

Operating Instruction

JAW CRUSHER



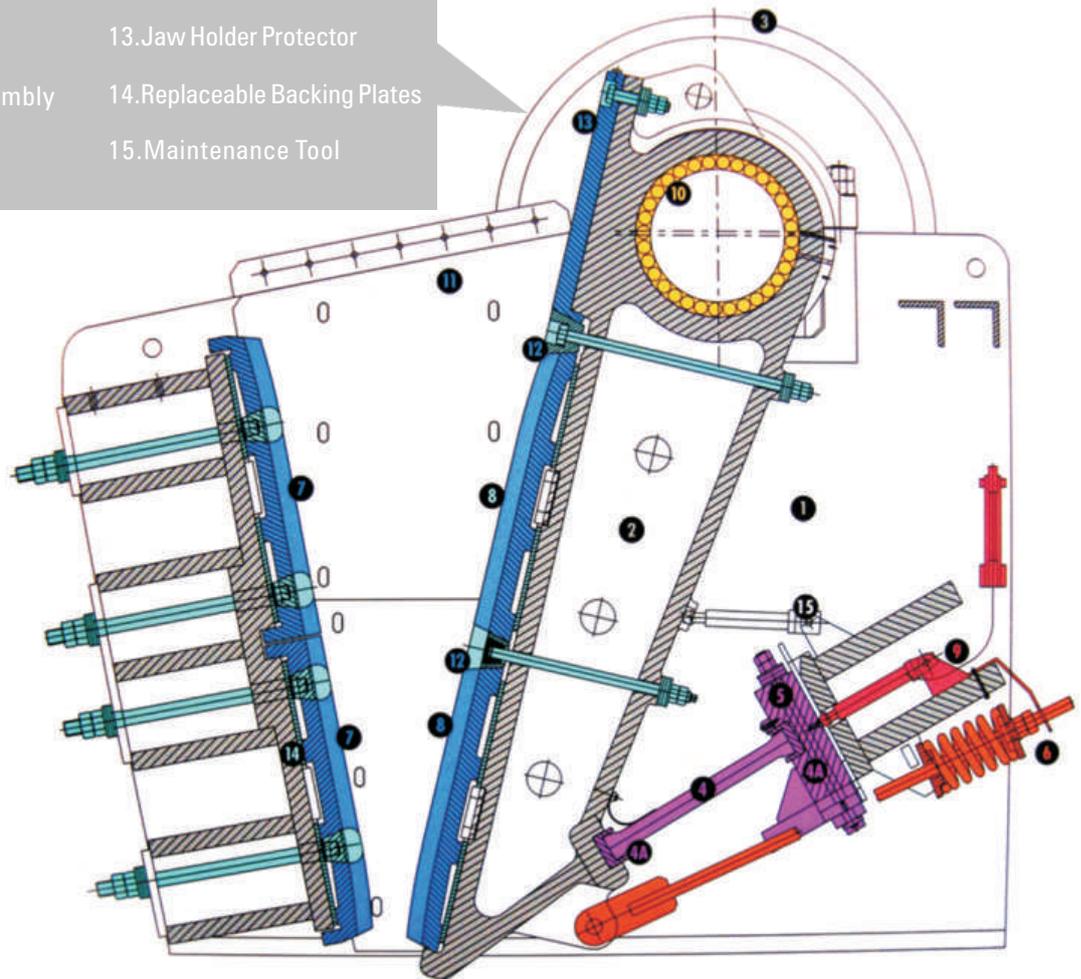
Henan Hongxing Heavy Machinery Co., Ltd.

Overview

Jaw crusher is a crushing machine that is researched and developed very early. With simple and solid structure, reliable work, easy maintenance and repair and low production and construction fees, it has long been widely used for the coarse, medium and fine crushing of various kinds of ores and rocks whose compression strength is 147~245MPa in many industrial

departments such as metallurgy, chemistry, building material, power plant and transportation. In recent years, to satisfy the requirement of crushing micro-carbon ferro chrome with high strength and high hardness in the industrial departments of metallurgy, mine and building, our company has specially researched and manufactured powerful jaw crusher.

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|------------------------|-------------------------------|
| 1.Main Frame | 8.Moving Jaw-Faces |
| 2.Jaw-Holder | 9.Hydraulic Adjustment |
| 3.Fly Wheel&Vee Pulley | 10.Shaft Assembly |
| 4.Toggle | 11.Side Liners |
| 4A.Toggle Seats | 12.Jaw Face Wedges |
| 5.Toggle Block | 13.Jaw Holder Protector |
| 6.Tension Rod Assembly | 14.Replaceable Backing Plates |
| 7.Fixed Jaw-Faces | 15.Maintenance Tool |

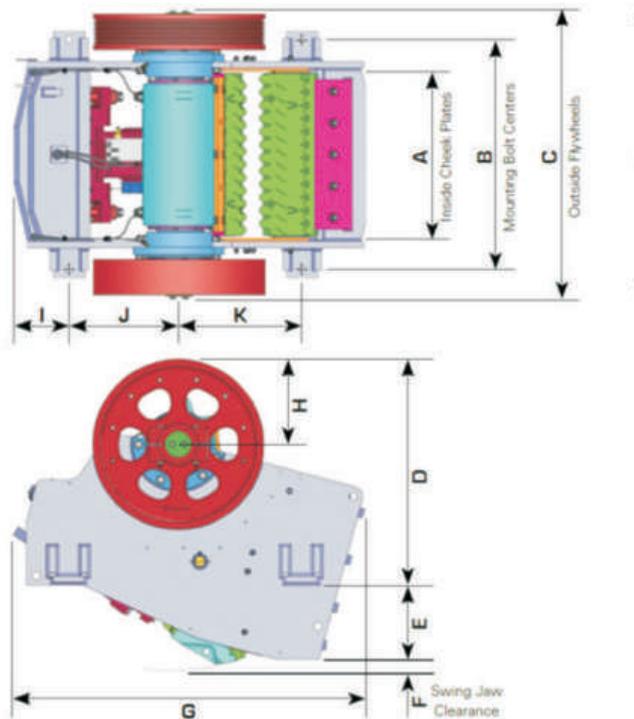


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|--|---|--|
| ● Wear Part | ● Main Frame & Jaw-Holder | ● General Part |
| ● Hydraulic System | ● Roller Bearings | ● Toggle Mechanism |
| ● Tension Rod Assembly | | |

The Handling Materials and Application of Jaw Crusher:

Jaw crusher is mainly used for the medium-granularity crushing of all kinds of ores and large materials in mine, metallurgy, building

material, highway, railway, water conservancy and chemistry. The maximum compression strength of the materials to be crushed is 320MPa.



1. Big crushing ratio, simple structure, reliable operation, simple repair, lower transportation cost.
2. Jaw crusher can be used in all kinds of material being applied for primary and secondary crushing.
3. Long lifespan of wearing parts, simple replacement, big capacity, lower maintenance cost, cost-effective.
4. Competitive price, best quality, big processing capacity, simple craftsmanship.

The Advantages and Benefits of Jaw Crusher:

Jaw crusher is a crushing machine that is researched and developed very early. With simple and solid structure, reliable work, easy maintenance and repair and low production and construction fees, it has long been widely used for the coarse, medium and fine crushing of

various kinds of ores and rocks whose compression strength is 147~245MPa in many industrial departments such as metallurgy, chemistry, building material, power plant and transportation.

Characteristics:

Processing capacity: 1-2200t/h

Feed opening: 150×250-300×1300mm

Feeding size: 125-250mm

Applied material: limestone, fly ash, coal powder, slag



Technical data :

Model	Feed opening (mm)	Max.feeding size (mm)	Adjusting range of discharge opening (mm)	Processing capacity (t/h)	Rotation speed of eccentric shaft (r/min)	Motor power (kw)	Total weight (t)	Dimensions (L×W×H) (mm)
PE-150×250	150×250	125	10-40	1-3	250	5.5	0.8	720×660×850
PE-200×300	200×300	180	15-50	2-6	260	7.5	1.2	910×750×990
PE-200×350	200×350	180	18-70	3-10	260	11	1.5	1000×870×990
PE-250×400	250×400	210	20-60	5-20	300	15	2.8	1300×1090×1270
PE-400×600	400×600	340	40-100	16-60	275	30	7	1730×1730×1630
PE-500×750	500×750	425	50-100	40-110	275	55	12	1980×2080×1870
PE-600×750	600×750	500	150-200	80-240	275	55	15.8	2070×2000×1920
PE-600×900	600×900	500	65-160	50-180	250	55	17	2190×2206×2300
PE-750×1060	750×1060	630	80-140	110-320	250	110	29	2660×2430×2800
PE-800×1060	800×1060	640	130-190	130-330	250	110	29.8	2710×2430×2800
PE-830×1060	830×1060	650	160-220	150-336	250	110	30.7	2740×2430×2800
PE-870×1060	870×1060	660	200-260	190-336	250	110	31.5	2810×2430×2800
PE-900×1060	900×1060	685	230-290	230-390	250	110	33	2870×2420×2940
PE-900×1200	900×1200	750	95-165	220-450	200	110	52	3380×2870×3330
PE-1000×1200	1000×1200	850	195-265	315-500	200	110	55	3480×2876×3330
PE-1200×1500	1200×1500	1020	150-350	400-800	180	160-220	100.9	4200×3300×3500
PE-1500×1800	1500×1800	1200	220-350	500-1000	180	280-355	122	5160×3660×4248
PE-1600×2100	1600×2100	1500	300-400	1300-2200	160	350-380	150.6	6210×4013×4716
PEX-150×750	150×750	120	18-48	8-25	320	15	3.8	1200×1530×1060
PEX-250×750	250×750	210	25-60	13-35	330	30	5.5	1380×1750×1540
PEX-250×1000	250×1000	210	25-60	16-52	330	30	7	1560×1950×1390
PEX-250×1200	250×1200	210	25-60	20-61	330	37	9.7	2140×1660×1500
PEX-300×1300	300×1300	250	20-90	16-105	300	55	15.6	2720×1950×1600

Working principle:

The belt and belt pulley are driven by a motor, and the movable jaw moves up and down via eccentric shaft. The angle between fixed jaw and movable jaw becomes smaller when the moving jaw runs down, then the materials are crushed into pieces. It becomes bigger when the movable jaw runs up. The movable jaw plate leaves the fixed jaw plate under the action of tension rod and spring, then the end products come out from the crushing cavity.

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