

# Cabletec SL

Fully mechanized cable bolting drill rig for  
low profile mining applications





# Quality assured cable bolting

A fully mechanized cable bolting drill rig for drilling and installation of cable bolts up to 6 m in length in low profile applications.

## ⊕ Main benefits

**Full mechanization** of the drilling, grouting and cable installation process

**Quality control** with automatic mixing for the cement grout and data recording functionality, ensuring the right mix every time

**Maneuverability and carrier commonality** thanks to the low profile design which complements other low profile equipment like Boomer S1 L which is built on the same carrier



Ultra short COP 628 rock drill allows a reduced total feed length needed for low profile operations.



The machine has 150 kg of dry cement and approximately 150 m of 15.2 mm diameter bolting cable storage capacity.



Cabletec SL drills a hole diameter of 38 mm using fully mechanized extension drilling up to 6 m hole depth.



# Where quality and safety meet

Safety and quality of cable bolt installation is our focus. The Cabletec SL is designed with a range of standard and optional features that ensure these goals are met.



## + Safety

Due to the fully mechanized design of the Cabletec SL, all operations are performed from within the operator station. Exposure of the operator to heavy lifting, unsafe ground, and other hazards are significantly reduced.



## + Quality

Both drilling and grout mixing quality are assured with the Cabletec SL. Load cells and programmable mixing ratios will guarantee the correct grout consistency that is required to achieve the necessary load transfer from the rock mass to the bolting cable. Quality assured.



## + Control system

The Cabletec SL control system features a radio remote operator module. The system also includes logging functionality that makes available all relevant drilling and cable bolting data for later analysis and quality control reviews.



## A comprehensive service offering

Even the best equipment needs to be regularly serviced to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, minimizing down-time and maximizing availability through-out the lifetime of your equipment. We focus on productivity, reliability and safety. With over 3 300 certified technicians located in over 80 countries we are committed to support you anytime, anywhere.

## Technical specifications

● - Standard ○ - Option

### Rock drill/Drilling system

COP 628 - SR25/05 rock drill	●
SR25 MF speed rods x 7 (860mm long)	●
Rock drill lubrication warning kit	●
Thread lubrication kit	○
Hole blowing kit	●

### Boom

Feed dump, drilling +25° forward and -45° backward	
Boom rotation +/- 90°	
Boom extension 1 250 mm	
BUT 32 - Cabletec SL	●
Auto boom lubrication kit, rear part of boom	○

### Bolting unit

LBU Cabletec - Integrated drilling, grout/cable unit	●
Grout hose diameter, inner 24 mm/outer 28 mm	●
Cable and hose feeder with cable cutter and bending unit	●
Cable roll for cable bolting, 15.2 mm diam multi-strand cable, 775 m roll	○

### Hydraulic system

Low oil level indicator	●
Oil temperature meter	●
Filtration 16 µm	●
Oil filter indicator	●
Mineral hydraulic oil	●
Electric oil filling pump	●
Water/oil cooler in stainless steel	●
Ni-Cr plated piston rods for hydraulic cylinders	○

### Control system

Rig Control System (RCS)	●
Drill Stop Protection system (required for CE)	○

### Air/water system

Compressor: Atlas Copco GAR5	
Water booster pump capacity at 12 bar, 66 l/min	
Minimum water inlet pressure 2 bar	
Water booster pump on board	●
Manual lubrication kit (pneumatic)	○
Dual controls for cable reel	●
Hose/cable guiding at cable reel	●
Low pressure rig washing kit with hose and reel	○
Boot washing arrangement	○

### Protective roof

Outlet for communication radio, 12 V	●
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### Electrical system

Total installed power 59 kW	●
Main motor 55 kW	●
Voltage 380-1 000 V	●
Frequency 50 Hz	○
Frequency 60 Hz	○
Soft start (380-690 V)	○
Electronic overload protection for electric motors	●
Digital volt/ampere meter in electrical cabinet	●
Phase sequence and earth fault indicator	●
Battery charger	●
Cable reel with limiting switch	●
PC4 or PC5 plug/socket	○
Electrical outlet, main voltage	○

### Carrier

Deutz 4-cylinder, TD 2011 L04 diesel engine, Stage IIIA / Tier 3	●
Power rating at 2 600 rpm: 55 kW (73 hp)	●
Articulated steering: ±41° steering angle	●
Fixed seat for tramping	●
Four-wheel drive	●
Hydrostatic transmission	●
Front axle: Dana 112	●
Rear axle: Dana 112, ±6° oscillation	●
Tires: 10xR15	●
Clearance outside axles: 12" rear	●
Hydraulic jacks, front: 2 extendable	●
Hydraulic jacks, rear: 2	●
Service brakes: 2 separate circuits	●
Emergency and parking brakes: SAHR	●
Fuel tank, volume: 60 l	●
Exhaust catalyser	●
Silencer	●
Electric system: 24 V	●
Batteries: 2x12 V, 70 Ah	●
Tramping lights: 4x70 W	●
Working lights: 6x200 W, 230 V	●
Brake lights	●
Fire extinguisher	●
Central lubrication system	●
Spirit level	●
Gradeability at max. load on drive wheels: 1:4	●
Horn, beacon and reverse alarm	●
Warning stripes	●
Fire suppression system ANSUL (manual release)	○
Fire suppression system ANSUL (checkfire auto-release)	○

# Technical specifications

● - Standard ○ - Option

## Cement grouting system

Cement mixer, capacity 30 kg mix per batch
Cement silo, max load dry cement 150 kg
Logging of accumulated cement consumption
Water/cement ratio preprogrammed recipes
Cement hose feeding depth measurement
Preprogrammed cleaning sequences
Form oil kit - manual spray kit ○

## Dimensions

Width, transport	2 407 mm
Rig height with canopy (extended)	1 700 mm
Rig height with cabin	N/A
Length	10 800 mm
Ground clearance	296 mm
Turning radius outer/inner	5 600/2 850 mm

## Weight

Total	13 600 kg
Boom side	7 400 kg
Engine side	6 200 kg

## Tramming speed

On flat ground (Rolling resistance 0.05)	>15 km/h
On incline 1:8	>15 km/h

## Recommended cable sizes and lengths

Voltage	Dimension, mm <sup>2</sup>	Diameter, mm	Length, m
380-440 V	3x50+3 G10+2x1.5	32	80
500-1 000 V	3x35+3 G6+2x1.5	28	90

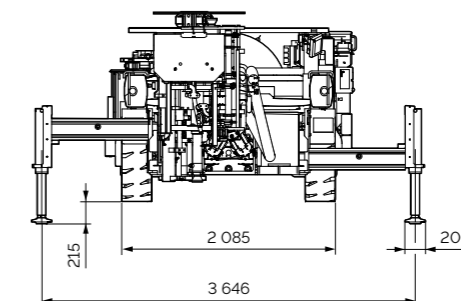
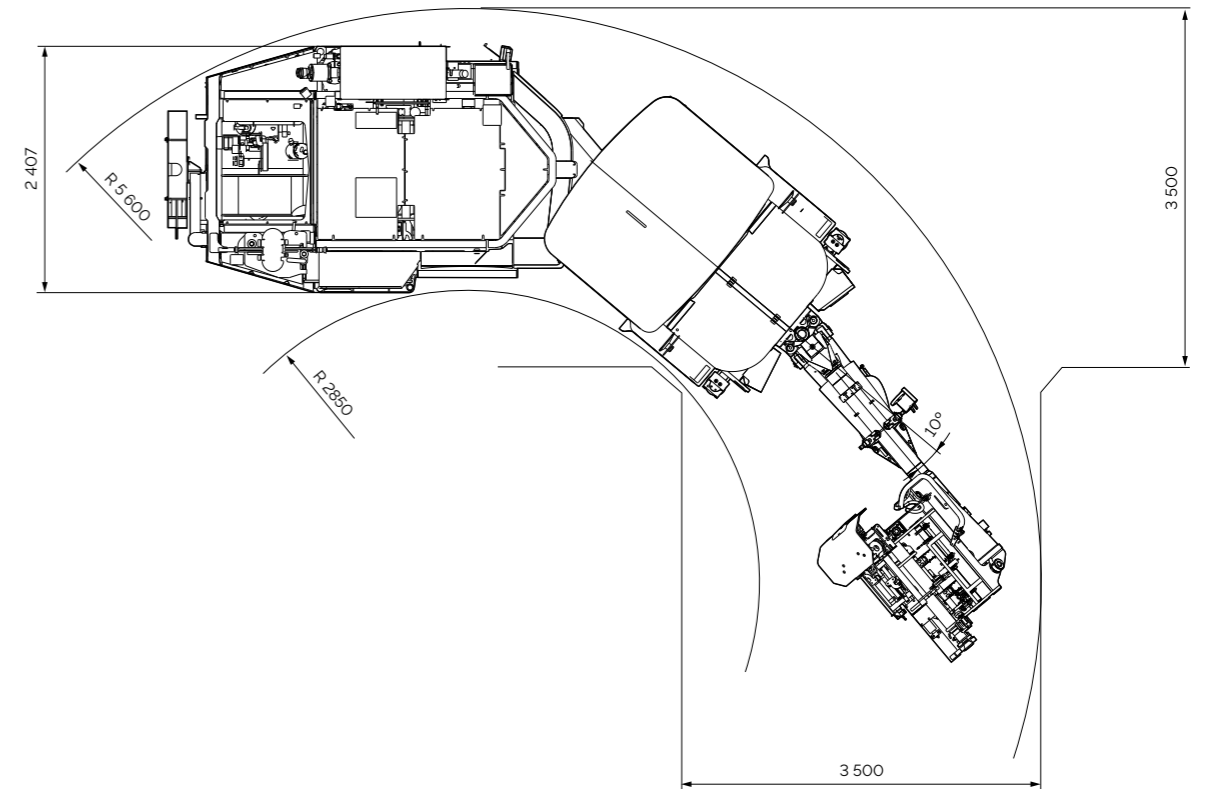
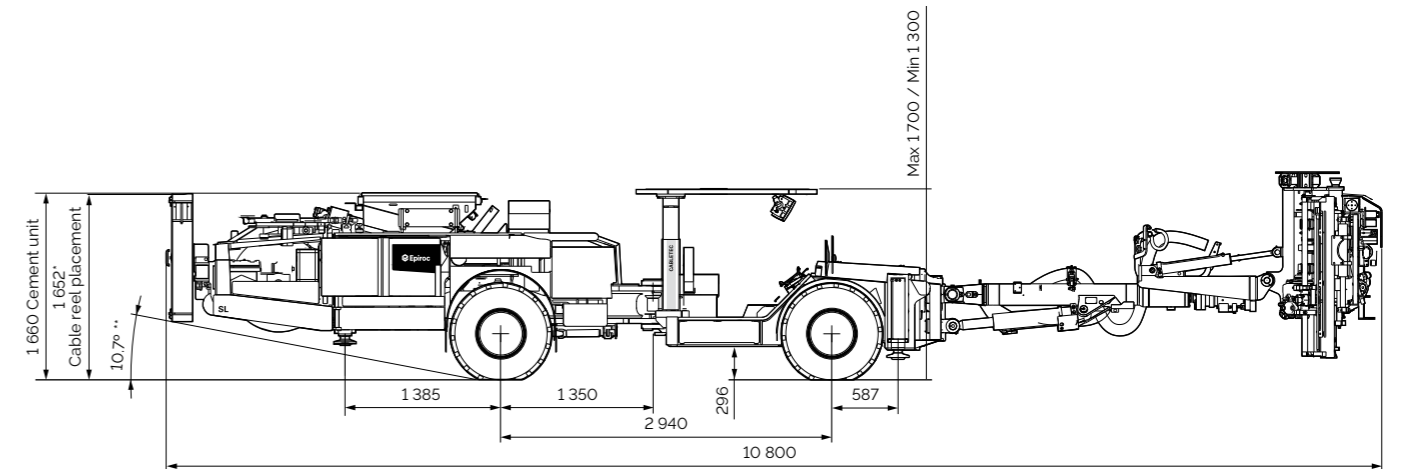
Recommendations are given for surrounding temperature of 40°C.

## Noise and vibration

Operator sound pressure level in cabin, drilling, free field (EN16228 and ISO 11201)	N/A
Operator sound pressure level in canopy, drilling, free field (EN16228 and ISO 11201)	N/A
Operator sound pressure level working close to machine, drilling, free field (EN16228 and ISO11203)	101±6 dB(A) re 20 uPa
Sound power level (ISO 3747), drilling, free field	121±3 dB(A) re 1 pW
Peak C-weighted instantaneous sound pressure level (EN16228)	Less than 130 dB(C) re 20 uPa
Vibration levels seated, drilling (EN16228 and ISO 2631-1) Cabin	N/A
Vibration levels standing, drilling (EN16228 and ISO 2631-1) Cabin	N/A
Vibration levels seated, drilling (EN16228 and ISO 2631-1) Canopy	N/A
Vibration levels standing, drilling (EN16228 and ISO 2631-1) Canopy	N/A

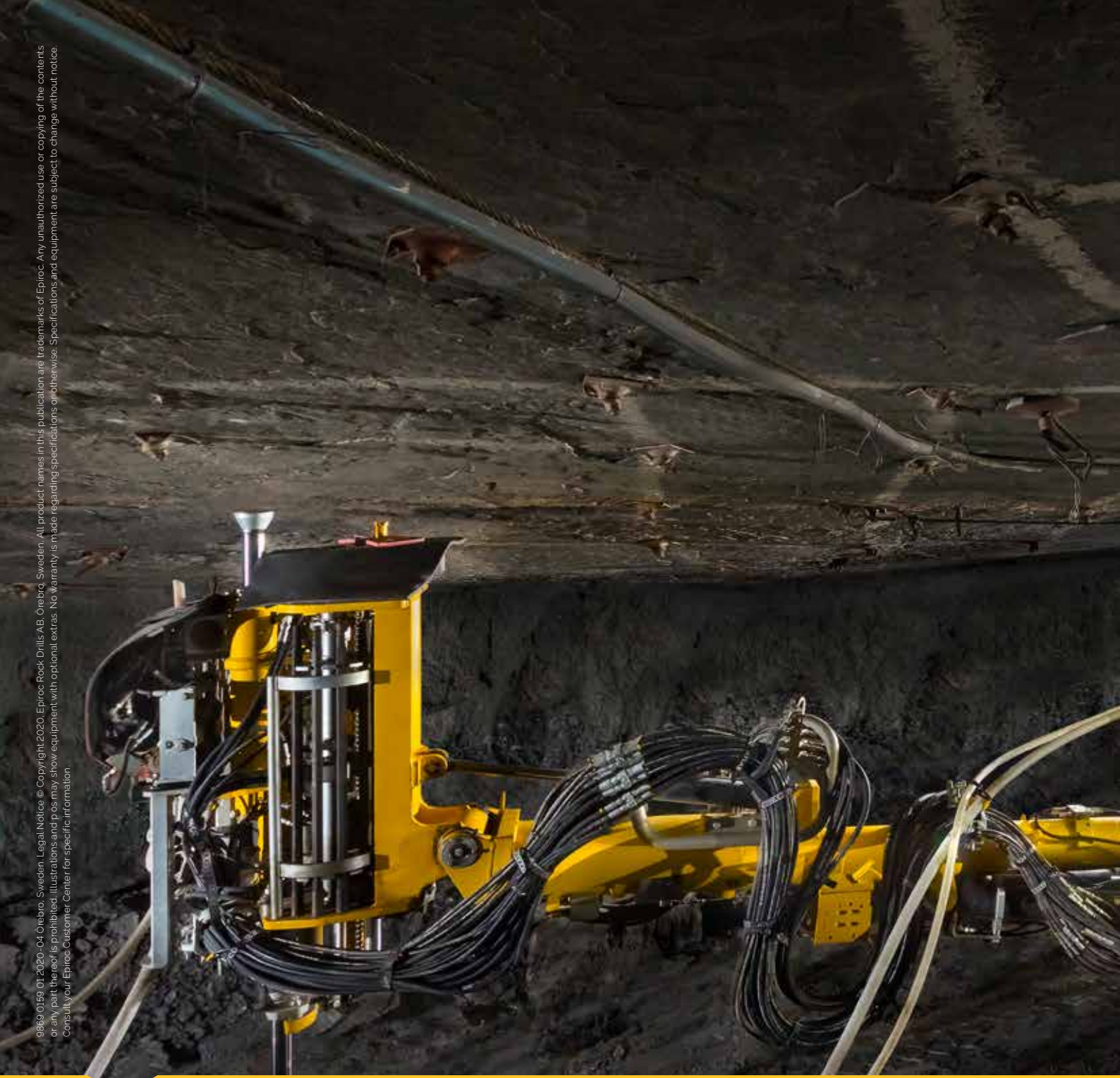
# Technical specifications

Dimensions in millimeters.





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