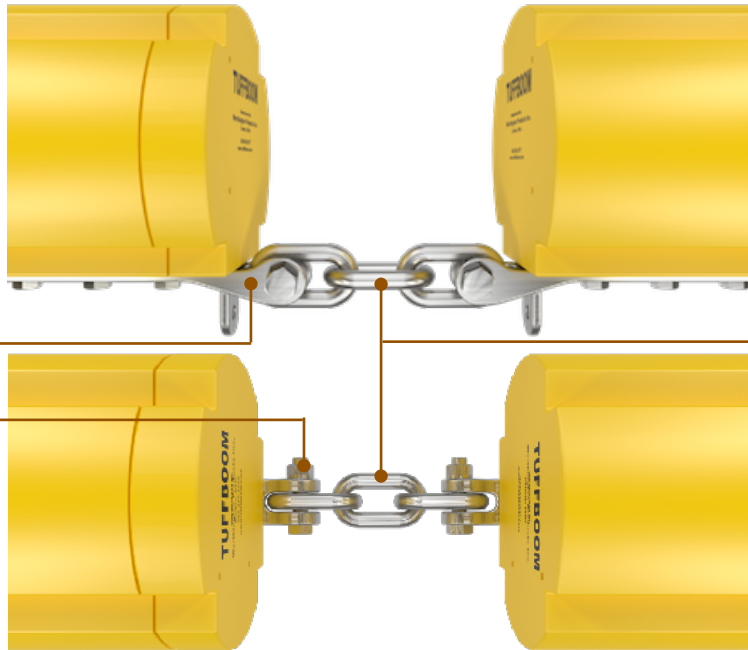


Worthington | TUFFBOOM Connect



Patented Cast Steel Bottom Plate. Break Strength exceeds 59,000 lbs (130 kips)

A325 Structural Bolt with Patented Self-Locking Heavy Hex Nut

GR80 Alloy Chain

Shackle connections are not suited for the harsh and continuous movements that our TUFFBOOM Series of barriers experience. We should know. With more than 20-years of installations in 62+ countries, we see a lot.

Our applications engineers used client feedback to develop the strongest, most reliable connection ever.

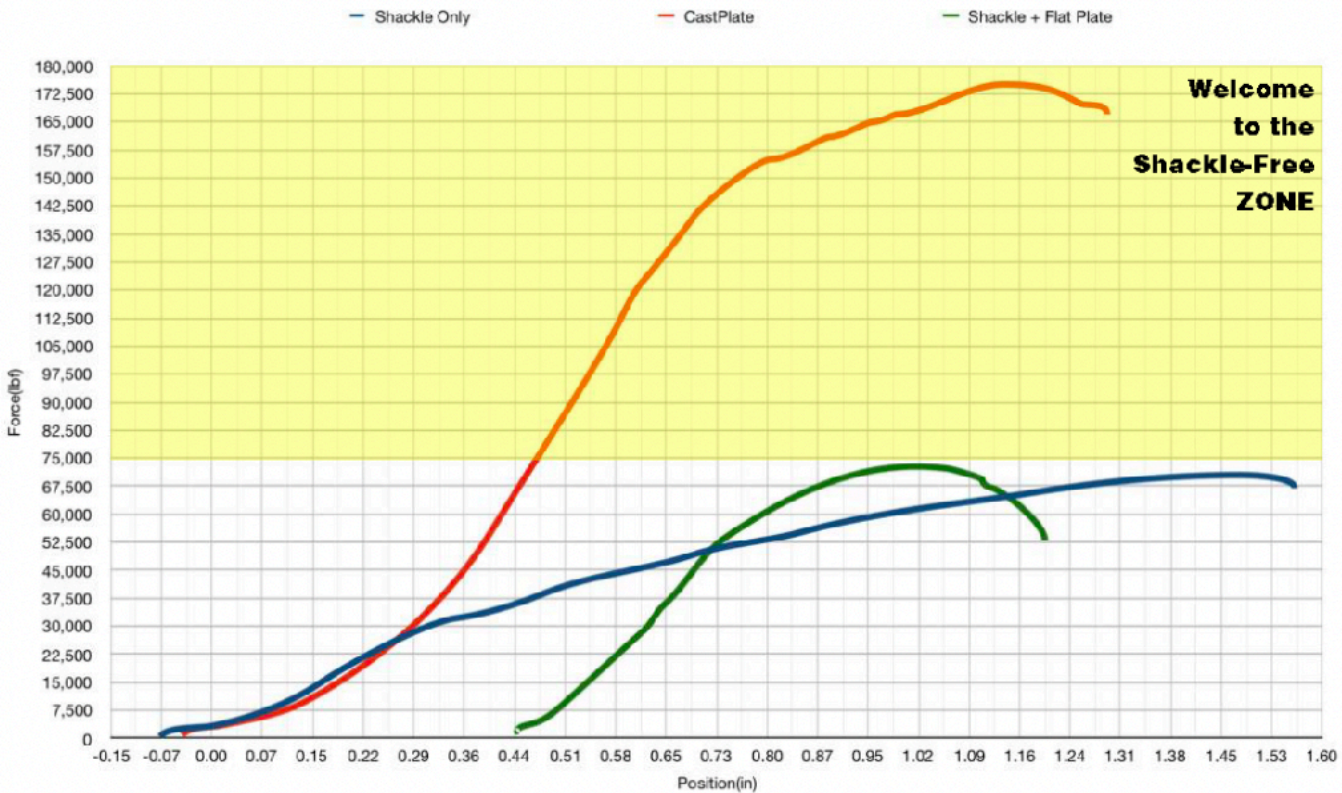
3X CAPACITY
NO OVALING
NO SHACKLES



INCREASED LOAD CAPACITY = SUPERIOR FIELD PERFORMANCE

Comparative tests of our shackle free connections versus the old-style shackle-link-shackle connection shows a 3x increase in overall breaking strength.

This increased load capacity results in greater margins of safety for connections, fewer stress breaks, and overall peace of mind that your booms will remain intact even during the toughest conditions.



SPECIFICATIONS

Connections between boom units shall permit full freedom of motion simultaneously in horizontal and vertical planes.

The minimum acceptable tensile strength for connection hardware shall not be less than 120,000 psi (54,434 kgs) and have a design factor of safety that is not less than 1.5. Manufacturer shall submit to owner certified independent test results confirming the minimum breaking strength is not less than 120,000 psi (54,434 kgs).

Wire rope connections, if used to connect boom units, must meet the minimum breaking strength requirements, spacing requirements and must include a swage fitting and thimble eye on each end. The use of Flemish eyes, and wire rope clips is not permitted.

Hot dipped galvanizing should be in accordance to the current version of ASTM A-123/A 123M and ASTM A-153/A 153M as applicable.



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