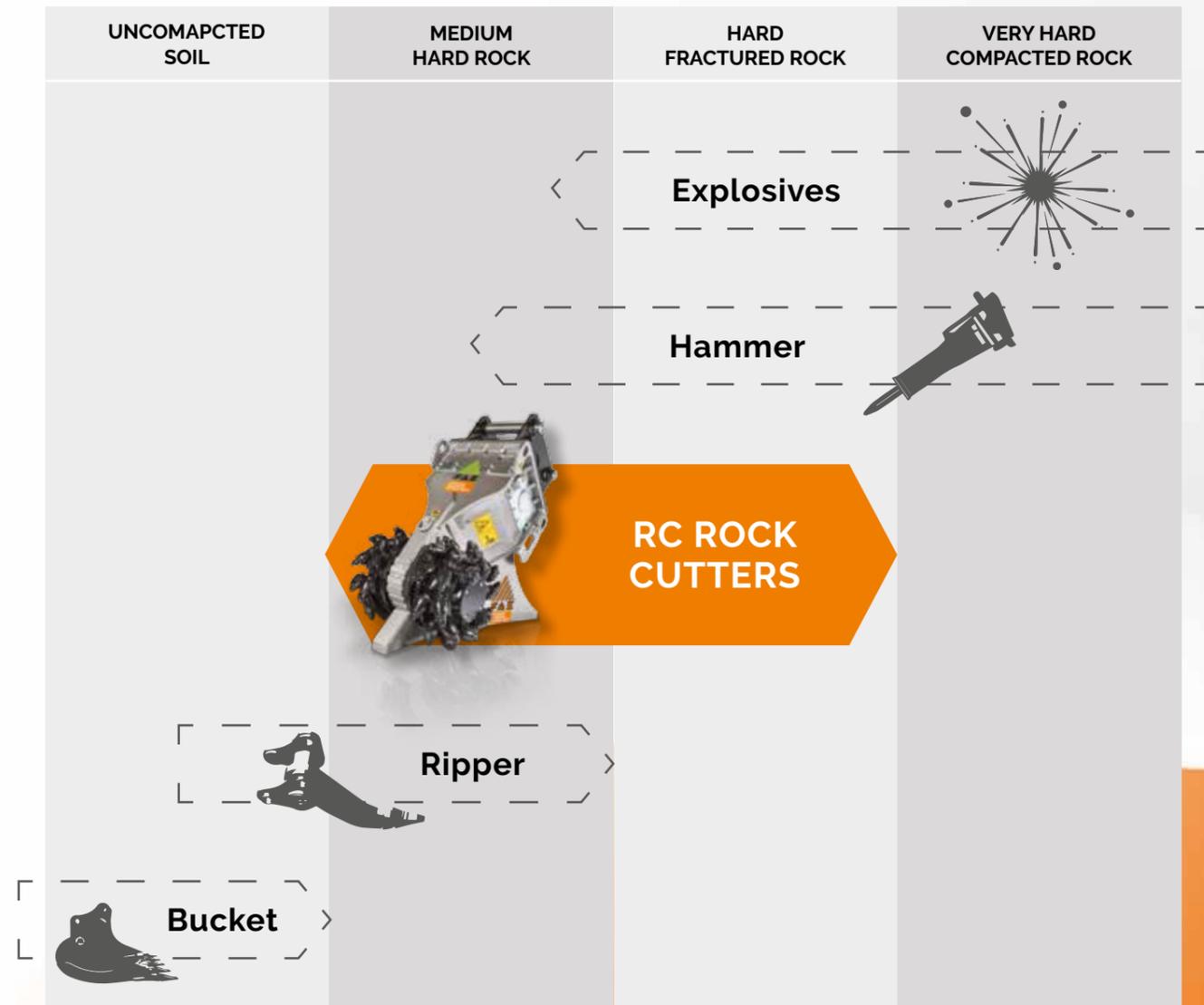


TYPICAL APPLICATIONS

The RC rock cutters have some specific application limits mainly connected to the hardness and compressive strength of the materials. As a guiding tool, please see the graph below:



- TRENCHING IN HARD AND COMPACTED MATERIAL
- PROFILING OF ROCKY OR CONCRETE WALLS (FOUNDATIONS, TUNNELS, ETC.).
- QUARRYING
- GENERAL DEMOLITIONS
- UNDERWATER DREDGING
- EXCAVATION OF THE MOUNTAINSIDE FOR HILLY ROAD CONSTRUCTION (CIVIL AND MILITARY APPLICATIONS)
- SPECIAL APPLICATIONS ON DEMAND.

EN

CONSTRUCTION

ROCK CUTTERS (RC)



ROCK CUTTERS (RC)

TECHNICAL FEATURES

- Heavy duty frame with pre-drilled holes to accommodate the pick-up brackets. The positioning of the holes allows the grinder to be installed at 90°.
- Hydraulic system with on-board oil filters, compensating valve and check valve.
- Hydraulic piston motor with direct drive to the drums with self-lubricating system, which by re-circulating the hydraulic oil does not require any ordinary maintenance.
- Anti-wear plates welded on the front part of the drum frame.
- Two high resistance drums with rock grinding teeth.
- Reduced spacing between the drums due to motor direct drive and compact design.
- Specially designed drum seals to avoid dust, mud and other debris from entering the motor compartment.
- Longer life of the motor shaft as it does not support the weight of the drums.
- Safety cover that protects the motor in case of higher backpressures.

COMPENSATING VALVE

- The compensating valve optimizes the hydraulic power according to the type of application.

ADVANTAGES



PRODUCTIVITY

The excellent grinding action produces finer materials that are easier to handle.



LOW VIBRATION

Low vibrations and collateral damage; apt for delicate jobs where the surrounding environment must not be disturbed.



LOW NOISE



EFFICIENCY

High efficiency and ease of maintenance. The teeth can be easily replaced by using specially designed tools.



PRECISION

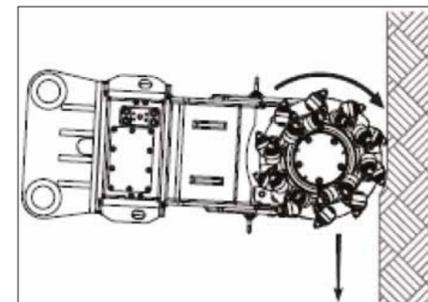
Excellent for precision trenching works; they can be used under water (dredging).

“HOW TO USE” BASIC GUIDELINES

Slow rotation drums (i.e.: 75-100 rpm) which operate mainly at high torque levels.

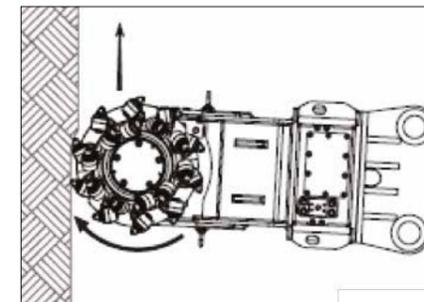
The grinding head can be used in various modes.

A - Top to bottom use



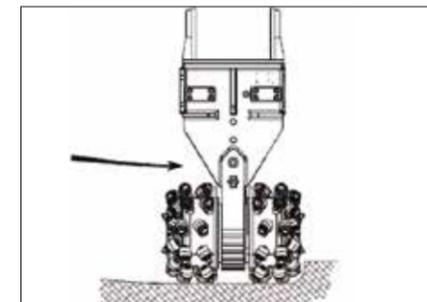
- Mainly for fractured and/or brittle material.
- The drum rotation follows the movement of the arm.

B - Bottom up use



- When the vibrations of the excavator arm need to be reduced.
- The drum rotation follows the movement of the arm.

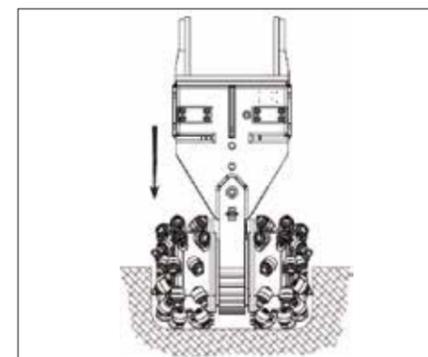
c - Alternate lateral movement



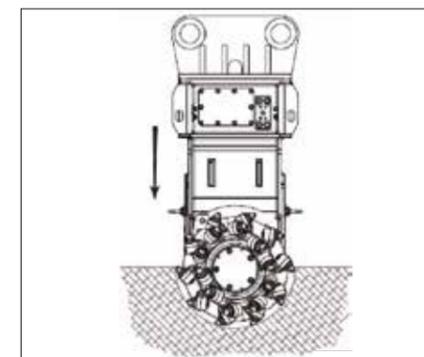
- The cutter attacks the material by using the excavator's slew function.
- One drum attacks the material first and with the opposite slew movement the second drum removes another row.
- Advisable on large rocky walls of brittle material.

USING RC FOR SECTIONAL EXCAVATIONS

According to the excavation to be carried out, the cutters can be used as follows:



- From top to bottom using both drums.



- Front face as only one drum cuts the material hence reducing the digging width.

DATA SHEET

MODEL	Number of Teeth	Excavator category
		t. Min - Max
RC 25	22*22	2,5 - 7,0
RC 45	26*26	6,0 - 14
RC 65	28*28	9,0 - 16
RC 90	24*24	14 - 22
RC 120	24*24	20 - 34
RC 220	24*24	28 - 45
RC 260	24*24	35 - 55
RC 360	28*28	45 - 70

