Crosby® Shackles

SIDE LOADED RATING REDUCTION TABLE FOR 3/16” - 3” (120 METRIC TONS)

Angle loads must be applied in the plane of the bow.

**INCLUDED ANGLE - SHACKLES**

Never exceed 120° included angle.
Use Bolt Type and Screw Pin Shackles ONLY.

Shackles symmetrically loaded with two leg slings having a maximum included angle of 120° can be utilized to full Working Load Limit.

For shackles larger than 125 metric tons, where the angle of the side load is greater than 5 degrees, contact Crosby Engineering.

**IN-LINE 45 DEGREES 90 DEGREES**

**WIRE ROPE SLINGS AND CONNECTIONS TO FITTINGS**

**SYNTHETIC SLINGS RATED LOAD**

FOLDING, BUNCHING OR PINCHING OF SYNTHETIC SLINGS, WHICH OCCURS WHEN USED WITH SHACKLES, HOOKS OR OTHER APPLICATIONS, WILL REDUCE THE RATED LOAD

**CHOKER HITCH FORMED WITH SHACKLES**

**CROSBY SHACKLES POINT LOADING**

POINT LOADING OF CROSBY SHACKLE PIN IS ACCEPTABLE AS LONG AS LOAD IS REASONABLY CENTERED ON THE PIN

ALTHOUGH POINT LOADING IS ACCEPTABLE, A PIN EYE WIDTH OF MINIMUM 12 TIMES THE SHACKLE SPREAD IS BEST PRACTICE