

INNOVATION, PRODUCTIVITY AND SAFETY

Topdrill's Sandvik multi-purpose DE840/880 drills have the ability to perform diamond coring, directional drilling, geotechnical drilling and rotary mud drilling. Topdrill have upgraded their DE840/880 drills to incorporate the latest in drill rod handling solutions. The Sandvik DA555 rod handler fitted to the drills allows true hands free rod handling whilst maintaining a small machine footprint. A hydraulic rod breakout tool and rod spinner completes the package and provides a safer and more productive work environment for our employees.

STANDARD DESIGN FEATURES

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| Drill Mast | <ul style="list-style-type: none"> • 9m (30ft) rod pull capacity • 12.3m (40'4") long • 1300mm (4'3") hydraulic mast dump |
| Rotation Head | <ul style="list-style-type: none"> • Stepless speed control • High/low manual gear change • 73-200rpm in low gear • 550-1500rpm in high gear • Floating spindle 50mm (2") |
| Head Traverse | <ul style="list-style-type: none"> • 7.3m (24ft) traverse • Max speed of 44.8m/min (147ft/min) up and 29.6m/min (87ft/min) down • Pull down 113kN (25,350lbf) • Pull back 226kN (50,700 lbf) • Rod pull 9m (30ft) |
| Wireline Winch | <ul style="list-style-type: none"> • Capacity of 2000m (6560ft) of 8mm (5/16") or 2500m (8200ft) of 8mm (5/16") wire rope • Max pull 12.6kN (2800lbf) at 430m/min (1410ft/min) full drum • Max pull 21.4kN (4800lbf) at 255m/min (835ft/min) bare drum |
| Main Hoist | <ul style="list-style-type: none"> • Mast-top mounted • Single line pull • Max pull 216kN (48500lbf) • Max speed 137m/min (450ft/min) |
| Mounting | <ul style="list-style-type: none"> • Mounted on a 8x8 truck, MAN or Mercedes |
| Water Pump | <ul style="list-style-type: none"> • 140L/min (37gpm) at pressures up to 7000kPa (1000psi) |
| Diesel Engine | <ul style="list-style-type: none"> • CM11-C300 engine rated at 246kW (300hp) at 2100rpm |
| Rod Clamps | <ul style="list-style-type: none"> • One rod clamp supplied for B, N, H and P sizes • Hydraulically operated and self energising • Range from 44.5 to 177.8mm (1 3/4" to 7") • 224mm (8 3/4") rod clamp body opening |
| Rod Handling | <ul style="list-style-type: none"> • DA555 Hands free diamond pipe handler • Remote controlled • Austex hands free hydraulic breakout tool • Drillman hands free rod spinner |

Safety Equipment

- Multi Point emergency stop system
- Rod Fall Prevention System
 - Reduces potential of rod falling from mast and causing injury
- Operator Fall On Protection System (FOPS)
 - Rated FOPS. Reduces potential of injury occurring as a result of falling objects.
- Automatic Fire Suppression System
 - Automatic or manual activation
- Acoustic Pack
 - Reduces engine noise to 84db max
- Self bunded engine and hydraulic pack
 - Reduces risk of hydrocarbon spill causing environmental incident
- Drill is fully risk assessed