

BHS

Impact Crushers / Mills

Achieving
high
reduction
ratios

heavy-duty
reliable
low cost



BHS
SONTHOFEN

BHS Impact Crushers/Mills

It is the Details that matter...

Excellent Crushing Results

All BHS Impact Crushers/Mills have been totally redesigned within the last years. Among others based on intensive scientific analyses, we have optimized the impact tools and the dimensions of the impact chamber. The results are an excellent crushing effect and easy maintenance.

Feed Opening

Relative to their size, all BHS Impact Crushers/Mills feature a very large feed opening, which enables optimum utilization of the impact chamber, with high throughput rates and excellent size reduction results even at maximum feed gradations. In addition, plugging of the material is avoided.

Hammers

The hammers are made of one piece and are reversible. BHS offers a patented retaining system enabling to replace the hammers without any difficulty (refer to page 4).

Impact Plates

Depending on the respective model, the impact plates are made of sturdy monoblock castings or welded steel constructions with replaceable wear components (refer to page 5). The impact plates can be optimally adjusted for their respective applications, optional by a hydraulic system.

Wear Components

90 % of the wear components in the impact chamber have the same shape and can easily be exchanged. This reduces your stock-keeping requirements.

Operating Safety

The impact plates are provided with spring elements, which does improve the operating safety during exceptional operating conditions.

PB 1212

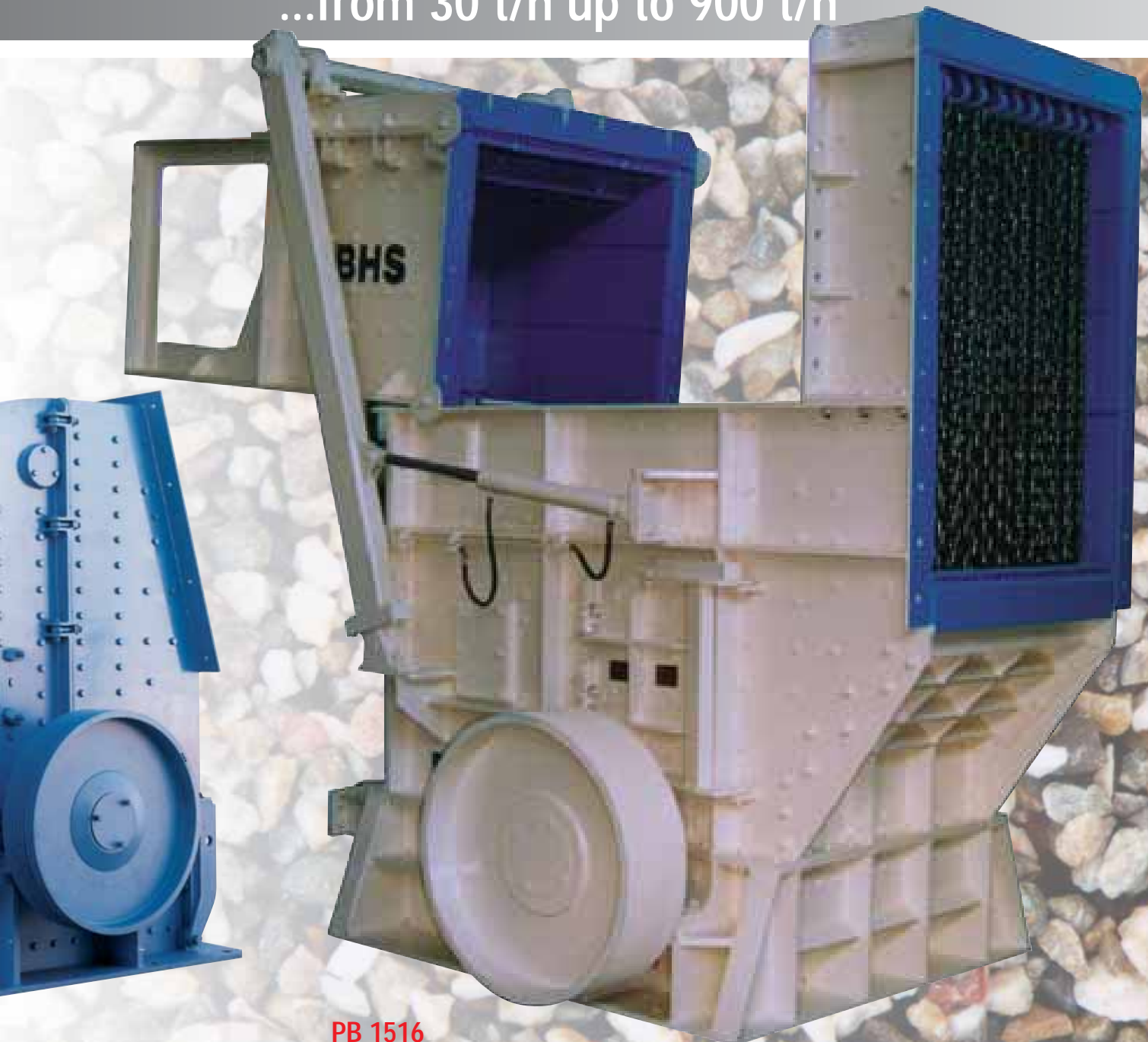
with a throughput rate of 225 t/h used as primary or secondary machine



PB 0806

with a throughput rate of 50 t/h used e.g. for oversize gravel from hard rock

...from 30 t/h up to 900 t/h



PB 1516

with a throughput rate of 700 t/h suited
for primary crushing of limestone

Changing the Hammers

...a hard work made easy

BHS offers a patented retaining system of the hammers, which allows to release them and to pull them upwards without any difficulty. This reliable system saves time and labour.

Fig. 1

At first, the rotor is locked. After pulling out the retaining ledge laterally the hammer can be removed upwards without any difficulty.

Fig. 2

The hammer is suspended eccentrically in the suspension gear. Reversing the hammer is therefore effected almost by itself.

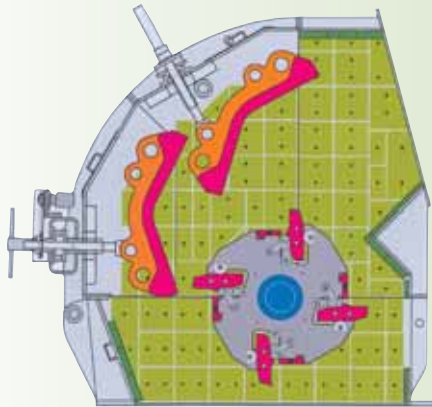
Fig. 3

Lifting the suspension gear automatically turns the hammer into its new position.

Fig. 4

The retaining ledge is inserted again and locked. After only a few minutes production can start again.





There is an appropriate solution to every crushing application

Fig. 1

Impact crusher with impact plates made of monoblock casting, reversible by 180°, suited for primary and secondary crushing applications of soft rock and also for recycling of concrete.

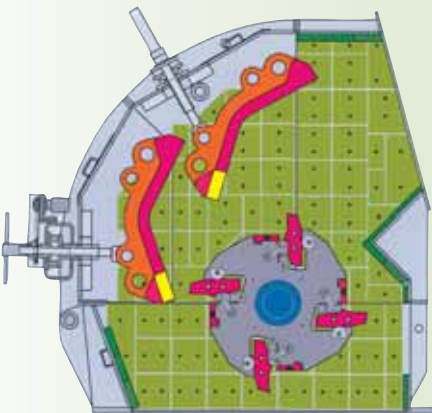


Fig. 2

Impact crusher with impact plates made of monoblock casting, with inserted wearing edges made of hard cast material. Ideally suited as a secondary crusher for medium-hard and hard rock.

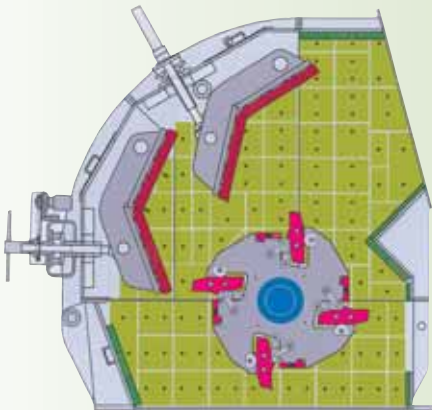


Fig. 3

Impact crusher with with impact plates made of welded design with bolted wear components made of hard casting material. Suited as a secondary crusher for more abrasive stones.

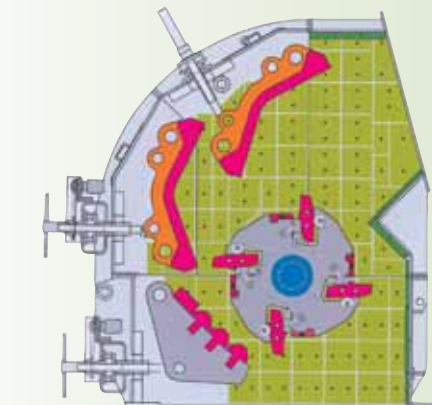
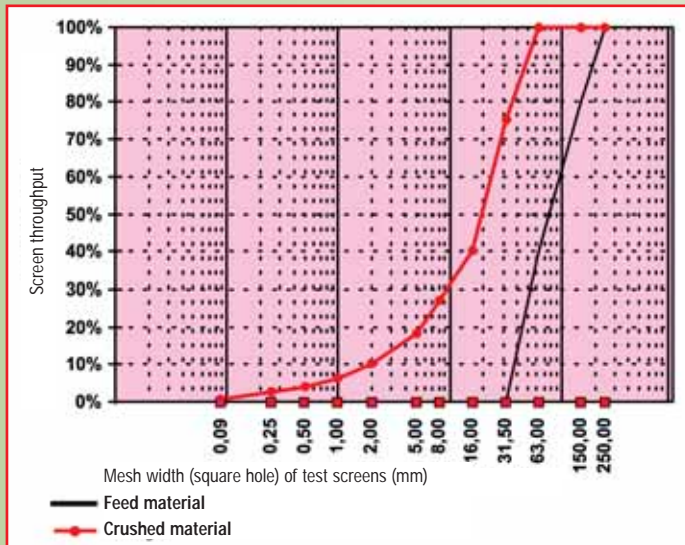


Fig. 4

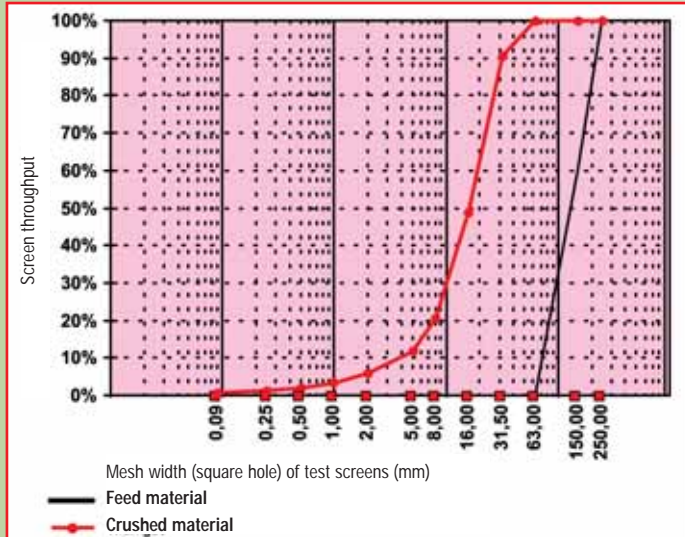
Impact mill with additional grinding track below the rotor shaft level. This serves to increase the crushing ratio, improve the grain shape and increase the fractured surface. The two upper impact plates can be designed according to the alternatives shown in fig. 1-3 above.

Applications

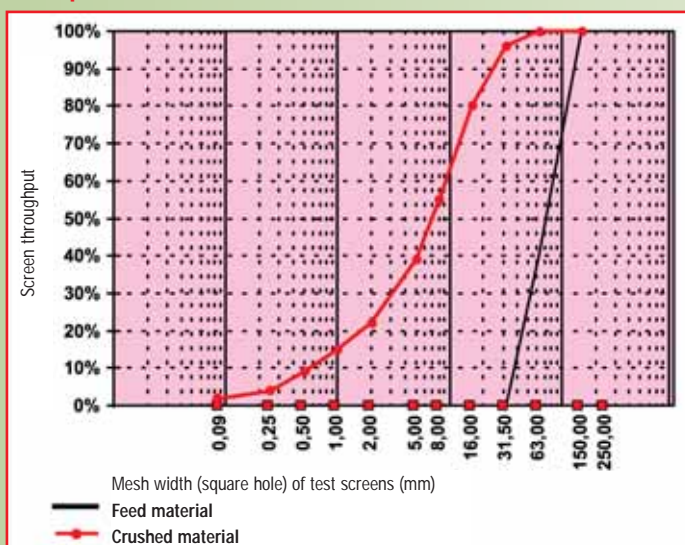
Example 1: Limestone 32-200 mm



Example 2: Round gravel 63 - 250 mm (Foot hills of the Alps)



Example 3: Nordic Moraine 32-150 mm



Materials

for primary crushing

- limestone
- dolomite
- gypsum

for secondary crushing

- limestone
- dolomite
- gypsum
- hard rock
- gravel oversize from soft rock or hard rock
- bricks
- firestone
- glass
- recycling of reinforced concrete, ordinary concrete or other brittle-hard materials

Technical Data

Performance

Impact Crushers

Type	Rotor		Number of hammers	Feed Opening		Feed Size max. mm	Throughput max. t/h ¹⁾	Drive Power kW
	Diameter mm	Width mm		Width mm	Height mm			
PB 0806	800	620	2	650	600	400	70	55
PB 0810	800	1030	2	1070	670	400	90	90
PB 1010	1000	1010	3	1060	850	600	135	132
PB 1013	1000	1280	3	1310	800	600	160	160
PB 1016	1000	1580	3	1600	850	600	180	200
PB 1212	1250	1250	4	1350	1150	800	225	200
PB 1216	1250	1580	4	1650	1150	800	335	250
PB 1314	1300	1400	4	1400	1900	1200	500	315
PB 1516	1500	1600	4	1600	1900	1500	700	350
PB 1518	1500	1800	4	1800	2500	1600	900	500

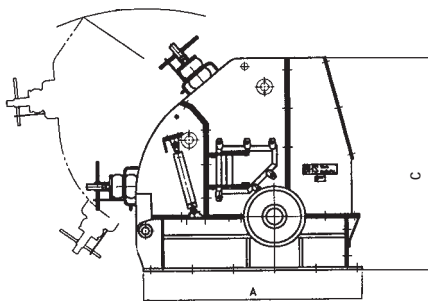
1) depending on type of rock, rotor circumferential speed and percentage of max. particle size in the grading curve

Impact Mills

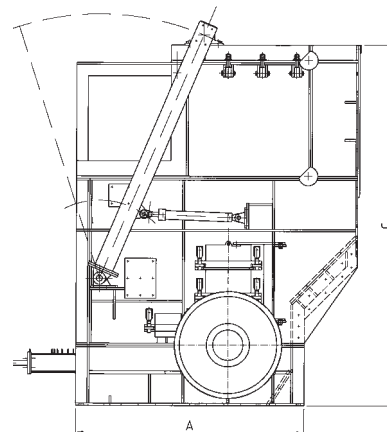
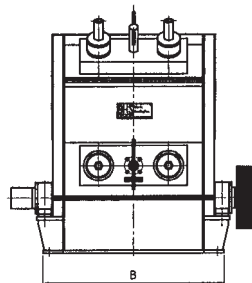
Type*	Feed Size max. mm	Throughput max. t/h ¹⁾
PM 0806	250	40
PM 0810	250	70
PM 1010	300	100
PM 1013	300	120
PM 1016	300	160
PM 1212	350	200
PM 1216	350	300

* other data same as respective impact crushers

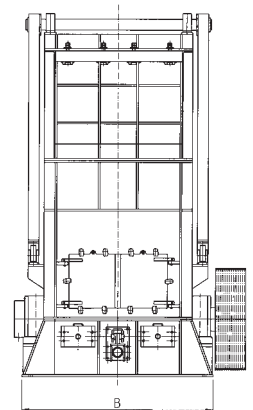
Dimensions



Impact Crushers / Impact Mills



Large-Scale Impact Crushers



Impact Crushers

Type	A mm	B mm	C mm	Weight kg
PB 0806	1775	1120	1900	4.400
PB 0810	1775	1540	1900	6.500
PB 1010	2250	1540	2280	9.500
PB 1013	2250	1810	2280	11.000
PB 1016	2250	2080	2280	14.500
PB 1212	2400	1940	2850	20.000
PB 1216	2400	2270	2850	23.000

Impact Mills

Type*	C mm	Weight kg
PM 0806	2115	5.000
PM 0810	2115	7.200
PM 1010	2500	10.500
PM 1013	2500	13.500
PM 1016	2500	16.000
PM 1212	3100	22.000
PM 1216	3100	25.000

* other dimensions same as respective Impact Crushers

Large-Scale Impact Crushers

Type	A mm	B mm	C mm	Weight kg
PB 1314	3000	2500	4700	38.000
PB 1516	3000	2640	4750	63.000
PB 1518	3000	2900	5400	70.000

Technical data may change due the technical progress.

Subject to modification without notice.

BHS...you profit from our wealth of experience!



Crushing test centre in Sonthofen

BHS Product Range:

Mixer

- Twin-Shaft Batch Mixer
- Twin-Shaft Continuous Mixer
- Single-Shaft Continuous Mixer

Mixing Plants

- Mobile Concrete Plants
- Stationary Concrete Plants
- Special Mixing Plants
- Plant Modifications/Retrofit

Crushing Technology

- VSI Rotor Impact Mill
- VSI Rotor Centrifugal Crusher
- Impact Crusher/Mill
- Rotorshredder

Processing Plants

- Aggregate Industry
- Recycling Industry

Service:

- Mixing and Crushing Tests in our Factory
- Spare Parts/After Sales Service

How to find us:



BHS-Sonthofen GmbH
Hans-Böckler-Straße 7
D-87527 Sonthofen / Germany
Phone +49 83 21 802-200
Fax +49 83 21 802-220
info@bhs-sonthofen.de
www.bhs-sonthofen.de

BHS
SONTHOFEN