

PRODUCT DESCRIPTION



R1200

MOBILE TRACK-MOUNTED JAW CRUSHER

Inlet opening

1200 x 680 mm / 48" x 27"

Performance

bis zu 230 t/h / 250 st/h*

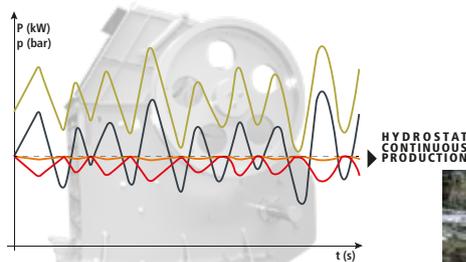
Weight

38,4 t / 84.700 lbs

ROCKSTER ADVANTAGES



Continuous power to the rotor, independent from the engine, for constant crushing performance.



Rockster's hydrostatic drive makes sure that the engine runs in optimum rpm independent from the rotor.



Compact, mobile & easily moved around the quarry. Ideal crusher for hard rock.



CONSTANT PERFORMANCE



HYDROSTATIC DRIVE



MAXIMUM FLEXIBILITY



INCREASED MOBILITY



EASE OF OPERATION



LONG-TERM RELIABILITY



Optimal transport dimensions for fast loading and unloading of the crusher.



Quality parts from leading component manufacturers.



Intuitive easy-to-use central machine control unit with a radio remote control.



Perfect final grain

COMPACT. FLEXIBLE. POWERFUL.

Rising landfill costs and raw material prices, as well as the need for waste separation, makes the recycling of construction materials very pertinent. This not only protects the environment, but also helps building contractors to save costs.

Rockster mobile crushers guarantee profitable recycling of concrete, demolition debris and especially

for processing hard natural stone. The compact mobile track-mounted **jaw crusher R1200** offers best mobility and high ease of use because of numerous technological refinements.

Versatile setting options ensure excellent final grain quality and increased usability.

R1200 - your reliable, compact solution for recycling and crushing of:

CONCRETE



Recycled concrete blocks 0/16

C&D WASTE



Subbase road 0/32

BRICK



Refilling pipelines 0/64

VIRGIN STONE



Forest road 0/32



By using the patented Rockster DUPLEX-System with jaw and impact crusher on one basic machine, the Casaccia gravel quarry at the base of the 'Maloja Pass' in Graubünden (Switzerland) can quickly and efficiently meet the diverse requirements of its customers.

„Lorenz Biedermann, Swiss Rockster partner explains his customer's decision for this Rockster crusher: „They primarily chose the Rockster crusher because of the Duplex system. It allows them to define the final grain faster and better, thus improving the quality and providing a noticeable competitive advantage.“

Gravel quarry Casaccia, Switzerland



SCAN & WATCH

MAIN DIMENSIONS

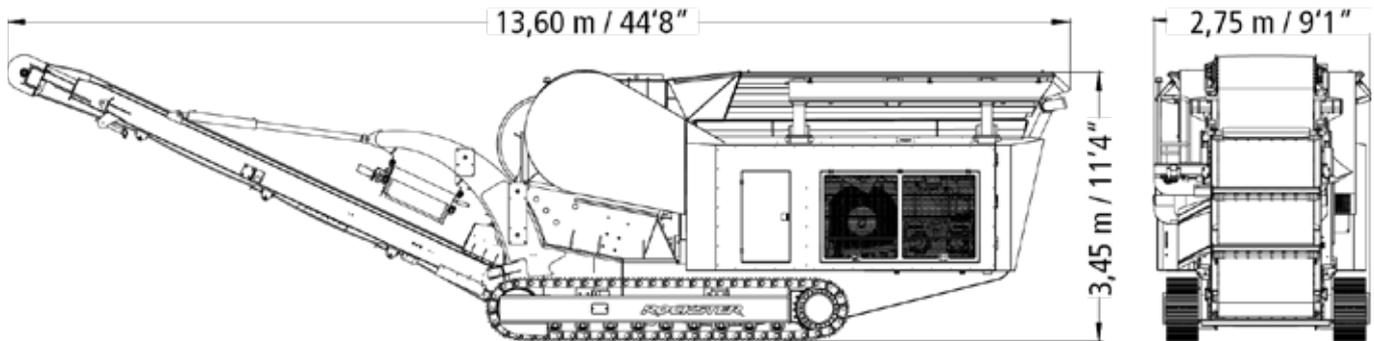


Transport dimensions

Length:	44'8" / 13,60 m
Width:	9'1" / 2,75 m
Height:	11'4" / 3,45 m
Weight:	84.700 lbs / 38,4 t

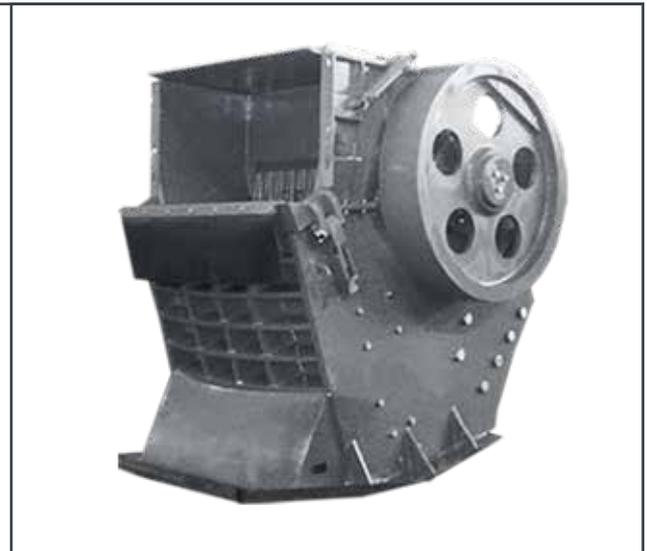
Feeding & discharge height

Feeding height:	11'2" / 3,40 m
Main discharge belt:	~ 11'6" / 3,50 m
Side discharge belt:	~ 7'10" / 2,40 m



Technical details

Inlet opening:	48" x 27" / 1200 x 680 mm
Crushing ratio:	1:8
Performance:	up to 230 t/h / 250 st/h
Rotor speed (continuously adjustable):	up to 280 min ⁻¹
Weight:	32,000 lbs / 14.500 kg
Drive:	hydrostatic
Gap adjustment (adjusted on display):	fully hydraulic



1. Maximum flexibility for top performance

The Rockster jaw crusher guarantees the highest performance with a very high crushing rate. The crushing gap is hydraulically adjustable, which allows for a precisely defined size of the final product.

2. High quality wear material

The R1200 is mostly used as an addition to a R1100d duplex system in which case the jaw crusher is utilized as a primary crushers and the R1100d impactor as a secondary on in order to optimally process hard natural rock.

3. High quality wear materials

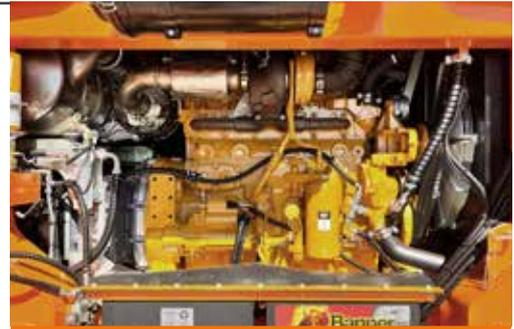
Rockster uses only high-quality wear materials. This not only ensures low wear, but also ensures a reduction in daily operating costs.

Drive unit

Engine (electronically regulated):	Volvo Stage IIIA - 262 kW / 350HP
	Volvo Stage IV - 265 kW / 355HP
	CAT Stage IIIA - 242 kW / 325 HP
	CAT Stage V - 280 kW / 375HP
Cylinder:	6
Cooling system:	water

The drive system is located at the rear of the machine, enclosed in a sound-proofed housing. Engine openings are positioned on all sides for easy access, service and overall maintenance.

The hydraulic pump for all auxiliary drives (main discharge belt, side discharge belt, vibration chute, crawler gear...) as well as the pump for the hydrostat are driven via a distributing gear unit which is flange-mounted on the drive engine. The hydrostat activates the crusher via a V-belt drive.



ADVANTAGES OF THE HYDROSTATIC DRIVE

- > Elimination of conventional clutch. No wear.
- > Individual adjustment of crusher speed
- > Crusher overload protection
- > Power adjustment according to individual requirements
- > Uniform throughput
- > Enormous power reserves
- > Adjustment of rotating direction (Duplex)

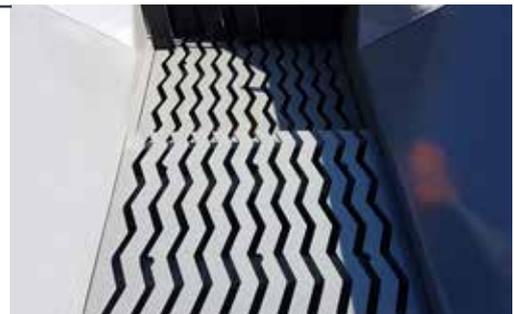
Feed hopper

Material:	Hardox 400
Volume:	6.5 yd ³ / 5 m ³
Length:	14'6" / 4400 mm
Width:	8'2" / 2500 mm
Height:	10'6" / 3200 mm



Vibration chute with 2-deck pre-screening

Material:	Hardox 450
Length:	5'11" / 1800 mm
Width:	3'7" / 1100 mm
Type:	Zig zag
Option:	bar screen
Drive:	hydraulic - with load-dependent speed control Overload protection



Bypass

The switchable chute (Bypass) enables the discharge of pre-screened material on the side or onto the main discharge belt.

Easy switch via hand lever.

No special assembly necessary.

No wear. No service.



Main discharge belt

Belt width:	47" / 1200 mm
Discharge height:	~ 11'6" / 3,5 m
Angle:	25°
Drive:	hydraulic, continuously variable

The main discharge belt is hydraulically lowerable for maintenance and service purposes.



Side discharge belt

Belt width:	26" / 650 mm
Discharge height:	~ 7'10" / 2,4 m
Angle:	20°
Drive:	hydraulic

The side discharge belt is hydraulically foldable for transport purposes.



Magnetic separator - adjustable height

Type:	Permanent magnet vertically adjustable
Belt width:	30" / 750 mm
Weight:	2570 lbs / 1165 kg
Drive:	hydraulic



Caterpillar crawler

Tread width:	16" / 400 mm - slanted
Wheel base:	12'6" / 3800 mm
Surface:	triple ribbed pads
Drive:	2-speed hydraulic



Control panel

Central control/operating unit ensures an easy operation and machine monitoring in connection with a wireless remote control.

Fully automatic engine Start-Stop system with only one button.

- > Save the operation settings for various applications
- > Error monitoring - error log
- > Input & output status
- > Fast start of operation (QUICKSTART-Funktion)



EASY MAINTENANCE



Ideal accessibility



Large covers enable optimal accessibility when it comes to service and maintenance. Furthermore they ensure optimal ventilation of the drive-unit and the cooler.

It makes it a dream for every service technician when it comes to service and maintenance.



OPTIONS



1 Belt weigh scale incl. printer



2 Air compressor



3 Water pump



4 Central lubrication system



5 Dust suppression

OPTIONS - SCREENING SYSTEM



Defined final product in one workflow

The optional screening system consists of the compact circular vibrating screen RS114S in combination with the return belt RB95. The screening system is a perfect addition for the production of 100 % defined final grain.

The components are mounted directly onto the main discharge belt and are driven through the additional hydraulic system of the crusher.



Vibrating screen - lowerable

Screen size:	10'2" x 4'5" / 3100 x 1350 mm
Standard mesh:	1 1/2" / 38 mm

Special screens available on demand

The hydraulically lowerable screen box saves time and unnecessary costs during maintenance.



Discharge conveyor - fines

Belt width:	3'11" / 1200 mm
Discharge height:	~ 10'6" / 3,2 m

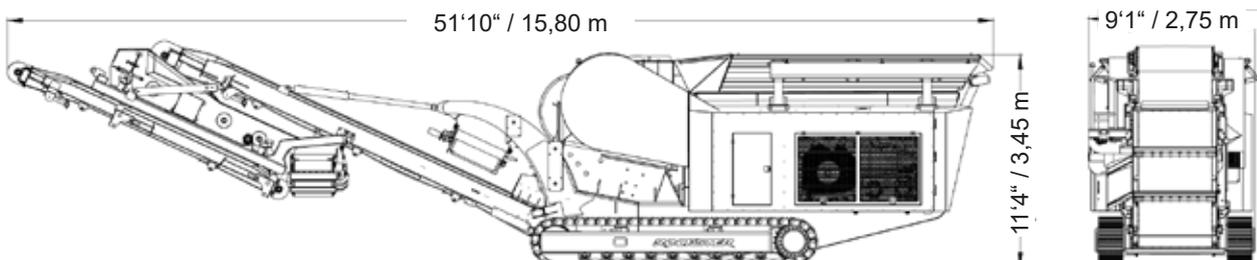


Discharge conveyor - oversize grain

Belt width:	24" / 600 mm
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Transport dimensions R1200 + RS114S

Length:	51'10" / 15,80 m	Height:	11'4" / 3,45 m
Width:	9'1" / 2,75 m	Weight:	91,500 lbs / 41,5 t



OPTIONS - 1 MACHINE = 2 CRUSHERS

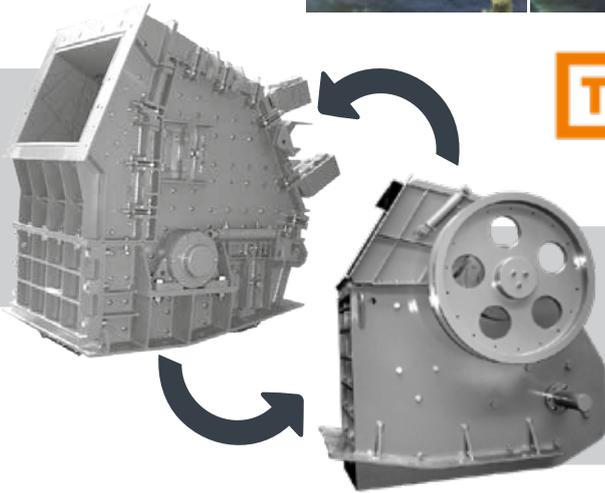


DUPLEX SYSTEM

The hydrostatic drive & the unique design of the Rockster crusher allows the transformation from an impact crusher to a jaw crusher and vice versa in only a few hours. Achieve maximum machine utilization by using one carrier and different crusher units to rapidly adapt to different job requirements.



R1100
DUPLIX
Impact crusher



THE ORIGINAL
since 2004

R1200
Jaw crusher



SCAN & WATCH

AIR BLOWER - for cleaner and higher quality final product

RVB1700



Technical details

Air volume:	up to 1.700 m ³ /h / 2,223 yd ³ /h
Differential pressure:	up to 7.000 Pa
Drive power:	up to approx. 15 kW / 20 hp
Drive - rpm:	up to 3.200 min ⁻¹
Weight:	approx. 150 kg / 330 lbs

The Rockster Air blower RVB1700 is used to efficiently separate non-aggregates from the final end-material, which results in a cleaner and higher quality final product. This enables Rockster customers to work more environmentally friendly and economically.

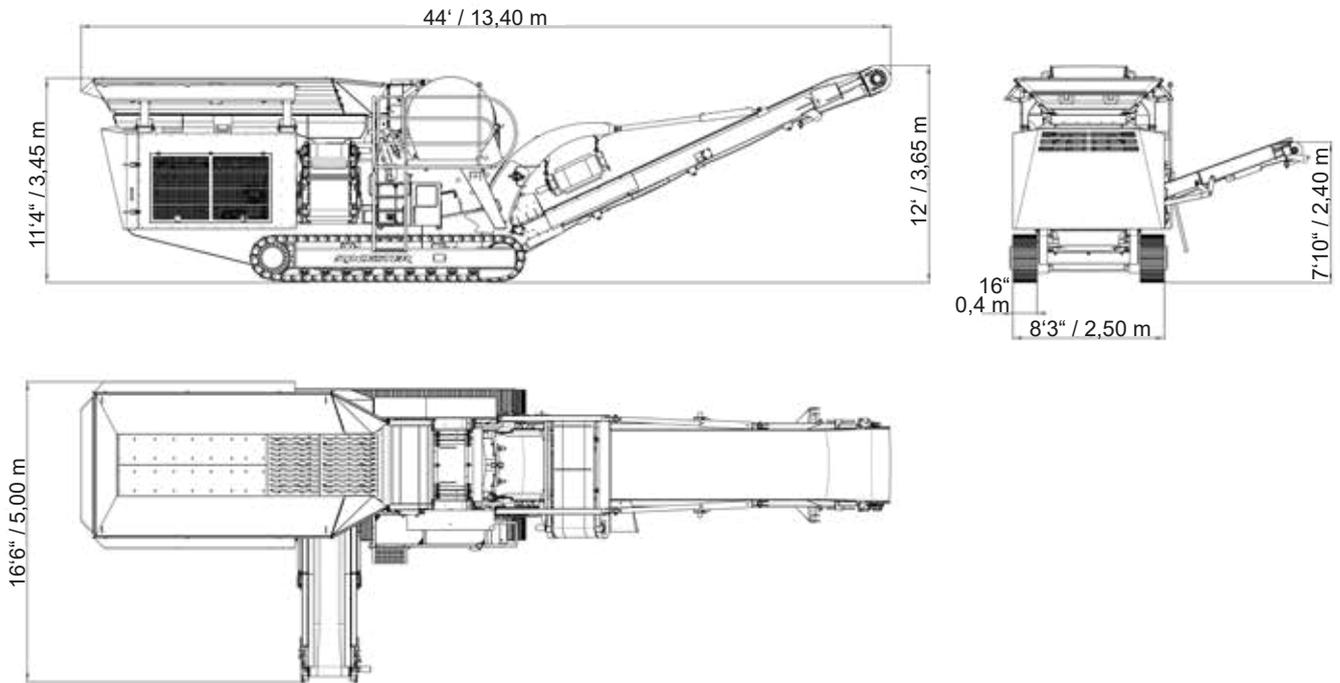


SCAN & WATCH

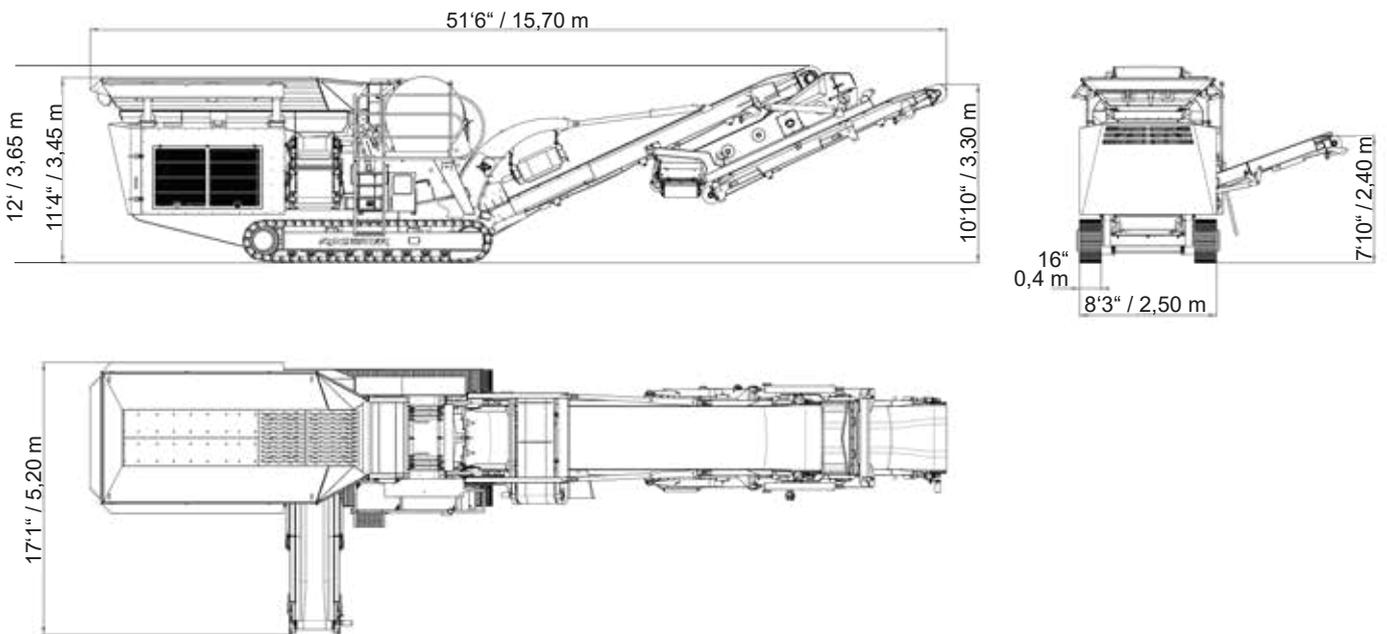
WORKING DIMENSIONS



R1200



R1200 with screening system



GENERAL INFORMATION



Austrian based manufacturer Rockster Austria International GmbH has a longstanding reputation and the know-how in demolition and screening industry.

The product line includes, among others, track mounted impact and jaw crushers, screening machinery and tracked stackers. "Our mobile crushers and screeners are used for profitable & economical recycling and processing of asphalt, concrete and construction waste, as well as for natural stone.

With innovations like The Original DUPLEX system or double-functional return belt, we repeatedly demonstrate our progressive approach towards improving and developing more efficient recycling & processing methods."

Rockster machines are sold in more than 50 countries worldwide. Our sales partner network guarantees the ideal on-site package of product and service in order to support and secure the daily success of our customers.





Rockster Austria International
Headquarters, Austria

SOLD IN MORE THAN 50 COUNTRIES WORLDWIDE

**COMPETENCE.
PROGRESS.
PARTNERSHIP.**

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