WAC 296-155-33905 Shackles. (1) Pins must be connected to the choking eye of the sling when a shackle is used in a choker hitch.

- (2) Screw pins must be:
- (a) Fully engaged, with the shoulder in contact with the shackle body (see Figure 16, Typical Shackle Components).
- (b) Rigged in a way that keeps the pin from unscrewing while in use.
- (c) Secured from rotation or loosening if used for long-term installations.
 - (3) Cotter pins must be kept in good working condition.
- (4) If the shackle is side loaded, you must reduce the rated load, according to the recommendations of the manufacturer or a qualified person (see Figure 17, Side Loading).

Note: See Figure 18, Shackle Types, for examples of types of shackles covered by this rule.

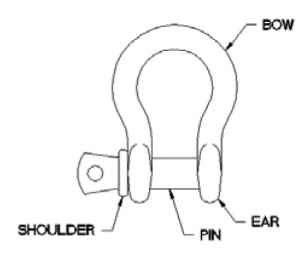


Figure 16
Typical Shackle Components

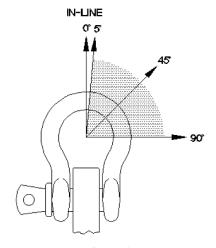


Figure 17 Side Loading

Side Loading Angle, deg.	% Rated Load Reduction
In-line (0) to 5	None
6 to 45	30%
46 to 90	50%

Side Loading Angle, deg.	% Rated Load Reduction
Over 90	Not permitted unless authorized by manufacturer or qualified person

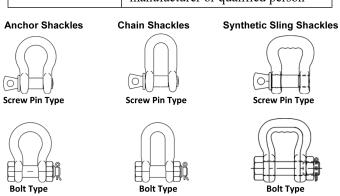


Figure 18 Shackle Types

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 16-09-085, § 296-155-33905, filed 4/19/16, effective 5/20/16. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060 and chapter 49.17 RCW, and 29 C.F.R. 1926, Subpart CC. WSR 13-02-068, § 296-155-33905, filed 12/31/12, effective 2/1/13.]