



Range of Impact Crushers



A reliable range of impact crushers

Roc Impact impact crushers are renowned worldwide for their quality construction, crushing efficiency, versatility and profitability.

Reliable and tough

Heavy duty
Quality construction and
high grinding efficiency.

Low abrasive materials

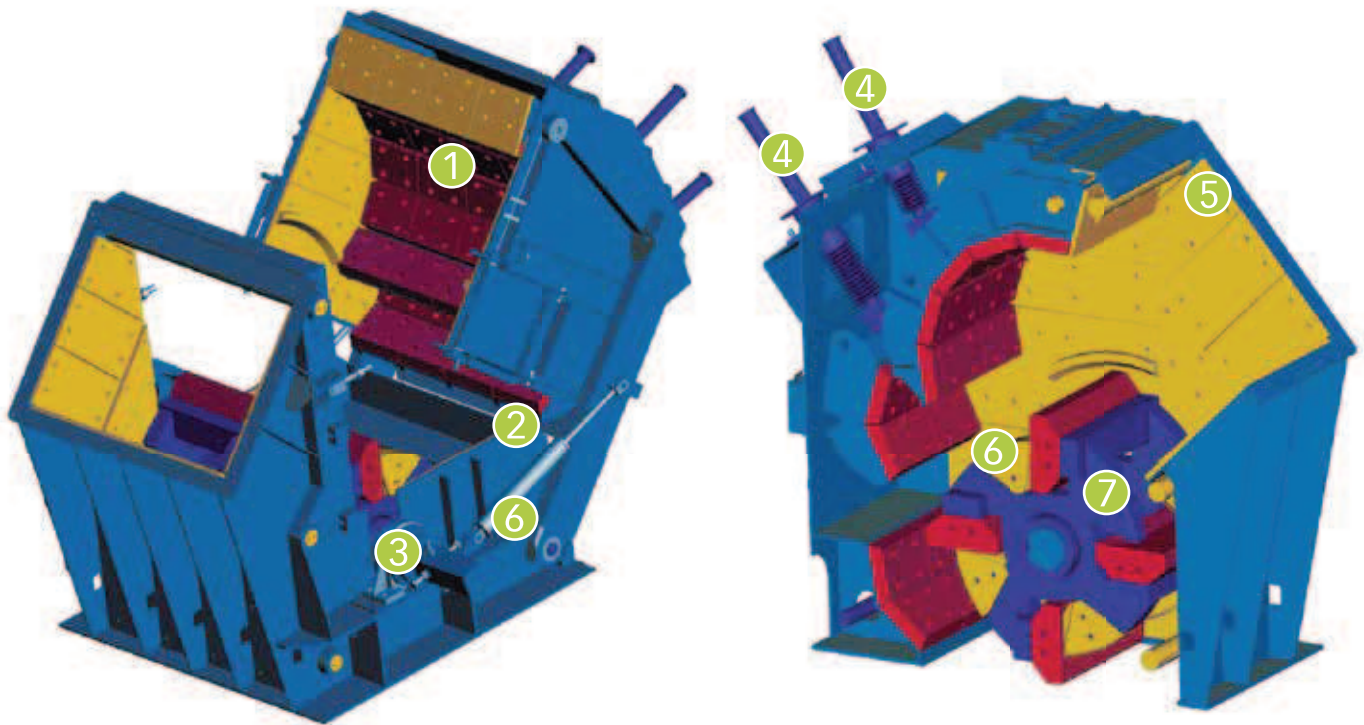
For crushing rock like limestone,
shale, marble, sandstone, etc.
and recycling.

Reduced maintenance costs

Easy maintenance and
simple-to-operate hydraulic adjustment.

Capacity: 25-700 t/h

High throughput and
large reduction ratio.



Impact crusher design

1 Curtain liners

all curtain liners are interchangeable. Having the same size simplifies the need for parts.

2 Hydraulic opening cover

Quick replacement of worn parts.

3 Positive locking of the rotor

Used when changing th bars.
SAFETY FIRST !

4 Hydraulic cleaning curtain

Removes oversized stones.

5 Feed opening

The impact crusher has a 45° feed hopper with replaceable lining. Hydraulic cavity cleaning curtain.

6 Rotor

A heavy-duty shaft, replaceable beater.

7 Blow bar

Wear parts made of manganese steel, iron or chrome depending on rock type. Reversible beaters.



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Reliability

Our impact crushers are designed to refine coarse, friable materials. Roc Impact produces a full range of impact crushers that combine wear resistance, a powerful rotor and special grinding cavity.

With their low maintenance requirements and easy operation, our range of impact crushers offers excellent performance and high quality yield.

Performance

To minimize investment and operation costs, Roc Impact impact crushers yield a fine product with few crushing steps. The general optimization of the machine's design allows for a large feed size, generous grinding cavity and a rotor designed for any application,

all to increase production capacity. The rotor is designed to produce the best possible reduction and the highest possible grinding capacity.

Quality

To ensure the high quality of our products, Roc Impact impact crushers are equipped with a single oversized rotor while using the same size blow bars in both the primary and secondary crushers.

Versatility

Roc Impact crushers are designed for any type of application and various types of configuration: from grinding low abrasive materials to industrial applications and recycling.

Ease of use and maintenance

To make maintenance easy in various types of set-up, the blow bars can be changed either vertically or horizontally. On a machine, the parts do not wear out at the same rate. Here, they are interchangeable in order, again, to minimize the cost of maintenance.





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General dimensions of impact crushers ROC type

MODÈLES	Rotor diameter (mm)	Rotor width (mm)	Motor power (kW)	Feed opening (RPM)	Capacity (T/H)	Weight (Kg)
ROC PS 08.08	750	760	50	700 - 1 000	100 - 150	4 190
ROC PS 08.10	1 015	865	110	450 - 700	100 - 250	9 400
ROC PS 13.10	1 015	1 370	160	450 - 700	120 - 300	13 200
ROC PS 12.13	1 295	1 220	250	450 - 650	160 - 350	18 500
ROC PS 13.15	1 295	1 525	300	450 - 650	200 - 400	22 130
ROC PS 21.15	1 525	2 135	2 x 250	300 - 500	320 - 600	42 620

Production capacity (T/H) open circuit

Feeding Max. (mm)	600		800			1 000					
	100	200	100	200	250	100	200	250	300		
ROC PS 08.08	100	170	75	150	60	100					
ROC PS 08.10	130	250	120	200	110	180					
ROC PS 13.10	145	275	132	220	120	200	110	165			
ROC PS 12.13	190	280	160	270	150	230	120	200	110	200	220
ROC PS 13.15	250	350	220	350	200	300	150	250	140	220	280
ROC PS 21.15	350	480	300	450	270	400	200	350	200	300	400

Stone grade distribution (percentage of passers)

d 90 = mm	100	80	63	60	50	40	30	25	20	16	12.5	10	8	6.3	4.75	3.4	2.4	1.2	0.6	0.3	0.16
16 mm								100	94	90	80	68	55	48	40	33	25	13	7	4	2
20 mm							100	95	90	82	73	63	52	42	36	30	20	10	5	3	1
25 mm						100	95	90	82	71	62	54	46	38	30	24	16	8	4	1	
30 mm				100	97	93	90	80	72	63	54	45	40	33	25	20	13	7	3		
40 mm			100	98	94	90	80	71	62	53	46	40	35	30	20	16	11	6	2		
50 mm		100	95	93	90	80	70	60	53	47	40	33	28	22	15	12	8	4	1		
60 mm	100	97	92	90	80	70	60	54	47	39	32	25	20	17	10	8	6	2			

Capacity based on a continuous and regular supply of clean, dry material of standard hardness with a bulk density of 1.6 tons/m³. Capacity may vary depending on the size and nature of the rock and the operating conditions of the plant.

All these dimension are indicated only as general information.