

ROC D3 SURFACE DRILL RIGS



**Ideal for tough pioneering work and for
urban area work sites**

Hole diameter 41-89 mm (1 ⁵/₈" - 3 ¹/₂")

Technical Data

ALUMINIUM CYLINDER FEED

ROC D3 -01		
Travel length	4240 mm	14'
Feed rate, max.	0,5 m/s	98 ft/min
Feed force, max.	20 kN	4400 lbf
Feed swing	35° right 60° left	
- reconnected	10° right 80° left	

ROC D3 -03		
Travel length	4070 mm	13'4"
Feed rate, max.	0,33 m/s	65 ft/min
Feed force, max.	12 kN	2160 lbf
Feed swing	37° right 37° left	

ENGINE

Cummins QSB4.5		
Rating at 2000 rpm	116 kW	156HP
Emission standard	Tier 3/Stage 3	

COMPRESSOR

Screw Compressor		
Working pressure	8.5 bar	123 psi
FAD at 8.5bar		
(-01 ver.)	95 l/s	201 cfm
(-03 ver.)	80 l/s	170 cfm

TRAMMING

Travel speed, max	3.3 km/h	1.9 mph
Traction force	90 kN	16185 lbf
Hill climbing ability (CE Norm)		
- without winch	20°	
-with winch	30°	
Track oscillation	± 15°	± 15°
Ground clearance	340 mm	13.4"



TRANSPORT DIMENSIONS, approx

Weight		
ROC D3-01 with RHS 51	10 500kg	23 150 lb
ROC D3-03 with rod rack	9 500 kg	20 950 lb
ROC D3-03 with optional Rod Adding System, RAS	9 700kg	21 400 lb
Length (-01 and -03)	10 000 mm	32'9"
Width (-01 and -03)	2 390 mm	7'10"
Height (-01)	3 600 mm	11'10"
Height (-03)	2 900 mm	9'6"

HYDRAULIC ROCK DRILLS

COP 1640		
Impact power	16 kW	22 HP
Working pressure	200 bar	2900 psi
Torque, alt hyd. motors	545/740/980 Nm	
	400/545/725 lbf.ft	
Weight	193 kg	425 lb
COP 1240		
Impact power	12 kW	16 HP
Working pressure	220 bar	3190 psi
Torque, alt hyd motors	545/740/980 Nm	
	400/545/725 lbf.ft	
Weight	185 kg	408 lb

STANDARD EQUIPMENT

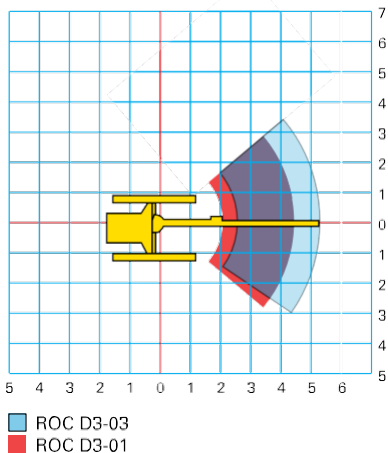
Track chains with cleaning holes
Two speed traction with track oscillation
Work lights
Fuel saving device at rod handling
Enginge rpm stepless setting
Reduced impact mechanism pressure
Anti-jamming system
Automatic feed pressure control (RPC-F)
Cylinder operated feed beam
Feed extension, 1 000 mm (3'3")
Hydraulic double drill steel support (-01)
Hydraulic single drill steel support (-03)
Rod handling system, RHS (-01)
Dust collector, DCT 140

OPTIONAL EQUIPMENT

Hydraulic support leg
Hydraulic winch
Cold start kit
Air flow control switch
Anti-freeze equipment for compressed air
Diesel engine preheater
Electric refuelling pump
Rod Adding System -RAS
Rod rack
Sleeve retainer
TAC guide tube guides
Mechanical hole inclination instrument -ROCANGIE
Electronic hole inclination instrument - HQS 9
Central lubrication system
Gas charging equipment for rock drill
ProCom rig navigation system

ROC D3	Drill Steel Type	Drill Steel Diameter		Recommended Hole Diameter	
-01/-03	Drifter rod (single pass)	32 mm	1 1/4"	41-64 mm	1 5/8"-2 1/2"
-01/-03	Extension rod	32 mm	1 1/4"	48-64 mm	1 7/8"-2 1/2"
-01/-03	Extension rod	38 mm	1 1/2"	64-76 mm	2 1/2"-3"
-01	Extension rod	45 mm	1 3/4"	76-89 mm	3"-3 1/2"

Coverage area, horizontal



Coverage area, vertical

