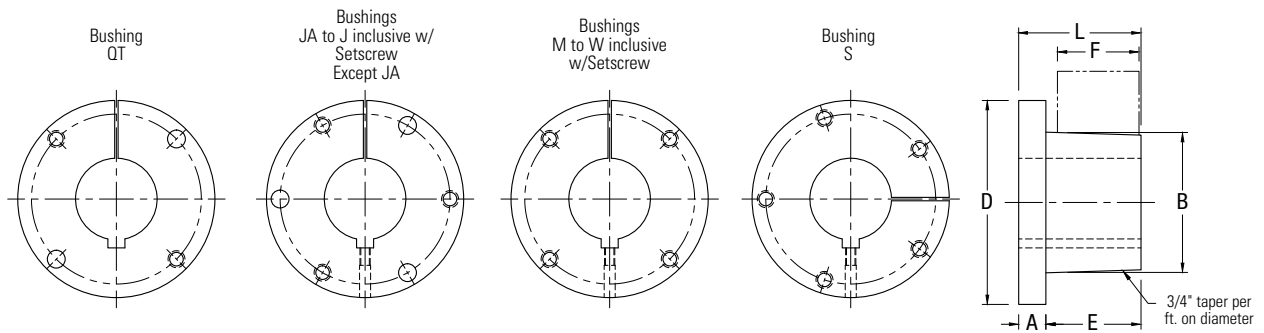


# SURE-GRIP® BUSHINGS

## • ALLOCATION CHART

## • TORQUE RATINGS AND DIMENSIONS



Sure-Grip bushings are designed to transmit the rated torque capacity listed in the table below when the cap screws are tightened as indicated. The bushings are stocked in all popular bore sizes, including metric bores, within the bore range for a particular bushing. Detailed bore and keyseat information is given on pages 2, 3 and 4.

### TORQUE RATINGS AND DIMENSIONS

Bush.	Torque Capacity (In.-Lbs.)	DIMENSIONS IN INCHES						Bolt Circle	Cap Screws Required	Weight	Typical Material		
		A	B	D	E	F	L				Steel	Cast Iron	Ductile Iron
QT	1,750	1/4	1.6250	2 1/2	1	7/8	1 1/4	2	2 - 1/4 x 1	0.6	All		
JA	1,750	5/16	1.3750	2	11/16	9/16	1	1 21/32	3 - #10 x 1	0.4	All		
SH	3,500	3/8	1.8710	2 11/16	7/8	13/16	1 1/4	2 1/4	3 - 1/4 x 1 3/8	0.9	All		
SDS	5,000	7/16	2.1875	3 3/16	7/8	3/4	1 5/16	2 11/16	3 - 1/4 x 1 3/8	1.3	All		
SDS	5,000	7/16	2.1875	3 3/16	1 3/8	1 1/4	1 13/16	2 11/16	3 - 1/4 x 1 7/8	1.6	All		
SK	7,000	1/2	2.8125	3 7/8	1 3/8	1 1/4	1 7/8	3 5/16	3 - 5/16 x 2	2.8		Under 2.00	2.00 & over
SF	11,000	1/2	3.1250	4 5/8	1 1/2	1 1/4	2	3 7/8	3 - 3/8 x 2	3.9		Under 2.19	2.19 & over
E	20,000	3/4	3.8340	6	1 7/8	1 5/8	2 5/8	5	3 - 1/2 x 2 3/4	8.5		Under 2.69	2.69 & over
F	40,000	13/16	4.4375	6 5/8	2 13/16	2 1/2	3 5/8	5 5/8	3 - 9/16 x 3 5/8	13.9		Under 3.19	3.19 & over
J	55,000	1	5.1484	7 1/4	3 1/2	3 3/16	4 1/2	6 1/4	3 - 5/8 x 4 1/2	21.6		Under 3.69	3.69 & over
M	125,000	1 1/4	6.5000	9 1/8	5 1/2	5 3/16	6 3/4	7 7/8	4 - 3/4 x 6 3/4	49.1		All	
N	150,000	1 1/2	7.0000	10	6 5/8	6 1/4	8 1/8	8 1/2	4 - 7/8 x 8	64.5		All	
P	250,000	1 3/4	8.2500	11 3/4	7 5/8	7 1/4	9 3/8	10	4 - 1 x 9 1/2	108.8		All	
W	375,000	2	10.4370	15	9 3/8	9	11 3/8	12 3/4	4 - 1 1/8 x 11 1/2	218.9		All	
S	625,000	3 1/4	12.1250	17 3/4	12 1/2	12	15 3/4	15	5 - 1 1/4 x 15 1/2	382.0		Under 9.00	9.00 & over

# SURE-GRIP® BUSHINGS - BORE AND KEYSEAT DIMENSIONS

(in Inches and Millimeters)

Sure-Grip bushings are available from stock with all the bores and keyseats listed below. In some cases, as the bore increases in diameter, a shallow keyseat is provided - due to insufficient metal thickness. When this happens, Wood's furnishes the correct rectangular key to suit at no charge. This does not affect the bushing's ability to transmit the load. The rectangular key, or flat key as some call it, fits in the standard keyway in the shaft.

QT Bushings		
Product No.	Bore	Key Seat
QTMPB	7/16	N/A
QT12	1/2	1/8 x 1/16
QT9/16	9/16	1/8 x 1/16
QT58	5/8	3/16 x 3/32
QT11/16	11/16	3/16 x 3/32
QT34	3/4	3/16 x 3/32
QT13/16	13/16	3/16 x 3/32
QT78	7/8	3/16 x 3/32
QT15/16	15/16	1/4 x 1/8
QT1	1	1/4 x 1/8
QT1116	1 1/16	1/4 x 1/8
QT118	1 1/8	1/4 x 1/8
QT1316	1 3/16	1/4 x 1/8
QT114	1 1/4	1/4 x 1/8
QT1516	1 5/16	5/16 x 1/16
QT138	1 3/8	5/16 x 1/16
QT1716	1 7/16	3/8 x 1/16
QT112	1 1/2	3/8 x 1/16
QT14MM	14	5 x 5
QT15MM	15	5 x 5
QT16MM	16	5 x 5
QT18MM	18	6 x 6
QT19MM	19	6 x 6
QT20MM	20	6 x 6
QT22MM	22	6 x 6
QT24MM	24	8 x 7
QT25MM	25	8 x 7
QT28MM	28	8 x 7
QT30MM	30	8 x 7
QT32MM	32	10 x 6
QT35MM	35	10 x 6
QT38MM	38	10 x 6
JA Bushings		
Product No.	Bore	Key Seat
JAMPB	1/2	N/A
JA12	1/2	1/8 x 1/16
JA9/16	9/16	1/8 x 1/16
JA58	5/8	3/16 x 3/32
JA11/16	11/16	3/16 x 3/32
JA34	3/4	3/16 x 3/32
JA13/16	13/16	3/16 x 3/32
JA78	7/8	3/16 x 3/32
JA15/16	15/16	1/4 x 1/8
JA1	1	1/4 x 1/8
JA1116	1 1/16	1/4 x 1/16
JA118	1 1/8	1/4 x 1/16
JA1316	1 3/16	1/4 x 1/16
JA114	1 1/4	1/4 x 1/32
JA14MM	14	5 x 5
JA16MM	16	5 x 5
JA19MM	19	6 x 6
JA20MM	20	6 x 6
JA24MM	24	8 x 6
JA25MM	25	8 x 6
JA28MM	28	8 x 5

SH Bushings		
Product No.	Bore	Key Seat
SHMPB	7/16	N/A
SH12	1/2	1/8 x 1/16
SH9/16	9/16	1/8 x 1/16
SH58	5/8	3/16 x 3/32
SH11/16	11/16	3/16 x 3/32
SH34	3/4	3/16 x 3/32
SH13/16	13/16	3/16 x 3/32
SH78	7/8	3/16 x 3/32
SH15/16	15/16	1/4 x 1/8
SH1	1	1/4 x 1/8
SH1116	1 1/16	1/4 x 1/8
SH118	1 1/8	1/4 x 1/8
SH1316	1 3/16	1/4 x 1/8
SH114	1 1/4	1/4 x 1/8
SH1516	1 5/16	5/16 x 5/32
SH138	1 3/8	5/16 x 5/32
SH1716	1 7/16	3/8 x 1/16
SH112	1 1/2	3/8 x 1/16
SH1916	1 9/16	3/8 x 1/16
SH158	1 5/8	3/8 x 1/16
SH11116	1 11/16	None
SH24MM	24	8 x 7
SH25MM	25	8 x 7
SH28MM	28	8 x 7
SH30MM	30	8 x 7
SH32MM	32	10 x 8
SH35MM	35	10 x 8
SDS Bushings		
Product No.	Bore	Key Seat
SDSMPB	7/16	N/A
SDS12	1/2	1/8 x 1/16
SDS9/16	9/16	1/8 x 1/16
SDS58	5/8	3/16 x 3/32
SDS11/16	11/16	3/16 x 3/32
SDS34	3/4	3/16 x 3/32
SDS13/16	13/16	3/16 x 3/32
SDS78	7/8	3/16 x 3/32
SDS15/16	15/16	1/4 x 1/8
SDS1	1	1/4 x 1/8
SDS1116	1 1/16	1/4 x 1/8
SDS118	1 1/8	1/4 x 1/8
SDS1316	1 3/16	1/4 x 1/8
SDS114	1 1/4	1/4 x 1/8
SDS1516	1 5/16	5/16 x 5/32
SDS138	1 3/8	5/16 x 5/32
SDS13838KS	1 3/8	3/8 x 3/16
SDS1716	1 7/16	3/8 x 3/16
SDS112	1 1/2	3/8 x 3/16
SDS1916	1 9/16	3/8 x 3/16
SDS158	1 5/8	3/8 x 3/16
SDS11116	1 11/16	3/8 x 3/16
SDS134	1 3/4	3/8 x 1/8
SDS1316	1 13/16	1/2 x 1/8
SD178	1 7/8	1/2 x 1/16
SD11516	1 15/16	1/2 x 1/16
SD2	2	None
SD24MM	24	8 x 7
SD25MM	25	8 x 7
SD28MM	28	8 x 7
SD30MM	30	8 x 7
SD32MM	32	10 x 8
SD35MM	35	10 x 8
SD38MM	38	10 x 8
SD40MM	40	12 x 8
SD42MM	42	12 x 8
SK Bushings		
Product No.	Bore	Key Seat
SKMPB	7/16	N/A
SK12	1/2	1/8 x 1/16
SK9/16	9/16	1/8 x 1/16
SK58	5/8	3/16 x 3/32
SK11/16	11/16	3/16 x 3/32
SK34	3/4	3/16 x 3/32
SK13/16	13/16	3/16 x 3/32
SK78	7/8	3/16 x 3/32
SK15/16	15/16	1/4 x 1/8
SK1	1	1/4 x 1/8
SK1116	1 1/16	1/4 x 1/8

SDS25MM	25	8 x 7
SDS28MM	28	8 x 7
SDS30MM	30	8 x 7
SDS32MM	32	10 x 8
SDS35MM	35	10 x 8
SDS38MM	38	10 x 8
SDS40MM	40	12 x 8
SDS42MM	42	12 x 8
SD Bushings		
Product No.	Bore	Key Seat
SDMPB	7/16	N/A
SD12	1/2	1/8 x 1/16
SD9/16	9/16	1/8 x 1/16
SD58	5/8	3/16 x 3/32
SD11/16	11/16	3/16 x 3/32
SD34	3/4	3/16 x 3/32
SD13/16	13/16	3/16 x 3/32
SD78	7/8	3/16 x 3/32
SD15/16	15/16	1/4 x 1/8
SD1	1	1/4 x 1/8
SD1116	1 1/16	1/4 x 1/8
SD118	1 1/8	1/4 x 1/8
SD1316	1 3/16	1/4 x 1/8
SD114	1 1/4	1/4 x 1/8
SD1516	1 5/16	5/16 x 5/32
SD138	1 3/8	5/16 x 5/32
SD13838KS	1 3/8	3/8 x 3/16
SD1716	1 7/16	3/8 x 3/16
SD112	1 1/2	3/8 x 3/16
SD1916	1 9/16	3/8 x 3/16
SD158	1 5/8	3/8 x 3/16
SD11116	1 11/16	3/8 x 3/16
SD134	1 3/4	3/8 x 1/8
SD11316	1 13/16	1/2 x 1/8
SD178	1 7/8	1/2 x 1/16
SD11516	1 15/16	1/2 x 1/16
SD2	2	None
SD24MM	24	8 x 7
SD25MM	25	8 x 7
SD28MM	28	8 x 7
SD30MM	30	8 x 7
SD32MM	32	10 x 8
SD35MM	35	10 x 8
SD38MM	38	10 x 8
SD40MM	40	12 x 8
SD42MM	42	12 x 8
SK Bushings		
Product No.	Bore	Key Seat
SKMPB	7/16	N/A
SK12	1/2	1/8 x 1/16
SK9/16	9/16	1/8 x 1/16
SK58	5/8	3/16 x 3/32
SK11/16	11/16	3/16 x 3/32
SK34	3/4	3/16 x 3/32
SK13/16	13/16	3/16 x 3/32
SK78	7/8	3/16 x 3/32
SK15/16	15/16	1/4 x 1/8
SK1	1	1/4 x 1/8
SK1116	1 1/16	1/4 x 1/8

SK118	1 1/8	1/4 x 1/8
SK1316	1 3/16	1/4 x 1/8
SK114	1 1/4	1/4 x 1/8
SK1516	1 5/16	5/16 x 5/32
SK151638KS	1 5/16	3/8 x 3/16
SK138	1 3/8	5/16 x 5/32
SK13838KS	1 3/8	3/8 x 3/16
SK1716	1 7/16	3/8 x 3/16
SK112	1 1/2	3/8 x 3/16
SK1916	1 9/16	3/8 x 3/16
SK158	1 5/8	3/8 x 3/16
SK11116	1 11/16	3/8 x 3/16
SK134	1 3/4	3/8 x 3/16
SK13412KS	1 3/4	1/2 x 1/4
SK11316	1 13/16	1/2 x 1/4
SK178	1 7/8	1/2 x 1/4
SK11516	1 15/16	1/2 x 1/4
SK2	2	1/2 x 1/4
SK2116	2 1/16	1/2 x 1/4
SK218	2 1/8	1/2 x 1/4
SK2316	2 3/16	1/2 x 1/8
SK214	2 1/4	1/2 x 1/8
SK21458KS	2 1/4	5/8 x 1/8
SK2516	2 5/16	5/8 x 1/16
SK238	2 3/8	5/8 x 1/16
SK2716	2 7/16	5/8 x 1/16
SK212	2 1/2	5/8 x 1/16
SK2916	2 9/16	None
SK258	2 5/8	None
SK24MM	24	8 x 7
SK25MM	25	8 x 7
SK28MM	28	8 x 7
SK30MM	30	8 x 7
SK32MM	32	10 x 8
SK35MM	35	10 x 8
SK38MM	38	10 x 8
SK40MM	40	12 x 8
SK42MM	42	12 x 8
SK45MM	45	14 x 9
SK48MM	48	14 x 9
SK50MM	50	14 x 9
SK55MM	55	16 x 10
SF Bushings		
Product No.	Bore	Key Seat
SFMPB	1/2	N/A
SF12	1/2	1/8 x 1/16
SF58	5/8	3/16 x 3/32
SF34	3/4	3/16 x 3/32
SF78	7/8	3/16 x 3/32
SF15/16	15/16	1/4 x 1/8
SF1	1	1/4 x 1/8
SF1116	1 1/16	1/4 x 1/8
SF118	1 1/8	1/4 x 1/8
SF1316	1 3/16	1/4 x 1/8
SF114	1 1/4	1/4 x 1/8
SF1516	1 5/16	5/16 x 5/32
SF138	1 3/8	5/16 x 5/32
SF13838KS	1 3/8	3/8 x 3/16
SF1716	1 7/16	3/8 x 3/16
SF112	1 1/2	3/8 x 3/16

Shallow keyseat, special key furnished with bushing

Design does not utilize key

Note 1: MPB bushings are unfinished. They must be bored to size and have keyway and split added.  
 Note 2: Metric bushings show the full size of the key used, not just the bushing keyway.



