



Shanghai ShiBang Machinery CO.,LTD

-----PRODUCT INTRODUCTION-----

PFW impact crusher

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PFW Impact Crusher Introduction

Shanghai Shibang Machinery Co., Ltd. is one of the worldwide advanced enterprises for manufacturing rock and mineral processing equipments. Since the late 20th century, there are millions of crushing equipments being installed all over the world. Nowadays, the PFW impact crusher with European style will undoubtedly become the most favorite crusher.

Rotor is not only the “heart” of impact crusher, but also the crucial part in the acceptance check of impact crusher. Rotor plays the significant role during the work; therefore, Shanghai Shibang develops and produces heavy rotor with rigid structure for getting higher moment of inertia. High wearable material and optimum crushing cavity bring the outstanding performance of PFW series impact crusher.

PFW series impact crusher improves the adjusting device, the operation becomes more convenient.

The tri -cavity makes excellent capability in the fine crushing and super fine crushing line.

The bi-cavity can simplify the process flow in the coarse crushing line.



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PFW Impact Crusher Features

1. Adopting world-class manufacture technique, selecting high-grade raw material.
2. High quality rotor with heavy design and strict inspection.
3. Bearing adopts the integrated cast-steel structure, which ensures the perfect match with crusher frame. Meanwhile, it greatly increases the radial intensity of bearing seat.
4. Unique fixing device of blow bar brings higher reliability.
5. Reformative adjusting device decrease the time of machine stop and overhaul.
6. Self-own open-top device can quickly finish the replacement of wearing parts.
7. Larger bearing specification and higher carrying capacity.
8. Rotor analysis ensures stableness and reliability.

PFW Impact Crusher Application

SBM PFW impact crusher is mainly applied to metallurgy, mine, cement, chemical plant, fireproof material, porcelain industries and so on. It is widely



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used in expressway, water conservancy project, construction gravel, machine-made sand areas. And it is perfectly suitable for primary, secondary, tertiary crushing of soft and mid-hard rocks and ores.

PFW Impact Crusher Working Principle

PFW impact crusher is a crushing machine which crushes the material by impact energy. When the material is fed into the blow bar active region, it is crushed by high-speed impact of blow bar, and then cast upon the impact plate to be crushed again. The impact plate is installed above the rotor. Whereafter the material is rebounded from the impact plate to blow bar active region, and to be re-crushed. This course keeps going until the material is crushed to the needed size, and discharged from the underside of impact crusher. The clearance between the impact rack and rotor rack can be adjusted in order to change the material size and material shape. PFW impact crusher adopts spring insurance device. When the non-crushing material enters the crushing cavity, front and rear impact racks move backward, then the non-crushing material will be discharged inside the impact crusher machine.

Attention: No feeding non-crushing materials like metal, as it will cause huge damage to impact crusher equipment.



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PFW Impact Crusher Technical Parameter

Table 1 (tri-cavity)

Type	Spec.	Feed Opening Size (mm)	Max. Feed Size (mm)	Crushing Capacity (t/h)	Motor Power (kW)	Weight (t)	Dimension (mm)
PFW1210Ⅲ	Φ1150X960	570X990	250	70-120	90-110	15.0	2550X1870X2100
PFW1214Ⅲ	Φ1150X1400	570X1430	250	90-170	132-160	19.0	2550X2310X2100
PFW1315Ⅲ	Φ1300X1500	625X1530	300	180-270	160-200	25.0	2960X2570X2380
PFW1318Ⅲ	Φ1300X1800	625X1830	300	220-300	200-250	30.0	2960X2870X2380



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Table 2 (bi-cavity)

Type	Spec.	Feed Opening Size (mm)	Max. Feed Size (mm)	Crushing Capacity (t/h)	Motor Power (kW)	Weight (t)	Dimension (mm)
PFW1210II	Φ1150X960	1100X1030	400	90-160	90-110	17.0	2400X1870X2550
PFW1214II	Φ1150X1400	1100X1430	500	130-200	132-160	22.0	2400X2310X2550
PFW1315II	Φ1300X1500	1200X1530	600	180-320	160-200	29.0	2700X2570X2800
PFW1318II	Φ1300X1800	1200X1830	700	240-400	200-250	34.0	2700X2870X2800

Note : there is any modification, all parameter and overall dimension are subject to the operating instructions.



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