

Rigging Hardware



Hooks

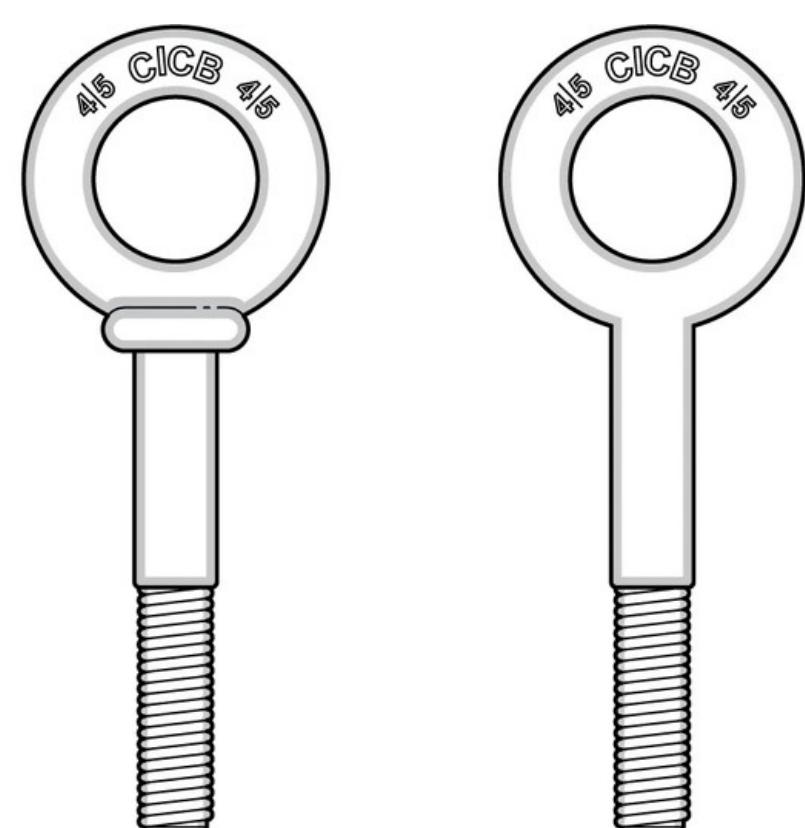
The hook should be the weakest part of any crane, hoist, or sling.

The safe working load should be stamped on the hook, but the hook's efficiency depends on the attachment of the load.

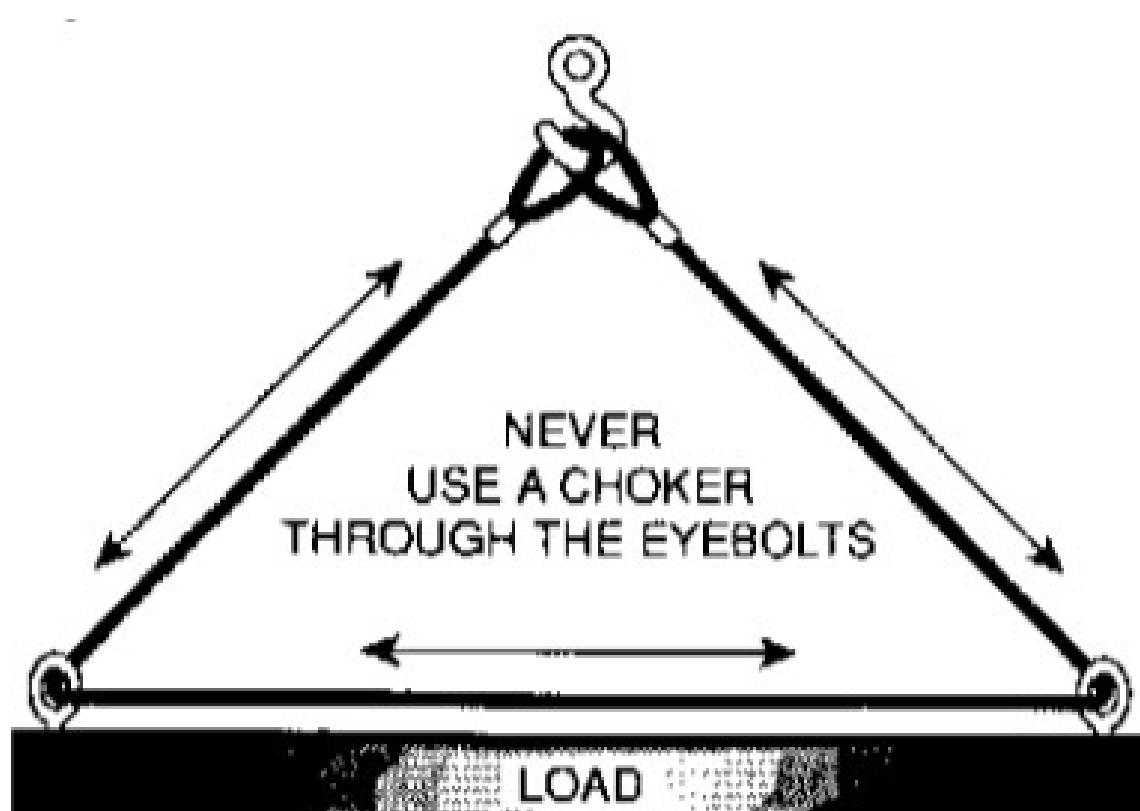
Balanced load	1/4 off center	1/2 off center	3/4 off center	Point Loading
Can carry 100% of rated load	Can carry ~86% of rated load	Can carry ~80% of rated load	Can carry ~70% of rated load	Can carry ~40% of rated load

Eye Bolts

Eye bolts can be shouldered or shoulderless. All eyebolts used in lifting operations should be equipped with shoulders.



SHOULDERED EYEBOLT NON-SHOULDERED EYEBOLT



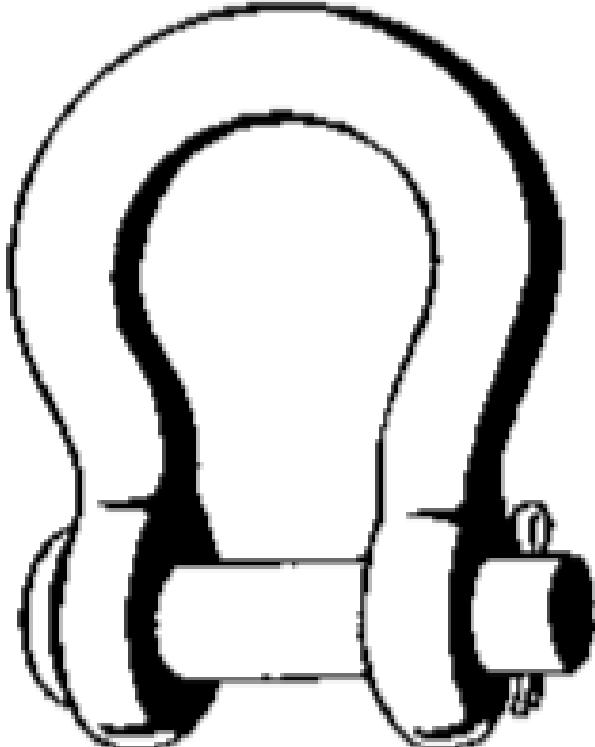
Where a load contains more than one point of suspension for the lift, eyebolts should be aligned to reduce strain on either attachments.

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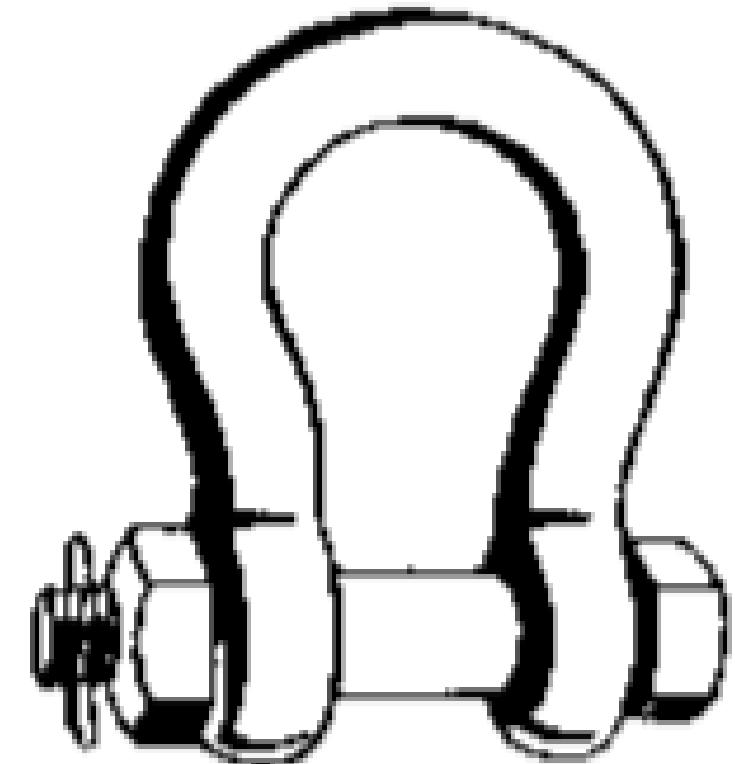
Shackles



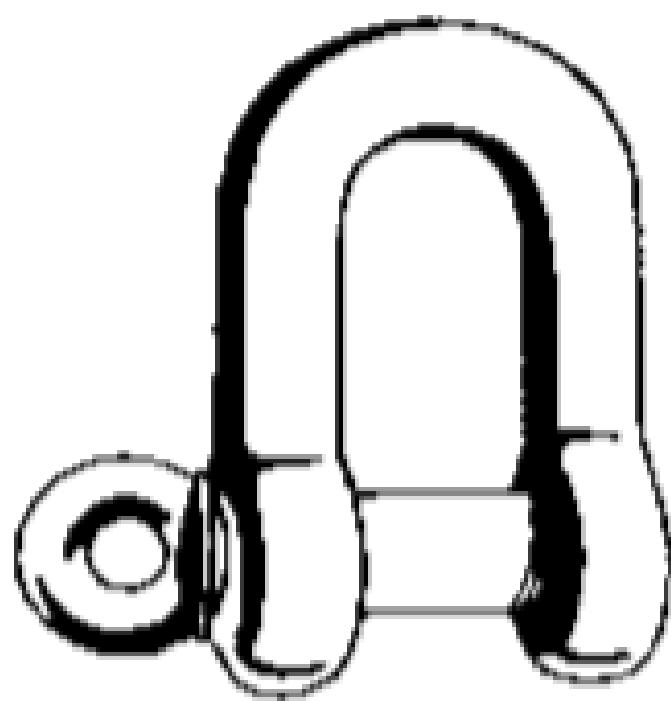
Screw pin anchor shackle



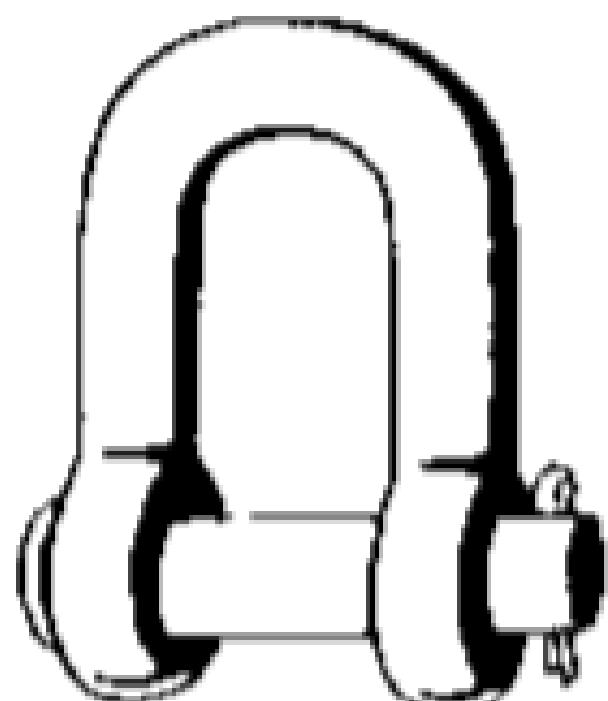
Round pin anchor shackle



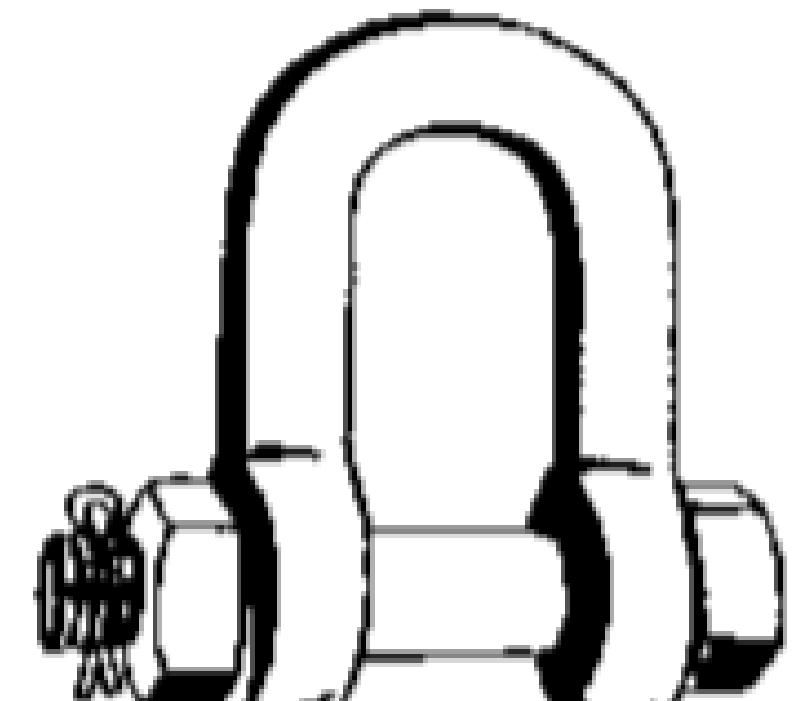
Safety type anchor shackle



Screw pin chain shackle



Round pin chain shackle



Safety type chain shackle

Shackles have some general rules:

- Only use the proper pin, don't replace it with a standard bolt.
- Never use a screw pin shackle if the pin can roll under the load.

Shackle pins are:

- 1/16" larger than the bow on sizes up to 7/16".
- 1/8" larger than the bow on sizes 1/2" to 1 5/8".
- 1/4" larger than the bow on sizes 1 3/4" and over.

"Safety is a core value and business priority"