

Midland Super Strong Anchor Shackles



Screw Pin

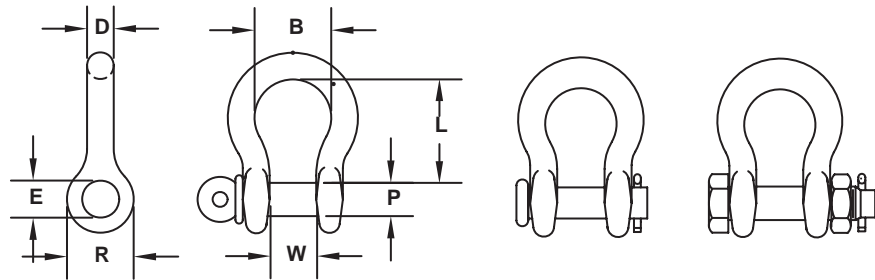


Round Pin



Bolt & Nut

- All shackles meet or exceed Federal Specification RRC-271D
- Working Load Limit and traceability codes shown as permanent marking on body and pin
- Available in painted, galvanized and self-colored finishes (Dacromate coating upon special request only)
- All shackles have alloy quenched and tempered pins
- Shackles made from technically advanced microalloy material
- Load break tests consistently show microalloy outperforms quenched and tempered carbon material
- Shock load testing of assemblies at -30°F consistently demonstrate microalloy outperforms quenched and tempered carbon material*
- Shackles exhibit extreme deformation before failure*
- Special testing and certification including magnetic particle, proof load, and fatigue test available upon request at time of order
- Special products engineering available to fit your special lifting, tie down, and pulling needs
- Design factor 6:1 (Round pin shackles design factor 5:1)



| Size D | Working Load Limit | Product Code (Screw Pin) | Product Code (Round Pin) | Product Code (Bolt & Nut) | P | E | W | R | L | B min | Weight |
|-----------------|--------------------|--------------------------|--------------------------|---------------------------|-------|-------|-------|-------|-------|-------|--------|
| Imperial | | | | | | | | | | | |
| in. | Ton | | | | in. | in. | in. | in. | in. | in. | lb. |
| 3/16 | 1/2 | M645 | M345 | - | 0.250 | 0.307 | 0.375 | 0.625 | 0.875 | 0.562 | 0.06 |
| 1/4 | 3/4 | M646 | M346 | M846 | 0.312 | 0.401 | 0.469 | 0.875 | 1.125 | 0.750 | 0.12 |
| 5/16 | 1 | M647 | M347 | M847 | 0.375 | 0.463 | 0.531 | 1.000 | 1.250 | 0.812 | 0.20 |
| 3/8 | 1-1/2 | M648 | M348 | M848 | 0.438 | 0.531 | 0.656 | 1.125 | 1.437 | 0.937 | 0.30 |
| 7/16 | 2 | M649 | M349 | M849 | 0.500 | 0.593 | 0.750 | 1.250 | 1.689 | 1.062 | 0.50 |
| 1/2 | 3 | M650 | M350 | M850 | 0.625 | 0.718 | 0.813 | 1.375 | 1.875 | 1.187 | 0.75 |
| 5/8 | 4-1/2 | M651 | M351 | M851 | 0.750 | 0.843 | 1.063 | 1.875 | 2.375 | 1.500 | 1.30 |
| 3/4 | 6-1/2 | M652 | M352 | M852 | 0.875 | 0.968 | 1.250 | 2.125 | 2.813 | 1.750 | 2.30 |
| 7/8 | 8-1/2 | M653 | M353 | M853 | 1.000 | 1.109 | 1.438 | 2.375 | 3.312 | 2.000 | 3.50 |
| 1 | 10 | M654 | M354 | M854 | 1.125 | 1.234 | 1.688 | 2.625 | 3.750 | 2.312 | 5.00 |
| 1-1/8 | 12 | M655 | M355 | M855 | 1.250 | 1.375 | 1.812 | 2.875 | 4.250 | 2.625 | 7.00 |
| 1-1/4 | 14 | M656 | M356 | M856 | 1.375 | 1.531 | 2.031 | 3.250 | 4.688 | 2.875 | 9.50 |
| 1-3/8 | 17 | M666 | M366 | M866 | 1.500 | 1.656 | 2.250 | 3.500 | 5.250 | 3.250 | 12.50 |
| 1-1/2 | 20 | M657 | M357 | M857 | 1.625 | 1.781 | 2.375 | 3.750 | 5.750 | 3.375 | 17.20 |
| 1-5/8 | 24 | M685 | M385 | M885 | 1.750 | 1.906 | 2.625 | 4.125 | 6.250 | 4.000 | 23.50 |
| 1-3/4 | 30 | M677 | M377 | M877 | 2.000 | 2.156 | 2.875 | 4.500 | 7.000 | 4.500 | 27.70 |
| 2 | 35 | M658 | M358 | M858 | 2.250 | 2.406 | 3.250 | 5.250 | 7.750 | 5.250 | 39.00 |