

FlexiROC T35 and T40

Surface drill rigs for quarrying and construction

FlexiROC T35 hole diameter: 64–115 mm (2.5"–4.5")

FlexiROC T40 hole diameter: 64–127 mm (2.5"–5")



Flexible rigs for all occasions

For efficient and flexible production: our FlexiROC T35 and FlexiROC T40 are hard to beat in the quarry or on the construction site.

FlexiROC T35 and FlexiROC T40 are flexible and versatile tophammer drill rigs, developed and designed for high performance in demanding construction applications. They are also a very efficient alternative for small and medium size quarrying. Even in tough terrain conditions, utilization of the rigs is high, thanks to the long reach of the boom and the low center of gravity. They are equipped with a high-efficiency Epiroc rock drill with high output and productivity.



⊕ Main benefits

Optimal use of rock drill and increased tool life thanks to a cylinder-operated feed system

Long boom reach is ideal for demanding construction jobs

Supreme productivity thanks to proven COP rock drill series

Tough and dependable

These rigs are built Epiroc solid. Thanks to a high degree of commonality with other Epiroc surface drill rigs and a world-wide service network, spare parts and consumables are there when you need them to ensure continuous uptime and great performance.



+ Flexible and efficient rock drill

COP rock drill has an easy changeable stroke setting that makes it easy to change the frequency of the rock drill so it drills efficiently in different rock conditions. This together with its double dampening system makes it a highly efficient machine in different kinds of rock. The double dampening system also minimizes the wear of the drill strings which reduces cost.



+ Proven design

FlexiROC T35 and FlexiROC T40 have a validated design since they are based on the well-proven designs from earlier generations of drill rigs. These rigs have provided sustainable results under many years and they have satisfied customers all around the globe.



+ Safety

The ROPS and FOPS approved cabins provide both comfort and safety. Reliable and fast rod handling makes work go fast and smooth and a rigid drill rod support decreases hole deviation for more accurate and higher quality holes. Maintenance is convenient as well, thanks to an efficient design. When there's work to be done, your FlexiROC T35 and FlexiROC T40 will deliver.

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

- Track frames with single grouser pads and cleaning holes .
- Hydraulic track oscillation and two speed traction.
- Atlas Copco screw type compressor
- Operator's cabin, ROPS and FOPS approved.
- LED work lights.
- Folding boom system.
- Aluminum profile feed beam
- Hydraulic cylinder feed system
- Carousel type rod handling system, 1 + 7 rods.
- Hydraulic rock drill.
- Dust collection system.
- Dust pre separator.
- Double hydraulic drill rod support with movable down support.
- Service lamp inside canopy.
- Rock drill oil collecting system.
- Rubber skirt for DCT.
- COP Logic.

Hole range (recommended)

	Thread	Metric	US
FlexiROC T35 & T35-LF	T38, T45, T51	64-115 mm	2.5"-4.5"
FlexiROC T40	T45, T51	64-127 mm	2.5"-5"

Hydraulic rod handling system for max hole length, with 3,6 m (12') ext. rods

	Thread	Metric	US
FlexiROC T35	T38, T45, T51	28 m	92'
FlexiROC T40	T38, T45, T51	28 m	92'

Hydraulic rod adding system for max hole length, with 6,1 m + 4,2 m (20' + 14')

	Thread	Metric	US
FlexiROC T35 -LF	T38, T45, T51	10 m	33'

Engine

Caterpillar turbo charged, diesel engine, CAT C71, 3/EU Stage IIIA and Tier 4 Final/EU stage IV with AdBlue	168 kW (225 HP)
Power rating at 2200 rpm	

Hydraulic system

Return and drainage filters (filtration rate)	16 µm absolute
Hydraulic oil cooler max ambient temperature	50°C (122°F)

Hydraulic Rock drill

Rock drill	Drill rig	Hole diameter	Impact power	Hydraulic pressure, max	Impact rate, max	Torque, max	Weight approx					
COP SC19	FlexiROC T35	Ø 64-115 mm	Ø 2.5"-4.5"	19 kW	25.5 hp	230 bar	3 336 psi	42-50 Hz	1 970 Nm	1 453 lbf/ft	174 kg	384 lb
COP SC19X											226 kg	498 lb
COP SC25-HF	FlexiROC T35 FlexiROC T40	Ø 64-89 mm	Ø 2.5"-3.5"	25 kW	33.5 hp	240 bar	3 481 psi	55-71 Hz	1 550 Nm	1 143 lbf/ft	184 kg	405.6 lb
COP SC25X-HF											244 kg	538 lb
COP SC25-HE	FlexiROC T40	Ø 76-127 mm	Ø 3"-5"	25 kW	33.5 hp	200 bar	2 900 psi	44-55 Hz	1 970 Nm	1 453 lbf/ft	195 kg	430 lb
COP SC25X-HE											249 kg	549 lb

Feed

	FlexiROC T35		FlexiROC T35-LF		FlexiROC T40	
	Metric	US	Metric	US	Metric	US
Feed extension	1 400 mm	55"	1 400 mm	55"	1 400 mm	55"
Feed rate, max	0.92 m/s	184 ft/min	0.92 m/s	184 ft/min	0.92 m/s	184 ft/min
Feed force, max	20 kN	4 400 lbf	20 kN	4 400 lbf	20 kN	4 400 lbf
Tractive pull, max	20 kN	4 400 lbf	20 kN	4 400 lbf	20 kN	4 400 lbf
Total length	7 140 mm	281"	8 240 mm	325"	7 140 mm	281"
Travel length	4 240 mm	167"	8 670 mm	341"	4 240 mm	167"

Compressor

Atlas Copco OIS K-36-C111GD, screw compressor	FlexiROC T35		FlexiROC T35-LF		FlexiROC T40	
	Metric	US	Metric	US	Metric	US
Working pressure, max	10.5 bar	152 psi	10.5 bar	152 psi	10.5 bar	152 psi
FAD, at normal working pressure	127 l/s	270 cfm	127 l/s	270 cfm	149 l/s	316 cfm

Volumes

	Metric	US
Hydraulic oil tank	250 l	65.0 gal
Hydraulic system, total	300 l	79.0 gal
Compressor oil	24 l	6.3 gal
Diesel engine oil	28 l	7.4 gal
Diesel engine, cooling water	35 l	9.2 gal
Diesel engine, fuel tank	370 l	98.0 gal
Traction gear	3 l	0.8 gal
Lubrication tank (ECL)	10 l	2.6 gal

Electrical system

Voltage	24 V
Batteries	2 x 12 V, 185 Ah
Alternator	28 V, 95 Ah
Work lights, front	4 x 70 W
Work lights, rear	2 x 70 W
Work lights, feed	2 x 70 W
Warning lamp and reverse buzzer	

Dust collector DCT 110

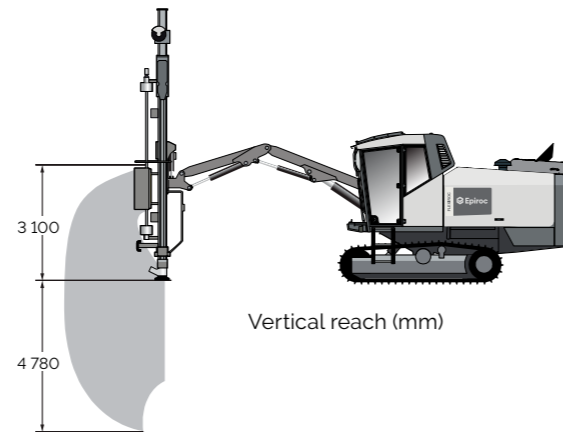
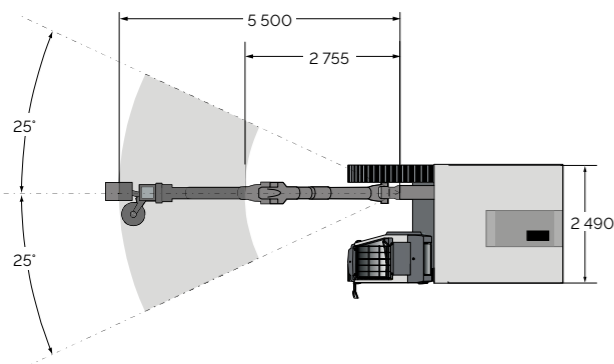
	Metric	US
Filter area	11 m²	118 sq.ft
Suction capacity at 500 mm wg	560 l/s	1 200 cfm
Suction hose diam	127 mm	5"
Cleaning air pressure, max	7.5 bar	109 psi
Cleaning air consumption	2-4 l/pulse	0.06-0.12 cu.ft/pulse
Number of filter elements	11 pcs	

Technical specifications

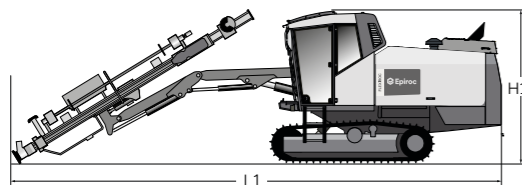


Safety cabin

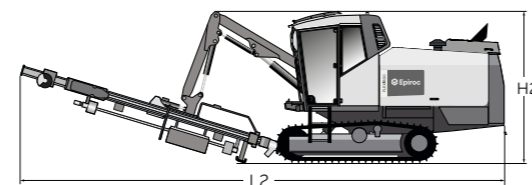
- ROPS and FOPS approved with rubber vibration dampers
- 2 x wipers with washer
- Clear laminated glass (10 mm front and roof windows)
- Fully adjustable operator's seat
- Cabin light
- Rig inclination indicator
- Rear view mirror
- Fire extinguisher, 6 kg (13 lbs) dry chemical type ABE class III type
- Outlet socket, 24 V
- Clear laminated glass (8 mm side window)
- Prepared with speakers for CD-radio or DVD radio
- Clear toughened glass (8mm rear window)
- Combined front mounted platform/tool box
- Electrical heated chair
- Cab heating



Vertical reach (mm)



Feed dumped 1

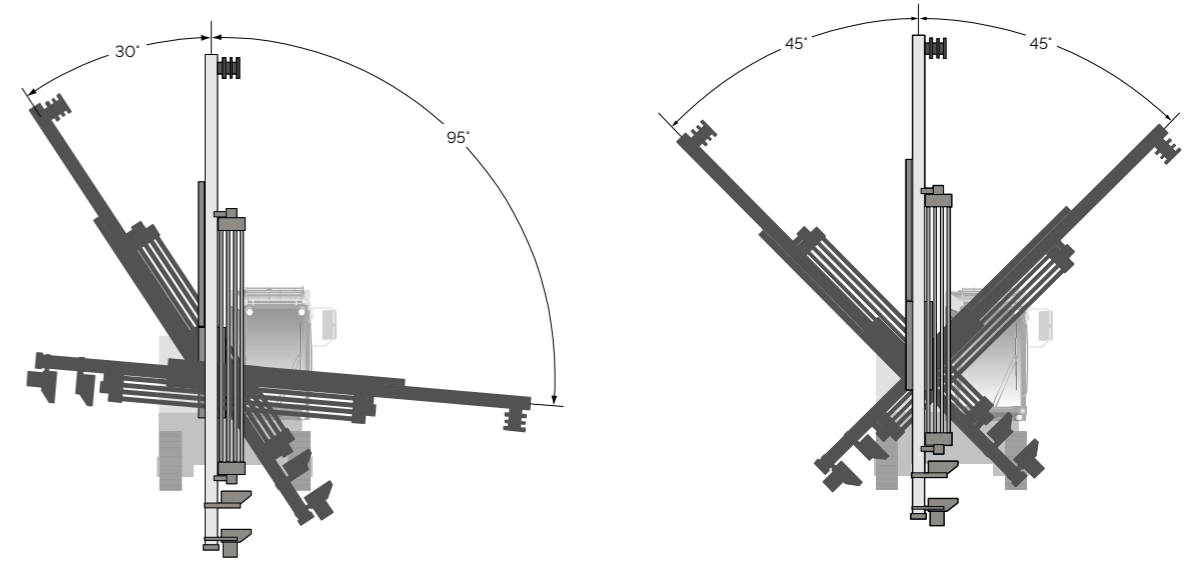


Feed dumped 2

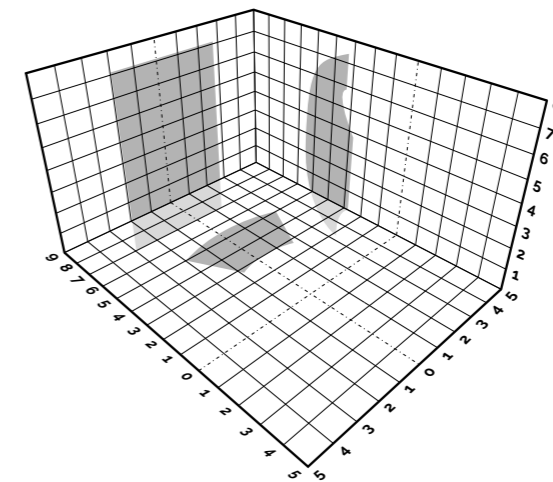
Transport dimensions & weight

	FlexiROC T35		FlexiROC T40		FlexiROC T35 -LF	
	Metric	US	Metric	US	Metric	US
Weight	15 500 kg	34 170 lbs	15 500 kg	34 170 lbs	15 350 kg	33 840 lbs
Feed dumped 1						
Height, (H1)	3 200 mm	126"	3 200 mm	126"	3 250 mm	128"
Length, (L1)	11 600 mm	457"	11 600 mm	457"	12 200 mm	480.5"
Feed dumped 2						
Height, (H2)	3 500 mm	138"	3 500 mm	138"	3 500 mm	138"
Length, (L2)	11 000 mm	433"	11 000 mm	433"	11 970 mm	471"

Technical specifications



FlexiROC T35 -LF



3D coverage area

Selection of options

Cabin

- Window panes: Laminated 24 mm clear front, 10 mm roof and 8 mm tinted side - toughened 8 mm rear
- Tinted 10 mm roof window
- Window wiper, right hand window
- Sun shade kit (rear side, rear windows and roof)
- Reverse camera with cab mounted display
- Radio with CD player
- Camera for support leg

Carrier

- Hydraulic support leg
- Hydraulic winch including wire with towing eye and wire guides
- Diesel-driven engine heater
- Electric fuel filling system
- Tow hook
- Track chains with triple grouser pads
- Rubber disc for DCT
- PAR oil M & S

- Central lubrication system
- Tool box left rear side
- Extra air outlet on front of the carrier
- Xenon work lights
- Air flow switch

Feed

- Protective guard, according to EN16228
- Bigger Dowel with big plate to avoid sinking in soft ground
- TDS guide tube guides for drill rod support:
 - TDS 56 for 56 mm guide tube
 - TDS 64 for 64 mm guide tube
 - TDS 76 for 76 mm guide tube
 - TDS 87 for 87 mm guide tube
- Support bracket RHS carousel
- Thread greasing device ECG (with oil)
- Thread greasing device, brush type (with grease)
- Sleeve retainer

Water system

- Complete water mist system 120 l tank

Hole and inclination systems

- Hole inclination/depth instrument HQS11
- Laser plane receiver for hole depth HQS12
- GPS compass aiming unit
- Mechanical hole inclination instrument ROC angle

Parts and Services

- COP Care
- ROC Care

Optional equipment not mounted

- Gas charging equipment for rock drill
- First 50 hours service kit for compressor
- Lubrication system
- Conversion kit T45
- Conversion kit T51



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

