

- Bull wheel Puller with integrated reel winder for pulling 1 rope up to a maximum pull force of 3,5 to
- Reel winder for loading/unloading reels independently
- Automatic rope guiding device
- Special reel shaft => allows one single operator to change the reels very quickly without tools
- Robust machine, constructed for highest reliability, simple operation and minimal maintenance
- Hydraulic pump with automatic limit load control => protection of engine and easy operation



Technical data in pulling mode:

- Max. pull force: 3.500 daN
- Continuously adjustable speed: 0 - 4 km/h
at 3.500 daN: max. 1,2 km/h

Control of the machine:

- Manual control; rope can be indefinitely controlled in/out
- Control panel with display of the pull force and all instruments to control engine, hydraulic and electrical systems
- Pulling force switch-off system
- Optional: Preparation for a quick installation of a pull force recorder

Cover:

- Optional: Lockable cover made of thick-walled aluminium sheet

Double wheel drive:

- 2 bull wheels with a diameter of 350 mm
- Grooves designed for connectors up to $\varnothing 41$ mm
- Automatic rope clamping with integrated grounding device => rope anchoring not necessary during change of reels.

Hydraulic drive system:

- Each bull wheel with complete driving unit, consisting of planetary gear, hydraulic motor and multi-disk brake => fully enclosed and therefore requiring minimal maintenance
- 2 emergency multiple-disc brakes, automatically activated
- High quality control technique enables inching even under maximum load
- Highly effective oil cooling system, electrically activated and controlled via thermostat, designed for extreme operating conditions
- Hydraulic hoses and screw connections with a special sealing system for a long service life without leakage

Integrated reel winder:

- Hydraulic drive of the reels with gear unit and hydraulic motor => fully enclosed => requiring minimal maintenance
- With free wheel device for pull out of the rope
- Reel lifting device for steel reels with $\varnothing 1.100 - 1.400$ mm
- Hydraulic lifting and lowering of the reels for loading/unloading
- Automatic rope guiding device

Engine:

- Water-cooled diesel engine with max. 26 kW (35 HP)
- 12 V system with high capacity battery for a safe start also at cold temperatures

Weight and dimensions:

- Weight: approx. 1.180 kg
- Length x width x height: approx. 2.450 x 1.550 x 1.700 mm

Frame and support:

- Stable steel frame with anchoring eyes
- Central lifting ring for easy loading by crane
- Front support via mechanical backstay => for high stability
- Back support via 2 mechanical supporting plates

Standard chassis:

- 1 axle chassis with rigid axle
- Optional: parking brake, lighting system, mudguards

Optional chassis:

- 1 axle chassis with spring-mounted axle, overrunning brake system, parking brake, lighting system, mudguards and registration as high-speed trailer up to 80 km/h

Optional equipment:

- Biodegradable hydraulic oil
- Electronic pull force recorder to document the pull force
- Grounding plate with holding device
- Reels with detachable or non-detachable flange with Ø 1.100 or 1.400 mm
- Ropes (steel or synthetic fibre ropes) on request
- Special equipment or special models on request
- Radio remote control



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.