

**Christensen CS10**

**Wireline hoist**

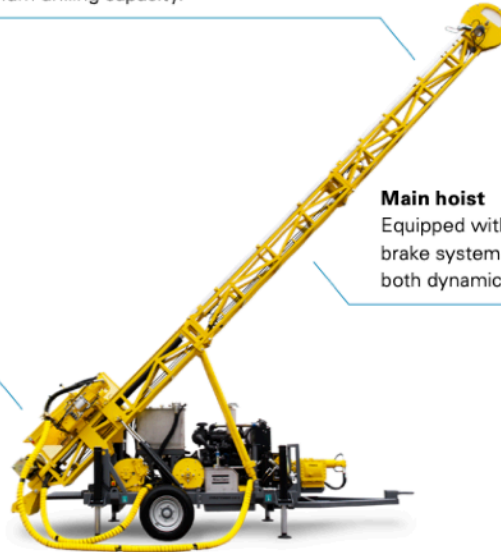
Dimensioned to handle the total rod weight at the maximum drilling capacity.

**Rotation unit**

Consists of a hydraulic motor, sealed gearbox, hollow spindle and hydraulic chuck. The rotation speed is adjustable from the control panel.

**Main hoist**

Equipped with a hydraulic motor and dual brake system. The dual brake system offers both dynamic and static breaking.



DEPTH CAPACITY				
Standard	Metric		Thin Wall	
	Metric	Imperial	Metric	Imperial
B	1 200 m	3 936 ft	1 412 m	4 631 ft
N	800 m	2 624 ft	941 m	3 087 ft
H	600 m	1 968 ft	706 m	2 315 ft
P	400 m	1 312 ft	471 m	1 544 ft

MAST AND FEED SYSTEM		
	Metric	Imperial
Feed travel	1.83 m	6 ft
Feed speeds, with variable control	High and Low	High and Low
Thrust	59.6 kN	13 390 lb
Pull	90 kN	20 200 lb
Drilling angle	45–90 degrees	45–90 degrees
Rod pull length	6 m	20 ft

ROTATION UNIT		
	Metric	Imperial
Power, hydraulic motor	Variable speed/reversible	Variable speed/reversible
Final drive	Gear driven	Gear driven
Spindle (inner diameter)	124 mm	4.88 in
Max torque	6 790 Nm	5 008 lbf
Max speed	1 300 rpm	1 300 rpm

ROD HOLDER		
	Metric	Imperial
Type: Hydraulic open, gas spring closed	80 to P0 rods/PW casing	80 to P0 rods/PW casing
Max diameter	144 mm	5.7 in
Clamping capacity	130 kN	29 922 lbs

SPINDLE DATA			
Spindle	Ratio	Speed, rpm	Torque, Nm
Low speed	17.55:1	80–200	6 790–2 670
High speed	2.70:1	510–1300	1 070–420

POWER UNIT		
Cummins QSB 4.5, Tier III	Metric	Imperial
Volume	4.5 liters, 4 cyl	1.2 g
Power, Tier III	116 kW	155 hp
RPM	2 000	2 000
Cooling system	Water	Water
Electrical system	24V	24V

CHUCK ASSEMBLY		
	Metric	Imperial
Type	Hydraulic open, spring close	Hydraulic open, spring close
Maximum diameter	124 mm	4.88 in
Holding capacity	178 kN	40 000 lbf

\*Above 3 000 m, High Altitude kit needed.