	U0	8 1/2	2	6	8.25	3 1/4	7	1 1/4	3 3/4	60°	2	3	5/8 - 11	32
HU1	U1	8 1/2	2.963	6	8.25	3 1/4	7	1 1/4	5 5/8	60°	1 3/4	3	5/8 - 11	44.6
HU2	U2	8 1/2	6.016	6	8.25	3 1/4	7	1 1/4	8 5/8	60°	1 3/4	3	5/8 - 11	69
HW1	W1	12 1/2	2.963	8.5	12.25	4 9/16	10	1 1/4	6 3/8	22 1/2°	1 3/4	4	3/4 - 10	130

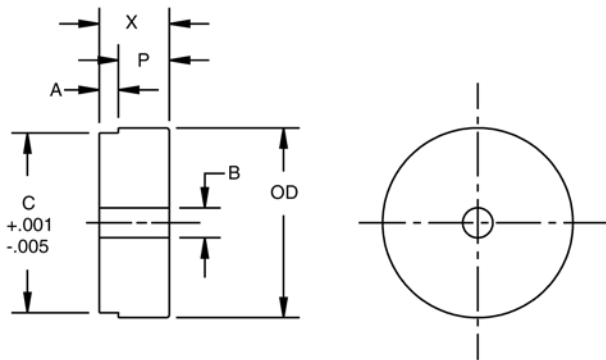


Table No.2 Type "B" Steel Hubs

Part No.	Dimensions					Bore		Wt. Lbs.
	O.D.	A	C	P	X	Stock	Max.	
HB40	3	0.281	2.875	27/32	1 1/8	1/2	1 7/8	2.3
HB50	3 1/4	0.344	3.125	1 1/32	1 3/8	5/8	2 1/4	3
HB60	4	0.469	3.875	1 1/32	1 1/2	5/8	2 3/8	5
HB80	5	0.563	4.875	1 1/2	2	3/4	3	11.1
HB100	5 1/4	0.688	5.125	2 1/16	2 3/4	1	3 1/4	16.3

Note: "A" dimension is plate thickness of sprocket for chain indicated in part number. Other plates can be used by remachining "A" dimension.

BUSHINGS

BROWNING SPLIT TAPER®. Q-D® AND TAPER BORE DESIGNS...THE BROADEST RANGE OF BUSHING SYSTEMS FROM A SINGLE SOURCE

Along with the proven Browning SPLIT TAPER. Q-D and TAPER BORE bushing systems are available. *No other manufacturer gives you this broad selection!* Depending on your drive requirements, select from any of these bushing systems to obtain the most effective combination of components or choose your own preferred bushing type.

BROWNING SPLIT TAPER BUSHINGS

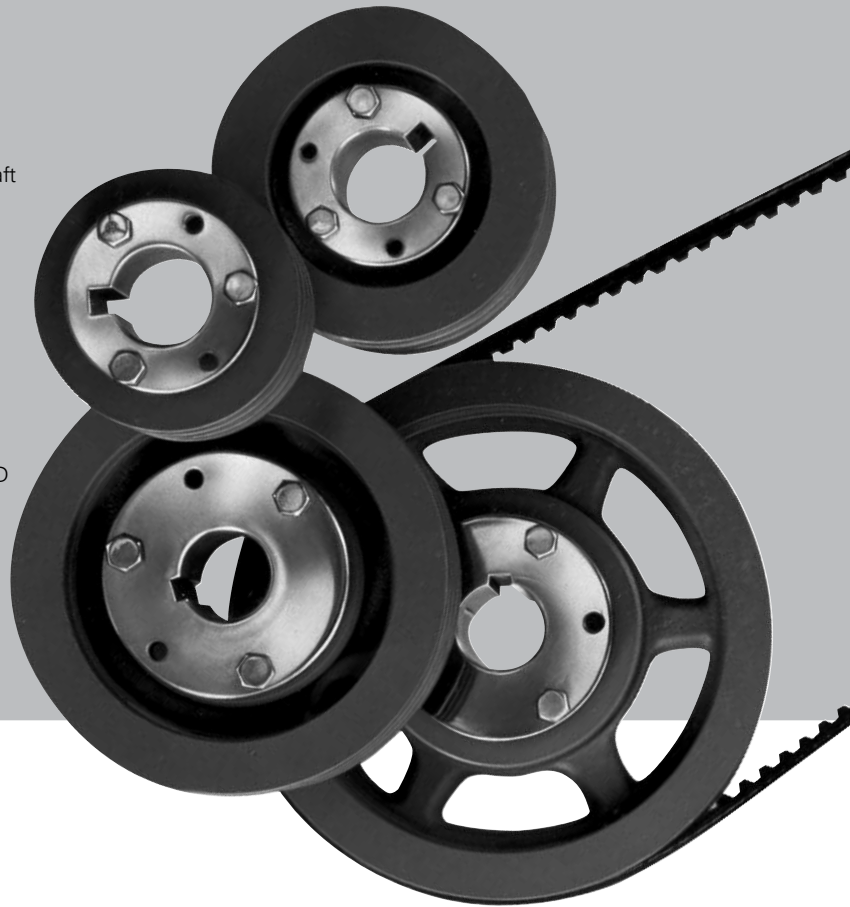
- Keyed to both shaft and hub. External key provides positive drive with no torque on the cap screws
- Highest torque carrying capacity
- Double split barrel improves true concentricity -grips the shaft with positive clamp fit
- Standard Sizes - 3/8" - 10" bore sizes
- Metric Sizes - 10mm - 95mm bore sizes
- Spline Bore - 5/8" - 1 3/8" 6B & 10B. 10 & 21 involute

BROWNING® Q-D BUSHINGS

- Standard Sizes - 1/2" - 7" bore range
- Metric Sizes - 24mm - 100mm bore range
- For use with BROWNING sheaves, sprockets and pulleys; dimensionally interchangeable with competitive Q-D bushings

BROWNING TAPER BORE BUSHINGS

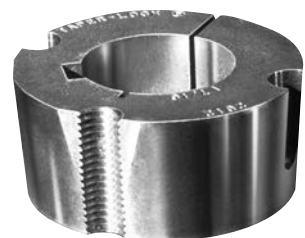
- Standard Sizes - 1/2" - 10" bore range
- For use with BROWNING Sprockets



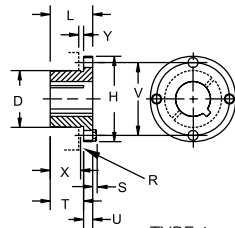
SPLIT TAPER BUSHING



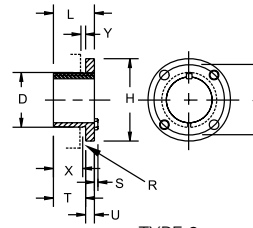
Q-D® BUSHING



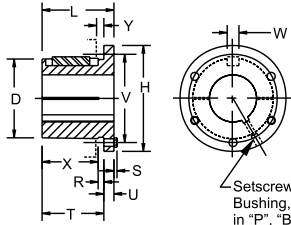
TAPER BORE BUSHING



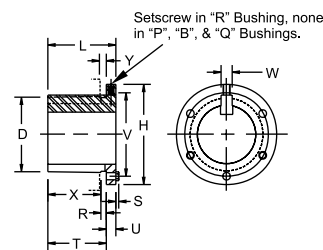
TYPE 1 "G" & "H" BUSHINGS



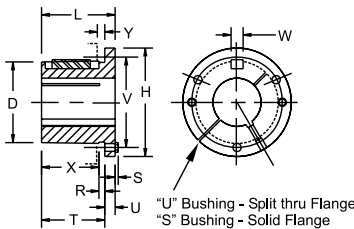
TYPE 2



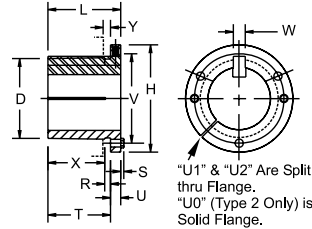
TYPE 1 "P", "B", "Q" & "R" BUSHING



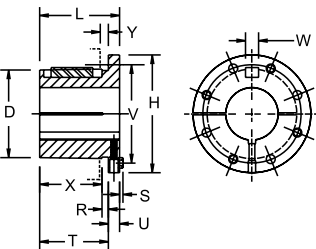
TYPE 2



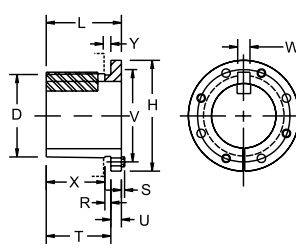
TYPE 1 "S" & "U" BUSHINGS



TYPE 2



TYPE 1 "W" & "Y" BUSHINGS



TYPE 2

TABLE No. 1

BUSHING SPECIFICATIONS

PART No	DIMENSIONS												BORE RANGE		CAP SCREWS		AV. WT. LBS.	WRENCH TORQUE In.-Lbs.
	L	U	T	D		H	V	W	X	Y	R	S	TYPE 1	TYPE 2	No.	SIZE		
				LARGE END	SMALL END													
G	1	1/4	3/4	1.172	1.134	2	1 9/16	-	10/16	3/16	1/8	3/16	3/8 - 15/16	1	2	1/4-20 x 5/8	0.5	95
H	1 1/4	1/4	1	1.625	1.571	2 1/2	2	-	14/16	3/16	1/8	3/16	3/8 - 1 1/8	1 7/16 - 1 1/2	2	1/4-20 x 5/8	0.8	95
P1	1 15/16	3/8	1 9/16	1.938	1.856	3	2 7/16	3/8	1 5/16	5/16	1/4	13/64	1/2 - 1 7/16	1 1/2 - 1 3/4	3	5/16-18 x 1	1.3	192
P2	2 15/16	3/8	2 9/16	1.938	1.793	3	2 7/16	3/8	2 5/16	5/16	1/4	13/64	3/4 - 1 7/16	1 1/2 - 1 3/4	3	5/16-18 x 1	1.5	192
P3	4 7/16	3/8	4 1/16	1.938	1.699	3	2 7/16	3/8	3 13/16	5/16	1/4	13/64	1 1/8 - 1 3/8	1.625	3	5/16-18 x 1	1.5	192
B	1 15/16	1/2	1 7/16	2.625	2.557	3 11/16	3 2/16	1/2	1 1/16	3/8	5/16	13/64	1/2 - 1 15/16	2 - 2 7/16	3	5/16-18 x 1 1/4	1.8	192
Q1	2 1/2	1/2	2	2.875	2.769	4 1/8	3 3/8	1/2	1 11/16	3/8	1/4	15/64	3/4 - 2 1/16	2 1/8 - 2 11/16	3	3/8-16 x 1 1/4	3.5	348
Q2	3 1/2	1/2	3	2.875	2.707	4 1/8	3 3/8	1/2	2 11/16	3/8	1/4	15/64	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8-16 x 1 1/4	4.5	348
Q3	5	1/2	4 8/16	2.875	2.613	4 1/8	3 3/8	1/2	4 3/16	3/8	1/4	15/64	1 3/8 - 2 1/16	2 1/8 - 2 1/2	3	3/8-16 x 1 1/4	5.5	348
R1	2 7/8	5/8	2 1/4	4.000	3.877	5 3/8	4 5/8	3/4	1 15/16	5/16	1/4	15/64	1 1/8 - 2 13/16	2 7/8 - 3 3/4	3	3/8-16 x 1 3/4	7.5	348
R2	4 7/8	5/8	4 1/4	4.000	3.752	5 3/8	4 5/8	3/4	3 15/16	5/16	1/4	15/64	1 - 2 1/16	2 1/8 - 2 5/8	3	3/8-16 x 1 3/4	11	348
S1	4 3/8	3/4	3 5/8	4.623	4.420	6 3/8	5 3/8	3/4	3 1/4	7/16	3/8	5/16	1 11/16 - 3 3/16	3 1/4 - 4 1/4	3	1/2-13 x 2 1/4	13.5	840
S2	6 3/4	3/4	6	4.623	4.272	6 3/8	5 3/8	3/4	5 5/8	7/16	3/8	5/16	1 7/8 - 3 3/16	3 1/4 - 4 3/16	3	1/2-13 x 2 1/4	19	840
U0	4 15/16	3/4	4 3/16	5.997	5.768	8 3/8	7	1 1/4	3 11/16	9/16	1/2	3/8	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8-11 x 2 3/4	27	1680
U1	7 1/8	1 3/16	5 15/16	5.997	5.658	8 3/8	7	1 1/4	5 7/16	9/16	1/2	3/8	2 3/8 - 4 1/4	4 3/8 - 5 1/2	3	5/8-11 x 2 3/4	40	1680
U2	10 1/8	1 3/16	8 15/16	5.997	5.471	8 3/8	7	1 1/4	8 7/16	9/16	1/2	3/8	2 7/16 - 4 1/4	4 3/8 - 5	3	5/8-11 x 2 3/4	50	1680
W1	8 1/4	1 7/16	6 13/16	8.496	8.104	12 1/2	10	1 1/4	6 1/4	9/16	1/2	1/2	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4-10 x 3	104	3000
W2	11 1/4	1 7/16	9 13/16	8.496	7.916	12 1/2	10	1 1/4	9 1/4	9/16	1/2	1/2	3 3/8 - 6 3/16	6 1/4 - 7 7/16	4	3/4-10 x 3	133	3000
Y0	11 1/8	2	9 1/8	12.000	11.469	16 1/2	14 1/2	2	8 1/2	11/16	5/8	5/8	6 - 7 15/16	8-10	4	1-8 x 5	270	7200

TABLE No. 2 - FLANGE SET SCREW

	THREAD	TIGHTENING TORQUE (in.-lb)
R	5/16-18	165
S.U	3/8-16	290
W.Y	1/2-13	620

R1 - 1 1/8, R1 1 3/16, R2 1 3/8, S1 1 11/16, S1 1 3/4 and S2 1 7/8" to 2 1/8" Bushings are steel. U0 and U1 2 3/8" to 3 3/16" and U2 2 7/16" to 3 3/16" are cast iron. "W" and "Y" Bushings are cast iron. All other Bushings on this page are either sintered steel, malleable iron or ductile iron.

Contact Factory for clarification. Y Bushings are made-to-order.

Note: Taper on all Browning Split Bushings is 3/4" per foot on diameter.

COMPLETE ROUND SHAFT COVERAGE PLUS MILLIMETER AND SPLINE BORES

TABLE No. 1

STOCK INCH BORE BUSHINGS

STOCK BORES	KEYSEAT	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	-	-	-	-	-	-
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	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

TABLE No. 1 (CONT.)

STOCK BORES	KEYSEAT	W1	W2
5 5/8	1 1/2 X 3/4	X	X
5 3/4	1 1/2 X 3/4	X	X
5 7/8	1 1/2 X 3/4	X	X
5 15/16	1 1/2 X 3/4	X	X
6	1 1/2 X 3/4	X	X
6 1/8	1 1/2 X 3/4	X	X
6 3/16	1 1/2 X 3/4	X	X
6 1/4	1 1/2 X 3/4	X	X
6 3/8	1 1/2 X 3/4	X	X
6 7/16	1 1/2 X 3/4	X	X
6 1/2	1 1/2 X 3/4	X	X
6 5/8	1 3/4 X 3/4	X	X
6 3/4	1 3/4 X 3/4	X	X
6 7/8	1 3/4 X 3/4	X	X
6 15/16	1 3/4 X 3/4	X	X
7	1 3/4 X 3/4	X	X
7 1/8	1 3/4 X 3/4	X	X
7 3/16	1 3/4 X 3/4	X	X
7 1/4	1 3/4 X 3/4	X	X
7 3/8	1 3/4 X 3/4	X	X
7 7/16	1 3/4 X 3/4	X	X

		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	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	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

		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	-	-
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	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

		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

▲ 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 furnished to fit standard depth keyseats in shafts.

TABLE No. 2

STOCK MILLIMETER BORE BUSHINGS

STOCK BORES	KEYSEAT (Millimeters)	G	H	P1	B	Q1	R1	R2
10 mm.	None	X	X	-	-	-	-	-
11 mm.	None	X	X	-	-	-	-	-
12 mm.	None	X	X	-	-	-	-	-
14 mm.	5 x 2.5	X	X	X	-	-	-	-
15 mm..	5 x 2.5	-	-	X	X	-	-	-
16 mm.	5 x 2.5	X	X	X	X	-	-	-
18 mm.	6 x 3	X	X	X	X	X	-	-
19 mm.	6 x 3	X	X	X	X	X	-	-
20 mm.	6 x 3	X	X	X	X	X	-	-
22 mm.	6 x 3	X	X	X	X	X	-	-
24 mm.	8 x 3.5	X	X	X	X	X	-	-
25 mm.	8 x 3.5	X	X	X	X	X	-	-
28 mm.	8 x 3.5	-	X	X	X	X	X	-
30 mm.	8 x 3.5	-	X	X	X	X	X	-
32 mm.	10 x 4	-	X	X	X	X	X	-
35 mm.	10 x 4	-	X	X	X	X	X	X
36 mm.	10 x 4	-	X	X	X	X	X	X
38 mm.	10 x 4	-	X	X	X	X	X	X
39 mm.	12 x 4	-	-	X	X	-	X	X
40 mm.	12 x 4	-	-	X	X	X	X	X
42 mm.	12 x 4	-	-	X	X	X	X	X
45 mm.	14 x 4.5	-	-	-	X	X	X	X
48 mm.	14 x 4.5	-	-	-	X	X	X	X
50 mm.	14 x 4.5	-	-	-	X	X	X	X
55 mm.	16 x 5	-	-	-	X	X	X	X
60 mm.	18 x 5.5	-	-	-	X	X	X	X
65 mm.	18 x 5.5	-	-	-	-	X	X	X
70 mm.	20 x 6	-	-	-	-	-	X	X
75 mm.	20 x 6	-	-	-	-	-	X	X
80 mm.	22 x 7	-	-	-	-	-	X	X
85 mm.	22 x 7	-	-	-	-	-	X	X
90 mm.	25 x 7	-	-	-	-	-	X	X
95 mm.	25 x 7	-	-	-	-	-	X	-

TABLE No. 3

STOCK SPLINE BORE BUSHINGS

SPLINE	H	P1	Q1	Q2
.978 - 10 Inv.	X	X	-	-
1 1/8 - 6B	X	X	X	-
1 1/4 - 10B	-	X	-	-
1 3/8 - 6B	X	X	X	X
1 3/8 - 10B	-	X	X	-
1 3/8 - 21 Inv.	X	X	X	-

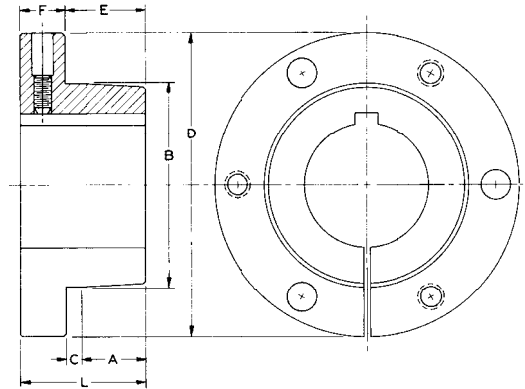
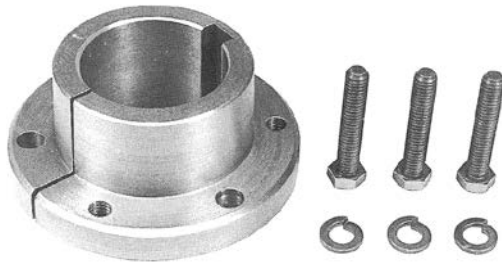


TABLE No. 1

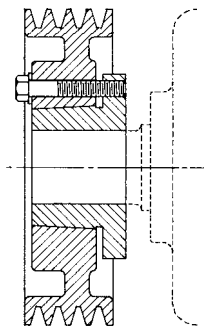
BUSHING SPECIFICATIONS

BUSHING	BORE RANGE	DIMENSIONS							CAP SCREWS			TORQUE CAPACITY In-Lbs	WRENCH TORQUE FT.-LBS	AVERAGE WEIGHT LBS.
		D	L	A	B	C	E	F	No.	SIZE	BOLT CIRCLE			
JA	1/2 - 1 1/4	2	7/8	11/32	1 3/8	3/16	9/16	5/16	3	10 - 24 x 1	1 21/32	1000	6	0.8
SH	1/2 - 1 5/8	2 11/16	1 1/4	9/16	1 7/8	1/4	13/16	7/16	3	1/4-20 x 1 3/8	2 1/4	3500	9	1
SDS	1/2 - 2	3 1/8	1 5/16	9/16	2 3/16	1/4	7/8	7/16	3	1/4-20 x 1 3/8	2 11/16	5000	9	1.2
SD	1/2 - 2	3 1/8	1 13/16	1 1/8	2 3/16	1/4	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	3 7/8	3/4	13/16	2 13/16	3/8	1 3/16	9/16	3	5/16-18 x 2	3 5/16	7000	15	2
SF	1/2 - 2 15/16	4 5/8	2	1 1/8	3 1/8	3/8	1 7/16	9/16	3	3/8-16 x 2	3 7/8	11000	30	3.5
E	7/8 - 3 1/2	6	2 41/64	1 9/16	3 13/16	3/8	1 7/8	3/4	3	1/2-13 x 2 3/4	5	20000	60	9
F	1 - 4	6 5/8	2 11/16	2 5/16	4 7/16	7/16	2 3/4	15/16	3	9/16-12 x 3 5/8	5 5/8	30000	75	14
J	1 1/2 - 4 1/2	7 1/4	4 1/2	3 1/16	5 3/16	7/16	3 1/2	1	3	5/8-11 x 4 1/2	6 1/4	45000	135	22
M	2 - 5 1/2	9	6 3/4	5 1/16	6 1/2	7/16	5 1/2	1 1/4	4	3/4-10 x 6 3/4	7 7/8	85000	225	51
N	2 7/16 - 5 7/8	10	8 9/64	6 3/16	7	7/16	6 5/8	1 1/2	4	7/8-9 x 8	8 1/2	150000	300	66
P	2 15/16 - 7	11 3/4	9 25/64	7 3/16	8 1/4	7/16	7 5/8	1 3/4	4	1-8 x 9 1/2	10	250000	450	122

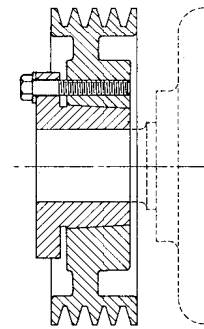
NOTE - All Bushings shown except JA have setscrew over keyway.

	THREAD	TIGHTENING TORQUE (in-lb)
SH, SDS, SD, SK	1/4 - 20	87
SF	5/16 - 18	165
E, F, J, M	3/8 - 16	290
N	7/8 - 9	5000

TABLE No. 2
FLANGE SET SCREW



**MOUNT
EITHER
WAY**



BUSHING FLANGE TOWARD MACHINE OR MOTOR

1. Align tapped holes 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

TABLE No. 1

STOCK INCH BORE BUSHINGS

STOCK BORES	KEYSEAT	JA	SH	SDS	SD	SK	SF	E	F	J
1/2	1/8 X 1/16	X	X	X	X	X	X	-	-	-
9/16	1/8 X 1/16	X	X	X	X	X	X	-	-	-
5/8	3/16 X 3/32	X	X	X	X	X	X	-	-	-
1/16	3/16 X 3/32	X	X	X	X	X	X	-	-	-
3/4	3/16 X 3/32	X	X	X	X	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	-	-	-
1	1/4 X 1/8	X	X	X	X	X	X	-	-	-
1 1/16	1/4 X 1/8	S	X	X	X	X	X	-	-	-
1 1/8	1/4 X 1/8	S	X	X	X	X	X	-	-	-
1 3/16	1/4 X 1/8	S	X	X	X	X	X	-	-	-
1 1/4	1/4 X 1/8	S	X	X	X	X	X	-	-	-
1 5/16	5/16 X 5/32	-	X	X	X	X	X	-	-	-
1 5/16*	3/8 X 3/16	-	X	X	X	X	X	-	-	-
1 3/8	5/16 X 5/32	-	X	X	X	X	X	-	-	-
1 3/8*	3/8 X 3/16	-	X	X	X	X	X	-	-	-
1 7/16	3/8 X 3/16	-	S	X	X	X	X	-	-	-
1 1/2	3/8 X 3/16	-	S	X	X	X	X	-	-	-
1 9/16	3/8 X 3/16	-	S	X	X	X	X	-	-	-
1 5/8	3/8 X 3/16	-	S	X	X	X	X	-	-	-
1 11/16	3/8 X 3/16	-	-	S	S	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	-	-	-
2 1/16	1/2 X 1/4	-	-	X	X	X	X	-	-	-
2 1/8	1/2 X 1/4	-	-	X	X	X	X	-	-	-
2 3/16	1/2 X 1/4	-	-	S	X	X	X	-	-	-
2 1/4	1/2 X 1/4	-	-	S	X	X	X	-	-	-
2 5/16	5/8 X 5/16	-	-	S	S	X	X	-	-	-
2 3/8	5/8 X 5/16	-	-	S	S	X	X	-	-	-
2 7/16	5/8 X 5/16	-	-	S	S	X	X	-	-	-
2 1/2	5/8 X 5/16	-	-	S	S	X	X	-	-	-
2 9/16	5/8 X 5/16	-	-	N	S	X	X	-	-	-
2 5/8	5/8 X 5/16	-	-	N	S	X	X	-	-	-
		SF	E	F	J	M	N	P		
2 11/16	5/8 X 5/16	S	X	X	X	X	X	-	-	-
2 3/4	5/8 X 5/16	S	X	X	X	X	X	-	-	-
2 13/16	3/4 X 3/8	S	X	X	X	X	X	-	-	-
2 7/8	3/4 X 3/8	S	X	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	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	7/8 X 7/16	-	-	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	-	-	-
		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 7/16	1 X 1/2	S	X	X	X					
4 1/2	1 X 1/2	S	X	X	X					
4 9/16	1 1/4 X 5/8	S	X	X	X					
4 5/8	1 1/4 X 5/8	-	X	X	X					
4 11/16	1 1/4 X 5/8	-	X	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 INCH BORE BUSHINGS

TABLE No. 1 (CONT.)

STOCK BORES	KEYSEAT	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 3/16	1 1/2 X 3/4	-	S
6 1/4	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

TABLE No. 2

STOCK MILLIMETER BORE BUSHINGS

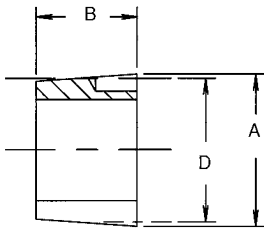
STOCK BORES	KEYSEAT (MILLIMETERS)	SH	SDS	SD	SK	SF	E	F	J
24	8 X 3.5	X	X	X	X	-	-	-	-
25	8 X 3.5	X	X	X	X	-	-	-	-
28	8 X 3.5	X	X	X	X	-	-	-	-
30	8 X 3.5	X	X	X	X	-	-	-	-
32	10 X 4	X	X	X	X	-	-	-	-
35	10 X 4	X	X	X	X	-	-	-	-
38	10 X 4	-	X	X	X	X	-	-	-
40	12 X 4	-	X	X	X	X	-	-	-
42	12 X 4	-	X	X	X	X	-	-	-
45	14 X 4.5	-	-	-	-	X	X	-	-
48	14 X 4.5	-	S	-	X	X	X	-	-
50	14 X 4.5	-	-	-	X	X	X	X	X
55	16 X 5	-	-	-	X	X	X	X	X
60	18 X 5.5	-	-	-	-	X	X	X	X
65	18 X 5.5	-	-	-	-	-	X	X	X
70	20 X 6	-	-	-	-	-	X	X	X
75	20 X 6	-	-	-	-	-	X	X	X
80	22 X 7	-	-	-	-	-	-	X	X
85	22 X 7	-	-	-	-	-	-	X	X
90	25 X 7	-	-	-	-	-	-	X	X
95	25 X 7	-	-	-	-	-	-	-	X
100	28 X 8	-	-	-	-	-	-	-	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.

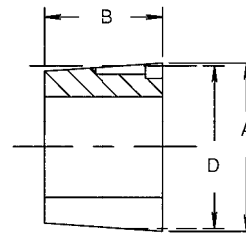
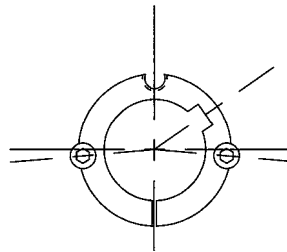
X = Stock Bore with Standard Keyway

N = Stock Bore with No Keyway

S = Stock Bore with Shallow Keyway. Rectangular Key is furnished to fit standard keyseat.



1008 THROUGH 3030



3535 THROUGH 5050

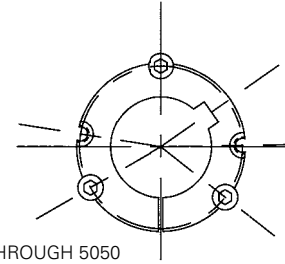


TABLE No. 1

BUSHING SPECIFICATIONS AND DIMENSIONS (INCHES)

BUSHING No.	A	B	D BOLT CIRCLE	CAP SCREWS		STOCK BORE RANGE			WRENCH TORQUE IN. LBS.	TORQUE CAP. LB.IN.	WT. (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	.27
1108	1 5/11	7/8	1 29/64	1/4	1/2	1/2	1	1 1/8	55	1.300	.33
1210	1 7/8	1	1 3/4	3/8	5/8	1/2	1 1/4	1 1/4	175	3.600	.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	.80
1610	2 1/4	1	2 1/8	3/8	5/8	1/2	1 1/2	1 5/8	175	4.300	.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	1.2
2012	2 3/4	1 1/4	2 5/8	7/16	7/8	1/2	1 7/8	2	280	7.150	1.7
2517	3 3/8	1 3/4	3 1/4	1/2	1	1/2	2 1/4	2 1/2	430	11.600	3.5
2525	3 3/8	2 1/2	3 1/4	1/2	1	3/4	2 1/4	2 1/2	430	11.300	4.9
3020	4 1/4	2	4	5/8	1 1/4	15/16	2 3/4	3	800	24.000	6.5
3030	4 1/4	3	4	5/8	1 1/4	15/16	2 3/4	3	800	24.000	9.2
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

TABLE No. 2

STOCK BUSHING BORES

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

TABLE No. 2 (CONT'D.)

STOCK BORES

	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	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

TABLE No. 3

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 3/8 X 3/16 Kw.

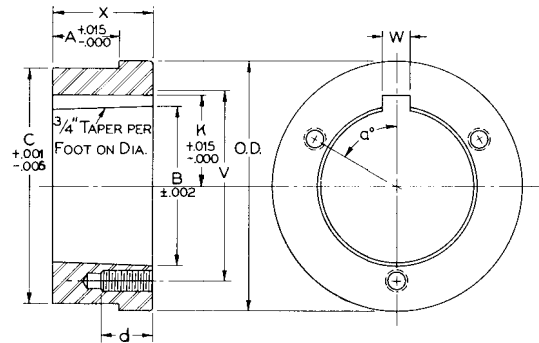


TABLE No. 1

STEEL HUBS FOR SPLIT TAPER BUSHINGS

PART No.	FOR BUSHING	DIMENSIONS									TAPPED HOLES			WT. LBS.
		O.D.	A	B	C	K	V	W	X	A	D	No.	SIZE	
HG1	G	2	0.174	1.168	1.875		1 9/16		5/8		5/8	2	1/4 - 20	0.4
HH1	H	2 1/2	0.174	1.621	2.375		2		7/8		7/8	2	1/4 - 20	0.6
HCH1	H	2 1/2	0.625	1.621	2.375		2		7/8		7/8	2	1/4 - 20	0.7
HP1	P1	3	0.292	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60°	5/8	3	5/16 - 18	1.4
HCP1	P1	3	1	1.9375	2.875	1 3/32	2 7/16	3/8	1 5/16	60°	5/8	3	5/16 - 18	1.1
HP2	P2	3	1.1	1.9375	2.875	1 3/32	2 7/16	3/8	2 5/16	60°	5/8	3	5/16 - 18	2.5
HB1	B	3 7/8	0.292	2.623	3.75	1 7/16	3 1/8	1/2	1 5/16	60°	13/16	3	5/16 - 18	2.3
HB2	B	4 1/2	0.709	2.623	4.375	1 7/16	3 1/8	1/2	1 3/4	60°	13/16	3	5/16 - 18	4.7
HQ1	Q1	4 1/2	0.709	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8 - 16	4.4
HCQ1	Q1	4 1/2	1.25	2.875	4.375	1 9/16	3 3/8	1/2	1 3/4	60°	7/8	3	3/8 - 16	4.4
HQ2	Q2	4 1/2	1.606	2.875	4.375	1 9/16	3 3/8	1/2	2 3/4	60°	7/8	3	3/8 - 16	6.9
HR1	R1	5 3/4	0.709	4	5.625	2 3/16	4 5/8	3/4	2	60°	1 1/8	3	3/8 - 16	7.3
HR2	R2	5 3/4	1.606	4	5.625	2 3/16	4 5/8	3/4	4	60°	1 1/8	3	3/8 - 16	15.4
HS1	S1	6 3/4	0.946	4.625	6.5	2 9/16	5 3/8	3/4	3 5/16	60°	1 5/8	3	1/2 - 13	17.3
HS2	S2	6 3/4	2.963	4.625	6.5	2 9/16	5 3/8	3/4	5 11/16	60°	1 5/8	3	1/2 - 13	30.4
HU0	U0	8 1/2	2	6	8.25	3 1/4	7	1 1/4	3 3/4	60°	2	3	5/8 - 11	32
HU1	U1	8 1/2	2.963	6	8.25	3 1/4	7	1 1/4	5 5/8	60°	1 3/4	3	5/8 - 11	44.6
HU2	U2	8 1/2	6.016	6	8.25	3 1/4	7	1 1/4	8 5/8	60°	1 3/4	3	5/8 - 11	69
HW1	W1	12 1/2	2.963	8.5	12.25	4 9/16	10	1 1/4	6 3/8	22 1/2°	1 3/4	4	3/4 - 10	130

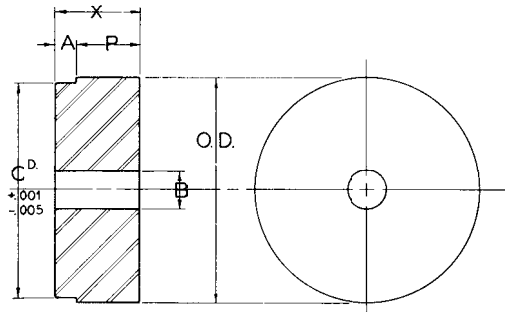


TABLE No. 2

TYPE "B" STEEL HUBS

PART No.	DIMENSIONS					BORE		WT. LBS.
	O.D.	A	C	P	X	STOCK	MAX.	
HB40	3"	.281"	2.875"	27/32"	1 1/8"	1/2"	1 7/8"	2.3
HB50	3 1/4	.344	3.125	1 1/32	1 3/8	5/8	2 1/4	3.0
HB60	4	.469	3.875	1 1/32	1 1/2	5/8	2 3/8	5.0
HB80	5	.563	4.875	1 1/2	2 1/16	3/4	3	11.1
HB100	5 1/4	.688	5.125	2 1/16	2 3/4	1	3 1/4	16.3

NOTE - "A" dimension is plate thickness of sprocket for chain indicated in part number. Other plates can be used by remachining "A" dimension.