

Crosby® Wide Body Shackles

Load Rated

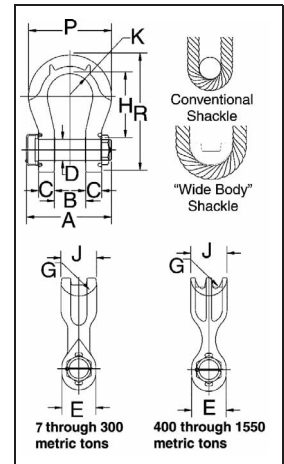


G-2160/S-2160 "WIDE BODY" SHACKLES



Patented

- All sizes Quenched and Tempered for maximum strength.
- Forged alloy steel from 7 through 300 metric tons.
- Cast alloy steel from 400 through 1550 metric tons.
- Sizes 300 metric tons and smaller are proof tested to 2 times the Working Load Limit.
- Sizes 400 metric tons and larger are tested to 1.33 times Working Load Limit.
- All ratings are in metric tons, embossed on side of bow.
- G-2160, (7-55t), are Hot Dip Galvanized and pins are painted red.
- G-2160, (75t and larger), bows are furnished Dimetcoated, and pins are Dimetcoated, then painted red.
- S-2160 bows and pins are painted red.
- Shackles, 30t and larger, are **RFID EQUIPPED**.
- Greatly improves life of wire rope slings.
- Can be used to connect HIGH STRENGTH Synthetic Web Slings, HIGH STRENGTH Synthetic Round Slings or Wire Rope Slings.
- Increase in shackle bow radius provides minimum 58% gain in sling bearing surface and eliminates need for a thimble.
- Increases usable sling strength minimum of 15%.
- Pin is non-rotating, with weld-on handles for easier use (75t and larger).
- All 2160 shackles are individually proof tested and magnetic particle inspected. Crosby certification available at time of order.
- Crosby products meet or exceed all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Shackles requiring ABS, Lloyds and other certifications are available upon special request and must be specified at time of order.
- Shackles 18t and larger have DNV Type Approval to Rules for Certification of Lifting Appliances, and are produced in accordance with DNV MSA requirements. Databook is provided that includes required documents.
 - Serialization / Identification
 - Material Testing (Physical / Chemical / Charpy)
 - Proof Testing



Shackles

| Working Load Limit (t)* | G-2160 Stock No. | S-2160 Stock No. | Weight Each (lbs.) | Dimensions (in.) | | | | | | | | | | |
|-------------------------|------------------|------------------|--------------------|------------------|-----------|-------|-----------|-------|-------|-------|-------|-------|-------|-------|
| | | | | A | B +/- .25 | C | D +/- .02 | E | G | H | J | K | P | R |
| 7 | 1021256 | 1021548 | 4.0 | 4.14 | 1.25 | .69 | .88 | 1.82 | 1.25 | 3.56 | 1.60 | 1.25 | 4.10 | 5.87 |
| 12.5 | 1021265 | 1021557 | 10 | 5.38 | 1.69 | .92 | 1.13 | 2.38 | 1.37 | 4.63 | 2.13 | 1.63 | 5.51 | 7.63 |
| 18 | 1021274 | 1021566 | 15 | 6.69 | 2.03 | 1.16 | 1.38 | 2.69 | 1.50 | 5.81 | 2.50 | 2.00 | 6.76 | 9.38 |
| 30 | 1021283 | 1021575 | 25 | 7.69 | 2.37 | 1.38 | 1.63 | 3.50 | 1.75 | 6.94 | 3.13 | 2.50 | 8.50 | 11.38 |
| 40 | 1021285 | 1021584 | 35 | 9.28 | 2.88 | 1.69 | 2.00 | 4.00 | 2.31 | 8.06 | 3.75 | 3.00 | 10.62 | 13.62 |
| 55 | 1021287 | 1021593 | 71 | 10.36 | 3.25 | 2.00 | 2.25 | 4.63 | 2.63 | 9.36 | 4.50 | 3.50 | 12.26 | 15.63 |
| † 75 | 1021290 | - | 100 | 14.37 | 4.13 | 2.12 | 2.75 | 5.00 | 2.50 | 11.53 | 4.75 | 3.64 | 12.28 | 18.41 |
| † 125 | 1021307 | - | 178 | 16.51 | 5.12 | 2.56 | 3.15 | 5.71 | 3.15 | 14.36 | 5.91 | 4.33 | 14.96 | 22.65 |
| † 200 | 1021316 | - | 500 | 20.67 | 5.91 | 3.35 | 4.12 | 7.28 | 4.33 | 18.90 | 8.07 | 5.41 | 19.49 | 29.82 |
| † 300 | 1021325 | - | 835 | 24.20 | 7.38 | 4.00 | 5.25 | 9.25 | 5.38 | 23.63 | 10.38 | 6.31 | 23.38 | 37.26 |
| 400 | 1021334 | - | 1103 | 30.27 | 8.66 | 5.16 | 6.30 | 11.81 | 6.30 | 22.64 | 12.60 | 7.28 | 27.17 | 38.78 |
| 500 | 1021343 | - | 1433 | 33.35 | 9.84 | 5.73 | 7.09 | 13.39 | 6.69 | 24.81 | 13.39 | 8.86 | 31.10 | 42.72 |
| 600 | 1021352 | - | 1897 | 36.02 | 10.83 | 6.23 | 7.87 | 15.50 | 7.28 | 27.56 | 14.57 | 9.74 | 34.06 | 47.24 |
| 700 | 1021361 | - | 2585 | 38.91 | 11.81 | 6.59 | 8.46 | 14.80 | 7.87 | 28.94 | 15.75 | 10.63 | 37.01 | 50.18 |
| 800 | 1021254 | - | 3075 | 41.66 | 12.80 | 7.30 | 9.06 | 16.54 | 8.27 | 29.53 | 16.54 | 10.92 | 38.39 | 52.09 |
| 900 | 1021389 | - | 3720 | 43.73 | 13.78 | 7.78 | 9.84 | 16.93 | 8.66 | 29.82 | 17.32 | 11.52 | 40.35 | 54.04 |
| 1000 | 1021370 | - | 4130 | 45.98 | 14.96 | 8.33 | 10.63 | 17.72 | 9.06 | 29.92 | 18.11 | 12.11 | 42.32 | 55.31 |
| 1250 | 1021272 | - | 6310 | 49.86 | 16.93 | 9.15 | 11.81 | 21.00 | 10.43 | 36.61 | 20.87 | 12.70 | 46.26 | 65.35 |
| 1550 | 1021281 | - | 8155 | 54.89 | 18.31 | 10.58 | 12.60 | 23.82 | 15.92 | 42.32 | 22.82 | 13.29 | 49.41 | 73.43 |

* 7t-300t Proof Load is 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.

† 400t-1550t Proof Load is 1.33 times the Working Load Limit. Ultimate Load is 4.5 times the Working Load Limit.

† Available in Forged and Cast Alloy Steel.

For Working Load Limit reduction due to side loading applications, see page 74.

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