

FlexiROC T30 R Construction Edition

Surface drill rig for quarrying and construction

Hole diameter: 45–89 mm (1.75"–3.5")



Extend your reach and versatility

The FlexiROC T30 R Construction Edition is a tophammer rig designed for a wide range of drilling applications.

With Radio Remote Control, self-adjusting RPM and an extensive boom reach, the FlexiROC T30 R Construction Edition is versatile and extremely efficient. Powerful enough to drill into very hard rock. The rig's compact size means it can easily be transported from job to job – allowing you to maximize on the availability of your investment.



⊕ Main benefits

Excellent rig stability means operator safety and productivity

Application versatility thanks to the COP 1640+ rock drill

Extensive boom reach means fewer set ups



Availability at your fingertips

With great boom coverage that lets you drill more holes per set-up, the FlexiROC T30 R Construction Edition delivers true productivity. It is all in your hands with the 2.4 Ghz bluetooth Radio Remote Control.



+ Great reach and productivity

With its extensive boom reach, the FlexiROC T30 R Construction Edition offers contractors savings in both time and money. Boom reach of 5 300 mm (with RAS or RHS) through an 80° radius translates into more holes from fewer set-ups. This versatility makes the FlexiROC T30 R Construction Edition an ideal choice for demanding construction jobs, such as road construction and foundation drilling.



+ Reliable and efficient

The FlexiROC T30 R Construction Edition meets stringent Tier 4 Final engine emissions standards. Self-adjusting RPM ensure great efficiency and low diesel consumption. FlexiROC T30 R Construction Edition is equipped with the COP Logic system, which automatically adjusts impact and drill feed pressure to ensure optimal performance and increased service life of rock drilling tools.



+ Safer than ever

The FlexiROC T30 R Construction Edition excels even in difficult terrain where its low center of gravity provide rugged mobility in all conditions. With Radio Remote Control as standard, the operator has full control over tramming and drilling while working at a safe distance from the rig – ideal for sites with limited access or unstable terrain. The FlexiROC T30 R Construction Edition can also be equipped with a hydraulic winch for secure anchoring on extreme slopes.



A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity – wherever you are.

Technical specifications

Main components

- Crawler type two speed undercarriage with track oscillation system
 - Cummins turbo charged diesel engine QSB4.5 Tier 4 Final
 - Atlas Copco screw type compressor
 - Folding boom system
- Hydraulic rock drills COP 1840+, COP 1640+
 - Alternative Rod Handling Systems, RHS
 - Dust Collection System, DCT
 - Radio Remote Control system with integrated display

Hole range (recommended)

| With Rod Adding System (RAS) or Rod Handling System (RHS) with 3.6 m (12') rods and 4.3 m (14') starter rod | Threads | Metric | US | Metric | US |
|---|--------------------------|------------|--------------|-----------------------------|------------------------|
| Extra long folding boom | R32, T35, TC35, T38, T45 | Ø 45–89 mm | Ø 1.75"–3.5" | 7.4 m (RAS) 14.8 m (RHS) | 24' (RAS) 48' (RHS) |

Engine

| Cummins turbo charged, diesel engine, QSB4.5, Tier 4 Final | |
|--|---------------|
| Power rating at 2000 rpm | 116 kW/155 hp |
| Electronic variable engine speed | 870–2 030 rpm |
| Variable fan control | |
| Green saver – automatic low engine speed | |

Compressor

| Folding boom: Atlas Copco OIS, screw compressor | Metric | US |
|--|---------|---------|
| Working pressure, max | 8.5 bar | 123 psi |
| FAD, at normal working pressure | 95 l/s | 201 cfm |
| Extra long folding boom: Atlas Copco OIS, screw compressor | | |
| Working pressure, max | 8.5 bar | 123 psi |
| FAD, at normal working pressure | 80 l/s | 170 cfm |

Hydraulic rock drill

| Rock drill | Boom type | Impact power | | Hydraulic pressure, max | | Impact rate | RPM, max | Torque, max | | Weight approx | |
|------------|-------------------------|--------------|---------|-------------------------|-----------|-------------|----------|-------------|--------------|---------------|--------|
| COP 1640+ | Extra long folding boom | 16 kW | 22.0 hp | 200 bar | 2 900 psi | 60 Hz | 215 | 1 070 Nm | 789 lbf/ft | 193 kg | 425 lb |
| | | | | | | | 135 | 1 550 Nm | 1 143 lbf/ft | | |

Electrical system

| | |
|---------------------------------------|------------------|
| Voltage | 24 V |
| Batteries | 2 x 12 V, 185 Ah |
| Alternator | 24 V, 70 Ah |
| Work lights, front | 2 x 70 W halogen |
| Work lights, rear | 2 x 70 W halogen |
| Work lights, feed | 2 x 70 W |
| Display with diagnostics and settings | |

Hydraulic system

| | | |
|---|----------------|-------|
| Anti-jamming | | |
| Rotation Pressure Control feed RPC-F | | |
| Damper Pressure Control - impact DPC-I | | |
| Return and drainage filters F (filtration rate) | 16 µm absolute | |
| Hydraulic oil cooler max ambient temperature | 50°C | 122°F |

Dust collector DCT

| | Metric | US |
|-----------------------------------|------------|------------------|
| Filter area | 8 m² | 86 sq.ft |
| Suction capacity at 500 mm wg | 580 l/s | 1 228 cfm |
| Suction hose diameter | 102/127 mm | 4/5" |
| Cleaning air pressure, max | 7.5 bar | 109 psi |
| Cleaning air consumption at 7 bar | 15 l/pulse | 0.53 cu.ft/pulse |
| Filter cleaning while drilling | | |
| 2 pcs of filter elements | | |

Feed

| | Extra long folding boom** | |
|--------------------|---------------------------|-----------|
| | Metric | US |
| Total length | 6 000 mm | 236" |
| Travel length | 4 070 mm | 160" |
| Feed extension | 1 000 mm | 39" |
| Feed rate, max | 0.9 m/s | 3 ft/min |
| Feed force, max | 12 kN | 2 697 lbf |
| Tractive pull, max | 15 kN | 3 372 lbf |

* Hydraulic aluminium cylinder feed with hose guide and double drill steel support with moveable lower guide/dust hood.
** Hydraulic aluminium cylinder feed with hose guide and single drill steel support with moveable lower guide/dust hood.

Volumes

| | Metric | US |
|--------------------------|--------|----------|
| Hydraulic oil tank | 200 l | 52.8 gal |
| Hydraulic system, total | 250 l | 66.0 gal |
| Compressor oil | 20 l | 5.3 gal |
| Diesel engine oil | 11 l | 2.9 gal |
| Diesel engine, fuel tank | 270 l | 71.3 gal |
| Traction gear | 3 l | 0.8 gal |
| Lubrication tank (ECL) | 10 l | 2.6 gal |
| AdBlue | 15 l | 4.0 gal |

Technical specifications



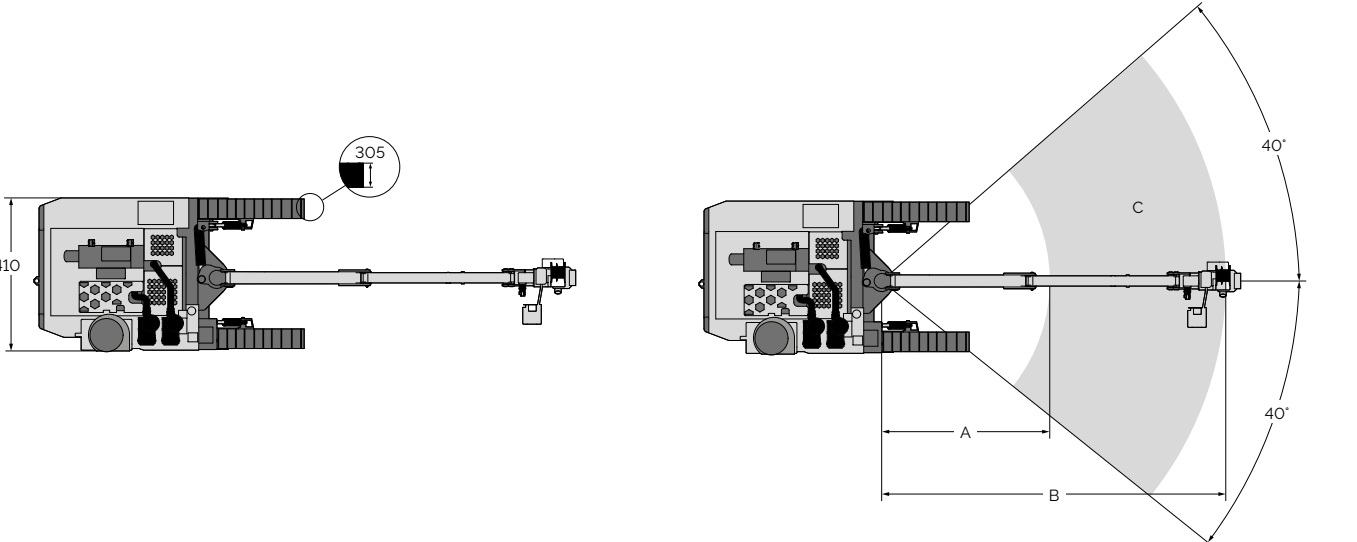
Height and length

| Extra long folding boom | | |
|-------------------------|----------|------|
| Height (H) | 2 950 mm | 116" |
| Length (L) | 9 200 mm | 362" |

*Boom folded

Feed height (H)

| | Metric | US |
|-------------------------|----------|------|
| Extra long folding boom | 6 200 mm | 244" |



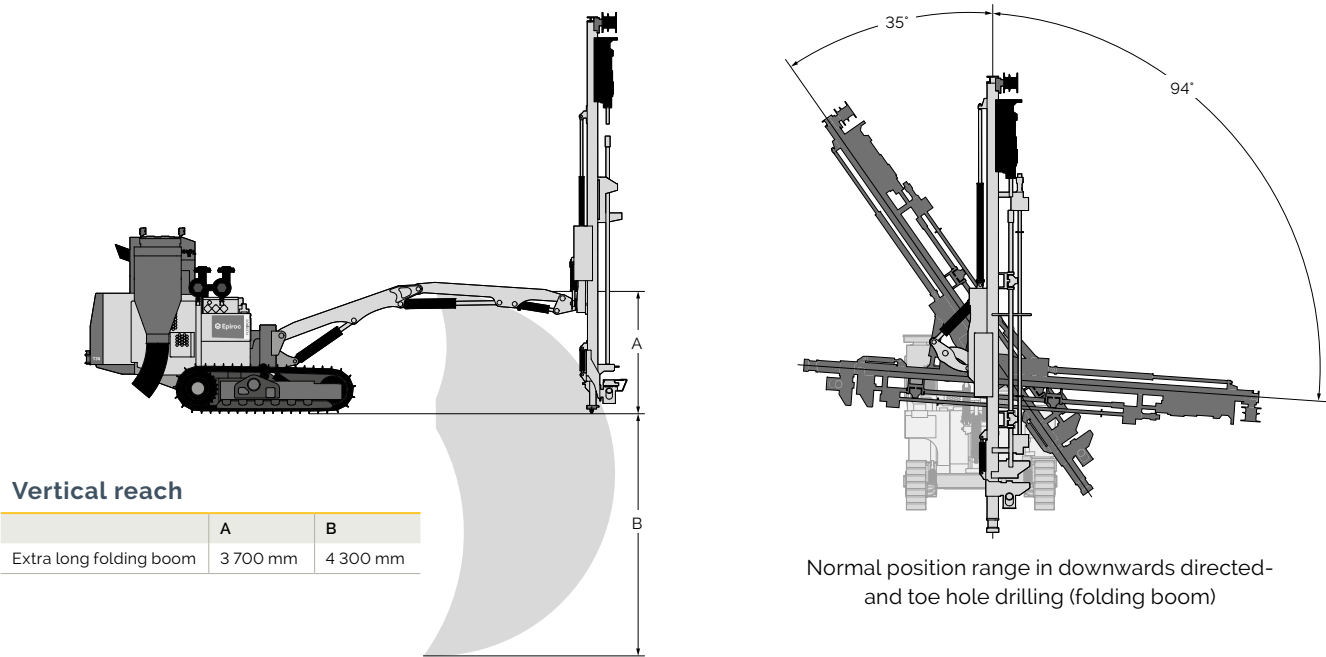
Weight

| Standard unit excluding all options and drill steel | Metric | US |
|---|-----------|-----------|
| Extra long folding boom | 10 000 kg | 22 050 lb |

Horizontal reach and coverage area

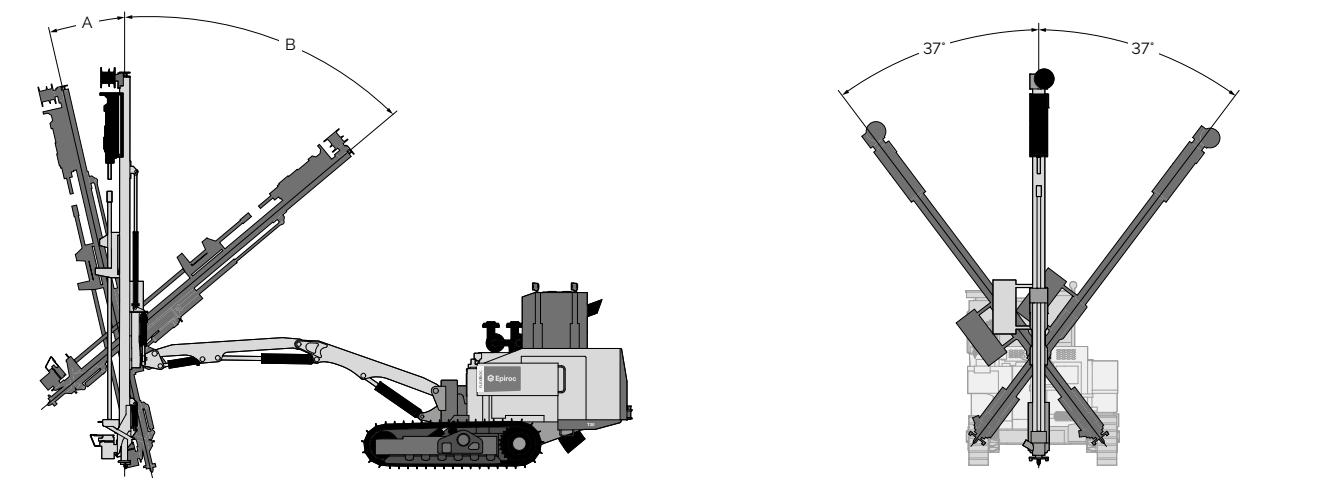
| | A | B | C |
|-------------------------|----------|----------|-------|
| Extra long folding boom | 2 600 mm | 5 300 mm | 15 m² |

Technical specifications



Vertical reach

| | A | B |
|-------------------------|----------|----------|
| Extra long folding boom | 3 700 mm | 4 300 mm |



Dumping angles

| | A | B |
|-------------------------|-----|-----|
| Extra long folding boom | 13° | 50° |

Selection of options

Carrier

- Hydraulic support leg
- Hydraulic winch.
- Cold start kit (-25 °C)
- Diesel engine pre-heater
- Extra LED work lights

Feed

- Silence Kit for reduced noise levels
- Jaw set for R32/T38 sleeves for RAS arm
- Jaw set for T45 sleeves for RAS arm
- Rod rack with a capacity of three 3 660 mm (12') rods (option on extra long folding boom only in combination with RAS)
- Rod Handling System with a capacity of three 3 660 mm (12') rods for extra long folding boom

Hole measuring systems

- Mechanical hole inclination instrument – ROCANGIE
- Electronic hole inclination instrument with depth/sight/laser and auto feed alignment
- GPS aiming device

Lube oil and lube system

- Thread greasing devise, type ECG (with oil)
- Central lubrication system
- Tropical hydraulic oil, ISO VG 68
- Artic hydraulic oil, ISO VG 32
- Environmentally conformed hydraulic oil, ISO VG 46
- ECL collection system

Dust control

- Rubber disc for dust collector hood
- Rubber skirt for dust collector hood
- Water mist system including tank

Delivered equipment, not mounted

- Gas charging equipment for rock drill
- Conversion kit R32
- Conversion kit T38
- Conversion kit T45
- Conversion kit T35/TC35

United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward.

Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.

epiroc.com

