

# Diamec 232

Core drilling rig

Hole diameter: A





# Designed to drill short holes in tight spaces

The rugged and compact Diamec 232 core drilling rig is quick and easy to set up thanks to its compact design and light weight. It's ideal for drilling short holes in areas which are narrow or have a low ceiling height.

This rig is at home in both the exploration or ground engineering segments. The Diamec 232 features mechanized rod-making and braking, together with synchronized chuck and rod holder for fast and safe rod handling. The rig is fitted with a hinge-mounted rod holder and rotation unit which ensures ease of use in various special situations – setting casings for example. The Diamec 232 is electrically powered and equipped with a Direct Hydraulic Control (DHC) system. It has two variable hydraulic pumps to ensure that all key functions work efficiently.

Hinge-mounted rod holder opens hydraulically and closes mechanically with a spring

## + Main benefits

**Compact and lightweight** making the Diamec 232 easy to transport

**Mechanized rod making and braking plus fast feed assistance** increase speed and efficiency

**Direct Hydraulic Control system** is easy and simple to maintain

The hydraulic chuck on the rotation unit is synchronized with the rod holder

The feed has a fast rod running speed (1m/sec) for increased productivity

15 kW power unit featuring two variable flow hydraulic pumps mounted in tandem. The unit is fitted with wheels for easy transportation

User-friendly operator control unit  
Weight: 79 kg (154 lbs)

## Versatile and efficient

The Diamec 232 can tackle both surface and underground drilling tasks. It can be used in conventional core drilling as well as underground exploration. The rig can be moved into place with minimal effort and without disturbing other operations on site.

# Technical specifications

## Hole dimensions and depth

	Metric	US
Hole Diameter	A	
Maximum hole depth vertical up*	180 m	591 ft
Maximum hole depth vertical down*	220 m	722 ft

\*These figures serve as guidelines only. They are calculated with available pull/feed force, weight of drill string in water filled hole, average WOB and reserve for breaking solid core in rock with 10MPa Tensile Strength. Epiroc cannot guarantee these capacities will be reached in all working conditions due to varying factors such as ITH used, conditions of the ground and differences in operation.

## Rotation unit

	Metric	US
Spindle inner diameter	50 mm	1.97"
Chuck axial holding force	30 kN	6 600 lbf
Speed range	550 - 2 200 rpm	
Maximum torque	250 Nm	184 lbf

## Control system

Control system	Direct hydraulic
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## Rod holder

	Metric	US
Max opening	52 mm	2.05"
Axial holding force	25 kN	5 620 lbf

## Weights

	Metric	US
Power unit	230 kg	507 lbs
Drill unit (incl. control panel and hoses)	254 kg	560 lbs

## Feed frame

	Metric	US
Feed force	20 kN	4 500 lbf
Pull force	15 kN	3 372 lbf
Rod running - out	0.8 m/s	2.6 ft/s
Rod running - in	1 m/s	3.3 ft/s
Feed length	1 510 mm	59'
Feed stroke	850 mm	33.5'

## Power unit

	Metric	US
Motor	15 kW	20 hp

## Main pump

Flow	45 l/m	12 gals per min
Pressure	210 bar	3 050 psi

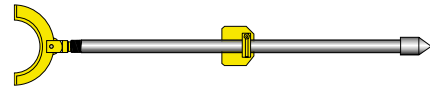
## Service pump

Flow	3 l/m	0.8 gals per min
Pressure	210 bar	3 050 psi

## Optional equipment

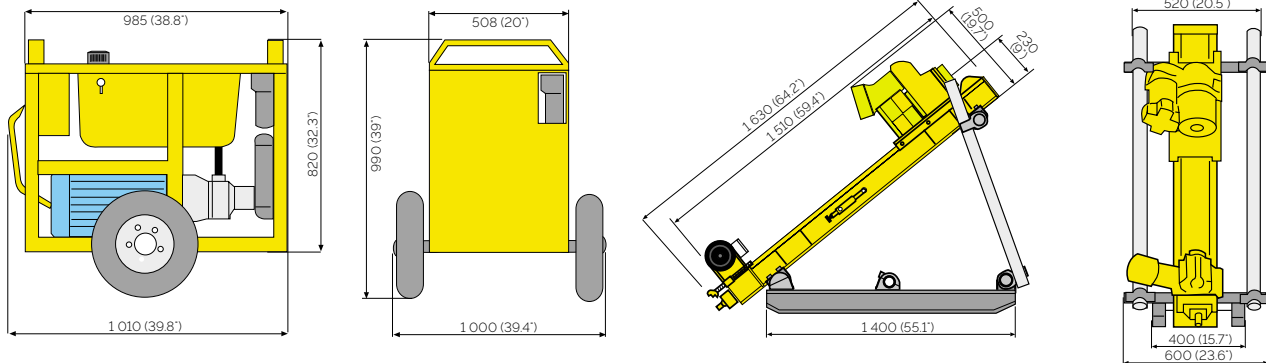
Trido 45E flush pump with 4kW electric motor	Metric	US
Flow	45 l/min	12 gal per min
Pressure	50 bar	725 psi

Column (short and long)	Metric	US
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Working range short	2 - 2.8 m	6.6 - 9.2 ft
Working range long	2.6 - 3.4 m	8.5 - 11.1 ft

## Dimensions



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