

C100

UNDERGROUND CORING DRILL

Technical Overview

SOLID DRILLING SOLUTIONS

C100 UNDERGROUND CORING DRILL

Mobility

C100 Underground coring drill features a mast with a capacity of drilling 360 degrees. C100 mounted on skid and easy to move by 4 men in limited areas.

Reliability

Easy to operate, maintenance and control.

Safety

Designed for continues and safety operations





1 CONTROL PANEL
Easy to operate with functional design

2 HYDRAULIC DESIGN
Load sensitive hydraulic system support energy saving.

3 MAST
360 Degree movement ability and can drill all points of tunnel or gallery.

4 SYNCHRONIZATION Rod clamp, and rotation unit works synchronized due to design of valve block. This property obtain a fast and safe drilling.

5 ROTATION UNIT
Can work with N diameter.

6 CRAWLER
With option of powerization crawler by independent diesel engine obtain more freedom for mobilization in underground.



C400 TECHNICAL INFORMATION

| Drilling Depth Guidelines | | |
|---------------------------|---------------------|-------------------|
| | Fluid Filled | |
| Drill Rod / Core Barrel | Hole Depth (meters) | Hole Depth (feet) |
| ARO / AO | 120 | 394 |
| AW / AWJ | 100 | 100 |

| Prime Mover | | |
|---------------------|----------------|------|
| | Metric | U.S. |
| Standard Unit | Electric motor | |
| Power | 15kW - 22 kW | |
| Diesel engine (Opt) | 22 kW | |

| Hydraulic System | | |
|------------------|-------------------|------|
| | Metric | U.S. |
| Primary Pump | DANFOSS | |
| Secondary Pump | DANFOSS or SALAMI | |
| Hydraulic motor | REXROTH | |

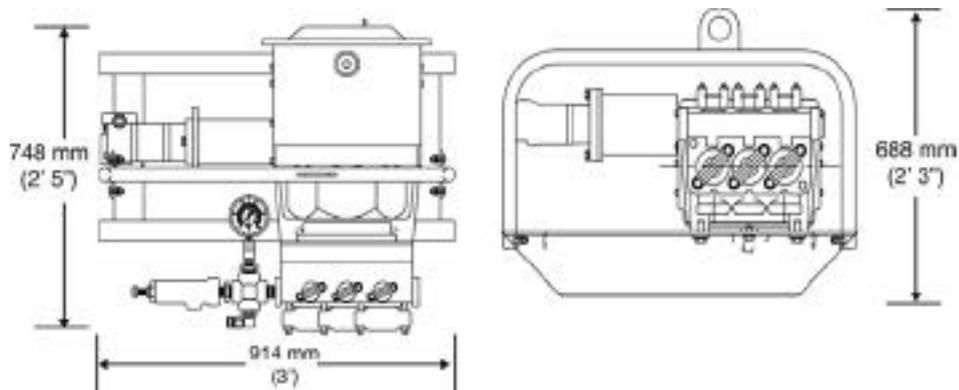
| Drill Head | | |
|------------------------|---|--|
| Rotation Motor | Rexroth hydraulic motor - variable/reversible | |
| RPM | 550-2000 | |
| Torque | 260 Nm | |
| Spindle Inner Diameter | A size | |

| Drill Mast and Feed System | | |
|----------------------------|--------|-----------|
| | Metric | U.S. |
| Feed Stroke | 850mm | 2,78ft |
| Max Pull Capacity | 15 kN | 3 372 lbf |
| Max Thrust Capacity | 20 kN | 4 496 lbf |
| Rod Pull | 1,5 m | 4,92ft |
| Drilling Angle | 360° | |

(SDS80) Fluid Circulation Pump Group (Optional)

Wet Weight = 180 kg (396 lb)

The max. output of SDS80 pump:
= 20 GPM @ 725 psi (50 bar)



| Measurements | | |
|--------------|---------------------|--------|
| | Dimensions | Weight |
| Power Unit | 550 x 1200 x 950mm | 250 kg |
| Skid Frame | 600 x 1630 x 1000mm | 250 kg |
| Control Unit | 490 x 500 x 1200 mm | 100 kg |



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YOUR PARTNER WITH A SOLUTION

SDS Müş. Müh. İml. İth. İhr. San. Ve Tic. Ltd. Şti

Mehmet Akif Ersoy Mah. 287. Sok. No:7/50, Golden Tower İş
Merkezi, Demetevler - Yenimahalle 06200 Ankara - Turkey

Phone: +90 532 473 79 35 Fax: 0090 31 472 49 21

e-mail: info@soliddrilling.com Web: www.soliddrilling.com