

Description

Drilling kit to be utilised on a Microscoop 100 or 100 E in place of the regular bucket by means of a Quick Detachable System (QDS).

Construction

- Connected in less than 5 minutes.
- No tools needed for the connection.
- One man operation.
- Hydraulically operated coupling device.
- Five push-pull hydraulic connections only.
- Drilling kit powered from the Microscoop hydraulics.
- Specific hydraulics for the drilling functions are part of the drilling kit.

Main Features

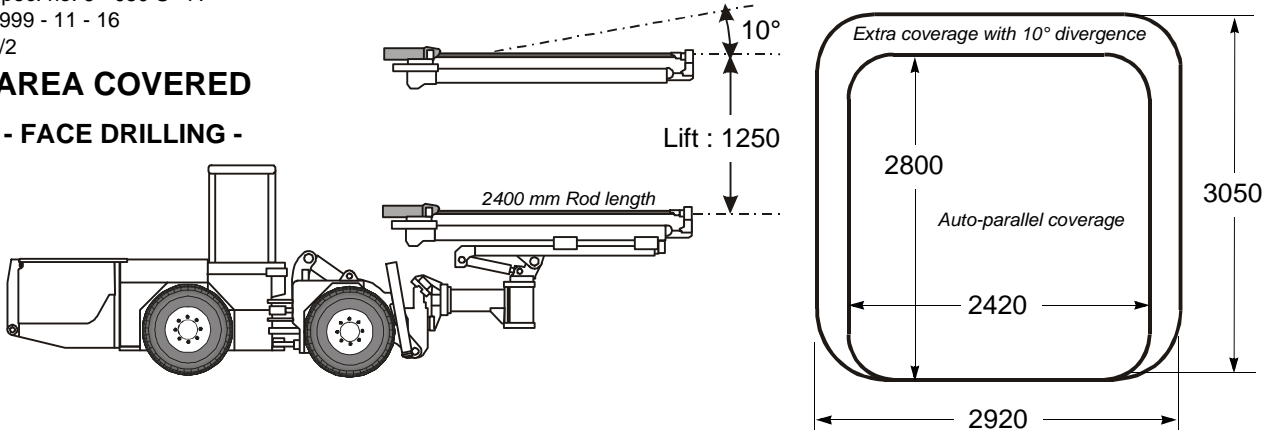
- HE 122 hydraulic rock drill.
- CF 100 chain feed type with telescopic retraction for bolting.
- Heavy duty boom.
- Easy-to-use Commando controls.
- Front hydraulic stabilizers.

Carrier

The Microscoop 100 or 100 E.

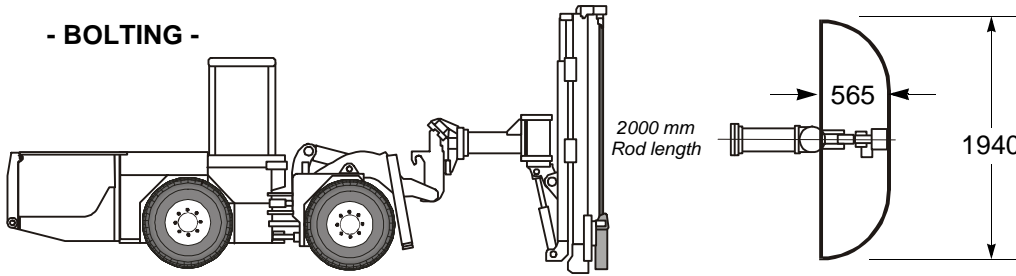
AREA COVERED

- FACE DRILLING -



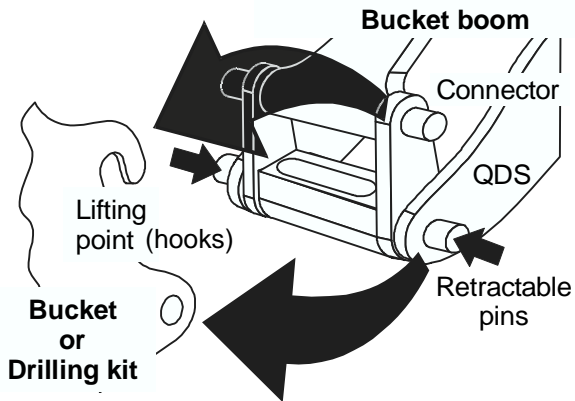
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- BOLTING -



Quick Detachable System

How does it work ?

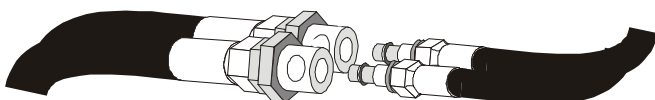


1. Driver approaches bucket or drilling kit from the rear in straight position.
2. Lift arm is lowered until connectors engage in the hooks.
3. Driver raises lift arm until retractable pins can engage, locking the bucket or the drilling kit in position.

All the operations are hydraulically operated, driver seated in his Microscoop.

Hydraulic connection

The dilling kit hydraulic connection, by means of push-pull fittings, is easy and rapid.



Rock drill

Model	HE 122
Drill rod diameters.....	19, 22 mm, R23
Weight.....	39 kg
Impact frequency	70 Hz
Percussion pressure	100 - 160 bar
Impact power	4 kW

Drill feed

Model	CF 100
Length - retracted/extended.....	2560/2960 mm
Rock drill travel	1800/2230 mm
Feed/pull out force	3.7 kN

Boom

Weight (with hoses)	600 kg
Sliding table	820 mm
Boom rotation.....	320°
Feed rotation, symmetric	± 95°
Feed tilt.....	-10° / +90°
Feed extension	1200 mm

Hydraulic system

Type	Direct hydraulic separate rotation
Anti-jamming system	Hydraulic, stepless

Rock Drill Lubrication

Type	WL 30
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Stabilizers

Front	2 hydraulic jacks
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Total weight

With bucket	3800 kg
With drilling kit.....	4780 kg