

Closed Spelter Sockets



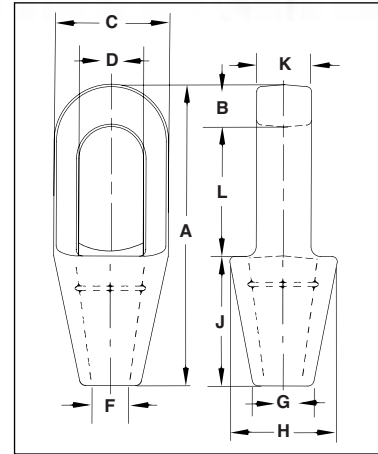
G-417 / S-417

Closed Grooved Sockets meet the performance requirements of Federal Specification RR-S-550E, Type A, except for those provisions required of the contractor. For additional information, see page 452..

- Forged Steel Sockets through 1-1/2", cast alloy steel 1-5/8" through 4".
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19, or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC, or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.

NOTICE: All cast steel sockets 1-5/8" and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.

Drawing illustrates one groove used on sockets 1/4" through 3/4". Sizes 7/8" through 1-1/2" use 2 grooves. Sizes 1-5/8" and larger use 3 grooves.



G-417 / S-417 Closed Spelter Sockets

| Rope Dia. | | Structural Strand Dia. (in.) | Ultimate Load (t) | Stock No. | | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | |
|-----------------|------------|------------------------------|-------------------|-------------|------------|--------------------|------------------|------|-------|------|------|------|-------|-------|------|-------|
| (in.) | (mm) | | | G-417 Galv. | S-417 S.C. | | A | B | C | D* | F | G | H | J | K | L |
| 1/4 | 6-7 | — | 4.50 | 1039897 | 1039904 | .50 | 4.50 | .50 | 1.50 | .88 | .38 | .69 | 1.56 | 2.25 | .50 | 1.75 |
| 5/16 - 3/8 | 8-10 | — | 12.0 | 1039913 | 1039922 | .75 | 4.94 | .62 | 1.69 | .97 | .50 | .81 | 1.69 | 2.25 | .69 | 2.06 |
| 7/16 - 1/2 | 11-13 | — | 20.0 | 1039931 | 1039940 | 1.50 | 5.50 | .69 | 2.00 | 1.16 | .56 | .94 | 2.00 | 2.50 | .88 | 2.31 |
| 9/16 - 5/8 | 14-16 | 1/2 | 30.8 | 1039959 | 1039968 | 2.50 | 6.31 | .81 | 2.63 | 1.41 | .69 | 1.12 | 2.38 | 3.00 | 1.00 | 2.50 |
| 3/4 | 18 | 9/16 - 5/8 | 43.5 | 1039977 | 1039986 | 4.25 | 7.62 | 1.06 | 3.00 | 1.66 | .88 | 1.25 | 2.75 | 3.50 | 1.25 | 3.06 |
| 7/8 | 20-22 | 11/16 - 3/4 | 65.3 | 1039995 | 1040000 | 7.25 | 8.75 | 1.25 | 3.63 | 1.94 | 1.00 | 1.50 | 3.25 | 4.00 | 1.50 | 3.50 |
| 1 | 24-26 | 13/16 - 7/8 | 81.6 | 1040019 | 1040028 | 10.50 | 9.91 | 1.41 | 4.13 | 2.30 | 1.13 | 1.75 | 3.75 | 4.50 | 1.75 | 4.00 |
| 1-1/8 | 28-30 | 15/16 - 1 | 100 | 1040037 | 1040046 | 14.25 | 11.00 | 1.50 | 4.50 | 2.56 | 1.25 | 2.00 | 4.13 | 5.00 | 2.00 | 4.50 |
| 1-1/4 - 1-3/8 | 32-35 | 1-1/16 - 1-1/8 | 136 | 1040055 | 1040064 | 19.75 | 12.12 | 1.63 | 5.00 | 2.81 | 1.50 | 2.25 | 4.75 | 5.50 | 2.25 | 5.00 |
| 1-1/2 | 38 | 1-3/16 - 1-1/4 | 170 | 1040073 | 1040082 | 29.20 | 13.94 | 1.94 | 5.38 | 3.19 | 1.63 | 2.75 | 5.25 | 6.00 | 2.50 | 6.00 |
| † 1-5/8 | † 40-42 | 1-5/16 - 1-3/8 | 188 | 1040091 | 1040108 | 36.00 | 15.13 | 2.13 | 5.75 | 3.25 | 1.75 | 3.00 | 5.50 | 6.50 | 2.75 | 6.50 |
| † 1-3/4 - 1-7/8 | † 44-48 | 1-7/16 - 1-5/8 | 268 | 1040117 | 1040126 | 57.25 | 17.25 | 2.19 | 6.75 | 3.75 | 2.00 | 3.13 | 6.38 | 7.50 | 3.00 | 7.56 |
| † 2 - 2-1/8 | † 50-54 | 1-11/16 - 1-3/4 | 309 | 1040135 | 1040144 | 79.00 | 19.87 | 2.44 | 7.63 | 4.38 | 2.25 | 3.75 | 7.38 | 8.50 | 3.25 | 8.81 |
| † 2-1/4 - 2-3/8 | † 56-60 | 1-13/16 - 1-7/8 | 360 | 1040153 | 1040162 | 105.00 | 21.50 | 2.75 | 8.50 | 5.00 | 2.63 | 4.13 | 8.25 | 9.00 | 3.63 | 9.75 |
| † 2-1/2 - 2-5/8 | † 64-67 | 1-15/16 - 2-1/8 | 424 | † 1041759 | 1041768 | 140.00 | 23.50 | 3.12 | 9.50 | 5.50 | 2.88 | 4.50 | 9.25 | 9.75 | 4.00 | 10.62 |
| † 2-3/4 - 2-7/8 | † 70-73 | 2-3/16 - 2-7/16 | 549 | 1041777 | 1041786 | 220.00 | 25.38 | 3.12 | 10.75 | 6.25 | 3.12 | 4.88 | 10.19 | 11.00 | 4.88 | 11.25 |
| † 3 - 3-1/8 | † 75-80 | 2-1/2 - 2-5/8 | 656 | 1041795 | 1041802 | 276.00 | 27.12 | 3.37 | 11.50 | 6.75 | 3.38 | 5.25 | 11.50 | 12.00 | 5.25 | 11.75 |
| † 3-1/4 - 3-3/8 | † 82-86 | 2-3/4 - 2-7/8 | 750 | 1041811 | 1041820 | 313.00 | 29.25 | 4.00 | 12.25 | 7.25 | 3.62 | 5.75 | 12.25 | 13.00 | 5.75 | 12.25 |
| † 3-1/2 - 3-5/8 | † 88-92 | 3 - 3-1/8 | 820 | 1041839 | 1041848 | 400.00 | 31.00 | 4.00 | 13.00 | 7.75 | 3.88 | 6.31 | 13.00 | 14.00 | 6.25 | 13.00 |
| † 3-3/4 - 4 | † 94 - 102 | — | 1005 | 1041857 | 1041866 | 542.00 | 33.25 | 4.25 | 14.25 | 8.50 | 4.25 | 7.25 | 14.25 | 15.00 | 7.00 | 14.00 |

* Diameter of pin must not exceed pin used on companion 416 socket. Reference adjacent page "D" dimension. † Cast Alloy Steel.