

# Crosby® Screw Pin Shackles

**Load Rated**

**Fatigue Rated**

**"QT"**  
QUENCHED & TEMPERED

**QUIC-CHECK**

**MAXTOUGH**

**TYPE APPROVED**

## SCREW PIN ANCHOR SHACKLES



**G-209 / S-209**

G-209 Screw pin anchor shackles meet the performance requirements of Federal Specification RR-C-271F Type IVA, Grade A, Class 2, except for those provisions required of the contractor. For additional information, see page 450.

- Capacities 1/3 thru 55 metric tons, grade 6.
- Forged - Quenched and Tempered, with alloy pins.
- Working Load Limit and grade "6" permanently shown on every shackle.
- Hot Dip galvanized or Self Colored.
- Fatigue rated.
- Shackles 25t and larger are RFID EQUIPPED.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Charges for proof testing and certification available when requested at the time of order.
- Approved for use at -40 degree C (-40 degree F) to 204 degree C (400 degree F).
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules (31 ft. lbs.) at -20 degree C (-4 degree F).
- Sizes 1/2t-25t meet the performance requirements of EN13889:2003.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval and certification in accordance with ABS 2006 Steel Vessel Rules 1-1-17.7, and ABS Guide for Certification of Cranes.
- Crosby has Type Approved to provide 2t through 25t 209 anchor shackles that meet the requirements of DNV Certification Notes 2.7-1 - Offshore Containers. These Crosby shackles (met by our current standard products) are: statistical proof test of 1% to 3%, based on lot size is required. Impact test of shackle bow and pin are provided. The tests are conducted by Crosby and we provide a 3.1 test certificate upon request, with test results.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



## SCREW PIN CHAIN SHACKLES



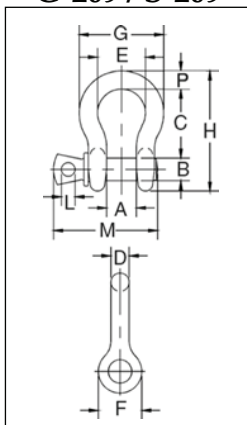
**G-210 / S-210**

G-210 Screw pin chain shackles meet the performance requirements of Federal Specification RR-C-271E, Type IVB, Grade A, Class 2, except for those provisions required of the contractor. For additional information, see page 450.

### G-209 / S-209 Screw Pin Anchor Shackles

| Nominal Size (in.) | Working Load Limit (t)* | Stock No. |         | Weight Each (kg) | Dimensions (mm) |      |      |      |      |      |      |      |      |      |      |      |      |  | Tolerance +/- |  |
|--------------------|-------------------------|-----------|---------|------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--|---------------|--|
|                    |                         | G-209     | S-209   |                  | A               | B    | C    | D    | E    | F    | G    | H    | L    | M    | P    | C    | A    |  |               |  |
| 3/16               | 1/3                     | 1018357   | -       | .03              | 9.65            | 6.35 | 22.4 | 4.85 | 15.2 | 14.2 | 24.9 | 37.3 | 4.06 | 28.4 | 4.85 | 1.50 | 1.50 |  |               |  |
| 1/4                | 1/2                     | 1018375   | 1018384 | .05              | 11.9            | 7.85 | 28.7 | 6.35 | 19.8 | 15.5 | 32.5 | 46.7 | 4.85 | 35.1 | 6.35 | 1.50 | 1.50 |  |               |  |
| 5/16               | 3/4                     | 1018393   | 1018400 | .09              | 13.5            | 9.65 | 31.0 | 7.85 | 21.3 | 19.1 | 37.3 | 53.0 | 5.60 | 42.2 | 7.85 | 3.30 | 1.50 |  |               |  |
| 3/8                | 1                       | 1018419   | 1018428 | .14              | 16.8            | 11.2 | 36.6 | 9.65 | 26.2 | 23.1 | 45.2 | 63.0 | 6.35 | 51.5 | 9.65 | 3.30 | 1.50 |  |               |  |
| 7/16               | 1-1/2                   | 1018437   | 1018446 | .17              | 19.1            | 12.7 | 42.9 | 11.2 | 29.5 | 26.9 | 51.5 | 74.0 | 7.85 | 60.5 | 11.2 | 3.30 | 1.50 |  |               |  |
| 1/2                | 2                       | 1018455   | 1018464 | .33              | 20.6            | 16.0 | 47.8 | 12.7 | 33.3 | 30.2 | 58.5 | 83.5 | 9.65 | 68.5 | 12.7 | 3.30 | 1.50 |  |               |  |
| 5/8                | 3-1/4                   | 1018473   | 1018482 | .62              | 26.9            | 19.1 | 60.5 | 16.0 | 42.9 | 38.1 | 74.5 | 106  | 11.2 | 85.0 | 17.5 | 6.35 | 1.50 |  |               |  |
| 3/4                | 4-3/4                   | 1018491   | 1018507 | 1.07             | 31.8            | 22.4 | 71.5 | 19.1 | 51.0 | 46.0 | 89.0 | 126  | 12.7 | 101  | 20.6 | 6.35 | 1.50 |  |               |  |
| 7/8                | 6-1/2                   | 1018516   | 1018525 | 1.64             | 36.6            | 25.4 | 84.0 | 22.4 | 58.0 | 53.0 | 102  | 148  | 12.7 | 114  | 24.6 | 6.35 | 1.50 |  |               |  |
| 1                  | 8-1/2                   | 1018534   | 1018543 | 2.28             | 42.9            | 28.7 | 95.5 | 25.4 | 68.5 | 60.5 | 119  | 167  | 14.2 | 129  | 26.9 | 6.35 | 1.50 |  |               |  |
| 1-1/8              | 9-1/2                   | 1018552   | 1018561 | 3.36             | 46.0            | 31.8 | 108  | 29.5 | 74.0 | 68.5 | 131  | 190  | 16.0 | 142  | 31.8 | 6.35 | 1.50 |  |               |  |
| 1-1/4              | 12                      | 1018570   | 1018589 | 4.31             | 51.5            | 35.1 | 119  | 32.8 | 82.5 | 76.0 | 146  | 210  | 17.5 | 156  | 35.1 | 6.35 | 1.50 |  |               |  |
| 1-3/8              | 13-1/2                  | 1018598   | 1018605 | 6.14             | 57.0            | 38.1 | 133  | 36.1 | 92.0 | 84.0 | 162  | 233  | 19.1 | 174  | 38.1 | 6.35 | 3.30 |  |               |  |
| 1-1/2              | 17                      | 1018614   | 1018623 | 7.80             | 60.5            | 41.4 | 146  | 39.1 | 98.5 | 92.0 | 175  | 254  | 20.6 | 187  | 41.1 | 6.35 | 3.30 |  |               |  |
| 1-3/4              | 25                      | 1018632   | 1018641 | 12.6             | 73.0            | 51.0 | 178  | 46.7 | 127  | 106  | 225  | 313  | 25.4 | 231  | 57.0 | 6.35 | 3.30 |  |               |  |
| 2                  | 35                      | 1018650   | 1018669 | 20.4             | 82.5            | 57.0 | 197  | 53.0 | 146  | 122  | 253  | 348  | 31.0 | 263  | 61.0 | 6.35 | 3.30 |  |               |  |
| 2-1/2              | 55                      | 1018678   | 1018687 | 38.9             | 105             | 70.0 | 267  | 69.0 | 184  | 145  | 327  | 453  | 35.1 | 330  | 79.5 | 6.35 | 6.35 |  |               |  |

**G-209 / S-209**



### G-210 / S-210 Screw Pin Chain Shackles

| Nominal Size (in.) | Working Load Limit (t)* | Stock No. |         | Weight Each (kg) | Dimensions (mm) |      |      |      |      |      |      |      |      |      |      |      |  |  | Tolerance +/- |  |
|--------------------|-------------------------|-----------|---------|------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|--|--|---------------|--|
|                    |                         | G-210     | S-210   |                  | A               | B    | C    | D    | E    | F    | G    | K    | L    | M    | G    | A    |  |  |               |  |
| 1/4                | 1/2                     | 1019150   | 1019169 | .05              | 11.9            | 7.85 | 6.35 | 6.35 | 24.6 | 15.5 | 22.4 | 40.4 | 4.85 | 35.1 | 1.50 | 1.50 |  |  |               |  |
| 5/16               | 3/4                     | 1019178   | 1019187 | .08              | 13.5            | 9.65 | 7.85 | 7.85 | 29.5 | 19.1 | 26.2 | 48.5 | 5.60 | 42.2 | 1.50 | 1.50 |  |  |               |  |
| 3/8                | 1                       | 1019196   | 1019203 | .13              | 16.8            | 11.2 | 9.65 | 9.65 | 35.8 | 23.1 | 31.8 | 58.5 | 6.35 | 51.5 | 3.30 | 1.50 |  |  |               |  |
| 7/16               | 1-1/2                   | 1019212   | 1019221 | .20              | 19.1            | 12.7 | 11.2 | 11.2 | 41.4 | 26.9 | 36.6 | 67.5 | 7.85 | 60.5 | 3.30 | 1.50 |  |  |               |  |
| 1/2                | 2                       | 1019230   | 1019249 | .27              | 20.6            | 16.0 | 12.7 | 12.7 | 46.0 | 30.2 | 41.4 | 77.0 | 9.65 | 68.5 | 3.30 | 1.50 |  |  |               |  |
| 5/8                | 3-1/4                   | 1019258   | 1019267 | .57              | 26.9            | 19.1 | 15.7 | 16.0 | 58.5 | 38.1 | 51.0 | 95.5 | 11.2 | 85.0 | 3.30 | 1.50 |  |  |               |  |
| 3/4                | 4-3/4                   | 1019276   | 1019285 | 1.20             | 31.8            | 22.4 | 20.6 | 19.1 | 70.0 | 46.0 | 60.5 | 115  | 12.7 | 101  | 6.35 | 1.50 |  |  |               |  |
| 7/8                | 6-1/2                   | 1019294   | 1019301 | 1.43             | 36.6            | 25.4 | 24.6 | 22.4 | 81.0 | 53.0 | 71.5 | 135  | 12.7 | 114  | 6.35 | 1.50 |  |  |               |  |
| 1                  | 8-1/2                   | 1019310   | 1019329 | 2.15             | 42.9            | 28.7 | 25.4 | 25.4 | 93.5 | 60.5 | 81.0 | 151  | 14.2 | 129  | 6.35 | 1.50 |  |  |               |  |
| 1-1/8              | 9-1/2                   | 1019338   | 1019347 | 3.06             | 46.0            | 31.8 | 31.8 | 28.7 | 103  | 68.5 | 91.0 | 172  | 16.0 | 142  | 6.35 | 1.50 |  |  |               |  |
| 1-1/4              | 12                      | 1019356   | 1019365 | 4.11             | 51.5            | 35.1 | 35.1 | 31.8 | 115  | 76.0 | 100  | 191  | 17.5 | 156  | 6.35 | 3.30 |  |  |               |  |
| 1-3/8              | 13-1/2                  | 1019374   | 1019383 | 5.28             | 57.0            | 38.1 | 38.1 | 35.1 | 127  | 84.0 | 111  | 210  | 19.1 | 174  | 6.35 | 3.30 |  |  |               |  |
| 1-1/2              | 17                      | 1019392   | 1019409 | 7.23             | 60.5            | 41.4 | 41.1 | 38.1 | 137  | 92.0 | 122  | 230  | 20.6 | 187  | 6.35 | 3.30 |  |  |               |  |
| 1-3/4              | 25                      | 1019418   | 1019427 | 12.1             | 73.0            | 51.0 | 54.0 | 44.5 | 162  | 106  | 146  | 279  | 25.4 | 231  | 6.35 | 3.30 |  |  |               |  |
| 2                  | 35                      | 1019436   | 1019445 | 19.2             | 82.5            | 57.0 | 60.0 | 51.0 | 184  | 122  | 172  | 312  | 31.0 | 263  | 6.35 | 3.30 |  |  |               |  |
| 2-1/2              | 55                      | 1019454   | 1019463 | 32.5             | 105             | 70.0 | 66.5 | 66.5 | 238  | 145  | 203  | 377  | 35.1 | 330  | 6.35 | 6.35 |  |  |               |  |

\* NOTE: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit. For Working Load Limit reduction due to side loading applications, see page 80.

Shackles