



CONSTRUCTION **Hydraulic Driven Heads**



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MAKE THE **DIFFERENCE**

At FAE, every machine, accessory and optional component is designed with utmost precision, the highest quality materials and the most advanced technology.

Each detail is designed to make the execution of the tasks as quick and efficient as possible and for the specific applications, conditions and environment where it will be carried out.

Every FAE machine and accessory was created to “make a difference” at work and, given the importance of many of the applications we work on, for the planet. This is why each member of our team, each partner and customer works daily.

ABOUT **FAE**

With a range of over 90 products and 400 models, FAE can meet the most diverse demands for forestry, agricultural, road construction, building and demining applications. The FAE product range includes heads for tractors, excavators, skid steer loaders, special vehicles and tracked vehicles, with cabins or remote controlled. FAE was founded in 1989, and the company's main office is still located in Fondo, Italy. Production, sales, after-sales service and parts services are handled by our 4 production sites, the main office, 6 commercial branches and a network of authorized dealers all over the world.



GLOBAL QUALITY

Our precision design and production processes use advanced technologies to ensure long-term performance and reliability.

CONSTANT INNOVATION

We design unique and cutting-edge products based on customers' specific needs for solutions that pave the way to the future.

COMPLETE PRODUCT LINE

We offer an extensive product range and a high degree of customization to make each process more efficient, more productive, and easier.

TOTAL SUPPORT

We make our vast range of machines, dedicated accessories and components, as well as our technical assistance available worldwide.

CONSTRUCTION HYDRAULIC DRIVEN HEADS

Our Construction line machines brings the very latest technology to road work, making your job easier, even in the most difficult conditions. Our leading-edge engineering research brings you a range of versatile, functional machinery that is reliable and efficient, able to speed up and simplify the main jobs in the construction and development of roads, highways and other infrastructure works.



STONE CRUSHERS FOR SKID STEERS

When the presence of large stones and rocks is a problem, FAE can help with a line of stone crushers for skid steers to help ensure extremely high productivity. Whether you need to reduce the size of the materials or crush coarse rubble to produce gravel, the FAE STC/SSL can meet your specific needs.



STC/SSL

Stone Crushers with fixed teeth for skid steer loaders.

0 - 100 hp

100 - 200 hp

90 - 120 hp



STONE CRUSHERS FOR SKID STEERS

STC/SSL

Stone Crushers with fixed teeth for skid steer loaders.

Designed and built for High Flow skid steers. Its compact size makes it the ideal solution for dirt and gravel roads, bike and horse trails, driveways, curbs, landscaping and smaller job sites as well as agricultural land reclamation. The spiral rotor

designed configuration ensures even and highly productive crushing capacity and the Hardox® counter knives allow you to adjust the size of the final product. The rear hydraulic door is used to adjust the amount of material exiting the crushing chamber.



90-120 hp



15 cm



Hydraulic hoses

Adjustable Hardox® counter-blade to effectively control the final product size



External pressure control Gauge



Penetration skids

MAIN OPTIONS



Diverter valve to control hood cylinders to control the opening and closing of the hydraulic door

STANDARD EQUIPMENT

Hydraulic piston motor 125cc with relief and anticavitation valve	Hydraulic rear door
Safety and anticavitation valve	Working pressure control gauge
Enclosed / anti dust machine body	Additional reinforced side plates
Motor enclosed in the frame	Protection chains
Poly Chain® Belt Transmission	Flat pressed welded steel counter-blades
Hydraulic hoses	Adjustable Hardox® counter-blade

OPTIONS

Diverter valve

MODEL	STC/SSL 150
Engine (hp)	90-120
Requirements Flow (l/min)	110-150
Pressure (PSI)	220-350
Working width (mm)	1590
Overall width (mm)	1894
Weight (lbs)	1210
Rotor diameter (mm)	450
Max. working depth (mm)	150
No. teeth type STCL/3+C/3/SS	32+4

Data refers to machine as standard. The technical data in this catalogue may be altered without prior notice.



STCL/3 (standard)



C/3/SS (side scraper)

ROCK CUTTERS FOR EXCAVATORS

In a demanding and complex context such as rock grinding, the FAE RC line offers different versions of cutters that make operations faster and more efficient than obtained with conventional crushing equipment.

Top quality materials and a product specially designed for this specific purpose helps achieve unparalleled performance in terms of operating capacity and reliability.



RC

Rock Cutters with fixed teeth for excavators.

0 - 50 t

50 - 100 t

1,2 - 70 t



STONE CRUSHERS FOR SKID STEERS

RC

Rock Cutters with fixed teeth for excavators.

Designed to be installed on all types of excavators. Suitable for crushing rocks and hard surfaces including bitumen, asphalt and concrete. Typical applications range from trenching jobs to concrete profiling; from

quarrying to underwater dredging; from foundations work to tunneling. High productivity, low noise and vibrations make the RC series a must-have tool for achieving efficient results.

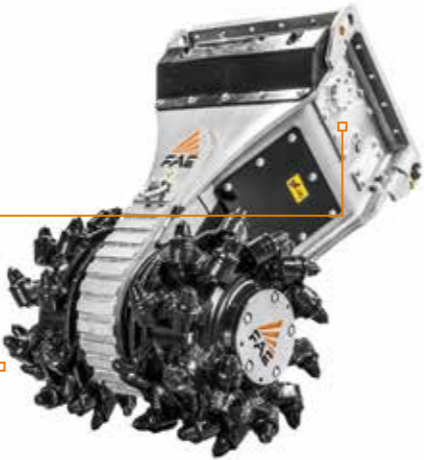
20-500 L/min

1,2-70 t



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



Safety cover
that protects the motor in case of higher backpressures

Longer life of the motor shaft
as it does not support the weight of the drums

STANDARD EQUIPMENT

Enclosed frame with built-in pre-drilled attachment flat plate	Direct drive piston motor with automatic lubrication system that requires no daily maintenance
Hydraulic block with compensating and check valve	Anti-wear plates on drum support
Motor safety cover	Drum with replaceable heavy duty rock teeth

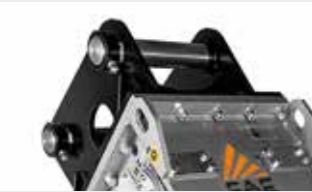
OPTIONS

Custom made attachment plate with pins

MODEL	RC 10	RC 15	RC 25	RC 45	RC 65	RC 90	RC 120	RC 220	RC 320
Requirements Flow (l/min)	20-40	30-60	45-80	65-120	90-150	130-190	170-250	240-340	350-500
Pressure (bar)	180-250	230-300	150-350	180-350	180-350	220-350	240-350	240-380	250-380
Working width (t)	1,2-3	2,5-4,5	2,5-7	6-14	9-16	14-22	20-34	28-45	45-70
Overall width (mm)	370	480	565	625	700	800	850	950	1250
Weight (mm)	90	170	300	470	640	1140	1465	2410	3650
Rotor diameter (kg)	230	260	380	450	500	595	660	750	750
Max. working depth (mm)	560	665	770	900	960	1250	1310	1575	1770
No. teeth	77	69	22+22	26+26	28+28	24+24	24+24	24+24	28+28

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MAIN OPTIONS



Custom made attachment plate with pins



R 65
for RC 90/120
(standard)



R/HD 65
for RC 90/120 (option)



R
for RC 25
(option)



R
for RC 45/65
(option)



R
for RC 220/260/320
(option)

ROCK CUTTERS ADVANTAGES



PRODUCTIVITY

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



PRECISION

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



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.

TECHNICAL FEATURES

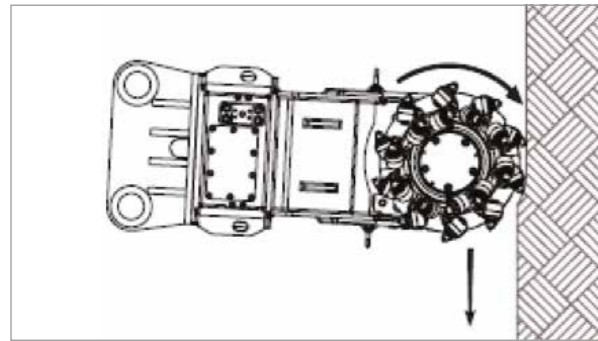
- Heavy duty frame with pre-drilled holes to accommodate the pick-up brackets. The positioning of the holes allows the grinder to be installed at 90°
- Hydraulic system with on-board oil filters, compensating valve and check valve
- Hydraulic piston motor with direct drive to the drums with self-lubricating 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

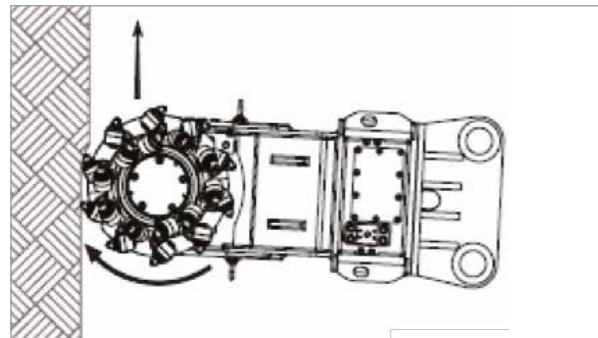
“HOW TO USE” BASIC GUIDELINES

Slow rotation drums (i.e.: 75-100 rpm) which operate mainly at high torque levels. The grinding head can be used in various modes.



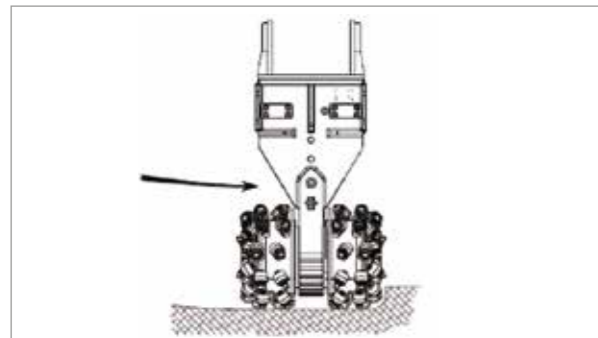
A / TOP TO BOTTOM USE

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



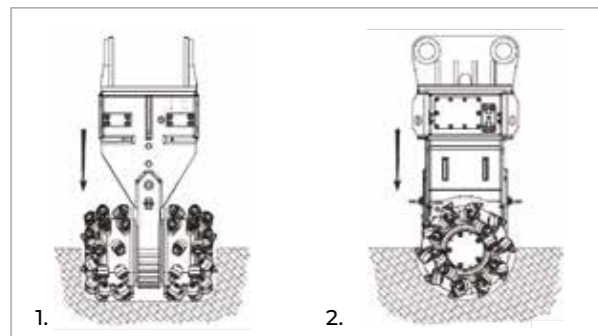
B / BOTTOM UP USE

- 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.



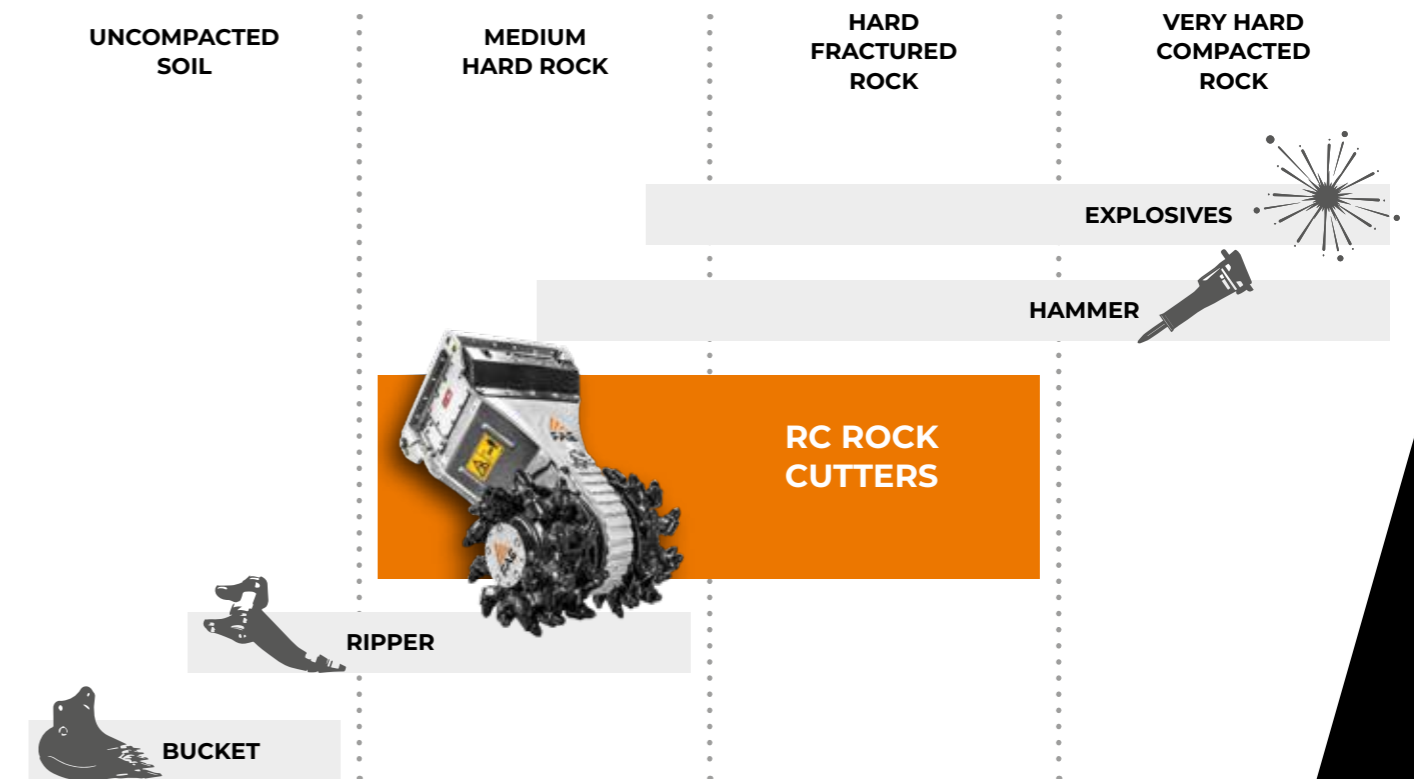
D / SECTIONAL EXCAVATIONS

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

1. From top to bottom using both drums.
2. Front face as only one drum cuts the material hence reducing the digging width.

RC 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.

ALWAYS BY
YOUR SIDE
TO **MAKE THE
DIFFERENCE**





The technical data in this catalog may be altered without prior notice.

The information and images in this document are not binding.

The weight is approximate and refers to machine without options.

The data in this catalog must be confirmed by the sales department.

Photographs may include accessories and equipment not supplied as standard.

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