



SAFETY AND TECHNICAL DATA SHEET GUIDE

XL SAMPLE SAW

PRODUCT INFO

PRODUCT NAME

XL SAMPLE SAW

PRODUCT REF

SAMP - 800

PRODUCT DESCRIPTION

ROCK CUTTING

PRODUCT CATEGORIES

GEOTECHNIC, LAB TESTING,
EARTH SCIENCE

QUICK GUIDE

The Large Diameter Core Saw enables precise cutting of large-diameter cylindrical samples, concrete blocks and geological formations. Its adaptable clamping system securely holds different sample shapes and sizes, providing stability throughout the cutting process and making the machine suitable for sample preparation.



The current solution is based on a TYROLIT® industrial saw platform and adapted by Geofactory with a dedicated sample holding and clamping system for large-diameter cores and blocks, together with Geofactory diamond blades. This configuration provides a robust laboratory solution while Geofactory develops its next-generation platform, integrating the cutting, clamping, cooling and safety systems within a fully engineered Geofactory design.

TECHNICAL SPECIFICATION

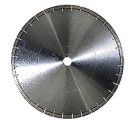
Dimensions	1,470x910x1,350 mm / 57.9x35.8x53.1 in
Weight	220 Kg / 485 lbs
Operating voltage	400 V / 50 Hz / Three-Phase
Motor power	5.5 kW / 13 A
Connected load	400 V / 32 A
RPM	1,380
Arbor size	Ø60 mm
Pump type	Submersible pump, Model S3
Pump power	230 V / 50 - 60 Hz
Core cutting diameter	From 50 to 220 mm
Blade diameter	Ø600 mm / 24 in / Arbor hole Ø60 mm
Blade type	Segmented diamond blade

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ACCESORIES OPTIONAL ITEMS

SEGMENTED DIAMOND BLADE

Designed for cutting hard formations, it ensures precise cuts of sedimentary core samples encased in aluminium tubes.



SILICA DUST PROTECTION

Use a certified respiratory mask with fine particle and silica filters, protecting operators from hazardous dust exposure.



Maxi sample saw
positioning



Core sample
clamping



Maxi sample saw
overview

