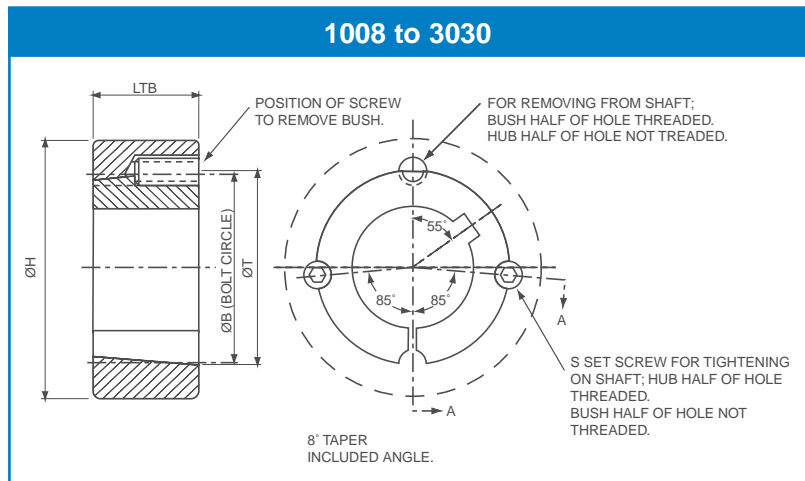


Range and Material Specifications:

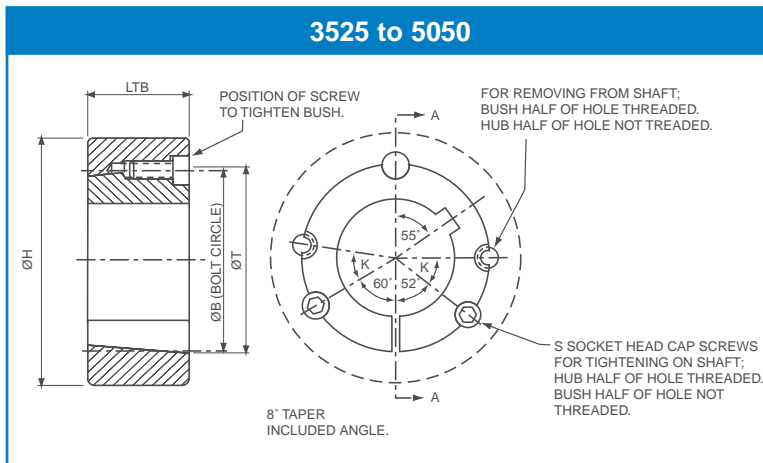
The taper Bushes are manufactured to the highest quality standards using GG22 - 25 cast iron depending on size. Thin wall bushes are produced from C45 steel. All surfaces are carefully machined to provide maximum contact area and transmission of torque.



Taper Bush 1008 to 3030

| BUSH Size. | Ø T | LTB | Minimum HUB Dia H | | | Ø B | S Set Screws | |
|------------|--------|------|-------------------------------------|-------------------------------------|---------------------------------|--------|--------------|---------------|
| | | | UTS 200 N/mm ² Gray Iron | UTS 250 N/mm ² Gray Iron | UTS 420 N/mm ² Steel | | QTY. Screws | Size (Inches) |
| 1008 | 35.20 | 22.3 | 59 | 54 | 51 | 33.73 | 2 | 1/4 x 1/2 |
| 1108 | 38.38 | 22.3 | 61 | 57 | 54 | 36.92 | 2 | 1/4 x 1/2 |
| 1210 | 47.62 | 25.4 | 99 | 86 | 78 | 44.44 | 2 | 3/8 x 5/8 |
| 1215 | 47.62 | 38.1 | 79 | 73 | 68 | 44.44 | 2 | 3/8 x 5/8 |
| 1310 | 50.80 | 25.4 | 100 | 88 | 80 | 47.63 | 2 | 3/8 x 5/8 |
| 1610 | 57.15 | 25.4 | 102 | 92 | 85 | 53.97 | 2 | 3/8 x 5/8 |
| 1615 | 57.15 | 38.1 | 86 | 81 | 77 | 53.97 | 2 | 3/8 x 5/8 |
| 2012 | 69.85 | 31.8 | 115 | 106 | 99 | 66.68 | 2 | 7/16 x 7/8 |
| 2517 | 85.73 | 44.5 | 125 | 119 | 113 | 82.55 | 2 | 1/2 x 1 |
| 2525 | 85.73 | 63.5 | 115 | 111 | 108 | 82.56 | 2 | 1/2 x 1 |
| 3020 | 107.96 | 50.8 | 154 | 146 | 140 | 101.60 | 2 | 5/8 x 1.1/4 |
| 3030 | 107.96 | 76.2 | 141 | 136 | 132 | 101.60 | 2 | 5/8 x 1.1/4 |

Severe operating conditions may require the use of a larger diameter hub.



Taper Bush 3525 to 5050

| BUSH Size. | Ø T | LTB | Minimum HUB Dia H | | | Ø B | S Cap Screws | | K |
|------------|--------|-------|-------------------------------------|-------------------------------------|---------------------------------|--------|-----------------|---------------|-----|
| | | | UTS 200 N/mm ² Gray Iron | UTS 250 N/mm ² Gray Iron | UTS 420 N/mm ² Steel | | QTY. Cap Screws | Size (Inches) | |
| 3525 | 127.00 | 63.5 | 206 | 191 | 178 | 122.68 | 3 | 1/2 x 1.1/2 | 40° |
| 3535 | 127.00 | 89.0 | 185 | 176 | 168 | 122.68 | 3 | 1/2 x 1.1/2 | 40° |
| 4030 | 146.05 | 76.2 | 220 | 207 | 197 | 140.72 | 3 | 5/8 x 1.3/4 | 40° |
| 4040 | 146.05 | 101.5 | 203 | 195 | 188 | 140.72 | 3 | 5/8 x 1.1/4 | 40° |
| 4535 | 161.93 | 89.0 | 221 | 212 | 205 | 455.70 | 3 | 3/4 x 2 | 40° |
| 4545 | 161.93 | 114.3 | 211 | 205 | 200 | 155.70 | 3 | 3/4 x 2 | 40° |
| 5040 | 177.80 | 101.6 | 236 | 229 | 223 | 170.69 | 3 | 7/8 x 2.1/4 | 37° |
| 5050 | 177.80 | 127.0 | 230 | 223 | 219 | 170.69 | 3 | 7/8 x 2.1/4 | 37° |

Severe operating conditions may require the use of a larger diameter hub.

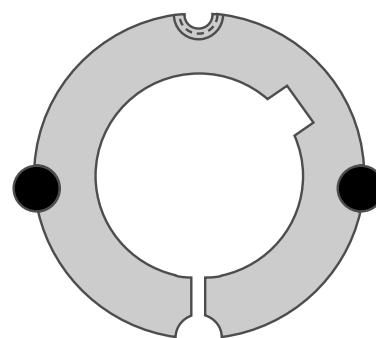
To Install

1. Clean shaft, bore and outside of bush, and bore of hub. Remove any oil, laquer or dirt. Place bush in hub and match half holes to make complete holes (each complete hole will be threaded on one side only).
2. Lightly oil thread and point of set screws, or thread and under head of cap screws. Place screws loosely in holes that are threaded on hub side.
3. Make sure bush is free in hub. Slip assembly onto shaft and locate in the desired position.
4. Tighten screws alternately and evenly until all are pulled up tightly (See table for torque settings).
5. Hammer against large end of bush using hammer and block or sleeve to avoid damage. Screws can now be turned a little more to the specified torque setting. Repeat this alternate hammering and screw re-tightening until the specified torque is reached. Fill all holes with grease to exclude dirt.

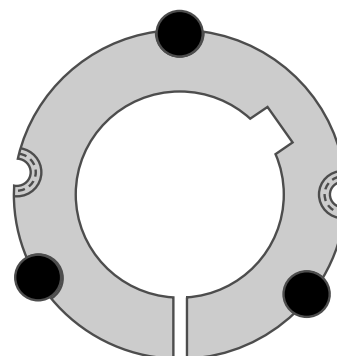
To Remove

1. Remove all screws (●). Lightly oil thread and point of set screws, or thread and under head of cap screws.
2. Insert screws into removal holes that are threaded on the bush side (☺). In sizes where washers are found under screw heads, be sure to use these washers.
3. Tighten screws alternately until bush is loosened in hub and then remove the complete assembly. If bush does not loosen immediately, tap on hub.

1008 to 3030



3525 to 5050



Recommended Wrench Torque

| Bush Size. | Screws | Tightening Torque (Nm) | Bush Size. | Screws | Tightening Torque (Nm) | Bush Size. | Screws | Tightening Torque (Nm) |
|------------|-----------------|------------------------|------------|------------------|------------------------|------------|-----------------|------------------------|
| 1008 | 1/4" Set Screws | 6 | 2012 | 7/16" Set Screws | 30 | 4030 | 5/8" Cap Screws | 170 |
| 1108 | 1/4" Set Screws | 6 | 2517 | 1/2" Set Screws | 50 | 4040 | 5/8" Cap Screws | 170 |
| 1210 | 3/8" Set Screws | 20 | 2525 | 1/2" Set Screws | 50 | 4535 | 3/4" Cap Screws | 190 |
| 1215 | 3/8" Set Screws | 20 | 3020 | 5/8" Set Screws | 90 | 4545 | 3/4" Cap Screws | 190 |
| 1310 | 3/8" Set Screws | 20 | 3030 | 5/8" Set Screws | 90 | 5040 | 7/8" Cap Screws | 270 |
| 1610 | 3/8" Set Screws | 20 | 3525 | 1/2" Cap Screws | 113 | 5050 | 7/8" Cap Screws | 270 |
| 1615 | 3/8" Set Screws | 20 | 3535 | 1/2" Cap Screws | 113 | | | |

1008

| BORE | WT. (kg) | KEYSEAT | |
|------------|-------------|----------|---------|
| | | BUSH | SHAFT |
| 9 | 0.13 | 3 x 1.4 | 3 x 1.8 |
| 10 | 0.14 | 3 x 1.4 | 3 x 1.8 |
| 11 | 0.14 | 4 x 1.8 | 4 x 2.5 |
| 12 | 0.13 | 4 x 1.8 | 4 x 2.6 |
| 14 | 0.13 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.12 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.11 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.10 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.10 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.09 | 6 x 2.8 | 6 x 3.5 |
| 24* | 0.09 | 8 x 1.3* | 8 x 4.0 |
| 25* | 0.08 | 8 x 1.3* | 8 x 4.0 |

1108

| BORE | WT. (kg) | KEYSEAT | |
|------------|-------------|----------|---------|
| | | BUSH | SHAFT |
| 9 | 0.16 | 3 x 1.4 | 3 x 1.8 |
| 10 | 0.15 | 3 x 1.4 | 3 x 1.8 |
| 11 | 0.10 | 4 x 1.8 | 4 x 2.5 |
| 12 | 0.16 | 4 x 1.8 | 4 x 2.5 |
| 14 | 0.16 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.14 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.14 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.13 | 5 x 2.8 | 6 x 3.5 |
| 20 | 0.13 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.12 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.11 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.10 | 8 x 3.3 | 8 x 4.0 |
| 28* | 0.09 | 8 x 1.3* | 8 x 4.0 |

1210

| BORE | WT. (kg) | KEYSEAT | |
|-----------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 11 | 0.20 | 4 x 1.8 | 4 x 2.5 |
| 12 | 0.28 | 4 x 1.8 | 4 x 2.5 |
| 14 | 0.28 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.27 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.26 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.25 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.25 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.23 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.22 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.21 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.19 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.17 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.15 | 10 x 3.3 | 10 x 5.0 |

1215

| BORE | WT. (kg) | KEYSEAT | |
|-----------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 11 | 0.41 | 4 x 1.8 | 4 x 2.5 |
| 12 | 0.40 | 4 x 1.8 | 4 x 2.5 |
| 14 | 0.39 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.38 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.37 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.36 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.35 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.33 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.31 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.30 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.27 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.24 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.22 | 10 x 3.3 | 10 x 5.0 |

1310

| BORE | WT. (kg) | KEYSEAT | |
|-----------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 14 | 0.32 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.31 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.30 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.29 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.29 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.28 | 5 x 2.8 | 6 x 3.5 |
| 24 | 0.26 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.26 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.23 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.22 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.20 | 10 x 3.3 | 10 x 5.0 |
| 35 | 0.17 | 10 x 3.3 | 10 x 5.0 |

1610

| BORE | WT. (kg) | KEYSEAT | |
|-----------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 14 | 0.42 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.41 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.40 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.40 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.39 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.38 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.36 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.35 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.33 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.31 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.29 | 10 x 3.3 | 10 x 5.0 |
| 35 | 0.26 | 10 x 3.3 | 10 x 5.0 |
| 38 | 0.24 | 10 x 3.3 | 10 x 5.0 |
| 40 | 0.22 | 12 x 3.3 | 12 x 5.0 |
| 42 | 0.20 | 12 x 3.3 | 12 x 5.0 |

Bold italic type indicate bushes made of steel.

Keyways are in accordance with BS4235, Part 1, 1972, DIN6885 and conform to ISO recommendations with the exception of those marked* which are shallower.

Depth of key measured at center

1615

| BORE | WT. (kg) | KEYSEAT | |
|------------|-------------|-----------|----------|
| | | BUSH | SHAFT |
| 14 | 0.60 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.58 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.56 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.56 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.54 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.52 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.50 | 8 x 3.3 | 6 x 4.0 |
| 25 | 0.49 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.47 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.44 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.41 | 10 x 3.3 | 10 x 5.0 |
| 35 | 0.38 | 10 x 3.3 | 10 x 5.0 |
| 38 | 0.33 | 10 x 3.3 | 10 x 5.0 |
| 40 | 0.31 | 12 x 3.3 | 12 x 5.0 |
| 42* | 0.28 | 12 x 2.2* | 12 x 5.0 |

2517

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 16 | 1.75 | 5 x 2.3 | 5 x 3.0 |
| 18 | 1.71 | 6 x 2.8 | 6 x 3.5 |
| 19 | 1.66 | 6 x 2.8 | 6 x 3.5 |
| 20 | 1.62 | 6 x 2.8 | 6 x 3.5 |
| 22 | 1.58 | 6 x 2.8 | 6 x 3.5 |
| 24 | 1.56 | 8 x 3.3 | 8 x 4.0 |
| 25 | 1.56 | 8 x 3.3 | 8 x 4.0 |
| 28 | 1.50 | 8 x 3.3 | 8 x 4.0 |
| 30 | 1.49 | 8 x 3.3 | 8 x 4.0 |
| 32 | 1.46 | 10 x 3.3 | 10 x 5.0 |
| 35 | 1.42 | 10 x 3.3 | 10 x 5.0 |
| 38 | 1.35 | 10 x 3.3 | 10 x 5.0 |
| 40 | 1.31 | 12 x 3.3 | 12 x 5.0 |
| 42 | 1.26 | 12 x 3.3 | 12 x 5.0 |
| 45 | 1.20 | 14 x 3.8 | 14 x 5.5 |
| 48 | 1.14 | 14 x 3.8 | 14 x 5.5 |
| 50 | 1.10 | 14 x 3.8 | 14 x 5.5 |
| 55 | 0.95 | 16 x 4.3 | 16 x 6.0 |
| 60 | 0.82 | 18 x 4.4 | 18 x 7.0 |
| 65 | 0.70 | 18 x 4.4 | 18 x 7.0 |

3020

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 25 | 2.93 | 8 x 3.3 | 8 x 4.0 |
| 28 | 2.88 | 8 x 3.3 | 8 x 4.0 |
| 30 | 2.85 | 8 x 3.3 | 8 x 4.0 |
| 32 | 2.84 | 10 x 3.3 | 10 x 5.0 |
| 35 | 2.77 | 10 x 3.3 | 10 x 5.0 |
| 38 | 2.71 | 10 x 3.3 | 10 x 5.0 |
| 40 | 2.67 | 12 x 3.3 | 12 x 5.0 |
| 42 | 2.60 | 12 x 3.3 | 12 x 5.0 |
| 45 | 2.56 | 14 x 3.8 | 14 x 5.5 |
| 48 | 2.47 | 14 x 3.8 | 14 x 5.5 |
| 50 | 2.20 | 14 x 3.8 | 14 x 5.5 |
| 55 | 2.15 | 16 x 4.3 | 16 x 6.0 |
| 60 | 2.07 | 18 x 4.4 | 18 x 7.0 |
| 65 | 1.93 | 18 x 4.4 | 18 x 7.0 |
| 70 | 1.70 | 20 x 4.9 | 20 x 7.5 |
| 75 | 1.50 | 20 x 4.9 | 20 x 7.5 |

2012

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 14 | 0.79 | 5 x 2.3 | 5 x 3.0 |
| 16 | 0.78 | 5 x 2.3 | 5 x 3.0 |
| 18 | 0.77 | 6 x 2.8 | 6 x 3.5 |
| 19 | 0.76 | 6 x 2.8 | 6 x 3.5 |
| 20 | 0.76 | 6 x 2.8 | 6 x 3.5 |
| 22 | 0.74 | 6 x 2.8 | 6 x 3.5 |
| 24 | 0.73 | 8 x 3.3 | 8 x 4.0 |
| 25 | 0.71 | 8 x 3.3 | 8 x 4.0 |
| 28 | 0.68 | 8 x 3.3 | 8 x 4.0 |
| 30 | 0.66 | 8 x 3.3 | 8 x 4.0 |
| 32 | 0.64 | 10 x 3.3 | 10 x 5.0 |
| 35 | 0.61 | 10 x 3.3 | 10 x 5.0 |
| 38 | 0.57 | 10 x 3.3 | 10 x 5.0 |
| 40 | 0.54 | 12 x 3.3 | 12 x 5.0 |
| 42 | 0.51 | 12 x 3.3 | 12 x 5.0 |
| 45 | 0.47 | 14 x 3.8 | 14 x 5.5 |
| 48 | 0.42 | 14 x 3.8 | 14 x 5.5 |
| 50 | 0.37 | 14 x 3.8 | 14 x 5.5 |

2525

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 22 | 2.20 | 6 x 2.8 | 6 x 3.5 |
| 24 | 2.17 | 8 x 3.3 | 8 x 4.0 |
| 25 | 2.15 | 8 x 3.3 | 8 x 4.0 |
| 28 | 2.09 | 8 x 3.3 | 8 x 4.0 |
| 30 | 2.05 | 8 x 3.3 | 8 x 4.0 |
| 32 | 2.01 | 10 x 3.3 | 10 x 5.0 |
| 35 | 1.94 | 10 x 3.3 | 10 x 5.0 |
| 38 | 1.86 | 10 x 3.3 | 10 x 5.0 |
| 40 | 1.80 | 12 x 3.3 | 12 x 5.0 |
| 42 | 1.74 | 12 x 3.3 | 12 x 5.0 |
| 45 | 1.65 | 14 x 3.8 | 14 x 5.5 |
| 48 | 1.55 | 14 x 3.8 | 14 x 5.5 |
| 50 | 1.48 | 14 x 3.8 | 14 x 5.5 |
| 55 | 1.29 | 16 x 4.3 | 16 x 6.0 |
| 60 | 1.08 | 18 x 4.4 | 18 x 7.0 |

3030

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 35 | 3.97 | 10 x 3.3 | 10 x 5.0 |
| 38 | 3.89 | 10 x 3.3 | 10 x 5.0 |
| 40 | 3.80 | 12 x 3.3 | 12 x 5.0 |
| 40 | 3.65 | 12 x 3.3 | 12 x 5.0 |
| 42 | 3.40 | 14 x 3.8 | 14 x 5.5 |
| 45 | 3.35 | 14 x 3.8 | 14 x 5.5 |
| 48 | 3.30 | 14 x 3.8 | 14 x 5.5 |
| 50 | 3.25 | 14 x 3.8 | 14 x 5.5 |
| 55 | 3.20 | 16 x 4.3 | 16 x 6.0 |
| 60 | 2.95 | 18 x 4.4 | 18 x 7.0 |
| 65 | 2.67 | 18 x 4.4 | 18 x 7.0 |
| 70 | 2.45 | 20 x 4.9 | 20 x 7.5 |
| 75 | 2.10 | 20 x 4.9 | 20 x 7.5 |

Bold italic type indicate bushes made of steel.

Keyways are in accordance with BS4235, Part 1, 1972, DIN6885 and conform to ISO recommendations with the exception of those marked* which are shallower.

Depth of key measured at center

3525

| BORE | WT. (kg) | KEYSEAT | |
|-------------|-------------|-----------|-----------|
| | | BUSH | SHAFT |
| 35 | 4.96 | 10 x 3.3 | 10 x 5.0 |
| 38 | 4.88 | 10 x 3.3 | 10 x 5.0 |
| 40 | 4.82 | 12 x 3.3 | 12 x 5.0 |
| 42 | 4.76 | 12 x 3.3 | 12 x 5.0 |
| 45 | 4.67 | 14 x 3.8 | 14 x 5.5 |
| 48 | 4.57 | 14 x 3.8 | 14 x 5.5 |
| 50 | 4.50 | 14 x 3.8 | 14 x 5.5 |
| 55 | 4.31 | 16 x 4.3 | 16 x 6.0 |
| 60 | 4.10 | 18 x 4.4 | 18 x 7.0 |
| 65 | 3.88 | 18 x 4.4 | 18 x 7.0 |
| 70 | 3.64 | 20 x 4.9 | 20 x 7.5 |
| 75 | 3.38 | 20 x 4.9 | 20 x 7.5 |
| 80 | 3.10 | 22 x 5.4 | 22 x 9.0 |
| 85 | 2.80 | 22 x 5.4 | 22 x 9.0 |
| 90 | 2.49 | 25 x 5.4 | 25 x 9.0 |
| 95 | 2.20 | 25 x 5.4 | 25 x 9.0 |
| 100* | 2.00 | 28 x 5.4* | 28 x 10.0 |

3535

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|----------|
| | | BUSH | SHAFT |
| 35 | 6.20 | 10 x 3.3 | 10 x 5.0 |
| 38 | 6.50 | 10 x 3.3 | 10 x 5.0 |
| 40 | 6.60 | 12 x 3.3 | 12 x 5.0 |
| 42 | 6.34 | 12 x 3.3 | 12 x 5.0 |
| 45 | 6.25 | 14 x 3.8 | 14 x 5.5 |
| 48 | 6.10 | 14 x 3.8 | 14 x 5.5 |
| 50 | 6.00 | 14 x 3.8 | 14 x 5.5 |
| 55 | 5.77 | 16 x 4.3 | 16 x 6.0 |
| 60 | 5.45 | 18 x 4.4 | 18 x 7.0 |
| 65 | 5.15 | 18 x 4.4 | 18 x 7.0 |
| 70 | 4.80 | 20 x 4.9 | 20 x 7.5 |
| 75 | 4.45 | 20 x 4.9 | 20 x 7.5 |
| 80 | 4.06 | 22 x 5.4 | 22 x 9.0 |
| 85 | 3.63 | 22 x 5.4 | 22 x 9.0 |
| 90 | 3.50 | 25 x 5.4 | 25 x 9.0 |

4030

| BORE | WT. (kg) | KEYSEAT | |
|-------------|-------------|-----------|-----------|
| | | BUSH | SHAFT |
| 40 | 7.85 | 12 x 3.3 | 12 x 5.0 |
| 42 | 7.78 | 12 x 3.3 | 12 x 5.0 |
| 45 | 7.66 | 14 x 3.8 | 14 x 5.5 |
| 48 | 7.54 | 14 x 3.8 | 14 x 5.5 |
| 50 | 7.46 | 14 x 3.8 | 14 x 5.5 |
| 55 | 7.23 | 16 x 4.3 | 16 x 6.0 |
| 60 | 6.99 | 18 x 4.4 | 18 x 7.0 |
| 65 | 6.72 | 18 x 4.4 | 18 x 7.0 |
| 70 | 6.43 | 20 x 4.9 | 20 x 7.5 |
| 75 | 6.11 | 20 x 4.9 | 20 x 7.5 |
| 80 | 5.78 | 22 x 5.4 | 22 x 9.0 |
| 85 | 5.42 | 22 x 5.4 | 22 x 9.0 |
| 90 | 5.05 | 25 x 5.4 | 25 x 9.0 |
| 95 | 4.65 | 25 x 6.4 | 25 x 9.0 |
| 100 | 4.23 | 28 x 6.4 | 28 x 10.0 |
| 105 | 4.00 | 28 x 6.4 | 28 x 10.0 |
| 110 | 3.80 | 28 x 6.4 | 28 x 10.0 |
| 115* | 3.60 | 32 x 5.4* | 32 x 11.0 |

4040

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|-----------|
| | | BUSH | SHAFT |
| 40 | 10.46 | 12 x 3.3 | 12 x 5.0 |
| 42 | 10.07 | 12 x 3.3 | 12 x 5.0 |
| 45 | 9.77 | 14 x 3.8 | 14 x 5.5 |
| 48 | 9.84 | 14 x 3.8 | 14 x 5.5 |
| 50 | 9.50 | 14 x 3.8 | 14 x 5.5 |
| 55 | 9.25 | 16 x 4.3 | 16 x 6.0 |
| 60 | 8.90 | 18 x 4.4 | 18 x 7.0 |
| 65 | 8.50 | 18 x 4.4 | 18 x 7.0 |
| 70 | 8.20 | 20 x 4.9 | 20 x 7.5 |
| 75 | 7.70 | 20 x 4.9 | 20 x 7.5 |
| 80 | 7.40 | 22 x 5.4 | 22 x 9.0 |
| 85 | 6.90 | 22 x 5.4 | 22 x 9.0 |
| 90 | 6.40 | 25 x 5.4 | 25 x 9.0 |
| 95 | 5.95 | 25 x 5.4 | 25 x 9.0 |
| 100 | 5.50 | 28 x 6.4 | 28 x 10.0 |

Bold italic type indicate bushes made of steel.

Keyways are in accordance with BS4235, Part 1, 1972, DIN6885 and conform to ISO recommendations with the exception of those marked* which are shallower.

Depth of key measured at center

4535

| BORE | WT. (kg) | KEYSEAT | |
|------------|-------------|----------|-----------|
| | | BUSH | SHAFT |
| 55 | 10.69 | 16 x 4.3 | 10 x 6.0 |
| 60 | 10.40 | 18 x 4.4 | 18 x 7.0 |
| 65 | 10.08 | 18 x 4.4 | 18 x 7.0 |
| 70 | 9.74 | 20 x 4.9 | 20 x 7.5 |
| 75 | 9.38 | 20 x 4.9 | 20 x 7.5 |
| 80 | 8.99 | 22 x 5.4 | 22 x 9.0 |
| 85 | 8.57 | 22 x 5.4 | 22 x 9.0 |
| 90 | 8.13 | 25 x 5.4 | 25 x 9.0 |
| 95 | 7.67 | 25 x 5.4 | 25 x 9.0 |
| 100 | 7.17 | 28 x 6.4 | 28 x 10.0 |
| 105 | 6.66 | 28 x 6.4 | 28 x 10.0 |
| 110 | 6.12 | 28 x 6.4 | 28 x 10.0 |
| 115 | 6.00 | 32 x 7.4 | 32 x 11.0 |
| 120 | 5.80 | 32 x 7.4 | 32 x 11.0 |
| 125 | 5.60 | 32 x 7.4 | 32 x 11.0 |

4545

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|-----------|
| | | BUSH | SHAFT |
| 55 | 13.20 | 16 x 4.3 | 16 x 6.0 |
| 60 | 12.90 | 18 x 4.4 | 18 x 7.0 |
| 65 | 12.40 | 18 x 4.4 | 18 x 7.0 |
| 70 | 12.00 | 20 x 4.9 | 20 x 7.5 |
| 75 | 11.50 | 20 x 4.9 | 20 x 7.5 |
| 80 | 10.90 | 22 x 5.4 | 22 x 9.0 |
| 85 | 10.50 | 22 x 5.4 | 22 x 9.0 |
| 90 | 9.90 | 25 x 5.4 | 25 x 9.0 |
| 95 | 9.50 | 25 x 5.4 | 25 x 9.0 |
| 100 | 8.90 | 28 x 6.4 | 28 x 10.0 |
| 105 | 8.20 | 28 x 6.4 | 28 x 10.0 |
| 110 | 7.40 | 28 x 6.4 | 28 x 10.0 |

5040

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|-----------|
| | | BUSH | SHAFT |
| 70 | 13.93 | 20 x 4.9 | 20 x 7.5 |
| 75 | 13.52 | 20 x 4.9 | 20 x 7.5 |
| 80 | 13.07 | 22 x 5.4 | 22 x 9.0 |
| 85 | 12.60 | 22 x 5.4 | 22 x 9.0 |
| 90 | 12.09 | 25 x 5.4 | 25 x 9.0 |
| 95 | 11.56 | 25 x 5.4 | 25 x 9.0 |
| 100 | 11.00 | 28 x 6.4 | 28 x 10.0 |
| 105 | 10.41 | 28 x 6.4 | 28 x 10.0 |
| 110 | 9.80 | 28 x 6.4 | 28 x 10.0 |
| 115 | 9.15 | 32 x 7.4 | 32 x 11.0 |
| 120 | 8.48 | 32 x 7.4 | 32 x 11.0 |
| 125 | 7.77 | 32 x 7.4 | 32 x 11.0 |

5050

| BORE | WT. (kg) | KEYSEAT | |
|------|-------------|----------|-----------|
| | | BUSH | SHAFT |
| 70 | 17.00 | 20 x 4.9 | 20 x 7.5 |
| 75 | 16.30 | 20 x 4.9 | 20 x 7.5 |
| 80 | 15.60 | 22 x 5.4 | 22 x 9.0 |
| 85 | 15.00 | 22 x 5.4 | 22 x 9.0 |
| 90 | 14.40 | 25 x 5.4 | 25 x 9.0 |
| 95 | 13.60 | 25 x 5.4 | 25 x 9.0 |
| 100 | 12.90 | 28 x 6.4 | 28 x 10.0 |
| 105 | 12.30 | 28 x 6.4 | 28 x 10.0 |
| 110 | 11.50 | 28 x 6.4 | 28 x 10.0 |
| 115 | 10.60 | 32 x 7.4 | 32 x 11.0 |
| 120 | 9.80 | 32 x 7.4 | 32 x 11.0 |
| 125 | 8.90 | 32 x 7.4 | 32 x 11.0 |

Bold italic type indicate bushes made of steel.

Keyways are in accordance with BS4235, Part 1, 1972, DIN6885 and conform to ISO recommendations with the exception of those marked* which are shallower.

Depth of key measured at center

1008

| BORE | WT. (kg) | KEYSEAT | |
|-----------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 3/8 | 0.14 | 0.125 x 0.060 | 0.125 x 0.072 |
| 1/2 | 0.13 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.12 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.11 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.09 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1* | 0.07 | 0.250 x 0.053* | 0.250 x 0.142 |

1108

| BORE | WT. (kg) | KEYSEAT | |
|---------------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 3/8 | 0.17 | 0.125 x 0.060 | 0.125 x 0.072 |
| 1/2 | 0.16 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.15 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.14 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.12 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.10 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8* | 0.08 | 0.312 x 0.080* | 0.312 x 0.177 |

1210

| BORE | WT. (kg) | KEYSEAT | |
|--------------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1/2 | 0.20 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.28 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.26 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.24 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.21 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.10 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.15 | 0.312 x 0.112 | 0.312 x 0.177 |

1215

| BORE | WT. (kg) | KEYSEAT | |
|--------------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 5/8 | 0.42 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.30 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.36 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.32 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.28 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.24 | 0.312 x 0.112 | 0.312 x 0.177 |

1310

| BORE | WT. (kg) | KEYSEAT | |
|--------------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1/2 | 0.35 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.34 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.32 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.30 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.28 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.25 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.22 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 0.19 | 0.375 x 0.11 | 0.375 x 0.213 |

1610

| BORE | WT. (kg) | KEYSEAT | |
|--------------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1/2 | 0.46 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.44 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.42 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.40 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.38 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.35 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.32 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 0.29 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 1/2 | 0.25 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 5/8 | 0.21 | 0.438 x 0.134 | 0.438 x 0.248 |

1615

| BORE | WT. (kg) | KEYSEAT | |
|---------------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 1/2 | 0.66 | 0.125 x 0.060 | 0.125 x 0.072 |
| 5/8 | 0.64 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.61 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.58 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.55 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.51 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.46 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 0.41 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 1/2 | 0.36 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 5/8* | 0.30 | 0.438 x 0.103* | 0.438 x 0.248 |

Bold italic type indicate bushes made of steel.

Keyways are parallel and in accordance with BS46:Part 1:1958, with the exception of those marked* which are shallower.

Depth of key measured at centre

2012

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 5/8 | 0.85 | 0.188 x 0.088 | 0.188 x 0.107 |
| 3/4 | 0.83 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 0.80 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 0.77 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 0.74 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 0.70 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 0.66 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 1/2 | 0.61 | 0.375 x 0.11 | 0.375 x 0.213 |
| 1 5/8 | 0.56 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 0.51 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 0.45 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 0.39 | 0.500 x 0.131 | 0.500 x 0.283 |

2517

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 3/4 | 1.77 | 0.188 x 0.088 | 0.188 x 0.107 |
| 7/8 | 1.74 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 1.70 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 1.65 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 1.60 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 1.54 | 0.375 x 0.110 | 0.376 x 0.213 |
| 1 1/2 | 1.48 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 1.41 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 1.33 | 0.438 x 0.134 | 0.438 X 0.248 |
| 1 7/8 | 1.25 | 0.500 x 0.131 | 0.500 X 0.263 |
| 2 | 1.17 | 0.500 x 0.131 | 0.500 X 0.283 |
| 2 1/8 | 1.07 | 0.625 x 0.185 | 0.626 x 0.354 |
| 2 1/4 | 0.98 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 0.88 | 0.625 x 0.185 | 0.025 x 0.354 |
| 2 1/2 | 0.77 | 0.625 x 0.185 | 0.625 x 0.354 |

2525

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 7/8 | 2.38 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 | 2.31 | 0.250 x 0.115 | 0.250 x 0.142 |
| 1 1/8 | 2.24 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 1/4 | 2.19 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 1.99 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 1/2 | 1.97 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 1.94 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 1.62 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 1.72 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 1.58 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 1.45 | 0.625 x 0.185 | 0.625 x 0.364 |
| 2 1/4 | 1.31 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 1.18 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 1.01 | 0.625 x 0.153* | 0.625 x 0.354 |

3020

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1 1/4 | 3.07 | 0.312 x 0.112 | 0.212 x 0.177 |
| 1 3/8 | 3.00 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 1/2 | 2.93 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 2.85 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 2.76 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 2.67 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 2.57 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 2.47 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/4 | 2.36 | 0.625 x 0.185 | 0.025 x 0.354 |
| 2 3/8 | 2.24 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 2.12 | 0.625 x 0.185 | 0.025 x 0.354 |
| 2 5/8 | 1.99 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 1.85 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 1.78 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 1.56 | 0.750 x 0.209 | 0.750 x 0.424 |

3030

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1 1/4 | 4.44 | 0.312 x 0.112 | 0.312 x 0.177 |
| 1 3/8 | 4.34 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 1/2 | 4.23 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 4.12 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 3.99 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 3.85 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 3.70 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 3.55 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/4 | 3.38 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 3.21 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 3.02 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 5/8 | 2.63 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 2.62 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 2.41 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 2.19 | 0.750 x 0.209 | 0.750 x 0.424 |

Bold italic type indicate bushes made of steel.

Keyways are parallel and in accordance with BS46:Part 1:1958, with the exception of those marked* which are shallower.

Depth of key measured at centre

3525

| BORE | WT. (kg) | KEYSEAT | |
|---------------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 1 1/2 | 5.28 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 5.18 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 5.08 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 4.96 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 4.84 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 4.71 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/4 | 4.57 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 4.42 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 4.27 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 5/8 | 4.11 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 3.94 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 3.76 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 3.58 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 3.38 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 3.18 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 2.07 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 2.80 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4* | 2.50 | 0.999 x 0.245* | 1.000 x 0.566 |
| 4* | 2.20 | 0.999 x 0.155* | 1.000 x 0.566 |

3535

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1 1/2 | 7.16 | 0.375 x 0.110 | 0.375 x 0.213 |
| 1 5/8 | 7.02 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 3/4 | 0.88 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 6.73 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 6.55 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 6.36 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/4 | 6.16 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 5.96 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 5.75 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 5/8 | 5.51 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 5.28 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 5.02 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 4.77 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 4.50 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 4.21 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 3.92 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 3.62 | 0.875 x 0.264 | 0.875 x 0.495 |

4030

| BORE | WT. (kg) | KEYSEAT | |
|---------------|-------------|----------------|---------------|
| | | BUSH | SHAFT |
| 1 3/4 | 8.33 | 0.438 x 0.134 | 0.438 x 0.248 |
| 2 | 8.04 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 1/8 | 7.88 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/4 | 7.71 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 7.54 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 7.36 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 5/8 | 7.16 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 6.96 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 6.75 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 6.53 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 6.28 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 6.05 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 5.80 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 5.54 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 4.98 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 4.40 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 1/4 | 4.00 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 1/2* | 3.70 | 1.250 x 0.255* | 1.250 x 0.707 |

4040

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 1 3/4 | 10.92 | 0.438 x 0.134 | 0.438 x 0.248 |
| 1 7/8 | 10.61 | 0.500 x 0.131 | 0.500 x 0.283 |
| 2 | 10.42 | 0.500 x 0.131 | 0.500 x 0.238 |
| 2 1/8 | 10.21 | 0.625 x 0.185 | 0.625 x 0.254 |
| 2 1/4 | 9.99 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 9.71 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 9.51 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 5/8 | 9.15 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 3/4 | 8.97 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 8.09 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 8.40 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 8.09 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 7.76 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 7.43 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 7.08 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 6.35 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 5.56 | 1.000 x 0.318 | 1.000 x 0.566 |

Bold italic type indicate bushes made of steel.

Keyways are parallel and in accordance with BS46:Part 1:1958, with the exception of those marked* which are shallower.

Depth of key measured at centre

4535

| BORE | WT. (kg) | KEYSEAT | |
|--------------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 2 1/4 | 8.65 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 14.06 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 9.99 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/4 | 9.53 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 12.87 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 9.02 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 8.75 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 8.46 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 8.17 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 7.87 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 7.22 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 6.54 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 1/4 | 5.81 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 1/2 | 5.03 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 3/4 | 4.90 | 1.250 x 0.366 | 1.250 x 0.707 |

4545

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 2 1/4 | 14.30 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/8 | 14.06 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 1/2 | 13.80 | 0.625 x 0.185 | 0.625 x 0.354 |
| 2 3/4 | 13.20 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 12.87 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 12.54 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 8.75 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 11.83 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 11.46 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 11.07 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 10.25 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 9.37 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 1/4 | 8.43 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 1/2 | 7.43 | 1.250 x 0.366 | 1.250 x 0.707 |

5040

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 2 3/4 | 15.12 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 12.50 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 14.54 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 14.10 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 13.90 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/8 | 13.57 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 13.22 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 12.49 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 11.70 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 1/4 | 10.87 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 1/2 | 10.40 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 3/4 | 10.00 | 1.250 x 0.366 | 1.250 x 0.707 |
| 5 | 9.90 | 1.250 x 0.366 | 1.250 x 0.707 |

5050

| BORE | WT. (kg) | KEYSEAT | |
|-------|-------------|---------------|---------------|
| | | BUSH | SHAFT |
| 2 3/4 | 15.12 | 0.750 x 0.209 | 0.750 x 0.424 |
| 2 7/8 | 12.50 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 | 17.80 | 0.750 x 0.209 | 0.750 x 0.424 |
| 3 1/8 | 14.10 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/4 | 16.93 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 1/2 | 15.99 | 0.875 x 0.264 | 0.875 x 0.495 |
| 3 3/4 | 15.16 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 | 14.18 | 1.000 x 0.318 | 1.000 x 0.566 |
| 4 1/4 | 13.13 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 1/2 | 12.03 | 1.250 x 0.366 | 1.250 x 0.707 |
| 4 3/4 | 10.86 | 1.250 x 0.366 | 1.250 x 0.707 |
| 5 | 9.03 | 1.250 x 0.366 | 1.250 x 0.707 |

Bold italic type indicate bushes made of steel.

Keyways are parallel and in accordance with BS46:Part 1:1958, with the exception of those marked* which are shallower.

Depth of key measured at centre