

MANUAL HOISTS

AT A GLANCE

WHAT IS A MANUAL HOIST?

Manual hoists can be designed in either a chain or wire rope configuration, and are mainly used for occasional lifts where speed of the lift is not a factor. One chain is used to lift and lower the load and the other chain is used to support the load. The chain is pulled using a hand-over-hand motion, or a handheld lever or ratchet, to turn the gears located inside the hoist and deposit the chain in a chain basket.

APPLICATIONS

Manual hoists have a simple design that allows for easy inspection, maintenance, and cleaning. Their compact design allows them to be used in tight quarters, and in applications where electricity is impractical or is not available.

Manual hoists are most often used in rigging, maintenance, construction, automotive, general manufacturing, mining, and oil applications.

TYPES

Hand Chain

- Ideal for construction, maintenance, automotive, and industrial applications
- Typical capacities can range anywhere from 1/4-ton to 50-ton
- Can be attached to a beam or trolley and utilize a vertical pull to produce a vertical lift
- Spark-resistant design can be accomplished using stainless or bronze hooks, wheels, and chains

Lever/Ratchet Hoists

- Ideal for construction sites, plant maintenance, and industrial applications
- Design allows the user to pull, lift, and position materials either horizontally or vertically
- Typical capacities can range anywhere from 1/2-ton to 9-ton
- 360° rotation of the lever and top swivel hook for easy rigging
- Compact, portable, and durable design allows it be used in tight quarters

Lineman's Hoist

- Web straps instead of metal rope or chain material allow linemen to work on energized power lines
- Lightweight and one-hand operation
- Designed for precise pulling in tight spots



Lever /
Ratchet



Lineman's



Hand
Chain



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