



# PRIMARY JAW CRUSHER

## **BP/BP BI**





**"Because we know our job  
and experience counts"**

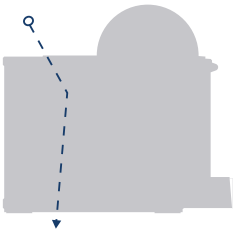
Ulderico Baioni, President of Baioni



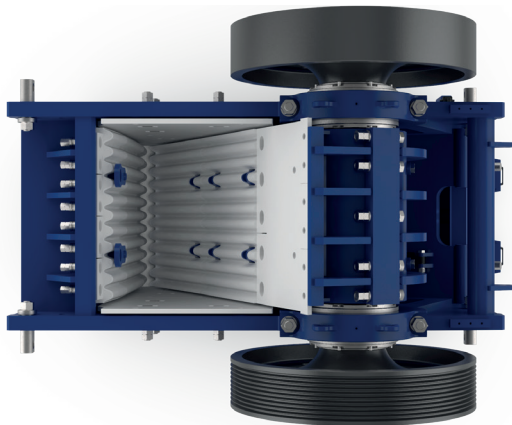
# PRIMARY JAW CRUSHER

In the heart of the machine

Maximum productivity



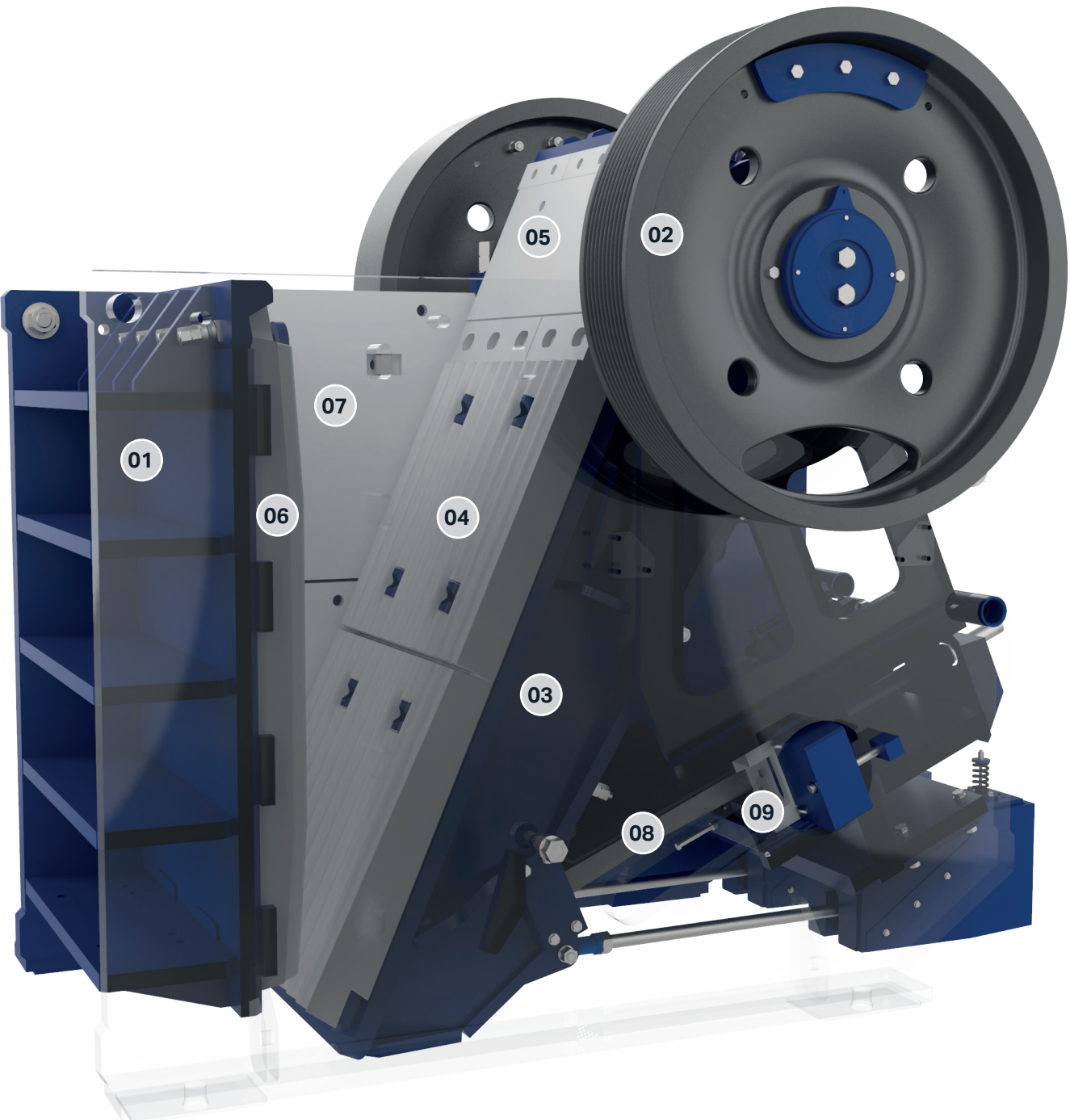
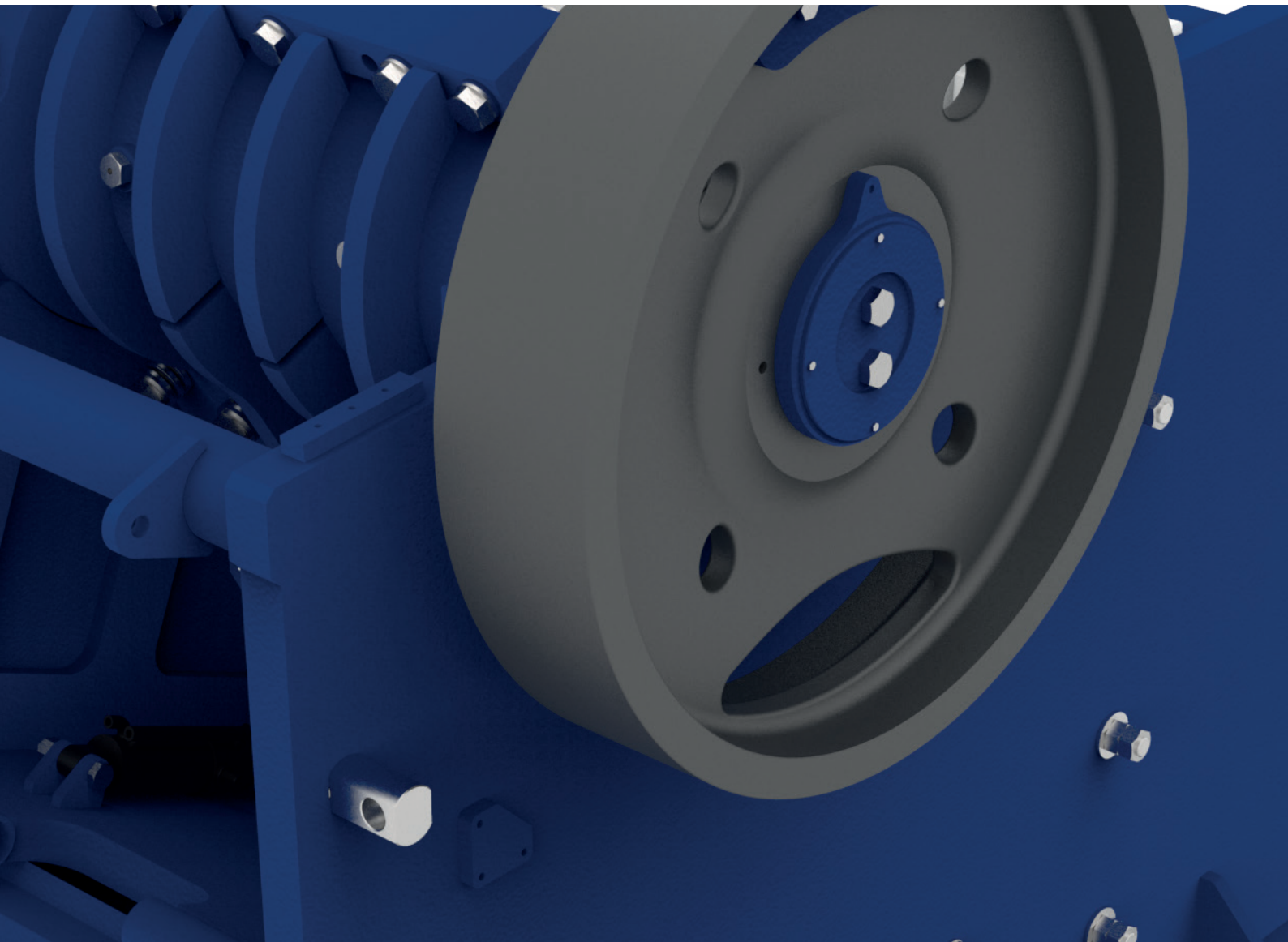
- Jaw crusher**  
Efficient and reliable.
- Compact in size**  
Low maintenance costs.
- Free production**  
Based on application - stationary and portable.



The BP and BP BI series primary jaw crushers were originally engineered and manufactured to meet the needs of any type of quarry, in terms of size and type of the material to be processed and capacity, for outputs ranging from 50 to 900 t/h.

Today, the BP series also includes the BP-B series for wider full range, designed for mobile applications. The long experience in the quarrying, mining and construction industry, associated with a large number of installations worldwide, allows us to be constantly updated with the global trends and changes, through an on-going internal design focused on providing a reliable and efficient crusher, suitable to crush any kind of material, both hard and abrasive, with low energy and maintenance costs.

- |                      |                             |                        |
|----------------------|-----------------------------|------------------------|
| <b>01</b> Frame      | <b>04</b> Mobile jaw        | <b>07</b> Armours      |
| <b>02</b> Flywheel   | <b>05</b> Oscillator shield | <b>08</b> Toggle plate |
| <b>03</b> Oscillator | <b>06</b> Fixed jaw         | <b>09</b> Cushion      |





# PRIMARY JAW CRUSHER UNIT

**Quality assurance and technical construction of BP jaw crusher** is given by a series of precision mechanical and engineering work using large-size equipment in our workshop and by special welding procedures and heat treatments.

## Crusher main features

- simple, robust design
- high reduction ratio
- highly versatile

**01** Oscillator

**02** Toggle plate

**03** Oscillator tie rods

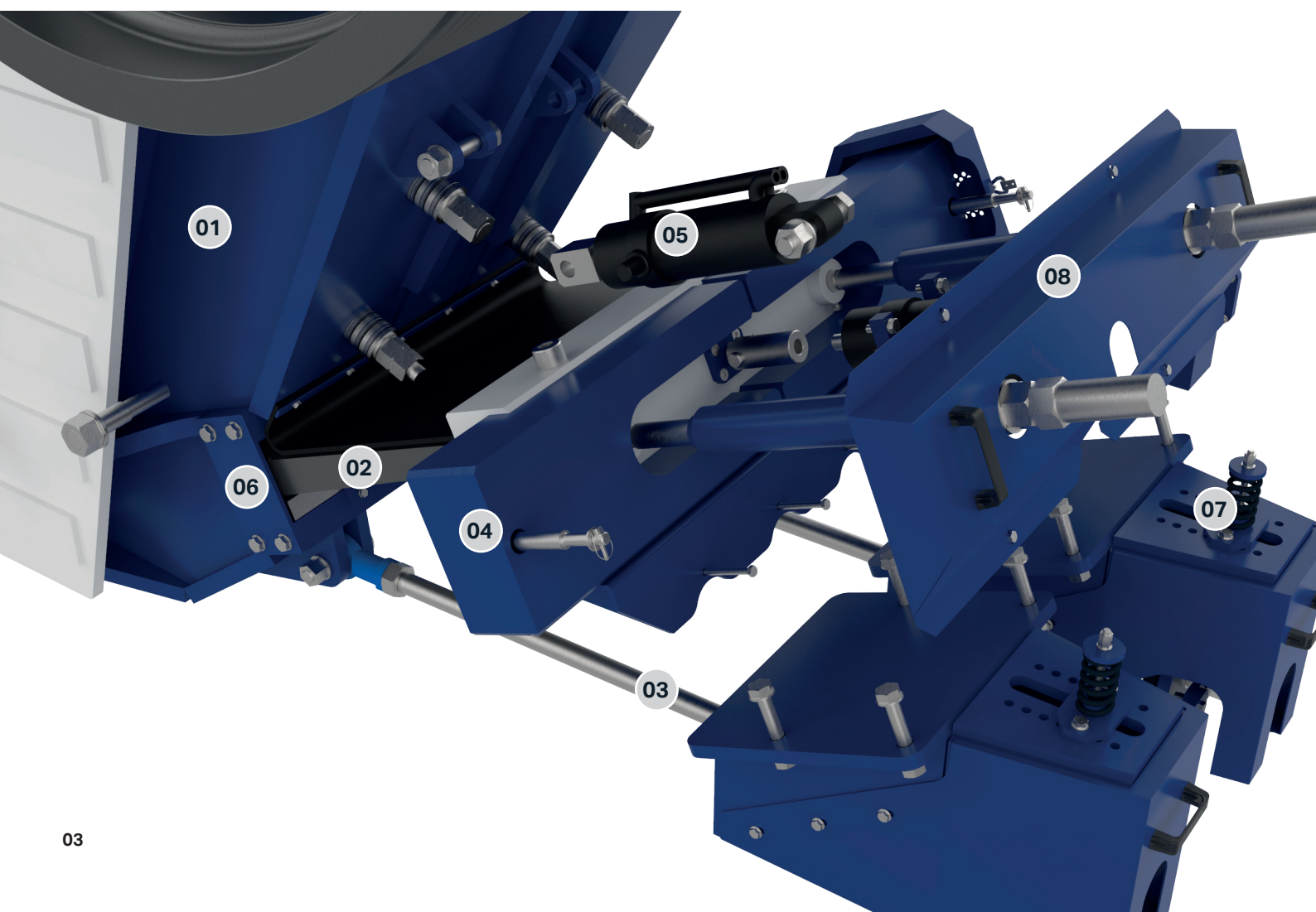
**04** Adjustment shims

**05** Adjustment piston

**06** Cushion

**07** Oscillator tie rods springs

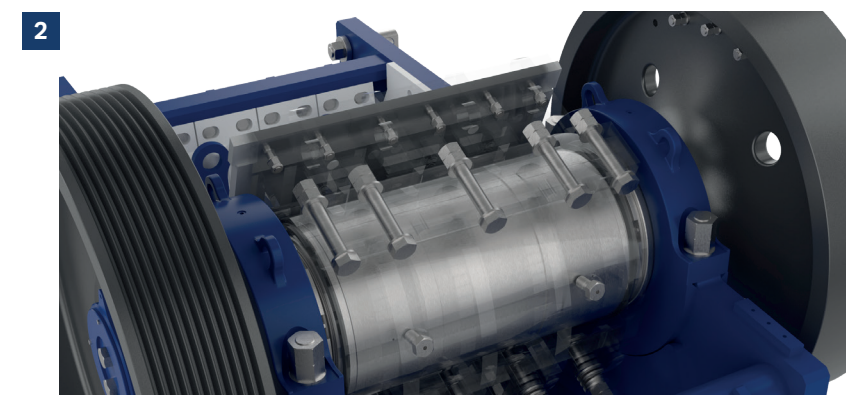
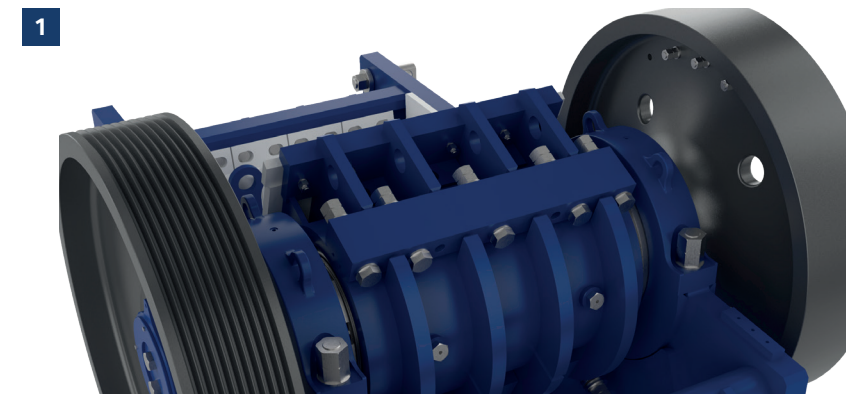
**08** Adjustment system



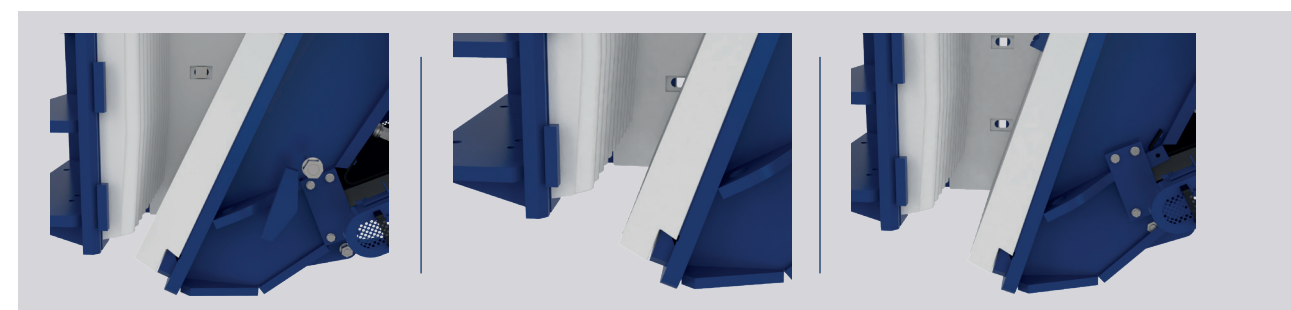
**Oscillator shaft was conceived, designed and sized to achieve the best performance of the crusher, for a constant and long-lasting output.**

**The jaws setting is to be measured between the top and the base of the tooth.**

The setting of the gap between the fixed and mobile jaw, which determines the size of crushed material and the output size, is controlled by approaching or moving away the mobile jaw.



Jaws setting in the lower part.



**By means of a manual and hydraulic jack and then inserting some adjustment shims behind the thrust cushion.**

The toggle is placed behind the oscillator and it keeps the jaws at the right distance, once the adjustment has been made.

The toggle prevents damage to the crusher in case of non-crushable materials fall into the chamber.

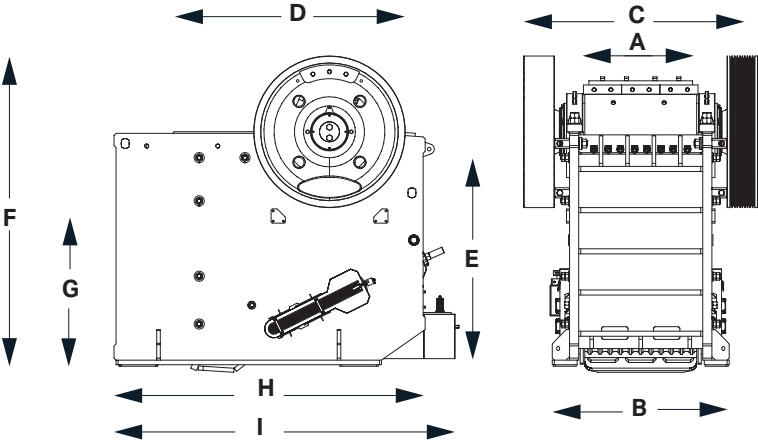


TECHNICAL DATA OF PRIMARY JAW CRUSHER

Characteristics, photos and dimensions are not binding. Baioni Crushing Plants SpA reserves the right to modify the specifications without prior notice.

- I In case of particularly heavy work conditions the Baioni Company reserves the right to increase motor power.
- II R = reversible; F = fixed position

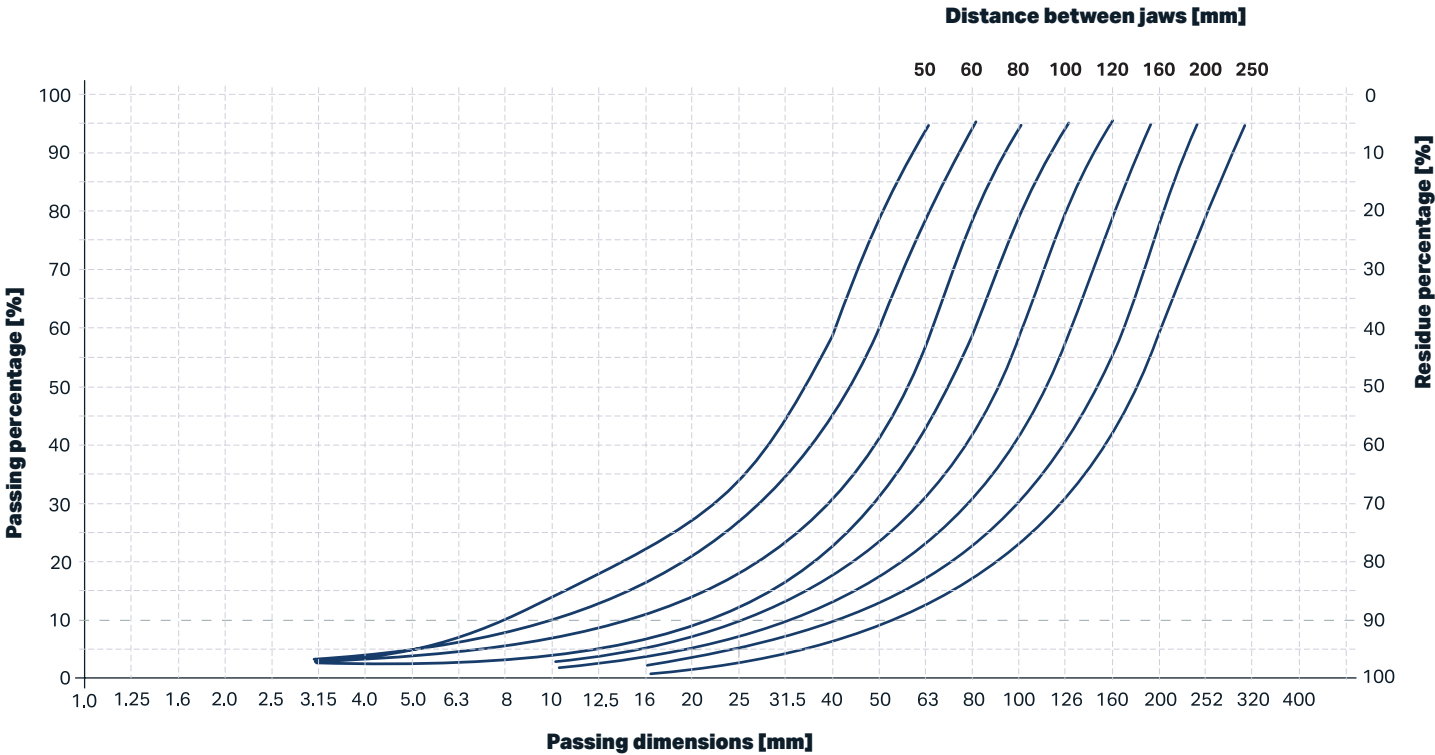
Modello	Mouth Top Opened (mm)	II Jaws (nr. - type)	Max feeding size (mm)	Mobile jaw length (mm)	Fixed jaw length (mm)	I Engine power (kW)	Weight without mot. (Kg)	Weight with motor (Kg)
BP 700/500	700x500	2R	420	1.035	900	45 S	6.400	7.320
BP 90/60 B	900x600	2R	510	1.320	1.200	75 S	11.700	12.940
BP 100/60 BI	1.000x600	2R	510	1.320	1.200	75 S	12.442	13.436
BP 110/70 B	1.100x750	2R	640	1.680	1.520	110 G	21.150	22.680
BP 110/95 B	1.100x970	1R+2F	820	2.100	1.850	132 G	30.900	32.940
BP 130/85 B	1.300x860	1R+1R	730	1.900	1.720	132 G	32.200	34.370
BP 130/95 B	1.300x970	1R+1R	820	2.075	1.840	132 G	42.000	44.270
BP 1300/1100	1.300x1.100	2R+2F	940	2.260	1.980	160 G	51.400	53.500
BP 1500/1250	1.500x1.250	2R+2F	1.060	2.500	2.200	200 G	70.000	72.360



DIMENSIONS OF PRIMARY JAW CRUSHER

Type	A	B	C	D	E	F	G	H	I
BP 700/500	720	1.160	1.670	1.100	1.200	1.750	1.013	1.800	1.824
BP 90/60 B	900	1.460	1.680	1.260	1.445	2.075	1.451	2.161	2.452
BP 100/60 BI	1.000	1.536	1.862	-	1.445	2.075	-	2.241	2.800
BP 110/70 B	1.100	1.760	2.060	1.490	1.874	2.619	1.859	2.610	2.887
BP 110/95 B	1.100	1.740	2.280	1.490	2.305	3.050	2.290	3.060	3.317
BP 130/85 B	1.300	1.960	2.500	1.490	2.111	2.856	2.096	2.880	3.131
BP 130/95 B	1.300	1.960	2.637	1.895	2.460	3.408	2.345	3.335	3.630
BP 1300/1100	1.300	2.050	2.590	1.895	2.680	3.630	2.380	3.420	4.370
BP 1500/1250	1.520	2.290	2.920	2.080	2.940	3.980	2.600	3.785	4.620

DIAGRAM



JAW SETTING (mm)

Type	50	60	75	85	100	110	120	135	150	170	200	220	250	270
BP 700/500	42	51	66	75	90	100	---	---	---	---	---	---	---	---
BP 90/60 B	---	71	92	107	129	143	158	180	---	---	---	---	---	---
BP 100/60 BI	---	78	100	118	142	158	174	200	---	---	---	---	---	---
BP 110/70 B	---	---	115	140	170	190	210	240	270	310	---	---	---	---
BP 110/95 B	---	---	---	---	162	198	222	246	283	319	368	440	---	---
BP 130/85 B	---	---	---	162	198	222	246	283	319	368	440	---	---	---
BP 130/95 B	---	---	---	---	208	234	260	299	338	390	468	520	---	---
BP 1300/1100	---	---	---	---	---	255	284	328	371	429	515	573	630	---
BP 1500/1250	---	---	---	---	---	---	338	390	444	515	622	692	800	870

III - MAX OUTPUT (t/h)

- III The max. output values refer to the machine with regular and constant feeding of mixed size material moderately hard having a maximum dimension of about 2/3 of the feed mouth opening with a stockpile weight of about 1,6 t/m3.  
The jaws setting is to be measured between the top and the base of the tooth.














# CUSTOMER SERVICE



To grow together and achieve the best

Baioni provides a complete and professional after-sales service ensuring assistance and maintenance where required. For each plant, in every part of the world, spare parts and, where necessary, specialized technicians are sent, minimizing the downtime. **The Baioni Crushing Plants spare parts service is responsible for the after-sales management of equipment, ensuring a timely supply of the parts requested by the customer;** ready assistance to solve any problem and a continuous and competent information service on the characteristics of the machine and on the consultation of the documentation supplied with it. **From the moment of purchase, the Baioni customer is assisted in all phases of operation by competent technical and commercial consultants.** Baioni customer service programs also internal training courses for technicians who dedicate themselves every day to the care and maintenance of the machines; they are offered a training on site or at the Monte Porzio headquarter where every type of machine is available for testing and check.

-  Consultancy
-  R&D
-  Design
-  Technical and sales assistance
-  Site inspection
-  Production
-  Assembly and start-up
-  Staff training
-  After sales
-  Spare parts
-  Maintenance and service



## Headquarter

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