Application Information

RIGGING PRACTICE SHACKLES

Screw pin shall be fully engaged. If designed for a cotter pin, it shall be used and maintained. Applied load should be centered in the bow to prevent side loading. Multiple sling legs should not be applied to the pin. If side loaded, the rated load shall be reduced according to Table 1 on the following page.

Screw Pin Shackles Pin Security



MOUSE SCREW PIN WHEN USED IN LONG-TERM OR HIGH-VIBRATION APPLICATIONS.
Mouse or Mousing (screw pin shackle) is a secondary securement method used to secure screw pin from rotation or loosening. Annealed iron wire is looped through hole in collar of pin and around adjacent leg of shackle body with wire ends securely twisted together.

Shackles



ROUND PIN
Do not side load, do not use as a collector ring, always use cotter pin.



SCREW PIN
Use when picking and placing a load, tighten pin prior to each lift.



BOLT-TYPE
Use in permanent or long-term installations, always use nut and cotter.

Connection of Slings to Shackles



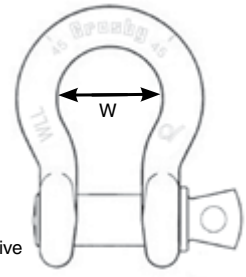


Diameter of shackle must be greater than wire rope diameter if no thimble in eye.



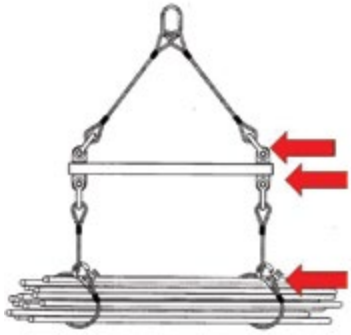
Shackle must be large enough to avoid pinching of synthetic slings.

Note that the effective width of the curved surface is only 75% of width.



Effective Width = .75 x W

Bolt-Type Shackles

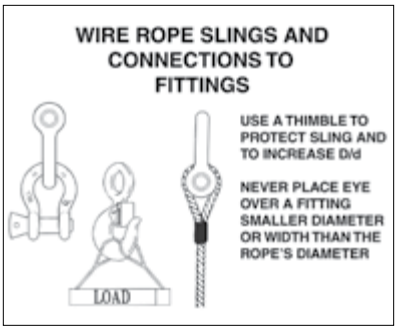


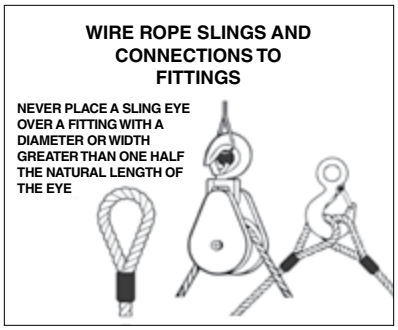
Use Bolt-Type Shackle for permanent or long-term connection.

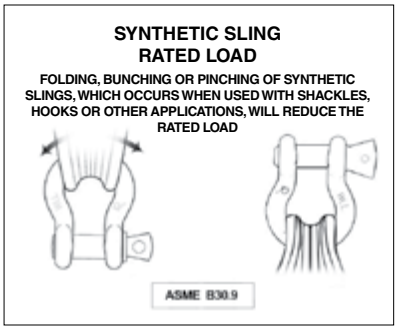
Use Screw Pin Shackle for temporary connection.

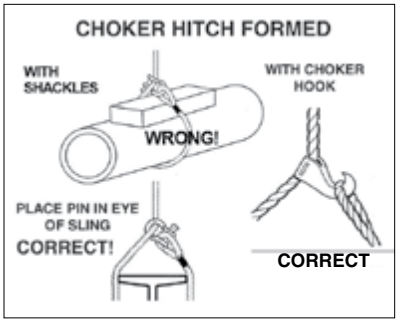


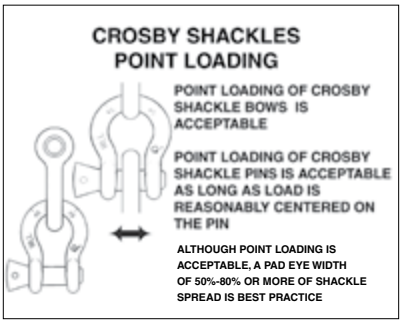
Not necessary to tighten nut. Always use cotter pin.











This application/warning information apply to Crosby products only.

© 2023 The Crosby Group LLC. All Rights Reserved.