ROC D3

Ideal for tough pioneering works and for urban area worksites

The ROC D3-series-01 and the long boom system version -03, offers high capacity in the smaller diameter hole range. Compact, and only 9.5 t in weight, the ROC D3 performs well, even on rough ground, and the folding boom has a reach of up to 5.2 m. The rig is equipped with aluminium feed with cylinder feeding system.

Main benefits

- Longest possible reach in all drilling situations
- Easy to maneuver in difficult terrain
- Easy to transport from site to site

Technical specification

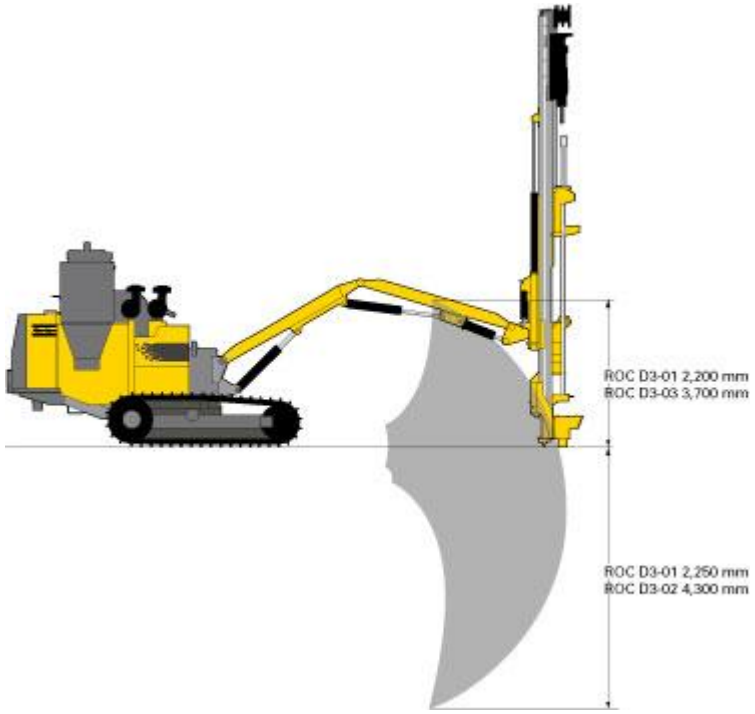
Recommended hole range (ROC D3-01)		
R32,T38, T45	41-89 mm	$1^{5}/_{8}$''-3 $^{1}/_{2}$''
Hole depth	17.5 m	57'
Recommended hole range (ROC D3-03)		
R32,T38	41-76 mm	$1^{5}/_{8}$''-3''
Hole depth	14 m	46'
Hydraulic rock drills		
COP 1240		
Impact power	12 kW	16 hp

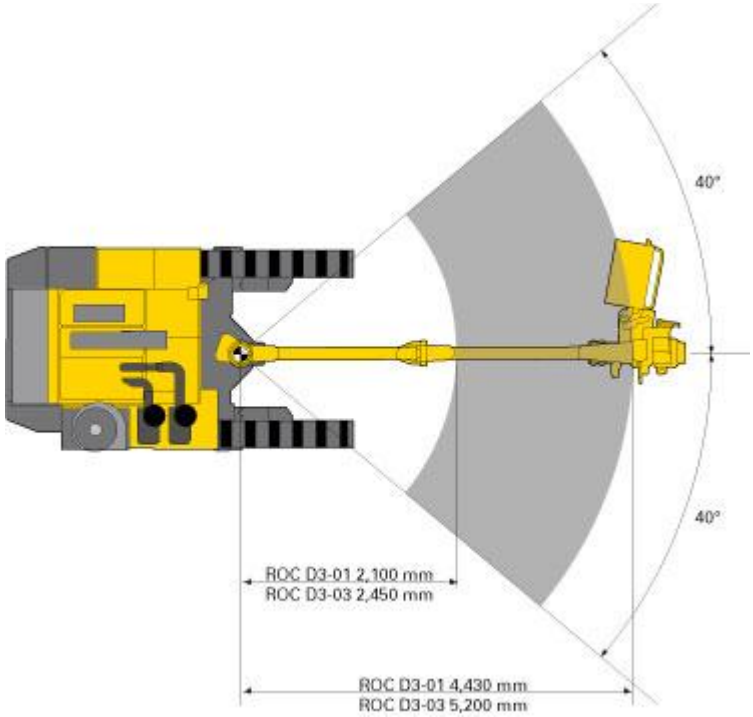
COP 1640		
Impact power	16 kW	22 hp
Atlas Copco OIS, screw compressor		
ROC D3-01		
Working pressure, max.	8.5 bar	123 psi
FAD	95 l/s	201 cfm
ROC D3-03		
Working pressure, max.	8.5 bar	123 psi
FAD	80 l/s	170 cfm
Engine		
Cummins turbo charged, diesel engine, QSB4.5, Tier III/stage 3		
Rating at 2,000 rpm	116 kW	156 hp
Boom variants		
Folding boom system		
Fuel tank		
Capacity	270 l	71.3 US gal
Feed		
ROC D3-01		
Feed length, total	7,140 mm	23'5''
Travel length	4,240 mm	14'
Feed rate, max.	0.5 m/s	98 ft/min
Feed force, max.	20 kN	4,400 lbf
ROC D3-03		
Feed length, total	6,000 mm	19'8''
Travel length	4,070 mm	13'4''
Feed rate, max.	0.33 m/s	64 ft/min
Feed force, max.	12 kN	2,160 lbf
Tramming		
Travel speed, max.	3.3 km/h	2.05 mph
Traction force	90 kN	20,230 lbf
Track oscillation	±15°	
Ground clearance	340 mm	13.4''
Transport dimensions		
ROC D3-01		
Weight, excl. options	10,500 kg	23,150 Ib
Width	2,390 mm	7'10''
Length	10,050 mm	33'
Height	3,600 mm	11'10''
ROC D3-03		
Weight, excl. options	9,500 kg	20,950 Ib
Width	2,400 mm	7'10''
Length	10,050 mm	33'
Height	2,900 mm	9'6''

ROC D3	
A-weighted sound power level in decibel (ref. 1pW) Single value declaration	126
A-weighted sound pressure level at work station in decibel (ref. 20 mPa) Double value declaration	113
Accurancy, KpA, in decibel	3
A-weighted sound pressure level at 1m distance in decibel (ref. 20 mPa) Double value declaration	105
Accurancy, KpA, in decibel	6
Weighted whole body vibration level (m/s^2) (Double value declaration)	NA
Inaccuracy (m/s^2)	NA

Noise and vibration levels

Coverage area




40°
40°
ROC D3-01 2,100 mm
ROC D3-03 2,450 mm
ROC D3-01 4,430 mm
ROC D3-03 5,200 mm