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

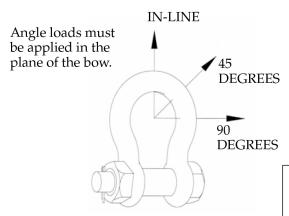
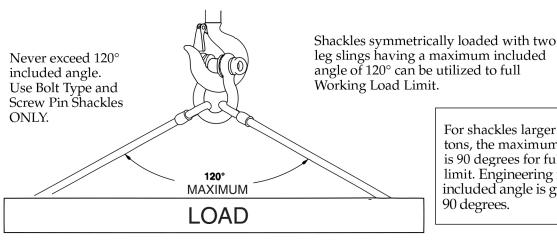


Table 1 Side Loading Reduction Chart	
Angle of Side Load	
from Vertical In-Line of Shackle	Adjusted Working Load Limit
0° - 5° In-Line*	100% of Rated Working Load Limit
45° from In-Line*	70% of Rated Working Load Limit
90° from In-Line*	50% of Rated Working Load Limit

- + In-Line load is applied perpendicular to pin.
- * DO NOT SIDE LOAD ROUND PIN SHACKLE.

For shackles larger than 125 metric tons, where the angle of the side load is greater than 5 degrees, engineering is required.

INCLUDED ANGLE - SHACKLES



For shackles larger than 125 metric tons, the maximum included angle

is 90 degrees for full working load limit. Engineering is required if included angle is greater than 90 degrees.

WIRE ROPE SLINGS AND CONNECTIONS TO **FITTINGS** USE A THIMBLE TO PROTECT SLING AND TO INCREASE D/d NEVER PLACE EYE

OVER A FITTING SMALLER DIAMETER OR WIDTH THAN THE ROPE'S DIAMETER

