

PowerROC T25

Surface drill rig for construction and civil engineering projects,
small aggregate and limestone quarrying.
Hole diameter: 51–89 mm (2"–3.5")





Your path to success

The PowerROC T25 utilizes a well-proven design. It is well suited for construction and civil engineering applications, as well as in small aggregate and limestone quarries.

Thanks to the RD 14UP rock drill and high FAD compressor, this compact workhorse is powerful enough to meet your demands. This rig has the flexibility you need for small aggregate quarries, construction

sites, trench drilling operations, and housing foundations. If you run a small operation, this rig stands ready to be a reliable and dependable business partner.

+ Main benefits

Lower fuel consumption due to variable load sensing system and optimized drilling parameters.

Improved operator comfort with an ergonomically optimized cabin and a 12-inch touchscreen display.

Reduced operating cost thanks to smarter power management, durable design and longer service intervals.

Straightforward and simple

With a straightforward and robust design, the PowerROC T25 ensures high reliability and good accessibility. Our global service network provides you with a quick response no matter where you are.



+ More work – less hassle

The straightforward design ensures ease of operation and maintenance. Epiroc developed PowerROC control system with efficient hydraulic management for better component life cycle. PowerROC control system improves efficiency. It's easy for trouble shooting. RHS is an added advantage with different starter rods to meet desired depth in one go. Thanks to its high ground clearance and compact design, the PowerROC T25 is very maneuverable, even in rough conditions.



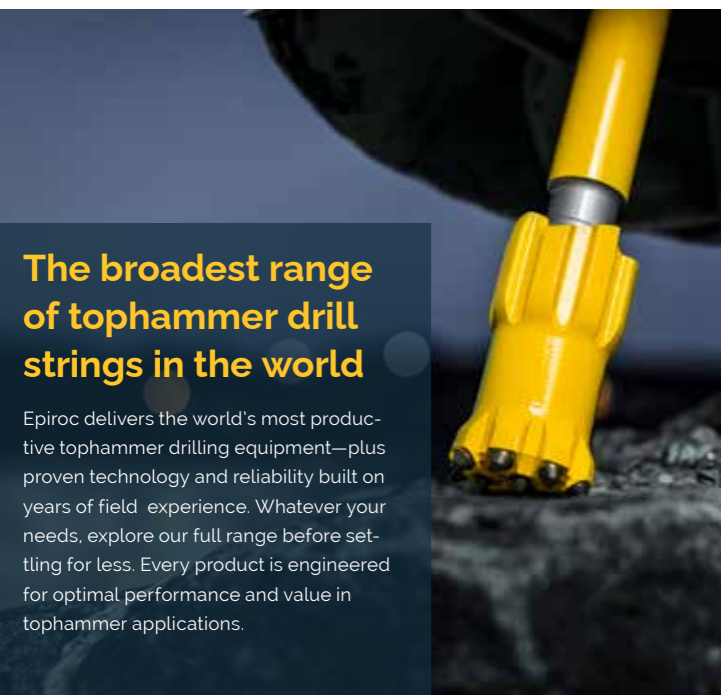
+ Reduced environmental footprint

We care about the environment both inside and outside the operator cabin. The Volvo Stage 5 / Tier 4 Final / Tier 3 engine with the PowerROC control system ensures great fuel efficiency without compromising production. Inside the FOPS and ROPS-certified cabin, a large glass area provides good visibility over the complete drilling process.



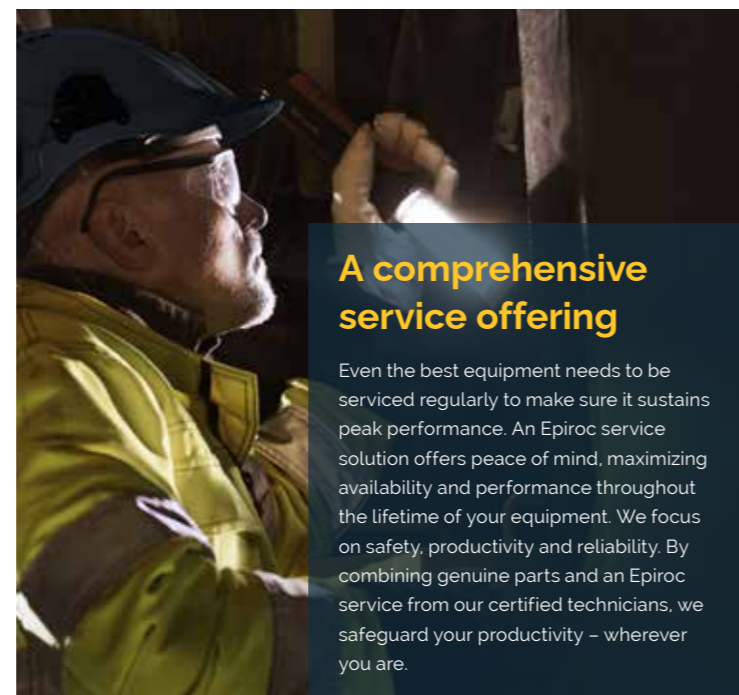
+ Strengthen your bottom line

The PowerROC T25 is engineered and designed to help your operation succeed. Its efficient RD 14UP rock drill is a simple, solid unit which is easy to use and cost-effective to maintain. This reliable machine combines low maintenance, high penetration rate, and ease of operation which helps ensure that your business stays profitable.



The broadest range of topammer drill strings in the world

Epiroc delivers the world's most productive topammer drilling equipment—plus proven technology and reliability built on years of field experience. Whatever your needs, explore our full range before settling for less. Every product is engineered for optimal performance and value in topammer applications.



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, hydraulic track oscillation and two speed traction
- Tier 4 Final/Stage 5 diesel engine, Volvo TAD 581VE
- Tier 3 diesel engine, Volvo TAD 551VE
- Screw type air compressor
- FOPS and ROPS-certified cabin
- Standard boom system
- Hydraulic motor and chain driven steel feed system
- Carousel type rod handling system
- Hydraulic rock drill
- Dust collection system

Engine

Volvo turbo charged, Tier 3 diesel engine TAD 551VE	Metric	US
Power rating at 2200 rpm	129 kW	173 hp
Volvo turbo charged, Tier 4 Final/Stage 5 diesel engine TAD 581VE	Metric	US
Power rating at 2300 rpm	129 kW	173 hp

Compressor

Atlas Copco, screw type air compressor	Metric	US
Working pressure, max	8.8 bar	128 psi
FAD, at normal working pressure	106 l/s (6.3 m ³ /min)	225 cfm

Hydraulic system

Hydraulic oil cooler	Metric	US
Max ambient temperature	50°C	122°F

Volumes

	Metric	US
Hydraulic oil tank	160 l	42.26 US gal
Hydraulic system, total	250 l	66.04 US gal
Compressor oil	30 l	7.93 US gal
Diesel engine oil	20 l	4.22 US gal
Diesel engine, cooling water	36 l	9.5 US gal
Diesel engine, fuel tank	200 l	52.83 US gal
DEF fluid tank	39 l	10.3 US gal

Hydraulic rock drill

Rock drill	Impact power	Hydraulic pressure	Impact rate	Max torque	Weight approx
RD 14UP	14 kW (18.7 hp)	200 bar (2 900 psi)	3 000 bpm	1 060 Nm (781 lbf-ft)(06)	180 kg (396 lb)

Hole range (recommended)

Type of drilling	Feed type	Drill steel type	Drilling diameter	Max hole depth	Drill steel length
Single pass	Short feed	T38, T45	51-89 mm (2-3½')	3.1 m (10')	3 660 mm (12') x 1
				15.3 m (50')	3 050 mm (10') x 4
Extension drilling	Long feed	T38, T45	51-89 mm (2-3½')	3.7 m (12')	4 270 mm (14') x 1
				18.4 m (60')	3 660 mm (12') x 4

Dust collector

	Metric	US
Filter area	14.4 m ²	154sq.ft
Number of filter elements	6 pcs	6 pcs
Cleaning air pressure, max	4.0 bar	58 psi
Cleaning air volume	17 l/pulse	0.6 cu.ft/pulse

Electrical system

Voltage	24 V
Batteries	2 x 12 V, 96 Ah
Alternator	24 V, 70 A
Work lights, front	3 x 70 W
Work lights, rear	1 x 70 W
Warning lamp and reverse buzzer (Option)	

Feed

Hydraulic motor driven feed with hose reel with centralizer and slide hood	Metric	US
Feed extension	1 500 mm	59'
Feed rate, max	1.4 m/s	275 ft/min
Feed force, max	14.4 kN	3 237.24 lbf
Tractive pull, max	25.5 kN	5 732.62 lbf
Total length (long)	7 513 mm	295.7'
Total length (short)	6 953 mm	273.7'
Travel length (long)	4 302 mm	169.3'
Travel length (short)	3 790 mm	149.2'

Technical specifications

Hoses are cleverly managed. Percussion hoses are kept separate from other hoses. Visibility is also improved during RHS operations.

Comfortable FOPS and ROPS-certified cabin features with a 12-inch display which is easy to understand.

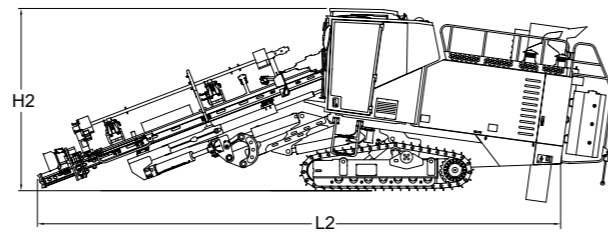
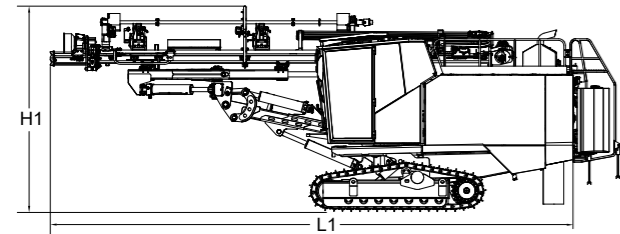
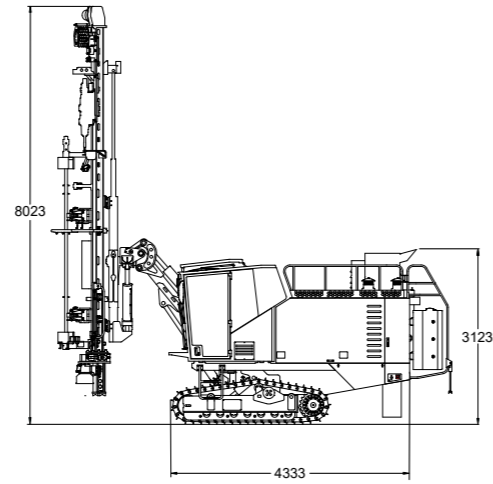
The rod handling is simple. It features a mechanical system. Epiroc PowerROC control system makes operation easy and fuel efficiency.

A high volume air compressor provides the RD 14UP rock drill with the power it needs.



Transport dimensions

	Metric	US
Height (H1)	3 381 mm	133.1'
Height (H2)	3 042 mm	119.7'
Length (L1)	8 500 mm	334.6'
Length (L2)	8 640 mm	340.1'
Width (W)	2 370 mm	93.3'
Weight (Tier 3)	11 200 kg	24 691 lb
Weight (Tier 4 Final/Stage 5)	11 300 kg	24 912 lb



Selection of options

Carrier

- Track chains with triple grouser pads
- Auto fire separation system
- Central lubrication system (CLS)

Safety cabin

- Warning light - BEACON type
- Media player (Radio included for Japan only)
- Driving mirror (R)
- Safety alarm light for hydraulic in low level
- Rear view camera system
- LED lamp kit
- Operator safety belt - 3 point contact with alarming
- Operator fatigue monitoring system

Dust control

- Dust pre-separator

Feed

- Sleeve retainer
- RHS for T38 SPEEDROD
- RHS for T38 with 55 mm coupling - 3.66 m rod
- RHS for T38 with 55 mm coupling - 3.05 m rod
- RHS for T45 SPEEDROD
- RHS for T45 with 63 mm coupling
- RHS for T45 with 66 mm coupling

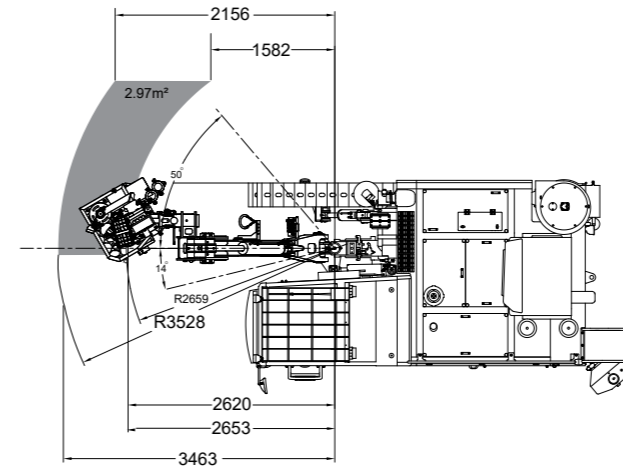
Lube oil and water mist system

- Rock drill oil separation system
- Water mist system (150 liters water tank)

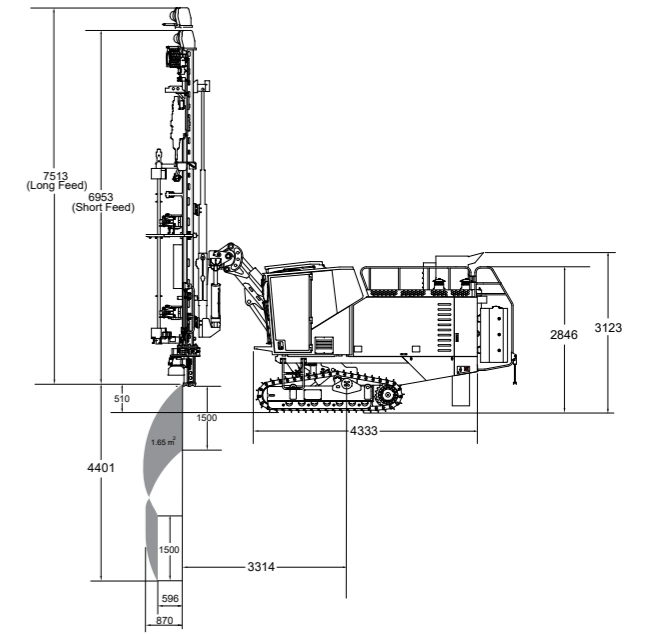
Delivered equipment, not mounted

- Gas charging equipment
- Tool set

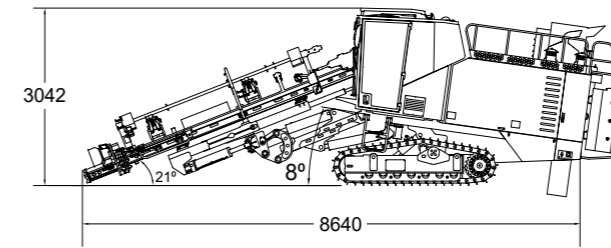
Technical specifications



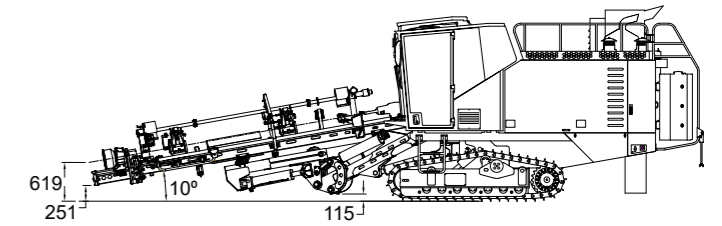
Horizontal reach (mm)



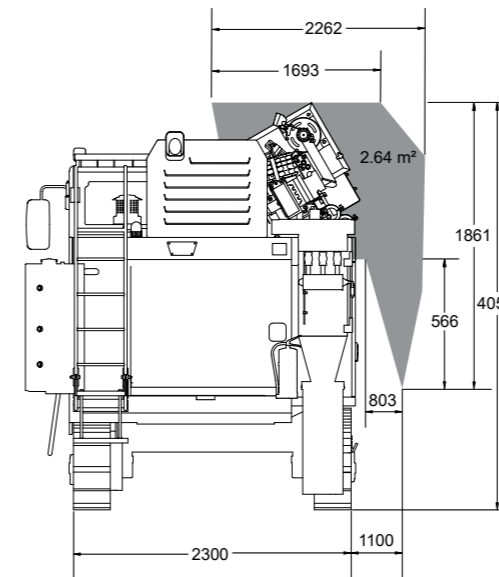
Vertical reach (mm)



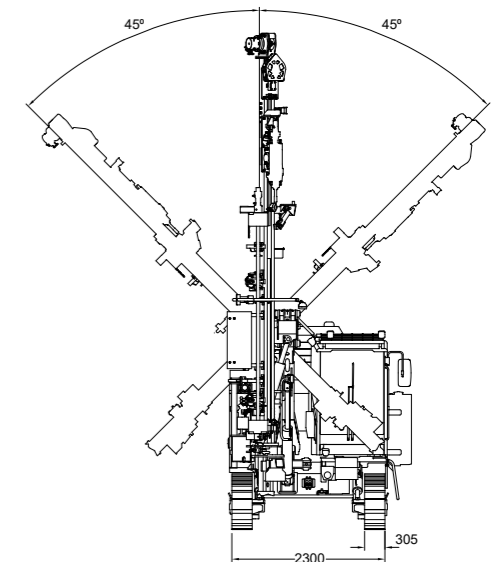
Transport (mm)



Front toe hole drilling (mm)



Front face drilling coverage area (mm)



Feed swing angle (mm)

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.
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