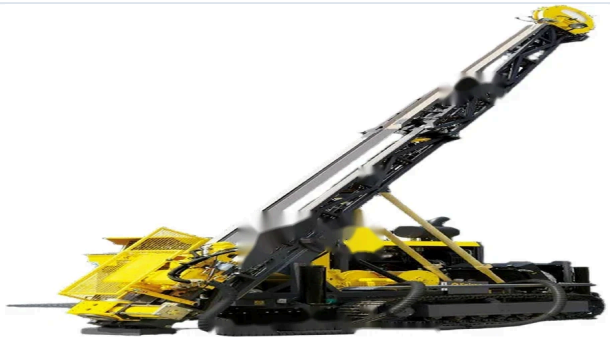
Boyles C6 · Surface Core Drill Rig

Trailer or crawler mounted wireline core rig for resource exploration — B 1,536 m depth, 138 kN pull and optional CE-certified rod handler.



Model	Boyles C6 (trailer) / Boyles C6C (crawler)
Application	Surface wireline core drilling — resource exploration, geotechnical
Depth capacity	B 1,536 m · N 1,211 m · H 804 m · P 491 m (thin-wall rods: up to 1,824 m B)
Engine	Cummins QSB 6.7 turbo diesel — Tier 3: 153 kW; Tier 4F/Stage V: 168 kW @ 1,800 rpm
Mast & feed	3.5 m feed travel, thrust 59.6 kN, pull 138 kN, rod pull 6.09 m, angle 45°–90°, mast dump 0.8 m
Rotation unit	Two-speed gear driven, spindle ID 124 mm, max torque 7,603 N·m, max speed 1,300 rpm
Main hoist	80 kN single line (bare drum), 44 m/min, 27 m × 16 mm cable, dual dynamic + static brake
Rod holder	Hydraulic open / gas spring closed — BO-PO 114.7 mm, 13,000 kgf; BO-PW (option) 139.7 mm, 20,000 kgf

Chuck	Hydraulic open, spring close, max Ø124 mm, holding capacity 178 kN
Flush pump	Trido 140H, 140 l/min @ 70 bar
Hydraulics	Primary 28 MPa / 242 l/min · Secondary 20 MPa / 122 l/min · Auxiliary 21.5 MPa / 47 l/min
Tanks	Hydraulic oil 300 l · diesel 200 l
Weight	Trailer: 7 t (Tier 3) / 8 t (Stage V) · Crawler: 9 t (Tier 3) / 10 t (Stage V)
Base support	4 hydraulic jack legs, pad Ø200/230 mm, leg adjust 550 mm; crawler ground pressure 11 psi
Optional RHS	Rod Handler System: B 25 / N 20 / H 15 / P 11 rod rack, 3 m & 6 m rods, 2,500 kg, CE certified (EN 16228)

Specifications shown are typical values for this machine class. Request the full datasheet for certified figures before ordering.

QD UG MINE

Tel +86 158 9882 2106 · zang0285@gmail.com

Qingdao, Shandong, China

www.ugmine.com