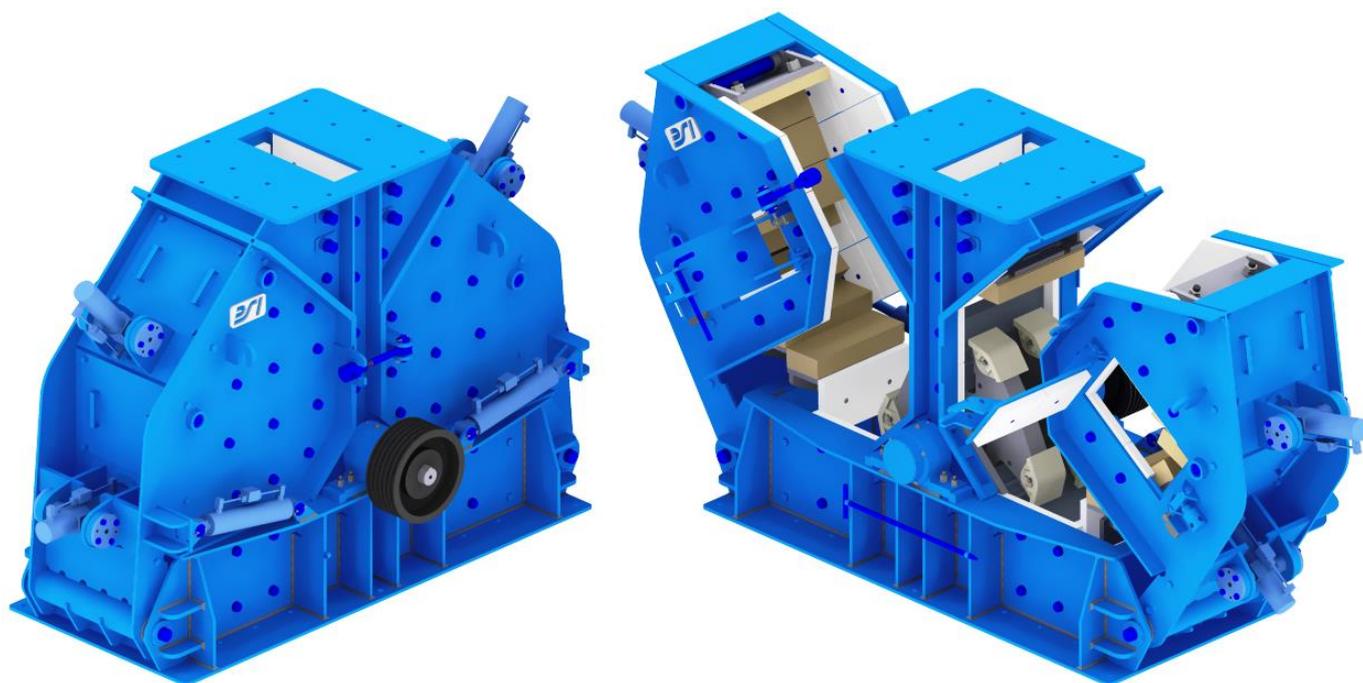


**SECONDARY REVERSIBLE  
HORIZONTAL AXIS  
IMPACT MILLS  
PGC SERIES**



**B.S.I. srl**  
**SOCIETA' BRESCIA IMPIANTI**



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## SECONDARY REVERSIBLE HORIZONTAL AXIS IMPACT MILLS PGC SERIES

### MAIN TECHNICAL DATA

	PGC1105	PGC1107	PGC1110	PGC1113
<b>Feed size – mm (1)</b>	10 - 100	10 - 100	10 - 100	10 - 100
<b>Output particle size - mm</b>	0 - 30	0 - 30	0 - 30	0 - 30
<b>Capacity – t/h</b>	40 - 60	60 - 90	70 - 120	85 - 150
<b>Motor size - kW</b>	110 - 132	132 - 160	132 - 200	160 - 200
<b>[rpm]</b>	850 - 950	850 - 950	850 - 950	850 - 950
<b>% Output - sieve 5mm</b>	40 - 60	40 - 60	40 - 60	40 - 60
<b>% Output - sieve 12mm</b>	70 - 85	70 - 85	70 - 85	70 - 85
<b>Rotor diameter - mm</b>	1100	1100	1100	1100
<b>Rotor width - mm</b>	500	750	1000	1300
<b>Hammers number</b>	3	3	3+3	3+3
<b>Hammer weight - kg</b>	102	170	102	130
<b>Weight - t</b>	7.0	10.0	12.0	15.0

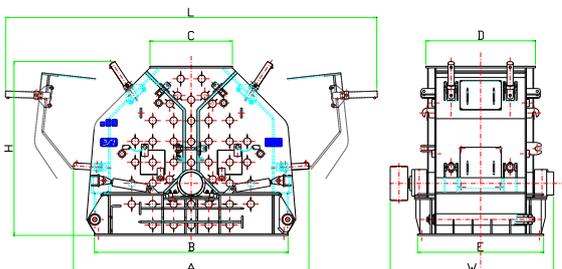
1) Material of greater dimension can be treated by varying rotor speed or employing hammers with different characteristics. These values apply to materials with a density of 1,6 t/m<sup>3</sup> in pile. The mill is an element of the plant, so its performance depends in part on the correct functioning of belts, screens, framework, electric motor and transmission, eventual intermediate silo and feeder. Indicated features are not binding and the B.S.I. reserves the right to edit them for commercial reasons without notice. For the size of the machines, please contact the B.S.I. specifying the type of your interest.

### TECHNICAL FEATURES

B.S.I. Secondary reversible impact mills PGC Series, characterized by a wide range use, are particularly suited for the crushing of aggregates of various types for the sand and fine grit production with a low content of filler and a grading curve, outgoing, contained in its excursion. The ease of use and low maintenance required make them ideal machines for the crushing of gravel and crushed stones.

- High reduction ratio
- Excellent cubicity of produced material
- Less sensitive to humidity and colloidal materials than competitive machines
- Multipurpose machines suitable for the mining and construction industry, particularly suitable for applications and recycling.

- **double rotation direction of the rotor**, with consequent halved machine downtime compared to a not reversible machine.
- **framework and mobile walls** built for heavy-duty service, made of steel sheet, electrowelded. Designed to withstand the over stresses that occur in case of hammers breakage.
- **rotor shaft** for heavy-duty service, of steel with high fatigue resistance, supported by oscillating roller bearings widely oversized, which guarantee the highest assurance even in heavy duty.
- **rotor** for heavy-duty service, of steel, consists of several sectors, independent of each other, put in phase and fixed on the shaft by clamping.
- **shaft supports** for heavy-duty service, of steel, with grease labyrinths for the protection of bearings.
- **hydraulic opening** of the mobile walls via hydraulic cylinders equipped with the opening speed and safety valves adjustment to prevent accidental closing of the movable walls during the maintenance operations.
- **hydraulic adjustment** of the opening lights of the impact wall, by means of hydraulic cylinders equipped with speed regulation and security valves to prevent unintentional movement of the walls during the maintenance operations.
- **reversible hammers** for heavy-duty service, placed in the rotor without any looking. Made of chrome alloy with hardness 500-600 HRB (standard) or, depending on the type of use, with different hardness to define case by case.
- **impact armours** for heavy-duty service, of chrome alloy with hardness 56-62 HRC (standard). Only a single model, with consequent considerable reduction in inventories and are bolted to the impact walls.
- **Side plates** for heavy-duty service, of antiwear steel 500 HB, thick. Only three models, with consequent considerable reduction in inventories and are bolted to the side walls.
- **double effect oleo dynamic cylinders** for heavy-duty service, complete of connections with quick coupling.
- **grease lubrication** by greasers placed on the supports, which allow manual lubrication of bearings and dustproof labyrinths, from location convenient and safe even when the machine working.



	A	B	C	D	E	H	L	W
PGC1105	2950	2350	1000	800	1030	1855	4280	1295
PGC1107	2950	2350	1000	1050	1280	1855	4280	1660
PGC1110	2950	2350	1000	1300	1530	1855	4280	1985
PGC1113	2950	2350	1000	1600	1830	1855	4280	2285