

- Drum winch with a pull force of max. 1,55 to (ST140) or 3,4 to (ST 280) for various usages (mast equipping, tower erection, antenna construction...)
- Optional also for lifting passengers
- Other pull forces / bigger rope drums on request
- Robust machine designed for highest reliability, simple operation and minimal maintenance
- Simple chassis for operation only at construction sites; machine can be tilted by hand to dismount the wheels => simple anchoring of the base frame in the ground
- Diesel engine (optional gasoline engine) with hand crank start
- High quality control technique enables inching even under maximum load



Drum winch technical data:

- Max. pull force and speed
Typ: ST 140 (z.B. at 300 m robe-Ø 7 mm):
 - Middle rope layer: 1.400 daN with 30 m/min (36 m/min at 12,5 kW)
 - Inner rope layer: 1.550 daN with 27 m/min (32 m/min at 12,5 kW)
 - Speed continuously adjustable: 0 - 33 m/min (39 m/min at 12,5 kW)
- Typ: ST 280 (z.B. at 300 m robe-Ø 9 mm):
 - Middle rope layer: 2.800 daN with 17 m/min (20 m/min at 12,5 kW)
 - Inner rope layer: 3.400 daN with 14 m/min (17 m/min at 12,5 kW)-
 - Speed continuously adjustable: 0 - 20 m/min (24 m/min at 12,5 kW)
- Optional with free wheel device to pull out ropes by hand (without engine)
- Stable rope guiding device with hardened rope rollers
- Large rope drum (=> few rope layers => rope preserving) with stable pressure rollers for fixing the rope
- Max. rope capacity: K=44816 => e.g. 900 m for rope Ø 7 mm or 300 m for rope Ø 12 mm

Control of the machine:

- The rope can be indefinitely controlled in/out via a hand lever

Hydraulic driving system:

- A complete driving unit consisting of planetary gear, brake and hydraulic motor is integrated => fully enclosed and therefore requiring minimal maintenance
- With safety disc-brakes automatically activated
- High quality control technique enables inching even under maximum load
- Hydraulic hoses and screw connections with a special sealing system for a long service life without leakage

Engine:

- Air-cooled diesel engine with crank handle start; 10,5 kW (14,2 HP) at 3.000 rpm; optional: gasoline engine with 12,5 kW (17 HP)

Weight and dimensions:

- Weight: approx. 490 kg (without rope)
- Length x width x height.: approx. 1.580 x 1.580 x 1.270 mm

Frame and support:

- Stable steel frame with anchoring eyes
- Central lifting ring for easy loading by crane

Chassis:

- 1 rigid axle with height-adjustable and easily removable towing bar ; wheels can also be simply dismantled manually; to be used only at construction sites

Ropes (optional):

- ST 140:
 - High quality steel hoisting rope Ø 7 mm; breaking load: 5.000 daN; minimal twist, galvanized; standard length: 300 m
 - High quality, tightly braided synthetic fibre ropes Ø 12 mm; breaking load 7.500 daN; anti-twist; standard length: 300 m
- ST 280:
 - High quality steel hoisting rope Ø 9 mm ; breaking load: 8.000 daN; minimal twist, galvanized; standard length: 300 m
 - High quality braided synthetic fibre ropes Ø 10 mm; breaking load: 10.100 daN; anti twist; standard length: 300 m
- Other steel or synthetic fibre ropes on request

Optional equipment:

- Special equipment or special models (for lifting passengers or with different pull forces) on request



Modifications and errors excepted. Illustrations show in part optional equipment. Technical data varied according to model. Machine performance is calculated at sea level at 20°C.