



# SAFETY AND TECHNICAL DATA SHEET GUIDE

EXPLO CORE SAW

## PRODUCT INFO

**PRODUCT NAME**  
EXPLO CORE SAW

**PRODUCT REF**  
SAMP - 201 & 202

**PRODUCT DESCRIPTION**  
ROCK CUTTING SAW

**PRODUCT CATEGORIE**  
MINING & GEOTHECNIC

## QUICK GUIDE

This model of slabbing saw, with a diamond blade, is ideal for the mining industry. It ensures precise cutting of geological samples and is easy to move during mining drilling operations. It delivers meticulous and consistent core slabbing across a wide range of geological formations.



## BUILT IN STAINLESS STEEL FOR LONG-TERM DURABILITY AND RELIABLE PERFORMANCE

The Explo Core Saw is an exclusive design developed for efficient and reliable cutting of drill core samples up to 50 cm in length and PQ diameter. Compact and fully portable, it is perfectly suited for exploration sites as well as laboratory environments. Its robust 5.5 HP three-phase motor ensures consistent performance in all operating conditions. Equipped with an efficient recirculating water system, the machine provides optimal cooling, extends blade life, and guarantees high-quality cuts.

## SAFETY FEATURES

### ✓ OPERATOR PROTECTION

- Impact-resistant polycarbonate screen protects the operator,
- Lateral operator position keeps hands away from the blade,
- Anti-fall mechanism prevents screen drop.

### ✓ MACHINE CONTROL AND EMERGENCY SYSTEMS

- Guard opening automatically stops the machine,
- Engine brake lever ensures fast blade stop,
- General isolator and emergency button cut power instantly,
- Easily accessible IP66 push buttons control motor and pump at 24 V safety voltage.

### ✓ OPERATIONAL STABILITY AND CUTTING SAFETY

- Tray locking system holds the tray in position,
- Anti-tilt tray system stabilizes the tray,
- Multi-position supports lock the sample securely.

### ✓ ELECTRICAL AND SYSTEM PROTECTION

- Copper grounding point and rod ensure safe earth connection,
- Overheat protection system safeguards motor and pump.

### ✓ INSPECTION AND MAINTENANCE SAFETY

- QR code links to the daily inspection checklist.



## TECHNICAL DATA SPECIFICATION

DIMENSIONS (LxWxH)	MAXIMUM DEPTH	CUTTING LENGTH	WEIGHT	BLADE SIZE	MATERIAL
1370x780x1470 mm 53.94x30.71x57.87 in	135 mm 5.31 in	500 mm 19.69 in	132 Kg 291 lbs	350mm / 14" Ø 25,4mm / 1"	Stainless Steel
POWER	MOTOR CAPACITY	RPM	FLUID SYSTEM	PUMP	TANK CAPACITY
Three-phase 380-400 VaC/50Hz	5.5 HP	2 750	Recirculating with a pump	Standard: 50 L/min Optional HV Pump: 300L/min	Standard: 100 L Optional Decanting: 230 L

## ACCESORIES OPTIONAL ITEMS

### SILICA DUST PROTECTION

Use a certified respiratory mask with fine particle and silica filters for regular and daily operations, protecting operators from hazardous dust exposure and ensuring long-term health and safety.



### WATER DECANTING TANK

A water decanting tank is essential in a circulating water system when sawing rock, as it helps to settle and remove debris from the water. Using such a system ensures efficient cooling and lubrication of the diamond blade.

