

GEARS

Crofts Gears' renowned gear range is designed and manufactured in South Africa to Croft's high Quality Assurance System. We design and manufacture our gear units for longevity and longstanding serviceability. Gear units are available in various standard and bespoke configurations covering wide ranges of industries. Typical applications include conveyor and mill drives, cooling towers, agitators and mixers, screw feeders, and cranes.

CAPSTAN WINCH:

A Capstan Winch is a vertical-axle rotating machine developed for the use of multiplying the pulling force when moving heavy weights. A simple, versatile, and economical alternative to fixed winches, used in place of locomotives and tugs. High-Pull electric capstans are a low maintenance, dependable solution for moving railcars in mines, dockyards, timber yards, factories, and foundries. A standard range of sizes is available and includes pulls of 13 to 89kN when hauling at a standard speed of 0.2m/sec. Speeds can be modified to suit customer requirements. Bespoke variations available up to 178kN.

- They require little maintenance and are instantly available for use.
- They are weatherproof and can be used outdoors.
- Rope can leave the drum at any angle, enabling the operator to stand in the most suitable position.
- Capstans can pull in any direction, unlike a winch.
- Capstans can accommodate multiple rope types and sizes (e.g. tugs using various ropes).
- If used correctly Capstans are safer than winches.
- General legislation dictates maximum travelling speed at 0.2m/s, however, speed can be modified to suit customer requirements.
- Backstop can be fitted for sloping applications.
- **Capstan head (Bollard)** – cast in high-grade close-grained cast iron for long rope life.
- **Gears** – First reduction helical gears are manufactured from high tensile alloy steel, gears can be changed to give different pulling speeds. The second reduction is via worm gears.

