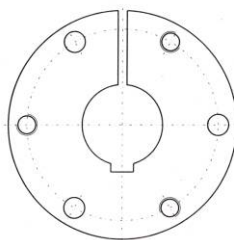
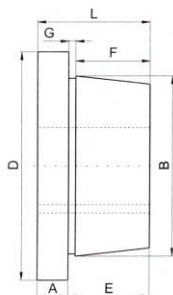
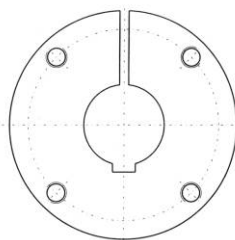


Standard “QD” Bushings



**BUSHINGS
JA TO J**



**BUSHINGS
M TO W**

“QD” Bushings-Steel

- ★ F=Length of Mating Bore
★★ G=Gap Between QD Bushing and Mating Hub

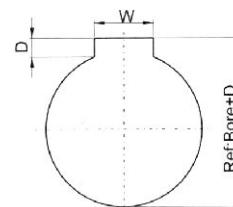
Bushing	Dimensions(Inches)								Cap Screws Required	Stock Bore Range			Average weight (Approx.)
	A	B	D	E	F ★	G ★★	L	Cap Bolt Circle		Min	Max		
											Standard Keyway	Shallow Keyway	
SF-STL	9/16	3.125	4 5/8	1 1/2	1 1/4	1/8	2 1/16	3 3/8	3 3/8 X 2	1/2	2 1/16	2 13/16	3.0
E-STL	3/4	3.824	6	1 1/8	1 1/8	1/8	2 7/8	5	3 1/2 X 2 1/4	1/8	2 1/8	3 1/2	10.0
F-STL	13/16	4.437	6 1/8	2 1/16	2 1/2	3/16	3 3/8	5 5/8	3 7/8 X 3 3/8	1	3 3/16	4	11.5
J-STL	1	5.148	7 1/4	3 1/2	3 1/16	3/16	4 1/2	6 1/4	3 3/8 X 4 1/2	1 1/16	3 3/4	4 1/2	18.0
M-STL	1/4	6.500	9	5 1/2	5 1/8	3/16	6 7/8	7 1/8	4 1/4 X 6 3/4	2	4 1/4	5 1/2	37.0
N-STL	1/2	7.000	10	6 3/8	6 1/4	9/16	8 1/8	8 1/2	4 1/8 X 8 1/2	2 1/2	5 1/8	5 5/8	57.0

“QD” Bushings

Bushing	Dimensions(Inches)								Cap Screws Required	Stock Bore Range			Set Screw Size	Average weight (Approx.)
	A	B	D	E	F ★	G ★★	L	Cap Bolt Circle		Min	Max			
											Standard Keyway	Shallow Keyway		
H	$\frac{5}{16}$	1.625	2 $\frac{1}{2}$	1	$\frac{7}{8}$	$\frac{1}{8}$	1 $\frac{1}{4}$	2	2- $\frac{1}{4}$ X $\frac{3}{4}$	$\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{1}{4}$	.7
JA	$\frac{3}{8}$	1.375	2	$\frac{11}{16}$	$\frac{3}{16}$	$\frac{1}{8}$	1 $\frac{1}{16}$	1.656	3-10 X 1	$\frac{3}{8}$	1	1 $\frac{1}{4}$	10-24	.9
SH	$\frac{7}{16}$	1.871	2 $\frac{11}{16}$	$\frac{7}{8}$	$\frac{11}{16}$	$\frac{3}{16}$	1 $\frac{1}{16}$	2 $\frac{1}{4}$	3- $\frac{1}{4}$ X 1 $\frac{1}{8}$	$\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{1}{16}$	$\frac{1}{4}$	1
SDS	$\frac{1}{2}$	2.187	3 $\frac{3}{16}$	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{3}{16}$	1 $\frac{1}{8}$	2 $\frac{1}{16}$	3- $\frac{1}{4}$ X 1 $\frac{1}{4}$	$\frac{1}{2}$	1 $\frac{1}{16}$	2	$\frac{1}{4}$	1
SD	$\frac{1}{2}$	2.187	3 $\frac{3}{16}$	1 $\frac{1}{16}$	1 $\frac{1}{4}$	$\frac{3}{16}$	1 $\frac{1}{16}$	2 $\frac{1}{16}$	3- $\frac{1}{4}$ X 1 $\frac{1}{8}$	$\frac{1}{2}$	1 $\frac{1}{16}$	1 $\frac{1}{16}$	$\frac{1}{4}$	1.5
S K	$\frac{9}{16}$	2.812	3 $\frac{7}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$	$\frac{3}{16}$	1 $\frac{1}{16}$	3 $\frac{1}{16}$	3- $\frac{1}{4}$ X 2	$\frac{1}{2}$	2 $\frac{1}{8}$	2 $\frac{1}{2}$	$\frac{3}{8}$	2
SF	$\frac{9}{16}$	3.125	4 $\frac{5}{8}$	1 $\frac{1}{2}$	1 $\frac{1}{4}$	$\frac{1}{4}$	2 $\frac{1}{16}$	3 $\frac{1}{8}$	3- $\frac{1}{8}$ X 2	$\frac{1}{2}$	2 $\frac{1}{8}$	2 $\frac{1}{16}$	$\frac{3}{8}$	3
E	$\frac{3}{4}$	3.834	6	1 $\frac{1}{8}$	1 $\frac{1}{8}$	$\frac{1}{16}$	2 $\frac{1}{8}$	5	3- $\frac{1}{2}$ X 2 $\frac{1}{4}$	$\frac{1}{8}$	2 $\frac{1}{8}$	3 $\frac{1}{2}$	$\frac{3}{8}$	10
F	$\frac{13}{16}$	4.437	6 $\frac{1}{8}$	2 $\frac{1}{16}$	2 $\frac{1}{2}$	$\frac{3}{8}$	3 $\frac{1}{8}$	5 $\frac{1}{8}$	3- $\frac{1}{4}$ X 3 $\frac{1}{4}$	1	3 $\frac{1}{16}$	3 $\frac{1}{16}$	$\frac{1}{2}$	11.5
J	1	5.148	7 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{1}{16}$	$\frac{3}{8}$	4 $\frac{1}{2}$	6 $\frac{1}{4}$	3- $\frac{1}{4}$ X 4 $\frac{1}{2}$	1 $\frac{1}{16}$	3 $\frac{1}{4}$	4 $\frac{1}{2}$	$\frac{3}{8}$	18
M	1 $\frac{1}{4}$	6.500	9	5 $\frac{1}{2}$	5 $\frac{1}{8}$	$\frac{3}{8}$	6 $\frac{3}{4}$	7 $\frac{1}{8}$	4- $\frac{1}{4}$ X 6 $\frac{3}{4}$	1 $\frac{1}{16}$	4 $\frac{1}{4}$	5 $\frac{1}{2}$	$\frac{3}{4}$	37
N	1 $\frac{1}{2}$	7.000	10	6 $\frac{3}{8}$	6 $\frac{1}{4}$	$\frac{7}{8}$	8 $\frac{1}{8}$	8 $\frac{1}{2}$	4- $\frac{1}{4}$ X 8 $\frac{1}{2}$	2 $\frac{1}{16}$	5 $\frac{1}{8}$	6	$\frac{3}{4}$	57
P	1 $\frac{1}{4}$	8.250	11 $\frac{1}{4}$	7 $\frac{3}{8}$	7 $\frac{1}{4}$	$\frac{1}{2}$	9 $\frac{1}{8}$	10	4- 1 X 9 $\frac{1}{2}$	2 $\frac{1}{16}$	5 $\frac{1}{8}$	7	$\frac{3}{4}$	120
W	2	10.437	15	9 $\frac{9}{16}$	9	$\frac{1}{2}$	11 $\frac{1}{8}$	12 $\frac{1}{4}$	4-1 $\frac{1}{4}$ X 11 $\frac{1}{2}$	4	7 $\frac{1}{2}$	8 $\frac{1}{2}$	1	250
S	3 $\frac{1}{4}$	12.125	17 $\frac{1}{4}$	12 $\frac{1}{2}$	12	$\frac{1}{2}$	15 $\frac{1}{4}$	15	5-1 $\frac{1}{2}$ X 15 $\frac{1}{2}$	6	8 $\frac{1}{4}$	10	1 $\frac{1}{4}$	400

Shallow Key Dimension-Standard			
Key Seat.	Key	Keyway	Key
$\frac{1}{4} \times \frac{1}{32}$	$\frac{1}{4} \times \frac{3}{32}$	$\frac{3}{4} \times \frac{1}{8}$	$\frac{3}{4} \times \frac{1}{2}$
$\frac{1}{4} \times \frac{1}{16}$	$\frac{1}{4} \times \frac{3}{16}$	$\frac{7}{8} \times \frac{1}{8}$	$\frac{7}{8} \times \frac{1}{2}$
$\frac{3}{8} \times \frac{1}{32}$	$\frac{3}{8} \times \frac{3}{32}$	$\frac{7}{8} \times \frac{1}{8}$	$\frac{7}{8} \times \frac{1}{2}$
$\frac{3}{8} \times \frac{1}{16}$	$\frac{3}{8} \times \frac{1}{4}$	$1 \times \frac{1}{8}$	$1 \times \frac{1}{2}$
$\frac{3}{8} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{1}{4}$	$1\frac{1}{4} \times \frac{3}{8}$
$\frac{1}{2} \times \frac{1}{32}$	$\frac{1}{2} \times \frac{3}{32}$	$1\frac{1}{2} \times \frac{1}{8}$	$1\frac{1}{2} \times \frac{1}{2}$
$\frac{1}{2} \times \frac{1}{16}$	$\frac{1}{2} \times \frac{3}{16}$	$1\frac{1}{2} \times \frac{1}{4}$	$1\frac{1}{2} \times 1$
$\frac{1}{2} \times \frac{1}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$1\frac{1}{2} \times \frac{1}{2}$	$1\frac{1}{2} \times \frac{3}{4}$
$\frac{3}{4} \times \frac{1}{16}$	$\frac{3}{4} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{1}{4}$	$1\frac{1}{4} \times \frac{1}{2}$
$\frac{3}{4} \times \frac{1}{8}$	$\frac{3}{4} \times \frac{3}{4}$	$2 \times \frac{1}{4}$	2×1

Shallow Key Dimension-Steel			
Key Seat.	Key	Keyway	Key
$\frac{1}{4} \times \frac{1}{32}$	$\frac{1}{4} \times \frac{3}{32}$	$\frac{3}{4} \times \frac{1}{16}$	$\frac{3}{4} \times \frac{1}{16}$
$\frac{1}{4} \times \frac{1}{16}$	$\frac{1}{4} \times \frac{3}{16}$	$\frac{3}{4} \times \frac{1}{8}$	$\frac{3}{4} \times \frac{1}{2}$
$\frac{3}{8} \times \frac{1}{32}$	$\frac{3}{8} \times \frac{3}{32}$	$\frac{7}{8} \times \frac{1}{16}$	$\frac{7}{8} \times \frac{1}{2}$
$\frac{3}{8} \times \frac{1}{16}$	$\frac{3}{8} \times \frac{1}{4}$	$\frac{7}{8} \times \frac{1}{8}$	$\frac{7}{8} \times \frac{3}{4}$
$\frac{3}{8} \times \frac{3}{8}$	$\frac{3}{8} \times \frac{3}{8}$	$1 \times \frac{1}{4}$	$1 \times \frac{3}{8}$
$\frac{1}{2} \times \frac{1}{32}$	$\frac{1}{2} \times \frac{3}{32}$	$1\frac{1}{2} \times \frac{1}{4}$	$1\frac{1}{2} \times \frac{3}{8}$
$\frac{1}{2} \times \frac{1}{16}$	$\frac{1}{2} \times \frac{3}{16}$	$1\frac{1}{2} \times \frac{1}{4}$	$1\frac{1}{2} \times 1$
$\frac{1}{2} \times \frac{1}{8}$	$\frac{1}{2} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{1}{4}$	$1\frac{1}{4} \times \frac{3}{4}$
$\frac{3}{4} \times \frac{1}{16}$	$\frac{3}{4} \times \frac{3}{8}$	$1\frac{1}{4} \times \frac{1}{4}$	$1\frac{1}{4} \times 1$
$\frac{3}{4} \times \frac{1}{8}$	$\frac{3}{4} \times \frac{3}{4}$	$2 \times \frac{1}{4}$	2×1



ISO STANDARD METHOD
FOR MEASURING KEYSEAT DEPTH
D: depth measured at centerling

Standard “QD” Bushings

Standard Keyway and Key Dimension		
Bores	Keyway	Key
$\frac{7}{16}$	$\frac{3}{16} \times \frac{3}{32}$	$\frac{7}{16} \times \frac{3}{16}$
$\frac{15}{16} - 1 \frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{4}$
$1 \frac{7}{16} - 1 \frac{3}{4}$	$\frac{5}{16} \times \frac{3}{32}$	$\frac{7}{16} \times \frac{7}{16}$
$1 \frac{7}{16} - 1 \frac{7}{8}$	$\frac{3}{16} \times \frac{3}{16}$	$\frac{7}{8} \times \frac{3}{8}$
$1 \frac{7}{16} - 2 \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{2}$
$2 \frac{7}{16} - 2 \frac{3}{4}$	$\frac{5}{8} \times \frac{5}{16}$	$\frac{7}{8} \times \frac{7}{8}$
$2 \frac{7}{16} - 3 \frac{1}{4}$	$\frac{3}{4} \times \frac{3}{8}$	$\frac{7}{4} \times \frac{7}{4}$
$3 \frac{7}{16} - 3 \frac{3}{4}$	$\frac{7}{8} \times \frac{7}{16}$	$\frac{7}{8} \times \frac{7}{8}$
$3 \frac{7}{16} - 4 \frac{1}{2}$	$1 \times \frac{1}{2}$	1×1
$4 \frac{7}{16} - 5 \frac{1}{2}$	$1 \frac{1}{4} \times \frac{1}{8}$	$1 \frac{1}{4} \times 1 \frac{1}{4}$
$5 \frac{7}{16} - 6 \frac{1}{2}$	$1 \frac{1}{2} \times \frac{3}{4}$	$1 \frac{1}{2} \times 1 \frac{1}{2}$
$6 \frac{7}{16} - 7 \frac{1}{2}$	$1 \frac{3}{4} \times \frac{1}{4}$	$1 \frac{3}{4} \times 1 \frac{3}{4}$
$7 \frac{7}{16} - 9$	$2 \times \frac{1}{2}$	$2 \frac{1}{2} \times 1 \frac{1}{2}$
$9 \frac{7}{16} - 11$	$2 \frac{1}{2} \times \frac{1}{8}$	—
$11 \frac{7}{16} - 13$	3×1	—

Bushing	Plain Bores Not Split
SH-STL	$\frac{1}{2}$
DS-STL	$\frac{1}{2}$
SK-STL	$\frac{1}{2}$
SF-STL	$1 \frac{15}{16}$
E-STL	$\frac{7}{8} - 1 \frac{15}{16}$
F-STL	$1 - 2 \frac{7}{16} - 2 \frac{15}{16}$
J-STL	$1 \frac{7}{16} - 2 \frac{15}{16}$
M-STL	$2 - 2 \frac{15}{16}$
N-STL	$2 \frac{7}{16} - 4 \frac{15}{16}$

QD bushings made of stainless steel are available as made to order.

Inch Bore

Bushing	Bores	Keyway
JA	$\frac{3}{8} - \frac{1}{16}$	NO K.W.
	$\frac{1}{2} - 1$	STD
	$1 \frac{1}{16} - 1 \frac{1}{8}$	$\frac{1}{4} - \frac{1}{16}$
	$1 \frac{7}{16}$	$\frac{1}{4} - \frac{1}{16}$
SH	$\frac{1}{2} - 1 \frac{1}{8}$	STD
	$1 \frac{1}{16} - 1 \frac{1}{2}$	$\frac{3}{8} \times \frac{1}{16}$
	$1 \frac{7}{16} - 1 \frac{7}{8}$	$\frac{3}{8} - \frac{1}{16}$
	$1 \frac{7}{16}$	NO K.W.
SDS	$\frac{1}{2} - 1 \frac{1}{16}$	STD
	$1 \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{8}$
	$1 \frac{7}{16}$	$\frac{1}{2} \times \frac{1}{8}$
	$1 \frac{7}{8} - 1 \frac{7}{16}$	$\frac{1}{2} \times \frac{1}{16}$
SD	$\frac{1}{2}$	NO K.W.
	$\frac{1}{2} - 1 \frac{7}{16}$	STD
	$1 \frac{1}{4}$	$\frac{3}{8} \times \frac{1}{8}$
	$1 \frac{7}{16}$	$\frac{1}{2} \times \frac{1}{8}$
SK	$\frac{1}{2} - 2 \frac{1}{8}$	STD
	$2 \frac{7}{16} - 2 \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{8}$
	$2 \frac{7}{16} - 2 \frac{1}{2}$	$\frac{3}{8} \times \frac{1}{8}$
	$2 \frac{7}{16} - 2 \frac{3}{8}$	NO K.W.
SF	$\frac{1}{2} - 2 \frac{1}{4}$	STD
	$2 \frac{7}{16} - 2 \frac{1}{2}$	$\frac{3}{8} \times \frac{3}{16}$
	$2 \frac{7}{16} - 2 \frac{3}{4}$	$\frac{3}{8} \times \frac{1}{16}$
	$2 \frac{7}{16} - 2 \frac{7}{8}$	$\frac{3}{8} \times \frac{1}{16}$
E	$2 \frac{7}{16} - 2 \frac{1}{2}$	STD
	$2 \frac{7}{16} - 3 \frac{1}{4}$	$\frac{1}{2} \times \frac{1}{8}$
	$3 \frac{7}{16} - 3 \frac{1}{2}$	$\frac{1}{2} \times \frac{1}{8}$
	$3 \frac{7}{16}$	STD
F	$1 - 3 \frac{7}{8}$	STD
	$3 \frac{7}{8} - 3 \frac{7}{8}$	$\frac{1}{2} \times \frac{3}{16}$
	$3 \frac{7}{8} - 3 \frac{7}{8}$	$1 \times \frac{1}{8}$
	4	NO K.W.
J	$1 \frac{1}{4} - 3 \frac{1}{4}$	STD
	$3 \frac{7}{16} - 4 \frac{1}{2}$	$1 \times \frac{1}{8}$
	$2 - 4 \frac{1}{4}$	STD
	$4 \frac{7}{16} - 5 \frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{4}$
N	$2 \frac{7}{16} - 5$	STD
	$5 \frac{7}{8} - 5 \frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{4}$
	$5 \frac{7}{8} - 6$	$1 \frac{1}{2} \times \frac{1}{4}$
	$2 \frac{7}{16} - 5 \frac{7}{16}$	STD
P	$6 - 6 \frac{1}{2}$	$1 \frac{1}{2} \times \frac{1}{4}$
	$6 \frac{7}{16} - 7$	$1 \frac{1}{2} \times \frac{1}{8}$
	$4 - 7 \frac{1}{2}$	STD
	$7 \frac{7}{16} - 8 \frac{1}{2}$	$2 \times \frac{1}{4}$

Keystock provided for nonstandard keyways

Inch Bore

Bushing	Bore MM	Key ★ WXT
SH	24.25	8 x 7
	28.30	
	32.35	10 x 8
SDS	24.25	
	28.30	8 x 7
	32.35	10 x 8
	38	
SD	40.42	12 x 8
	24.25	8 x 7
	28.30	
	32.35	10 x 8
SK	38	
	40.42	12 x 8
	24.25	8 x 7
	28.30	
SF	32.35	10 x 8
	38	
	40.42	12 x 8
	48.50	14 x 9
E	55	16 x 10
	28.30	8 x 7
	32.35	10 x 8
	38	
F	40.42	12 x 8
	48.50	14 x 9
	55	16 x 10
	60	18 x 11
J	35.38	10 x 8
	40.42	12 x 8
	48.50	14 x 9
	55	16 x 10
N	60.65	18 x 11
	70.75	20 x 12
	48.50	14 x 9
	55	16 x 10
P	60.65	18 x 11
	70.75	20 x 12
	80.85	22 x 14
	90	25 x 14
W	50	14 x 9
	55	16 x 10
	60.65	18 x 11
	70.75	20 x 12
Z	80.85	22 x 14
	90.95	25 x 14
	100	28 x 16