



## Green Pin Super<sup>®</sup> Bow Shackle BN

Grade 8 bow shackle with safety bolt

### Highlights

- ✓ Easier handling due to smaller size and weight (with equal WLL)
- ✓ Double safety (cotter pin & safety bolt)
- ✓ Galvanization assures long-term durability
- ✓ Conforms to wide range of certifications (e.g. DNV)
- ✓ Superior stock availability of 99%

### Description

The Green Pin Super<sup>®</sup> Bow Shackle BN is a grade 8 bow shackle with a safety bolt. Handling of the Green Pin Super<sup>®</sup> Bow Shackle BN is easier due to the smaller size and weight (with an equal working load limit when compared to non-Super products). The shackle also offers a double safety (split pin and safety bolt) which prevents accidental unscrewing of the pin. Furthermore, the long-term durability of the shackle is assured as a result of its galvanization. Wear and tear of the counter components such as wire rope is also minimized as the chamber in the shackle eye hides the screw thread. The Green Pin Super<sup>®</sup> Bow Shackle BN is available in a range with a working load limit from 3.3 up to 175t (note: sizes 150t and 175t have a round headed bolt).

### Product details

|                      |  |
|----------------------|--|
| <b>Productcode</b>   | G-5263   |
| <b>Material</b>      | bow and pin alloy steel, Grade 8, quenched and tempered  |
| <b>Safety factor</b> | MBL equals 5 x WLL   |
| <b>Finish</b>        | hot dipped galvanized (150 ton and upward are painted)   |
| <b>Standard</b>      | ASME B30.26 and meets performance requirements of US Fed. Spec. RR-C-271 Type IVA Class 3, Grade B |
| <b>Note</b>          | Shackles with WLL 150 t and 175 t have a round headed bolt   |



## Green Pin Super® Bow Shackle BN

### Technical specifications in millimeters

| Article code | Working load limit | Weight shackle pin | A diameter bow | B diameter pin | C diameter eye | D width eye | E width inside | F length inside | G width bow | H length | I length bolt | J width | K thickness nut | Net weight (kg) |
|--------------|--------------------|--------------------|----------------|----------------|----------------|-------------|----------------|-----------------|-------------|----------|---------------|---------|-----------------|-----------------|
| SUGHMB13     | 3,3                | 0,18               | 13,5           | 16             | 34             | 13          | 22             | 51              | 32          | 90       | 80            | 59      | 13              | 0.40            |
| SUGHMB16     | 5                  | 0,3                | 16             | 19             | 40             | 16          | 27             | 64              | 43          | 110      | 98            | 75      | 17              | 0.73            |
| SUGHMB19     | 7                  | 0,45               | 19             | 22             | 46             | 19          | 31             | 76              | 51          | 129      | 115           | 89      | 19              | 1.19            |
| SUGHMB22     | 9,5                | 0,73               | 22             | 25             | 52             | 22          | 36             | 83              | 58          | 144      | 130           | 102     | 22              | 1.73            |
| SUGHMB25     | 12,5               | 1,08               | 25             | 28             | 59             | 25          | 43             | 95              | 68          | 164      | 150           | 118     | 25              | 2.56            |
| SUGHMB28     | 15                 | 1,41               | 28             | 32             | 67             | 28          | 47             | 108             | 75          | 186      | 166           | 131     | 27              | 3.60            |
| SUGHMB32     | 18                 | 1,79               | 32             | 35             | 73             | 32          | 51             | 115             | 83          | 201      | 184           | 147     | 30              | 4.95            |
| SUGHMB35     | 21                 | 2,3                | 35             | 38             | 79             | 35          | 57             | 133             | 92          | 227      | 197           | 162     | 33              | 6.62            |
| SUGHMB38     | 30                 | 2,76               | 38             | 42             | 88             | 38          | 60             | 146             | 99          | 249      | 202           | 175     | 19              | 8.11            |
| SUGHMB45     | 40                 | 4,92               | 45             | 50             | 104            | 45          | 74             | 178             | 126         | 300      | 243           | 216     | 23              | 14.8            |
| SUGHMB57     | 55                 | 6,95               | 57             | 57             | 119            | 57          | 83             | 197             | 138         | 342      | 283           | 252     | 26              | 23.3            |
| SUGHMB70     | 85                 | 12,2               | 70             | 70             | 145            | 70          | 105            | 260             | 180         | 438      | 339           | 320     | 32              | 45.1            |



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### Technical specifications in millimeters

| Article code      | working load limit | Weight shackle pin | A diameter bow | B diameter pin | C diameter eye | D width eye | E width inside | F length inside | G width bow | H length | I length bolt | J width | K thickness nut | Net weight (kg) |
|-------------------|--------------------|--------------------|----------------|----------------|----------------|-------------|----------------|-----------------|-------------|----------|---------------|---------|-----------------|-----------------|
| <b>SUGHMB83</b>   | 120                | 21,1               | 83             | 83             | 164            | 83          | 127            | 329             | 190         | 537      | 397           | 356     | 39              | 72              |
| <b>HDSUHM0150</b> | 150                | 28,12              | 95             | 95             | 204            | 95          | 147            | 400             | 238         | 644      | 453           | 428     | 50              | 116             |
| <b>HDSUHM0175</b> | 175                | 39,15              | 105            | 108            | 235            | 105         | 169            | 410             | 275         | 686      | 496           | 485     | 50              | 156             |

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## Green Pin Super® Bow Shackle BN

### Technical specifications in inches

| Article code | Weight shackles pin | A diameter bow (inch) | B diameter pin (inch) | C diameter eye (inch) | D width eye (inch) | E width inside (inch) | F length inside (inch) | G width bow (inch) | H length (inch) | I length bolt (inch) | J width (inch) | K thickness nut (inch) | Net weight (LBS) |
|--------------|---------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|------------------------|--------------------|-----------------|----------------------|----------------|------------------------|------------------|
| SUGHMB13     | 0,4                 | 1/2                   | 5/8                   | 1 11/32               | 1/2                | 7/8                   | 2                      | 1 1/4              | 3 17/32         | 3 5/32               | 2 5/16         | 1/2                    | 0.89             |
| SUGHMB16     | 0,65                | 5/8                   | 3/4                   | 1 9/16                | 5/8                | 1 1/16                | 2 17/32                | 1 11/16            | 4 11/32         | 3 27/32              | 2 15/16        | 21/32                  | 1.60             |
| SUGHMB19     | 1                   | 3/4                   | 7/8                   | 1 13/16               | 3/4                | 1 7/32                | 3                      | 2                  | 5 3/32          | 4 17/32              | 3 1/2          | 3/4                    | 2.62             |
| SUGHMB22     | 1,61                | 7/8                   | 1                     | 2 1/16                | 7/8                | 1 13/32               | 3 9/32                 | 2 9/32             | 5 21/32         | 5 1/8                | 4 1/32         | 7/8                    | 3.82             |
| SUGHMB25     | 2,38                | 1                     | 1 1/8                 | 2 5/16                | 31/32              | 1 11/16               | 3 3/4                  | 2 11/16            | 6 15/32         | 5 29/32              | 4 21/32        | 31/32                  | 5.64             |
| SUGHMB28     | 3,21                | 1 1/8                 | 1 1/4                 | 2 5/8                 | 1 3/32             | 1 27/32               | 4 1/4                  | 2 15/16            | 7 5/16          | 6 17/32              | 5 5/32         | 1 1/16                 | 7.95             |
| SUGHMB32     | 3,94                | 1 1/4                 | 1 3/8                 | 2 7/8                 | 1 1/4              | 2                     | 4 17/32                | 3 9/32             | 7 29/32         | 7 1/4                | 5 25/32        | 1 3/16                 | 10.9             |
| SUGHMB35     | 5,07                | 1 3/8                 | 1 1/2                 | 3 1/8                 | 1 3/8              | 2 1/4                 | 5 1/4                  | 3 5/8              | 8 15/16         | 7 3/4                | 6 3/8          | 1 5/16                 | 14.6             |
| SUGHMB38     | 6,09                | 1 1/2                 | 1 5/8                 | 3 15/32               | 1 1/2              | 2 3/8                 | 5 3/4                  | 3 29/32            | 9 13/16         | 7 15/16              | 6 7/8          | 3/4                    | 17.9             |
| SUGHMB45     | 10,86               | 1 3/4                 | 2                     | 4 3/32                | 1 25/32            | 2 29/32               | 7                      | 4 31/32            | 11 13/16        | 9 9/16               | 8 1/2          | 29/32                  | 32.6             |
| SUGHMB57     | 15,33               | 2                     | 2 1/4                 | 4 11/16               | 2 1/4              | 3 9/32                | 7 3/4                  | 5 7/16             | 13 15/32        | 11 5/32              | 9 29/32        | 1 1/32                 | 51.3             |
| SUGHMB70     | 26,9                | 2 1/2                 | 2 3/4                 | 5 23/32               | 2 3/4              | 4 1/8                 | 10 1/4                 | 7 3/32             | 17 1/4          | 13 11/32             | 12 19/32       | 1 1/4                  | 100              |



## Green Pin Super<sup>®</sup> Bow Shackle BN

### Technical specifications in inches

| Article code | Weight shackle pin | A diameter bow (inch) | B diameter pin (inch) | C diameter eye (inch) | D width eye (inch) | E width inside (inch) | F length inside (inch) | G width bow (inch) | H length (inch) | I length bolt (inch) | J width (inch) | K thickness nut (inch) | Net weight (LBS) |
|--------------|--------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|------------------------|--------------------|-----------------|----------------------|----------------|------------------------|------------------|
| SUGHMB83     | 46,52              | 3                     | 3 1/4                 | 6 15/32               | 3 9/32             | 5                     | 13                     | 7 15/32            | 21 5/32         | 15 5/8               | 14 1/32        | 1 17/32                | 159              |
| HDSUHM0150   | 61,99              | 3 3/4                 | 3 3/4                 | 8 1/32                | 3 3/4              | 5 25/32               | 15 3/4                 | 9 3/8              | 25 11/32        | 17 27/32             | 16 27/32       | 1 31/32                | 256              |
| HDSUHM0175   | 86,31              | 4 1/8                 | 4 1/4                 | 9 1/4                 | 4 1/8              | 6 21/32               | 16 5/32                | 10 13/16           | 27              | 19 17/32             | 19 3/32        | 1 31/32                | 344              |

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## Green Pin Super<sup>®</sup> Bow Shackle BN

### Technical drawing

