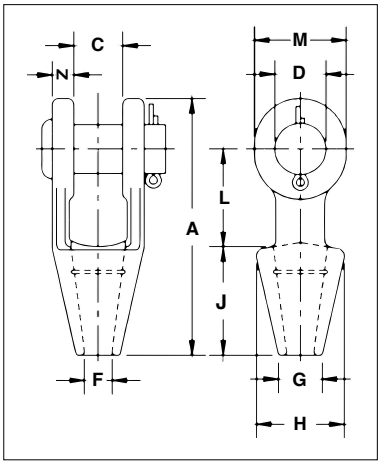
**G-416 / S-416**



- Forged steel sockets through 38mm, cast alloy steel 40mm through 102mm.
- 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.
- All cast steel sockets 40mm and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Available with bolt nut and cotter: G-416B.
- Open Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type A, except for those provisions required of the contractor.






## G-416 / S-416 Open Spelter Sockets

| Rope Diameter | | Structural Strand Dia. (mm) | Ultimate Load (t) | Assembly w/Round Pin Stock No. | | Assembly w/Bolt/Nut/ Cotter Stock No. | | Weight Each (kg) | Replacement Round Pin Kit Stock No. | | Replacement Bolt/Nut/cotter Kit Stock No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (in) | (mm) | | | G-416 Galv. | S-416 S.C. | G-416B Galv. | S-416B S.C. | | G-4080 | S-4080 | G-4082 |
| 5/16-3/8 | 8-10 | — | 12 | 1039637 | 1039646 | 1044818 | 1042009 | .59 | 1085723 | 1083142 | 2038971 |
| 7/16-1/2 | 11-13 | — | 20 | 1039655 | 1039664 | 1044827 | 1042018 | 1.02 | 1085724 | 1083160 | 2038972 |
| 9/16-5/8 | 14-16 | 12-13 | 27 | 1039673 | 1039682 | 1044836 | 1042027 | 1.63 | 1085725 | 1083188 | 2038975 |
| 3/4 | 18 | 14-16 | 43 | 1039691 | 1039708 | 1044845 | 1042036 | 2.64 | 1085726 | 1083204 | 2038976 |
| 7/8 | 20-22 | 18-19 | 55 | 1039717 | 1039726 | 1044854 | 1042045 | 4.38 | 1085727 | 1083222 | 2039086 |
| 1 | 24-26 | 20-22 | 78 | 1039735 | 1039744 | 1044863 | 1042054 | 7.03 | 1085728 | 1083240 | 2038980 |
| 1-1/8 | 28-30 | 24-26 | 92 | 1039753 | 1039762 | 1044872 | 1042063 | 9.75 | 1085729 | 1083268 | 2038982 |
| 1-1/4 - 1-3/8 | 32-35 | 28 | 136 | 1039771 | 1039780 | 1044881 | 1042065 | 14.1 | 1085730 | 1083286 | 2038984 |
| 1-1/2 | 38 | 30-32 | 170 | 1039799 | 1039806 | 1044890 | 1042074 | 21.4 | 1085731 | 1083302 | 2038987 |
| * 1-5/8 | * 40-42 | 33-35 | 188 | 1039815 | 1039824 | 1044906 | 1042083 | 24.9 | 1085756 | 1085765 | 2039087 |
| * 1-3/4 - 1-7/8 | * 44-48 | 36-40 | 268 | 1039833 | 1039842 | 1044915 | 1042092 | 37.2 | 1085774 | 1085783 | 2038989 |
| * 2 - 2-1/8 | * 50-54 | 42-45 | 291 | 1039851 | 1039860 | 1044924 | 1042101 | 59 | 1085792 | 1085809 | 2038990 |
| * 2-1/4 - 2-3/8 | * 56-60 | 46-48 | 360 | 1039879 | 1039888 | 1044933 | 1042110 | 76 | 1085818 | 1085827 | 2038992 |
| * 2-1/2 - 2-5/8 | * 64-67 | 50-54 | 424 | 1041633 | 1041642 | 1044942 | 1042120 | 114 | 1085736 | 1085845 | 2038993 |
| * 2-3/4 - 2-7/8 | * 70-73 | 56-62 | 511 | 1041651 | 1041660 | 1044951 | 1042129 | 143 | 1085854 | 1085863 | 2038994 |
| * 3 - 3-1/8 | * 75-80 | 64-67 | 563 | 1041679 | 1041688 | 1044960 | 1042138 | 172 | 1085872 | 1085881 | 2038995 |
| * 3-1/4 - 3-3/8 | * 82-86 | 70-73 | 722 | 1041697 | 1041704 | 1044969 | 1042147 | 197 | 1085890 | 1085907 | 2038996 |
| * 3-1/2 - 3-5/8 | * 88-92 | 76-80 | 779 | 1041713 | 1041722 | 1044978 | 1042156 | 255 | 1085916 | 1085925 | 2038997 |
| * 3-3/4 - 4 | * 94-102 | — | 875 | 1041731 | 1041740 | 1044997 | 1042165 | 355 | 1085934 | 1085943 | 2038998 |

| Rope Diameter | | Stock No. | Dimensions (mm) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (in) | (mm) | G-416 | A | C | Tolerance C ± | D | F | G | H | J | L | M | N |
| 5/16-3/8 | 8-10 | 1039637 | 123 | 20.6 | 1.52 | 20.6 | 12.7 | 20.6 | 42.9 | 57.0 | 44.5 | 38.1 | 11.2 |
| 7/16-1/2 | 11-13 | 1039655 | 141 | 25.4 | 1.52 | 25.4 | 14.2 | 23.9 | 47.8 | 63.5 | 51.0 | 47.8 | 12.7 |
| 9/16-5/8 | 14-16 | 1039673 | 171 | 31.8 | 1.52 | 30.2 | 17.5 | 28.7 | 57.0 | 76.0 | 63.5 | 57.0 | 14.2 |
| 3/4 | 18 | 1039691 | 202 | 38.1 | 1.52 | 35.1 | 20.6 | 31.8 | 66.5 | 89.0 | 76.0 | 66.5 | 15.7 |
| 7/8 | 20-22 | 1039717 | 235 | 44.5 | 1.52 | 41.4 | 23.9 | 38.1 | 82.5 | 102 | 89.0 | 79.5 | 20.3 |
| 1 | 24-26 | 1039735 | 268 | 51.0 | 1.52 | 51.0 | 28.7 | 44.5 | 95.5 | 114 | 102 | 95.5 | 22.4 |
| 1-1/8 | 28-30 | 1039753 | 300 | 57.0 | 3.05 | 57.0 | 31.8 | 51.0 | 105 | 127 | 117 | 105 | 25.4 |
| 1-1/4 - 1-3/8 | 32-35 | 1039771 | 335 | 63.5 | 3.05 | 63.5 | 38.1 | 57.0 | 121 | 140 | 127 | 121 | 28.7 |
| 1-1/2 | 38 | 1039799 | 384 | 76.0 | 3.05 | 70.0 | 41.4 | 70.0 | 133 | 152 | 152 | 137 | 30.2 |
| * 1-5/8 | * 40-42 | 1039815 | 413 | 76.0 | 3.05 | 76.0 | 44.5 | 76.0 | 140 | 165 | 165 | 146 | 33.3 |
| * 1-3/4 - 1-7/8 | * 44-48 | 1039833 | 464 | 89.0 | 3.05 | 89.0 | 51.0 | 79.5 | 162 | 191 | 178 | 165 | 39.6 |
| * 2 - 2-1/8 | * 50-54 | 1039851 | 546 | 102 | 3.05 | 95.5 | 57.0 | 95.5 | 187 | 216 | 229 | 178 | 46.0 |
| * 2-1/4 - 2-3/8 | * 56-60 | 1039879 | 597 | 114 | 3.05 | 108 | 63.5 | 102 | 210 | 229 | 254 | 197 | 54.0 |
| * 2-1/2 - 2-5/8 | * 64-67 | 1041633 | 648 | 127 | 3.05 | 121 | 73.0 | 114 | 235 | 248 | 274 | 216 | 60.5 |
| * 2-3/4 - 2-7/8 | * 70-73 | 1041651 | 692 | 133 | 6.35 | 127 | 79.0 | 124 | 267 | 279 | 279 | 229 | 73.0 |
| * 3 - 3-1/8 | * 75-80 | 1041679 | 737 | 146 | 6.35 | 133 | 86.0 | 133 | 282 | 305 | 287 | 241 | 76.0 |
| * 3-1/4 - 3-3/8 | * 82-86 | 1041697 | 784 | 159 | 6.35 | 140 | 92.0 | 146 | 302 | 330 | 300 | 254 | 79.0 |
| * 3-1/2 - 3-5/8 | * 88-92 | 1041713 | 845 | 171 | 6.35 | 152 | 98.5 | 165 | 314 | 356 | 318 | 274 | 82.5 |
| * 3-3/4 - 4 | * 94-102 | 1041731 | 921 | 191 | 6.35 | 178 | 108 | 184 | 346 | 381 | 343 | 318 | 89.0 |

*Cast alloy steel.

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