

# DRILLING



Photo: Adobe Stock

## Load & force

- Top drive instrumentation
- Load pins
- Static tension
- Compression cell
- Reaction torque
- Redundant force
- Customized solutions



Hook load tensiometer

## Encoders & Sensors

- Linear position
- Rotary angle position
- Tilt
- Vibration sensor
- Encoders
- Inductive pulse sensors
- Valve position
- Pressure transmitters



Incremental + absolute encoders

## HMI + Instrumentation

- Joystick controllers
- Load instrumentation
- Vibration Instrumentation
- Keyboards
- Barriers
- Signal condition
- Customized control panels



Vibration meter, analyzer & datacollector



Joystick controllers

## Brunvoll Components

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