

FLEXIROC T15 R

Surface drill rig for construction applications

Hole diameter: 27 – 51 mm (1 1/16" – 2")

Atlas Copco



PRODUCTIVITY IN A SMALL PACKAGE

WHEN SMALL HOLES MEAN BIG BUSINESS, THE FLEXIROC T15 R DRILL RIG IS YOUR BEST FRIEND.

The FlexiROC T15 R is a compact, self-propelled, four-wheel drive drill rig that weighs in at only 3 400 kg. It has a 360 degrees mechanical roll-over feed beam and the entire re-pinning operation takes only 180 seconds. With a long, horizontal reach that can

put 27 – 51 mm (1 1/16" – 2") holes where you want them, this versatile machine is the perfect choice for demanding small construction jobs, dimension stone industry, and unique applications such as self-drilling anchors and boulder blasting.



+ MAIN BENEFITS

Large boom coverage makes the rig suitable for a variety of construction applications

Advanced rock drill design for great Free Air Delivery capacity

Excellent tramming stability for go-anywhere accessibility

PRODUCTIVITY JUST GOT EASIER

THIS EASY-TO-TRANSPORT HYDRAULIC SURFACE DRILL RIG DELIVERS HIGH PERFORMANCE ON DEMANDING SITES. THE FLEXIROC T15 R HAS GREAT BOOM COVERAGE, FLEXIBLE DRILLING CAPACITY AND EXCELLENT TRAMMING STABILITY.



+ QUICK AND SAFE DRILLING IN ROUGH TERRAINS

The innovative design of the FlexiROC T15 R drill rig makes it a stable partner for fast, steady movement even in rough terrain. This drill rig can be equipped with a hydraulic, variable-force winch for extreme working conditions that call for secure anchoring when tramming. For even safer movement, its specially designed front support legs can also assist in downhill tramming.



+ RUGGED AND ECONOMICAL

The FlexiROC T15 R drill rig has the same Atlas Copco quality folding boom and durable aluminum feed as its larger cousins in the FlexiROC series. Meeting the Tier 4 Final exhaust emission standards, RPM can be adjusted via remote control to minimize fuel consumption.



+ SMOOTH DRILLING

FlexiROC T15 R drill rig is equipped with a drill control system that automatically adjusts impact and feed speed in proportion to rotation torque. This means high productivity and smooth drilling even in soft, cracked formations. The rock drill control system increases drill steel life by decreasing stress on drill steels through proportional control of vital drill parameters.

ATLAS COPCO SERVICE

Even the best equipment requires regular service to ensure optimal performance. Atlas Copco provides service solutions to safeguard an optimized relationship between productivity, availability and operational cost. Atlas Copco Mining and Rock Excavation Technique has over 3 300 technicians located in over 80 countries. By combining the usage of Atlas Copco genuine parts with service provided by a certified Atlas Copco technician, you'll have a winning combination no matter of where in the world you operate.



TECHNICAL SPECIFICATIONS

MAIN COMPONENTS

- Hydraulic rock drill, COP 1020 series
- Cummins QSF2.8 Tier 4 Final diesel engine
- On-board Atlas Copco screw compressor, C55
- Aluminium profile feed beam
- Rubber tyred carrier
- Rod rack on carrier
- Full Remote Remote Control for all boom, drilling & tramming functions
- Support legs
- Air outlet with claw coupling
- Manual re-pinning of the feed for 360° swing angle coverage
- Service hand lights inside canopy, one piece with two connection points

HOLE RANGE

Rock drill	Shank type	Maximum hole depth		Drill diameter		Drill steel length	
		Metric	Imperial	Metric	Imperial	Metric	Imperial
COP 1022	HEX 22x108	9 m	30'	27 – 45 mm	1 1/16" – 1 49/64"	3 660 mm	12'
COP 1028	R28, SR28, R32, SR32	9 m	30'	33 – 51 mm	1 5/16" – 2"	3 660 mm	12'

ENGINE

Cummins, Diesel engine, QSF2.8 Tier 4 Final	Effect	
Power rating @ 2 200 rpm	48 kW	64 hp
Cummins, Diesel engine, B3.3 NA Tier 3/Stage IIIA		
Power rating @ 2 200 rpm	45 kW	60 hp

COMPRESSOR

Atlas Copco C55 C106 GD, screw compressor	Metric	Imperial
Working pressure, max	8.5 bar	123 psi
FAD, at normal working pressure	23 l/s	49 cfm
Air outlet for grinder		

HYDRAULIC ROCK DRILL

Rock drill	Impact power		Hydraulic pressure, max		Impact rate	Torque at shank, max		Weight approx	
COP 1022	4.5 kW	6 hp	150 bar	2 175 psi	70 Hz	126 Nm	93 lbf/ft	50 kg	110 lb
COP 1028	5.5 kW	7.4 hp	185 bar	2 683 psi	50 Hz	205 Nm	151 lbf/ft	51 kg	112 lb

ELECTRICAL SYSTEM

Voltage	12 V (24 V)*
Batteries	2 x 12 V, 56 Ah
Alternator	14.4 V, 120 Ah (24 V, 60 Ah)*
Work lights, on the carrier	3 x LED
Work lights, on the feed	2 x LED
Sound alarm and flashing light, *With Tier 3 engine	

HYDRAULIC SYSTEM

Hydraulic oil cooler	Metric	Imperial
Max ambient temperature	40°C	104°F
Return and drainage filters		
Filtration rate	16 µm absolute	
Manual hydraulic oil filling pump		

TRAMMING

	Metric	Imperial
Tramming speed, max	3.5 km/h	2.2 mile/h
Traction force (low/high gear)	20 kN	4 500 lbf
Ground clearance	230 mm	9"
Tramming angles		
Downward/upward max. without winch	20°/20°	
Downward/upward max. with winch	30°/20°	
Laterally, max (left/right)	20°/20°	

ENVIRONMENT

Noise levels	
Low idle	92 dB(A)
Idle	98 dB(A)
Max. engine speed	106 dB(A)
Drilling	123 dB(A)
Guaranteed sound power level (drilling)	126 dB(A)

FEED

Hydraulic chain feed	Metric	Imperial
Feed extension	600 mm	1' 11"
Feed rate, max	1.5 m/s	295 ft/min
Feed force, max	4 kN	899 lbf
Tractive pull, max	6 kN	1 348 lbf
Total length	4 988 mm	16' 4"
Travel length	3 555 mm	11' 8"

DUST COLLECTOR DCT T15

	Metric	Imperial
Filter area	4 m²	43 sq.ft
Number of filter elements	8 pcs	
Suction capacity at 500 mm wg	300 l/s	635 cfm
Suction hose diam	76 mm	3"
Cleaning air pressure, max	8.5 bar	123 psi
Cleaning air consumption	10 l/pulse	0.35 cu.ft/pulse

VOLUMES

	Metric	Imperial
Hydraulic oil tank	60/70 l	16/18.5 US gal
Hydraulic system, total	90/100 l	24/26 US gal
Compressor oil	8 l	2.1 US gal
Diesel engine oil	8 l	2.1 US gal
Diesel engine, cooling system	15 l	3.2 US gal
Diesel engine, fuel tank	67 l	18.5 US gal
Lubrication tank (ECL)	5 l	1.3 US gal

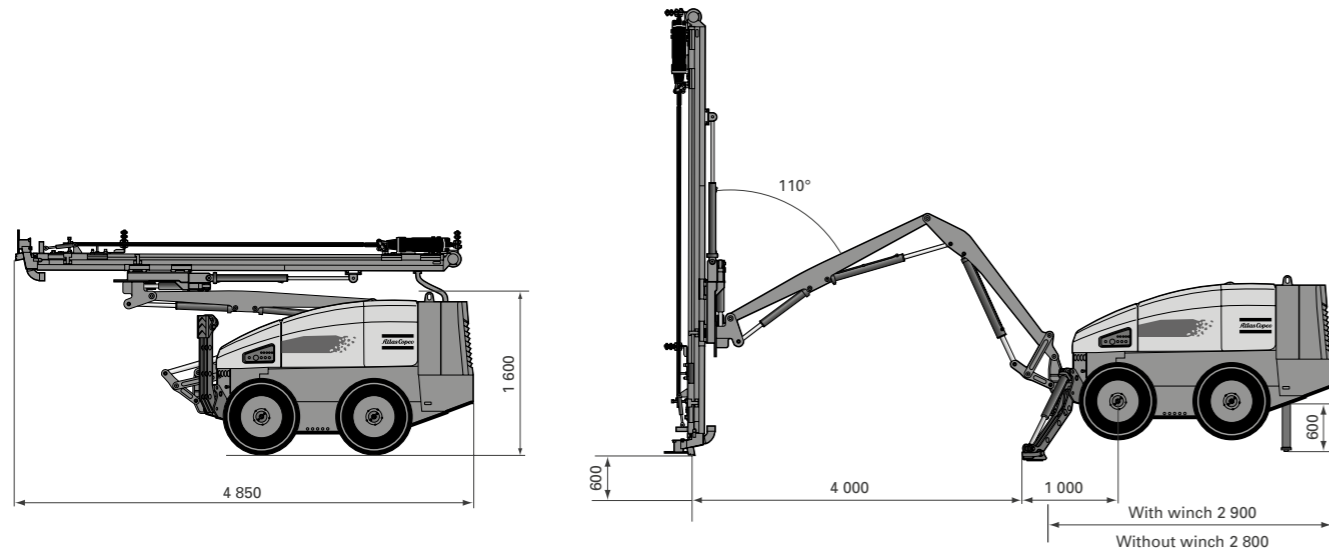
FlexiROC T15 R

Feed for 12 feet speed rods/
extension rods.

Hydraulic drill steel support
for easy extension drilling and
good operation overview.

Long folding boom for wide
coverage area.

Radio Remote Control with
integrated display.

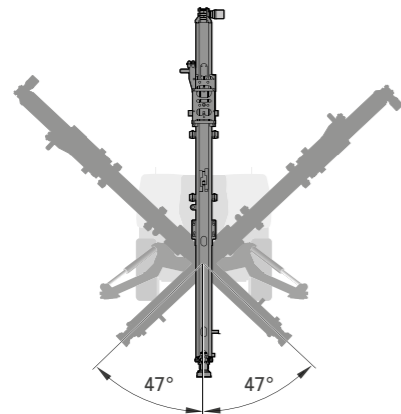


HEIGHT AND LENGTH

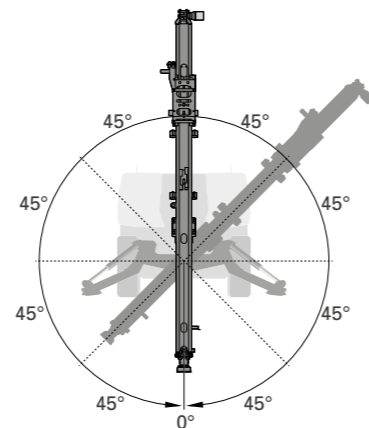
Feed dumped	Metric	Imperial
Height	2 250 mm	7' 5"
Width	1 770 mm	5' 10"
Length	4 950 mm	15' 11"

WEIGHT

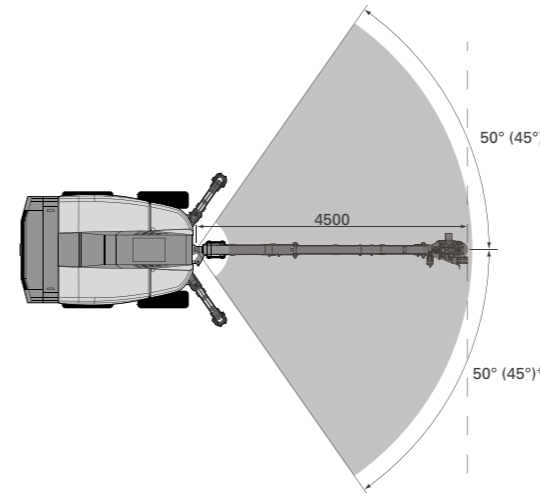
Standard unit excluding all options and drill steel	Metric	Imperial
FlexiROC T15 R	3 400 kg	6 950 lb



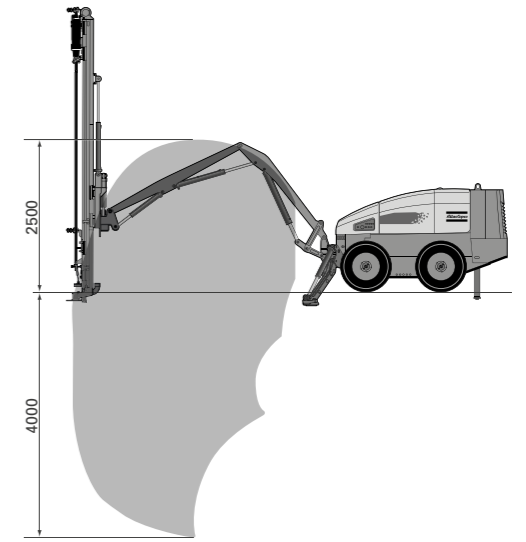
Alternative A: Normal position



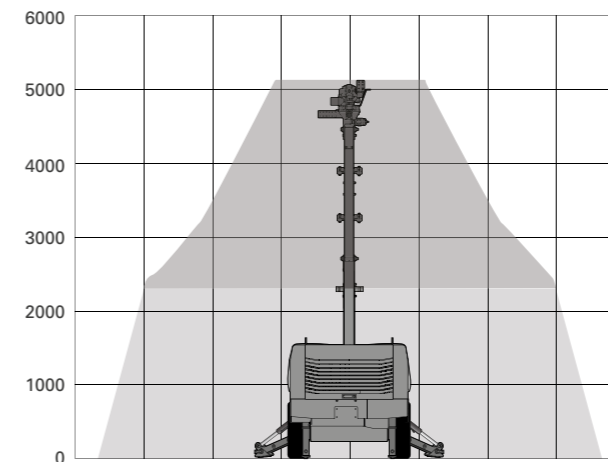
Alternative B: Re-pinning in steps of 45 degrees enabling drilling in 360 degrees



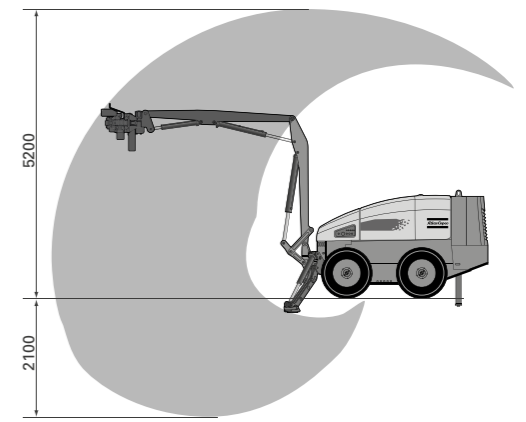
Horizontal reach (mm) *With hydraulic rollover



Vertical reach (mm)



Horizontal drilling, forwards (mm) ■ With hydraulic rollover



Horizontal drilling, sideways (mm)

OPTIONAL EQUIPMENT

Carrier

- Instrument panel light
- Diesel engine heater
- Hydraulic winch including wire with towing eye and wire guides
- Electric refuelling pump
- Chain tracks mounted on wheels
- Hydraulic outlet for auxiliary equipment with electrical on/off
- Operators display for rock drill control and diagnostic

Feed

- Hydraulic drill steel support
- Rapid feed pullback stop sensor
- Hydraulic rollover

Hole measuring systems

- Mechanical hole inclination instrument, ROC-Angie

Lube oil, lube system and water mist system

- Artic hydraulic oil, VG 32
- Tropical hydraulic oil, VG 68
- Biological hydraulic oil, VG 46

Delivered equipment, not mounted

- Gas charging equipment for rock drill
- First 50 hours service kit
- 1 set of extra manuals
- Lubrication kit (grease and COP oil)

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

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