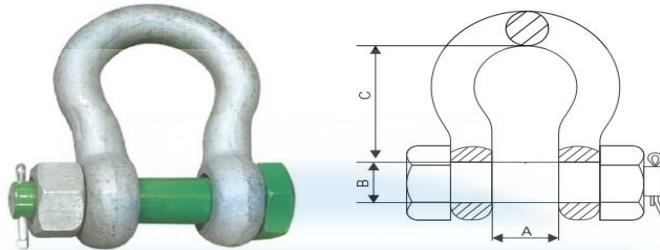




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## Bow Shackles (Alloy Bolt Type)



TM

| Product                     | Description  | Technical Detail     |                    |                   |      |      |         |
|-----------------------------|--|----------------------|--------------------|-------------------|------|------|---------|
|                             |  | Nominal Shackle Size | Working Load Limit | Dimensions (Inch) |      |      | Weight  |
| Alloy Bolt Type Bow Shackle | Alloy Bolt type Bow Shackles have a Crown type Bow with head bolt and an alloy type nut with cotter pin. Bolt type shackles can be used in any application that uses a round pin or a screw pin. These types of shackles remain secure even when the shackle is subjected to rotation or torque. | (Inch)               | (Ton)              | A                 | B    | C    | (kg/pc) |
|                             |  | 3/16                 | 1/3                | 0.38              | 0.25 | 0.88 | 0.02    |
|                             |  | 1/4                  | 1/2                | 0.47              | 0.31 | 1.13 | 0.05    |
|                             |  | 5/16                 | 3/4                | 0.53              | 0.38 | 1.22 | 0.09    |
|                             |  | 3/8                  | 1                  | 0.66              | 0.44 | 1.44 | 0.14    |
|                             |  | 7/16                 | 1.1/2              | 0.75              | 0.5  | 1.69 | 0.17    |
|                             |  | 1/2                  | 2                  | 0.81              | 0.63 | 1.88 | 0.29    |
|                             |  | 5/8                  | 3.1/4              | 1.06              | 0.75 | 2.38 | 0.63    |
|                             |  | 3/4                  | 4.3/4              | 1.25              | 0.88 | 2.81 | 1.02    |
|                             |  | 7/8                  | 6.1/2              | 1.44              | 1    | 3.31 | 1.533   |
|                             |  | 1                    | 8.1/2              | 1.69              | 1.13 | 3.75 | 2.41    |
|                             |  | 1.1/8                | 9.1/2              | 1.81              | 1.25 | 4.25 | 3.09    |
|                             |  | 1.1/4                | 12                 | 2.03              | 1.38 | 4.69 | 4.31    |
|                             |  | 1.3/8                | 13.1/2             | 2.25              | 1.5  | 5.25 | 6.01    |
|                             |  | 1.1/2                | 17                 | 2.38              | 1.63 | 5.75 | 7.8     |
|                             |  | 1.3/4                | 25                 | 2.88              | 2    | 7    | 13.78   |
|                             |  | 2                    | 35                 | 3.25              | 2.25 | 7.75 | 20.41   |
| 2.1/2                       | 55   | 4.13                 | 2.75               | 10.5              | 38.9 |      |         |
| 3                           | 85   | 5                    | 3.25               | 13                | 72   |      |         |
| 3.1/2                       | 120  | 5.25                 | 3.76               | 14.63             | 120  |      |         |
| 4                           | 150  | 5.5                  | 4.26               | 14.68             | 153  |      |         |

### Features:

- WLL Capacity - 1/3 Ton to 150 Ton.
- Working Load Limit permanently.
- Grade 80 Forged - Quenched and Tempered, with alloy pins.
- Minimum breaking load is 4 times of Working Load Limit.
- Maximum Proof Working Load is 2.2 times the Working Load Limit.
- Furnished with Round Head Bolts and Cotter Pin.
- Shackles can finished be proof tested with certificates, Charges for proof testing & certification available when requested at the time of order.

### Applications:

- Alloy Bolt type shackles are practical in many rigging applications where the anchor bolt is expected to experience some rotation. The tightening nut and the cotter pin eliminate the need to tighten the pin prior to every lift or movement of a load, so bolt type shackles are excellent choices for semi-permanent or long-term installations, or where the load may slide on the shackle pin causing it to rotate.

