



- High safety and high efficiency due to automated tubular handling and connection making system
- Time and cost saving due to high mobility of rig
- High flexibility due to compact footprint

GEOTHERMAL WORKOVER RIG GWR 100

Supported by:



Federal Ministry
for Economic Affairs
and Energy

on the basis of a decision
by the German Bundestag

www.streicher-drillingtechnology.de



The STREICHER GWR 100 is a semi-automated workover rig specifically designed for optimised geothermal workover operations. The rig GWR 100 can perform workover like change of ESP pumps on wells by using one side access only and without using guy lines (= small footprint). Narrow and obstructed well sites are no more an obstacle for fast and efficient workover. The STREICHER geothermal workover rig GWR 100 includes latest automation technology covering the complete workover operation for safe and efficient workover in every situation. All main components like hoisting system, pipehandler, casing tong system and working platform are integrated in one special trailer.

STREICHER GWR 100

- Hook Load: 100,000 kg (220,000 lbs.)
- Rated Rig Power: 403 kW (540 hp)
- Ambient Temperature: -20 to +40 °C (-4 to 104 °F)

Working Platform

- Platform Size: 6.2 x 5.3 m (20.3 x 17.4 ft)
- Min. Height below Platform: 2.5 m (8.2 ft)

STREICHER Slip Table

- Slip Table Size: 37 1/2" (Ø 952 mm)
- Max. Load Capacity: 100,000 kg (220,000 lbs.)
- Slip Lifter Type: Hydraulic/Remote

STREICHER Special Semi-Trailer

- Axle Load: 4 x 12 t
- Axle Type: Independent Suspension, Hydraulically Steered
- Certificate of Exemption in Accordance with § 70 StVZO

STREICHER Hydraulic Power Unit

- Dimension: 30 ft High Cube/Sound Protection Container
- Drive: Diesel-Hydraulically
- Emission Level: T4 final/EU IV
- Electrical Control Room with HMI Panel

Controls

- Main Remote Control for all Main Functions
- Auxiliary Remote Control for Teach-in and Auxiliary Crane

STREICHER Auxiliary Crane

- Location: Mast Top
- Slewing Range: 360 °
- Safe Working Load: 2,000 kg (4,409 lbs.)
- Maximum Reach: 4,000 mm (13.1 ft)

STREICHER Pipe Handling System

- Operating Tubular: 3 1/2" to 13 3/8" (Range III)
- Tubular Length: 8.0 to 14.63 m (26.2 to 48 ft)
- Max. Handling Load Capacity: 3,000 kg (6,600 lbs.)
- Pipe Storage Length: 6.0 m (19.7 ft) on each side

STREICHER Casing Tong System

- Operating Casing/Tubular: 7" to 13 3/8" (178 to 340 mm)
- Max. Break-Out Torque: 47,000 Nm (34,686 ft-lbs.)
- Max. Speed: 50 RPM @ 7,120 Nm
- Max. Vertical Travel: 380 mm (1.2 ft)

STREICHER Casing Slip Lifter

- Feature: Slot for ESP- Umbilical
- Slip Sizes: 7" to 13 3/8"
- Type: Hydraulic

Applied Standards and Regulations

- Directive for Machinery 2006/42/EC
- Directive for Explosion Proof Equipment 2014/34/EU
- BVEG Recommendation regarding explosion-hazardous areas
- Laws of German Mining Authorities