Innovative thinking makes outstanding





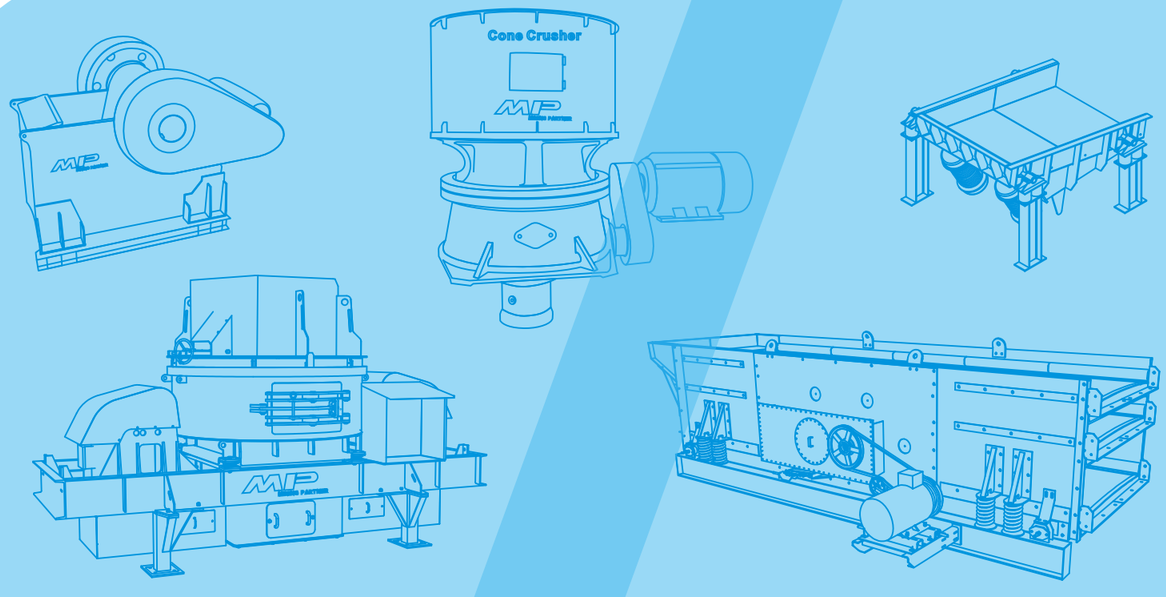
Superior Quality
Superior Service





MINING PARTNER

A Crushing and Screening Solutions Provider
Focus on Mining Service



Product Brochure
2025

MINING PARTNER

Zhejiang MP Mining Equipment Corp., Ltd
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Enterprise Honor

1 Quality Management System

ISO9001 : 2015 registered by LR


Lloyd's Register

Certificate of Approval

This is to certify that the Management System of:

Zhejiang MP Mining Equipment Corp., Ltd

No. 8 Nanshan Road, Quzhou City, Zhejiang Province 324000, China

Unified Social Credit Code: 91330800558288762

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015
GB/T 19001-2016

Approval number(s): ISO 9001 – 0005748

The scope of this approval is applicable to:

Design, manufacture of mining crusher and related equipment.

Rhett Wang
Area Operations Manager, North Asia
Issued by: Lloyd's Register Quality Assurance (Shanghai) Co., Ltd.
for and on behalf of: Lloyd's Register Quality Assurance Limited

CE Listed


CERTIFICATE OF COMPLIANCE

2 Technical Innovation

China Torch Program listed



High Tech Enterprise certificated by government


高新技术企业
证书

Quality Guaranteed

3 Patent

Software Copyright



3 State Patents
27 State Utility Patents



4 Best Supplier

High Resistance Manganese Steel Liners



Well-known Supplier

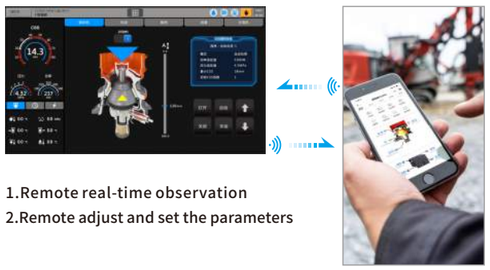
ABB
Schneider Electric 施耐德电气
INA FAG
SKF
SIEMENS 西门子
Danfoss

5 Technical Support

Technical Support on Site



Remote Technical Support



1.Remote real-time observation
2.Remote adjust and set the parameters

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About Us

Zhejiang MP Mining Equipment Corp., Ltd is a well-known crushing and screening solution provider in China. We provide crushing and screening process design, equipment R&D, producing, sales, turnkey production line, DCS control system and after-sales service for crushing, screening, and environmental industry. Mining Partner produces hydraulic cone crusher, vertical shaft impact crusher, jaw crusher, impact crusher, portable crushing plant, screen, feeder, roller crusher, and sand recycling machine, etc.

Mining Partners staffs are from diverse departments such as R&D, production, QA, sales, technical support and after-sales which could offer technical consultation, system design, system building, commissioning, maintenance and operation training.

Mining Partner persistence in ‘Quality prior, Innovation Drives, Truth Seeking’ core value to combine the advanced technology and excellent technique, we keep on developing and improving our products and focus on researching to deliver the best value to our customers. Mining Partner equipment are widely sold both domestic and overseas.

Brief Introduction on PEV Series Jaw Crusher

The PEV series jaw crusher is available in two types. One type is the well known traditional jaw crushers, like PEV110, PEV125, and PEV140. Another is designed specifically to meet the needs of small size mobile crushing plants, such as PEV96 and PEV106. All PEV series jaw crushers are used to break hard rock. Whatever feed material is, from hard and strong abrasive rock to various recycled materials, you will always find the best solution from the Mining Partner PEV series jaw crusher.



Utilization of Jaw Crusher

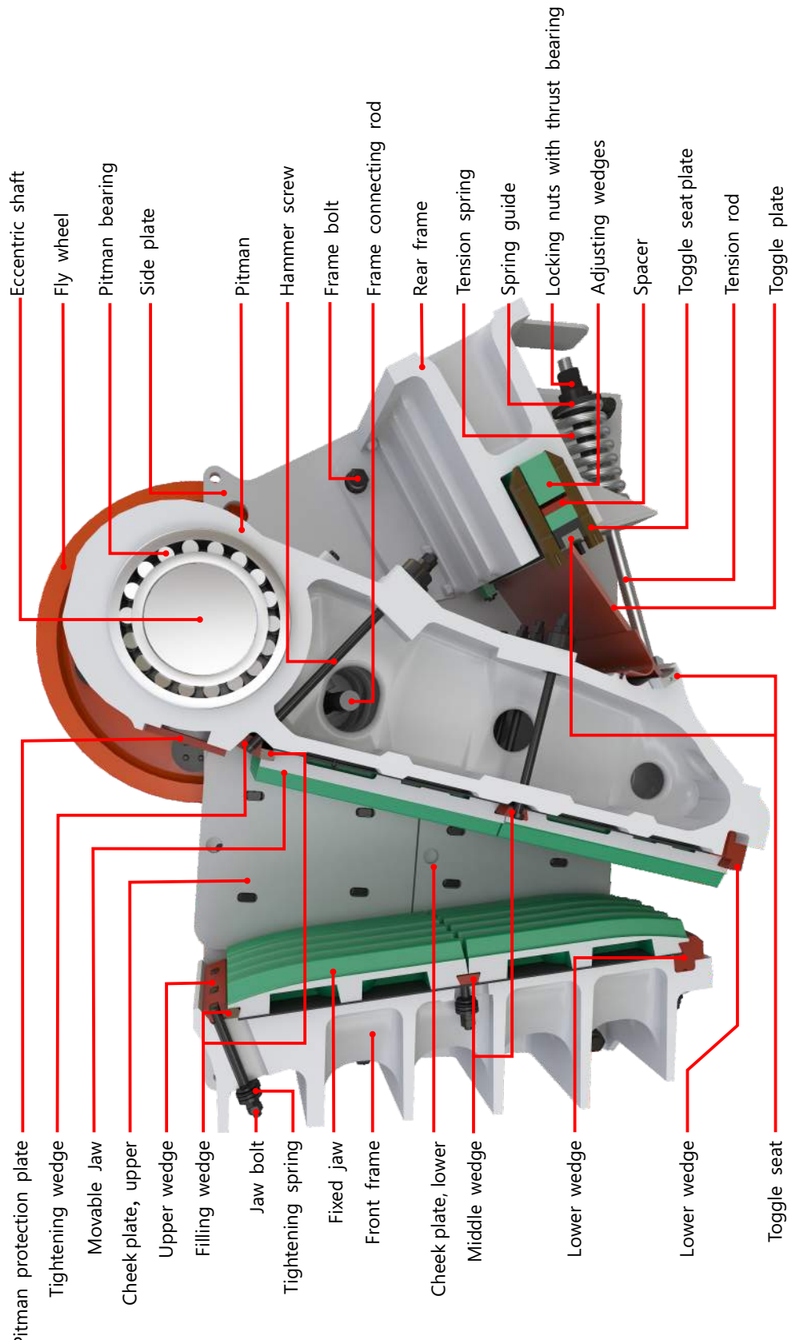
Jaw crusher is widely used in many industries such as mining, smelting, construction, road, railway, water conservancy, and chemical industry. Applied in primary and secondary crushing for ores and rocks less than 300 MPa compressive strength. Mining Partner PEV series jaw crusher is suitable as primary crushing equipment.



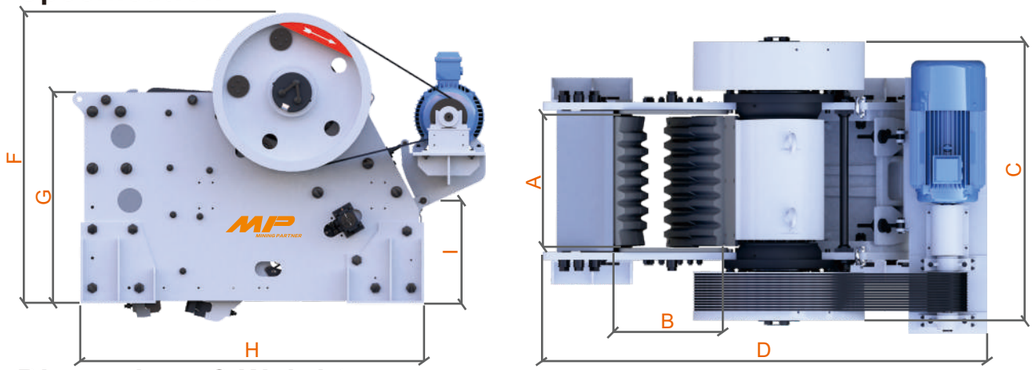
Features

- Higher capacity and crushing ratio with lower abrasion and larger feed size
- Chevron deep chamber applied, maximize the feed size, capacity and crushing ratio with lower abrasion.
- High quality casting steel applied to the durable heavy-duty pitman assembly, driven by large casting iron/steel pulley and flywheel.
- Featured an innovative modular, non-welded frame structure and integrated motor assembled, avoids stress concentration and more compact.
- Wedge adjustment settings, safer and easier than washer adjustment settings.

Detailed Structure



Specification

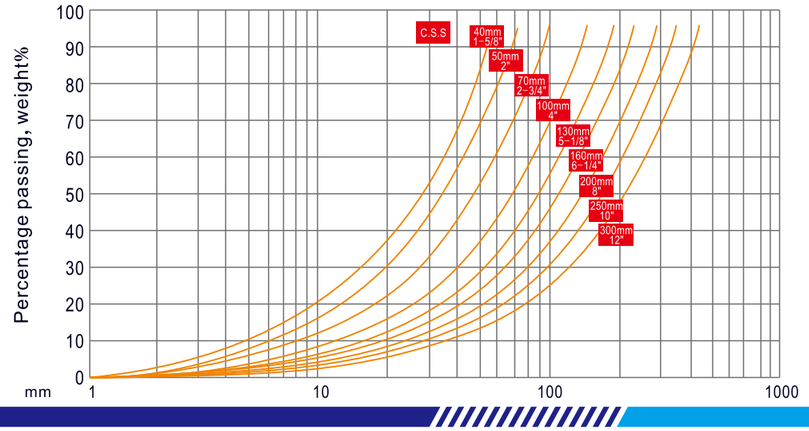


Dimensions & Weights

		PEV80	PEV96	PEV106	PEV110	PEV116	PEV120	PEV125	PEV130	PEV140	PEV150	PEV160	PEV200
A	mm	800	930	1060	1100	1150	1200	1250	1300	1400	1400	1600	2000
B	mm	510	580	700	850	800	870	950	1000	1070	1200	1200	1500
C	mm	1526	1755	2030	2385	2400	2690	2800	2650	3010	3200	3700	4040
D	mm	2577	3150	3320	3770	3600	3740	4100	4720	4400	5060	5900	6700
F	mm	1750	1930	2400	2750	2730	2940	2980	3330	3140	3960	3750	4465
G	mm	1200	1330	1615	1940	1790	2040	2100	2330	2260	2400	2650	2800
H	mm	2100	2500	2880	2820	2885	3260	3470	3890	3755	3710	4280	4870
I	mm	625	930	1170	580	1255	1280	980	1720	1050	1050	1300	1400
Basic crusher Weight [1]	kg	7670	9759	14350	25800	18600	26000	37970	40100	47120	51200	76500	121510
Operational crusher Weight [2]	kg	9520	11870	17050	29500	21500	29300	43910	44000	54010	61430	88500	137160

(1) Crusher without options.

(2) Crusher, hydraulic setting adjustment, flywheel guards, integral motor support, feed chute, automatic grease lubrication system, and typical electric motor.



Capacities & Technical specifications

		PEV80	PEV96	PEV106	PEV110	PEV116	PEV120	PEV125	PEV130	PEV140	PEV150	PEV160	PEV200
Feed opening width (mm)		800	930	1060	1100	1150	1200	1250	1300	1400	1400	1600	2000
Feed opening Depth (mm)		510	580	700	850	800	870	950	1000	1070	1200	1200	1500
Motor Power (KW)		75	90	110	160	132	160	160	160	200	200	250	400
Speed (rpm)		350	330	280	230	260	230	220	220	220	220	220	200
Product Size (mm)	CSS (mm)	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH
0-60	40	55-75											
0-75	50	65-95											
0-90	60	80-110	105-135										
0-105	70	95-135	125-155	150-185	160-220	165-205	175-240						
0-120	80	110-150	140-180	165-215	175-245	180-235	195-270						
0-135	90	125-175	160-200	190-235	190-275	205-255	210-305						
0-150	100	140-190	175-225	205-265	215-295	225-285	235-325	245-335	270-369				
0-185	125	175-245	220-280	255-325	260-360	270-345	285-395	295-405	325-466	325-445	340-470		
0-225	150	210-290	265-335	305-385	310-430	320-405	340-475	345-475	360-523	380-530	400-555	430-610	
0-260	175	245-335	310-390	355-450	350-490	370-465	385-540	395-545	435-600	435-605	460-635	495-695	630-890
0-300	200			395-500	405-555	410-520		445-615	490-677	495-685	520-720	560-790	710-1000
0-340	225							495-685	545-754	550-760	580-800	625-880	785-1105
0-375	250							545-755	600-831	610-840	640-880	685-965	865-1215
0-410	275											745-1055	940-1320
0-450	300											815-1145	1015-1435

Note: The data are collected and acquired from the local operation. Smaller closed side settings usually applied during operation. Please contact Mining Partner for specific performance in different applications.

The above specification is based on the feed material with an average specific gravity of 1.6t/m^3, succeed to feed into the crusher without choke and block. Taking the small value when excluding the capacity of the feed material finer than discharge port size. Taking the great value when including the capacity of the feed material finer than discharge port size. The capacities are variable depending on the feeding method and the material characteristics such as gradation, bulk density, moisture, clay content, and crushability.

Measurement of the crusher's closed side setting is variable depending on the jaw profile being used and impacts the crusher's capacity and gradation. The following factors willenhance crusher capacity and performance:

① More proper selection of the jaw.
② More proper feed gradation.
③ Controlled feed rate.
④ Sufficient feeder capacity and width.
⑤ Adequate crusher discharge area.
⑥ Discharge conveyor sized to convey maximum crusher capacity.



Brief Introduction on PEW Series Jaw Crusher

The PEW series jaw crusher is a single toggle jaw rusher, characterized by attention to detail, in both design and manufacture.

The frame consists of two side plates of rolled steel, plus hollow castings at front frame end and moving jaw which give a high rigidity/weight ratio. Large-radius transition areas reduce stress concentrations and welds are positioned in low-stress areas.

The advantage of a welded frame is that it is equally strong in all directions and ensures excellent durability against shock-loads. Thus minimizing the risk of failure on the main-frame, as with a bolted construction.



Utilization of Jaw Crusher

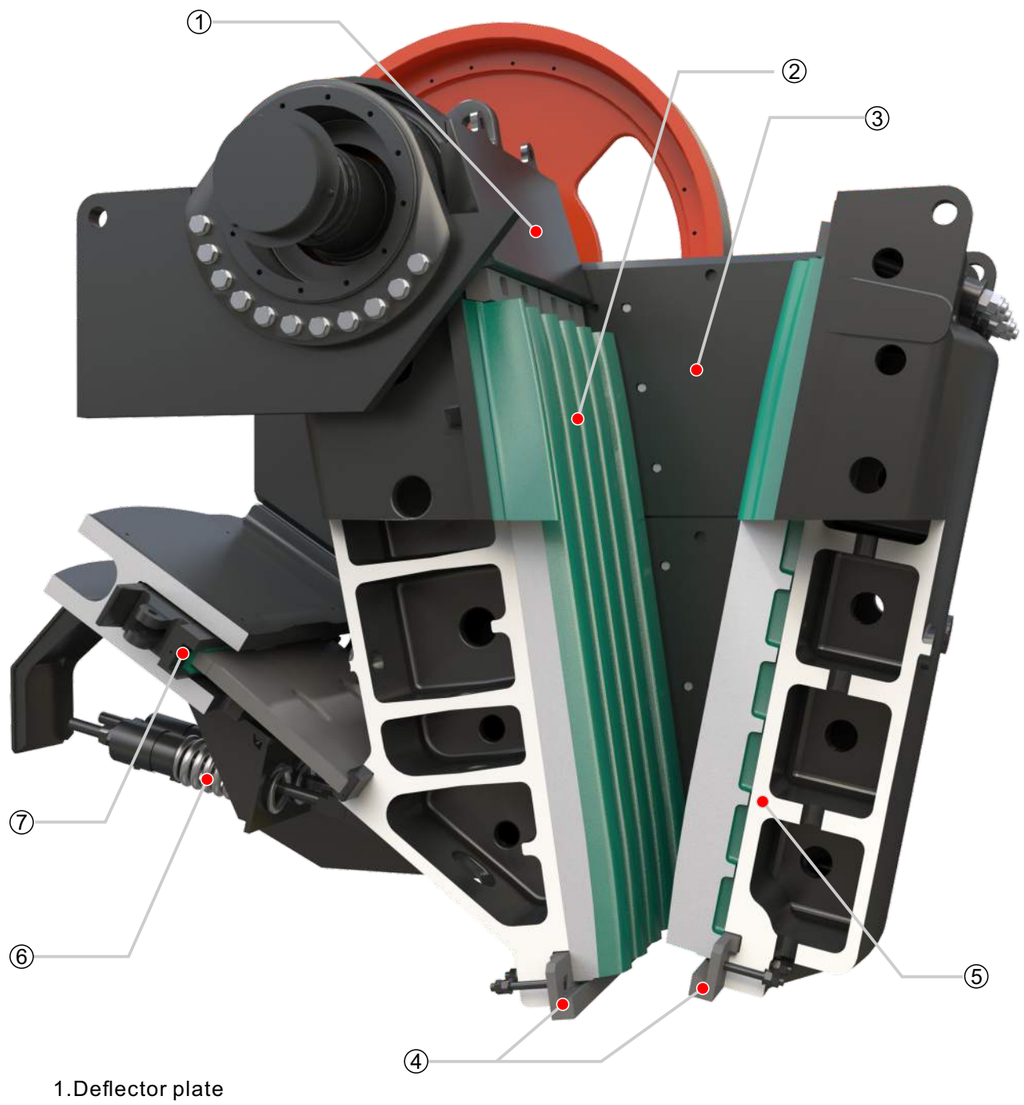
All our jaw crushers are of the single toggle type, with a deep, symme-trical crushing chamber and easy setting adjustment. Each model has a large feed ope-ning for its size and an ideal nip angle, giving smooth material flow, high reduction efficiency and high capacity.



Features

- Robust with low weight.
- Increased uptime thanks to operator friendly design.
- Uniform welded construction.
- High capacity and high reduction.
- Effective, active feed opening.
- Jaw plates for all types of applications.

Key Components



1.Deflector plate

2.Quick and easy installation of jaw plates by using clamping bars to fix the jaw plates to the crusher

3.Cheek plates for protection of side plates

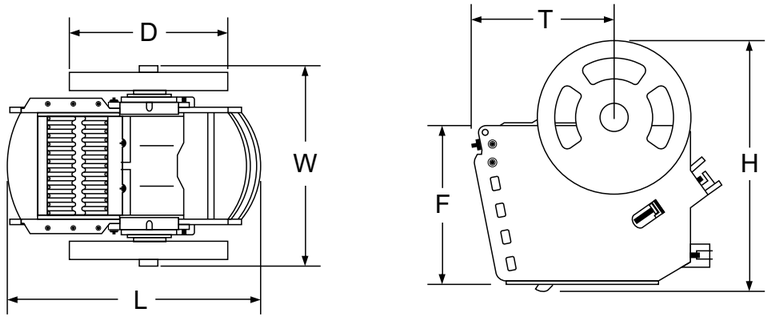
4.Easily replaceable support bars and clamping bars reduce total life-cycle cost

5.Wear plate protects the front frame end

6.Tension Springs

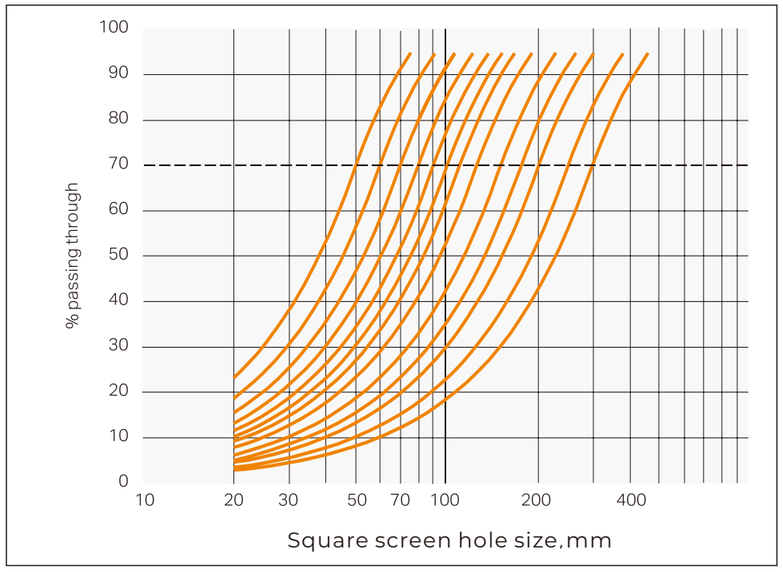
7.Lubrication-free toggle-plate

Specification

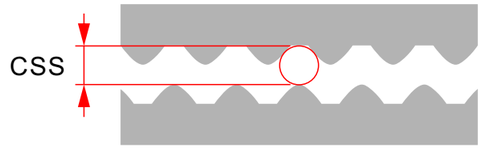


Dimensions & Weights

		PEW408	PEW409	PEW411	PEW412	PEW612	PEW613	PEW615	PEW815
L	mm	2370	2550	2990	3230	3610	3760	4110	4500
W	mm	1760	1880	2090	2570	2350	2470	3000	2900
H	mm	2030	2380	2820	2950	3510	3850	3330	4190
D	mm	1400	1600	1860	1860	1860	2170	1760	2170
F	mm	1330	1580	1880	1930	2500	2680	2390	3050
T	mm	1370	1480	1770	1740	2030	2300	2250	2650
Weight	kg	9900	14100	21700	26600	36600	41500	53000	64500



Capacities & Technical specifications



		PEW408	PEW409	PEW411	PEW412	PEW612	PEW613	PEW615	PEW815
Feed opening width (mm)		800	895	1045	1200	1200	1300	1500	1500
Feed opening Depth (mm)		500	660	840	830	1100	1130	1070	1300
Motor Power (KW)		55	75	110	132	160	160	200	200
Speed (rpm)		300	270	240	240	210	225	200	200
Product Size (mm)	CSS (mm)	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH
0-50	50	75-110	85-115						
0-75	75	95-150	100-160	150-200	165-220				
0-100	100	115-180	125-200	200-265	220-290				
0-125	125	140-210	150-235	245-325	270-355	300-395	330-430	385-495	
0-150	150	160-250	175-275	295-390	325-430	355-465	385-505	445-590	480-625
0-175	175	180-285	200-320	340-445	385-505	405-530	440-575	505-665	545-710
0-200	200			385-505	445-580	455-595	495-650	570-745	610-800
0-225	225			430-565	495-650	505-660	550-730	630-825	675-885
0-250	250				550-720	560-735	605-810	700-920	745-975
0-275	275				605-790	610-805	660-885	765-1000	820-1070
0-300	300						715-960	825-1085	885-1160

The capacity figures given in the table above are approximate and are intended only to give an indication of what the crushers can be expected to produce. They apply for the open-circuit crushing of dry blasted granite with a bulk density of 1600 kg/m3 (100 lbs/ft3) and a maximum size which can be fed into the crushing chamber without difficulty. The lower values apply for a feed from which the material finer than the crusher's CSS has been removed. The higher values apply for a feed which includes the fine material. The minimum CSS at which the crusher can be operated depends on the feed size distribution, the material's crushability (Wi), the degree of contamination and moisture in the feed, the type of jaw plates fitted and the condition of the manganese.

Brief Introduction on CC&CC-S Series Hydraulic Cone Crusher



MP hydraulic cone crusher applies Material Selection Crushing Technology(MSCT). The crushing chamber fills the material and contains all-round extruding, shearing and curlating to archive breaking and self-breaking. Avoiding the liner's touch with the material and preventing the liners from wearing effectively. The material is also prevented from being contaminated by metal so that the wear and tear are reduced. The lifetime of the wear parts is effectively extended.

The MP hydraulic cone crusher is advanced in design, more compact and a higher crushing ability. With a higher crushing efficiency to create better size production. The users can choose the auto control model, various chambers, and other features by adjusting the closed side settings(CSS). The customer will always find a model meets their desire, ease to use and maintain in high operation efficiency condition.

MP cone crushers are in a wide utilization. The cone crusher can easily meet different production needs by selecting crushing chambers and eccentricities. MP cone crusher is an excellent choice as a secondary or tertiary crushing equipment. The more compact structure and easier maintenance also make it the first choice of portable crushing plant.

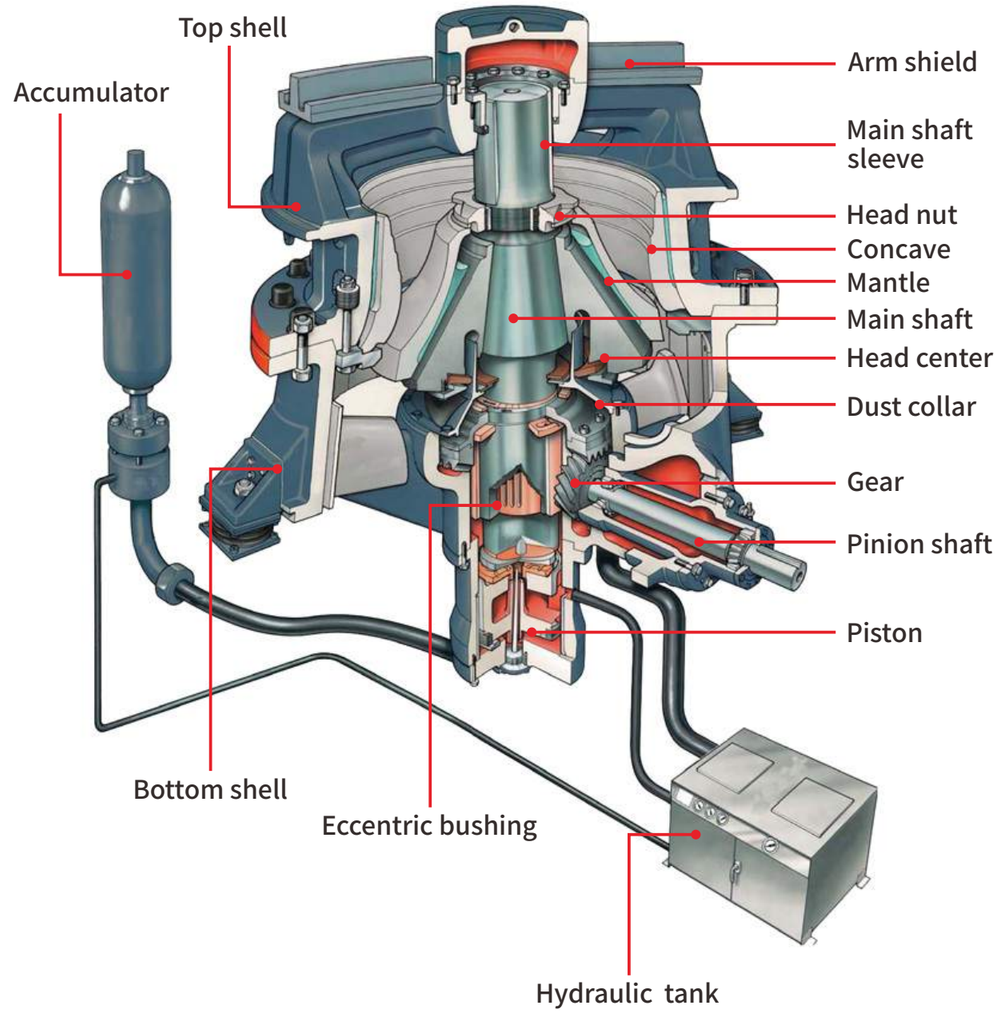
The hydraulic adjustment system provides safety protection and adjustment of the discharge port settings. The hydraulic adjustment system provides automatic overload protection to allow non-breakable materials to pass through and automatically return the main shaft to the position. The hydraulic control system can monitor the crushing load inside the crusher, recording production data and performance automatically, offers the operation curve and improves the information recording capability. Determining the liner wear by making the calibration and remind users replacing the liners, so as not to damage the machine.



CC&CC-S Series Hydraulic Cone Crusher Features

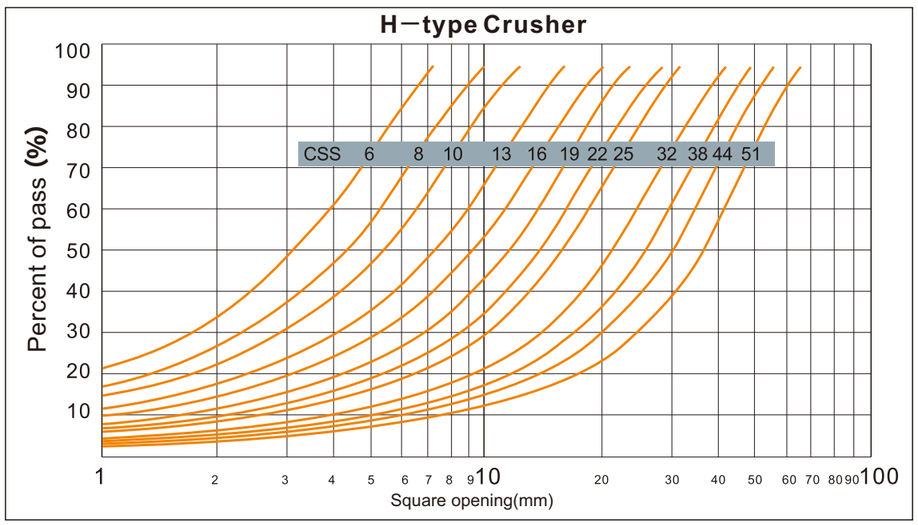
- Higher capacity with higher crushing efficiency.
- CLP constant crushing chamber remains the maximum feed size with higher production.
- Progressive crushing creates product in better size, meets the various desires.
- Multiple choices to the chambers on each model.
- Automatic control and optimized crusher settings by monitoring and recording the load inside.
- Automatic overload protection offered by hydraulic adjustment system by resetting the main shaft position.
- Ease operation and maintenance, the inspection and maintenance can be archived from the upper crusher.
- Higher capacity with more compact motor, better energy-savings.

Detailed Structure

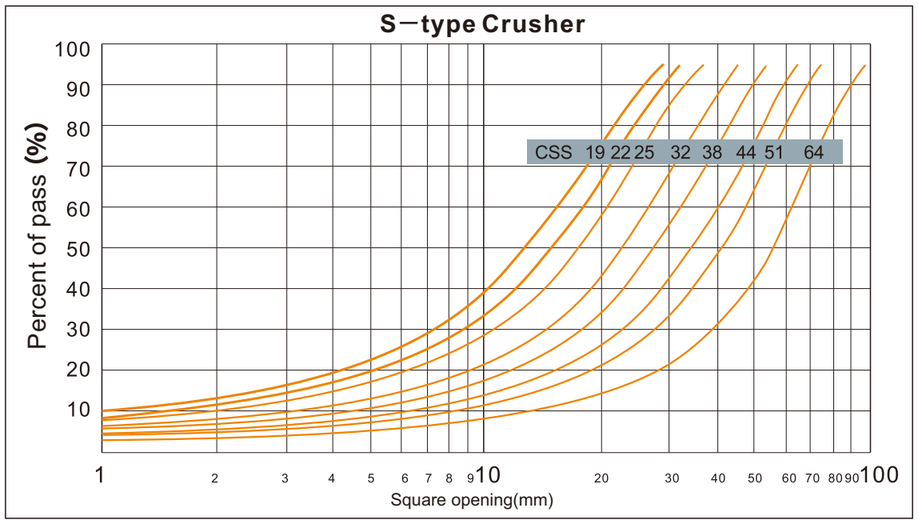


Gradation Curves

CC-H



CC-S

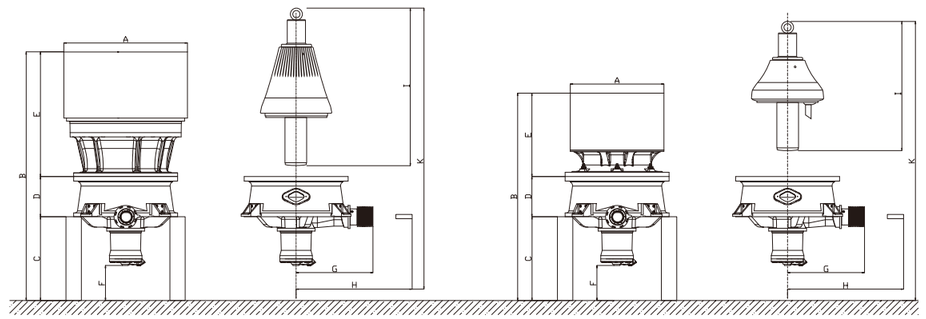


Specification

Dimentions

Unit:mm

CC-S series　　CC-H series



Note: Reference line (not floor level) giving minimal dimensions for removal of: 1. Hydroset cylinder 2. Pinion shaft 3. Main shaft

Dia	CC100S	CC200S	CC300S	CC400S	CC100	CC200	CC300	CC400	CC500	CC860	CC865	CC890	CC895
A	1285	1635	2000	2800	1078	1360	1540	1954	2450	1950	1950	2946	2946
B	2902	3485	4075	5100	2560	2992	3410	4215	5475	4628	4928	5846	6135
C	1020	1125	1300	1600	1020	1125	1300	1600	2200	2074	2074	2260	2260
D	540	655	745	860	540	655	745	860	1228	1126	1126	1186	1186
E	1342	1705	2030	2640	1000	1212	1365	1755	2045	1428	1728	2400	2698
F	400	422	452	631	400	422	452	631	998	739	739	916	916
G	843	1061	1280	1497	843	1061	1280	1497	1824	1810	1810	2445	2445
H	1270	1705	1900	2156	1270	1705	1900	2156	2850	2692	2692	3180	3180
I	1703	2050	2420	2895	1425	1688	1985	2344	3095	2727	2727	3582	3582
K	3600	4250	4930	5355	3000	3570	4000	4835	6600	6100	6100	7075	7075

Dimensions are intended only as a guide for preliminary planning of the installation and should not be used for the construction of foundations, etc.

Approximate Weights

Unit:KG

Heaviest lift	CC100S	CC200S	CC300S	CC400S	CC100	CC200	CC300	CC400	CC500	CC860	CC865	CC890	CC895
During maintenance	2300	5100	8100	16500	1600	2900	4700	7400	13000	11780	11000	26280	26032
Total weight	6800	12000	19300	35000	5300	9200	14300	23500	50000	50530	49750	97031	96483

Max lifting weight: The maximum weight of the lifting part that may need to be removed during maintenance.
Total weight: include main crusher,transport frame,motor,feed hopper etc.

S—type Crusher

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)																
				19	22	25	29	32	35	38	41	44	48	51	54	60	64	70	76	83
CC100S	90	EC	240		102-118	108-144	115-158	121-168	127-145	132										
		C	200	82-110	87-116	92-128	98-113	103												
CC200S	160	EC	360			151	161-245	169-257	176-293	184-310	192-327	200-344	210-306	218-256	225					
		C	300			170-196	182-277	191-290	199-304	208-317	217-330	226-302	237							
		MC	235		130	137-209	147-224	154-235	161-245	168-261	175-275	184-244	192							
CC300S	250	EC	450						309-340	325-495	337-513	349-563	361-601	373-524	389-456					
		C	400					331	344-523	362-551	375-571	389-515	402-467	415						
		MC	300				281	292-445	304-463	320-487	332-505	344-455	355-413	367						
CC400S	315	EC	560							331-385	345-514	359-593	378-624	392-647	406-670	420-693	452-746	480-792	508-756	540
		C	500						335	350-464	364-602	379-626	399-658	413-683	428-707	458-755	477-710	507-589		

H—type Crusher

Model	Motor power(KW)	Max feed size(mm)		Nominal capacity in T/H with crusher running at CSS(mm)																
				4	6	8	10	13	16	19	22	25	32	38	44	51	57	64	70	
CC100	90	EC	155				55	59-90	64-97	69-104	73-111	78-118	89-128							
		C	103				59-72	64-97	69-105	74-113	79-120	85-128	96							
		M	76				57-94	62-102	67-101	72-81										
		MF	58			43-71	46-75	49-75	53-65	57										
		F	42	27-34	29-50	31-54	32-57	35-48	37-42											
		EF	31	30-40(80% fine than 4.5-5.5mm)								30-40(80% fine than 4.5-5.5mm)								
CC200	160	EC	215					82-119	88-150	95-161	101-171	108-182	123-208	136-212						
		C	168				81	88-143	95-155	102-166	109-177	116-189	132-215	146-176						
		MC	129				73-88	79-140	85-151	91-162	97-173	104-184	118-156							
		M	101			61	64-109	70-131	75-142	81-152	86-162	92-154	105-116							
		MF	86		52-57	55-94	65-106	70-115	76-124	81-126	87-114	84-101								
		F	62	42	48-78	51-83	54-88	59-96	63-103	68-105	72-95	77								
		EF	42	70-90(80% fine than 5-5.6mm)								70-90(80% fine than 5-5.6mm)								
CC300	250	EC	250					112-155	121-214	129-276	138-294	147-313	168-357	185-395	203-384					
		C	204					108-137	117-223	126-292	134-312	143-332	163-378	180-335	197-229					
		MC	157					118-164	128-262	137-282	146-301	156-320	177-328	196-247						
		M	124					125-206	135-278	145-298	154-318	164-339	187-284	207-234						
		MF	98					124-227	134-245	144-263	153-281	163-299	186-248	180-203						
		F	83			90-135	96-176	104-191	112-206	120-221	129-236	137-251	156-208							
		EF	47	100-125(80% fine than 6-7.5mm)								100-125(80% fine than 6-7.5mm)								
CC400	315	EC	321							190-338	203-436	216-464	246-547	272-605	298-662	328-511				
		CX	275							200-374	213-488	227-519	259-592	286-654	313-539	345-440				
		C	253						219-231	235-379	251-480	267-510	305-582	337-643	369-635	406-519				
		MC	198						207-264	222-426	237-455	252-484	287-552	318-582	348-522	383-404				
		M	155						203-326	217-440	232-470	247-500	282-532	311-536						
		MF	133					184-215	198-375	213-402	227-430	242-457	276-521	305-491						
		F	96					195-304	210-328	225-352	241-376	256-400	224-423	248-399						
		EF	62			110-116	116-220	211-293	227-316	244-298	261-290	166-213								
CC500	630	EC	350									477-849	544-968	601-1070	658-1172	725-1291	782-1393	849-1512	806-1331	
		C	287								483-806	511-893	525-1018	581-1125	636-1232	700-1357	756-1464	820-1461	776-1286	
		MC	236							443-740	476-793	502-857	522-994	544-1055	596-1155	657-1272	708-1373	769-1370	721-1206	
		M	184							432-733	468-786	495-836	519-953	533-1054	558-1154	692-1271	686-1372	710-1248	705-1098	
		MF	108						398-694	421-716	454-765	482-814	507-928	522-942	538-1021	572-1070				
		F	99					357-395	385-656	414-704	442-752	470-800	495-912	517-857	529-788					
		FE	88				290-505	304-517	328-558	352-598	376-639	405-710	455-775	503-728	511-669					
CC860	500	EC	315						326	350-527	374-632	398-725	454-803	501-898	549-985	604-1071				
		C	263						320-456	344-548	368-653	390-749	447-836	492-933	535-1022	596-1126				
		MC	196						314-466	336-536	360-607	383-702	436-797	483-886	528-955	581-1055				
		M	152						289-675	310-541	331-632	353-710	401-768	444-859	486-943	536-1036				
CC865	500	MF	123				210	228-501	246-574	246-616	283-658	300-700	343-615	378-529	414					
		F	97				189-416	205-479	221-549	238-585	254-621	270-680	308-554	340-476	373					
		EF	72				168-393	182-425	196-459	211-493	225-526	240-560	274-493	303-424	331					
CC890	750	EC	428									594-859	649-1309	696-1446	743-1584	798-1745	846-1883	801-2043	748-2181	
		C	382								697	622-974	682-1404	732-1552	783-1700	842-1873	893-2020	952-2193	812-2140	
		MC	302							542-817	625-952	689-1232	743-1404	790-1552	836-1700	891-1873	937-2020	992-2005	963-1739	
		M	219						567-812	587-970	607-1051	626-1106	672-1261	701-1394	750-1526	796-1681	735-1814	780-1800	720-1561	
		MF	149						507-921	533-896	561-952	582-1012	566-1185	612-1265	671-1373	703-1513	742-1607	732-1396	638-1170	
		F	139					248-789	468-839	487-864	507-935	537-997	486-1142	513-1207	592-1277	667-1458	705-1256			
CC895	750	EFX	112					392-723	418-826	445-853	462-903	498-972	543-1116	571-1134	564-1198	613-1320	687-1093			
		EF	97				305-546	371-710	396-774	432-847	448-888	474-954	501-1036	533-1070	564-1163	601-1210	653-1010	570-862	502-669	
		EEF	86				306-475	323-604	359-652	424-693	442-747	464-796	530-906	541-855	563-792	587-758				

CC-S crushers

Three standard crushing chambers are available:

EC＝Extra Coarse
C＝Coarse
MC＝Medium Coarse

CC-crushers

Several standard crushing chambers are available:

EC＝Extra Coarse
CX＝Coarse Xtra
C＝Coarse
MC＝Medium Coarse
M＝Medium
MF＝Medium Fine
F＝Fine
EFX＝Extra Fine Xtra
EF＝Extra Fine
EEF＝Extra Extra Fine

Capacity(TPH), the above specification is an estimated performance of crusher.

The data in the table is for the performance of the crusher feed with the dry material with a specific gravity of 1600kg/m3 in an opened circuit operation, also assumed the feed material's maximum size is under crusher's maximum feed size and does not contains finer material less than CSS.

Since the selected eccentricity, crushing ratio, material crushing work index (Wi), feed particle size composition, circulating load, and moisture in the feed will affect the crusher's ability, so please contact us for further information.

Brief Introduction on Multiple-cylinder Hydraulic Cone Crusher

Mining Partner MHP series multiple-cylinder hydraulic cone crusher is typical equipment applied to medium and fine crushing for hard material. The mantle swinging along the inner surface, the material gets crushed by the extrusion and bending on the concave side, then the crushed material falls due to gravity when mantle leaves. The whole crushing and discharging processes along the inner surface sequentially. The lock protection cylinder is composed of lock cylinders, a metal protection accumulator, a buffer accumulator group and pipelines. The lock protection cylinder is for tramp metal protection and crushing chamber cleaning. Each buffer accumulator is with two cylinders, it will buffer the adjustment ring jumps due to a few hard materials during crushing.



Multiple-cylinder Hydraulic Cone Crusher Features

Better Quality

MHP series cone crusher makes the outputs better size and more uniform because of the progressive crushing. MHP series can produce under a constant discharge port, it avoiding mantle's fluctuation by the hydraulic cylinder which causes the unstable discharge opening during operation outputs uneven sizes. MHP series maintaining discharge opening by rotating the concave. The constant discharge opening increases the stability of the entire production process. Furthermore, tramp metal protection ensures the crusher will be reset to output stable promptly. MHP series can produce finer products within less process, reduce the costs and save energy.

Larger Capacity

Able to adjust the outputs grading by reducing less fine material in lower speed, better quality in larger capacity.

Less Shutdown Time

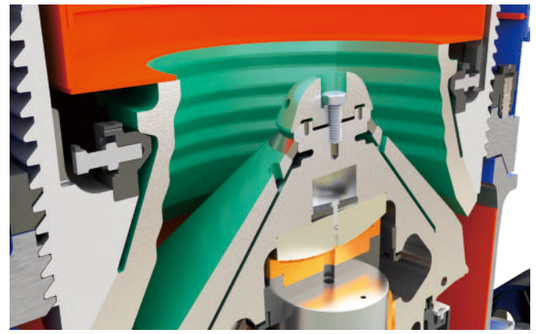
MHP series cone crusher has a two-way metal-discharge hydraulic cylinder that allows the tramp metal to pass through the crushing chamber, while many other crushers are shut down due to seizure. The hydraulic cleaning of the crushing chamber has a large stroke and independence of the liners' wear. No more removing the clogging material in the crushing chamber and clear the chamber quickly, which reducing downtime and assuring operators.

The hydraulic motor drives the concave to adjust the discharge port accurately, the hydraulic motor can also rotate the concave out of the adjustment ring thread to replace the liners, which greatly simplifies the liner replacement.

The liner fixing technology improves the reliability, the concave liner is locked with the upper inclined surface and wedge. The mantle liner is fastened by self-locking bolts.

Easier Maintenance

The bronze bushings of the MHP series can carry the greater load in vibrative and dusty conditions. Moreover, the bronze bushings are more affordable and can be replaced with general tools. All parts of the MHP series cone crusher can be disassembled and maintained from the top or side. The mantle and concave are easy to assemble and disassemble, no need to disassemble the shells and tighten the bolts, more convenient to replace the liner.



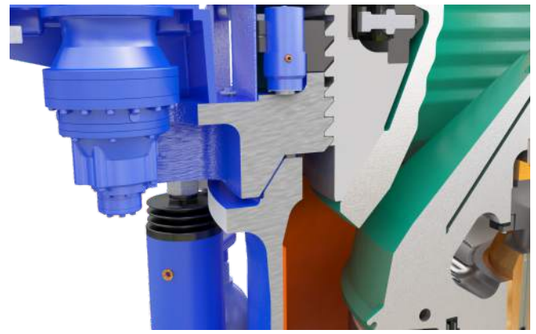
Liners Assembly

Variable Application

MHP series could change the chamber from Standard Extra Coarse to Short Head Extra Fine by replacing the concave liner, mantle liner, adapter ring, and wedge lock bolt only.

Easier Operation

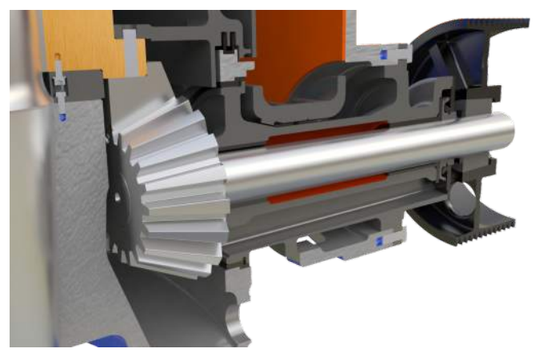
The hydraulic motor can adjust the discharge opening with load, it is easy to adjust the crushing circuit to balance production and makes the crusher in the best efficiency condition. Only adding a hydraulic motor position sensor system to track the discharge port if you want the crusher included in the DCS distributed control system to control the whole plant automatically.



Tramp Release and Hydraulic Settings

Low Cost

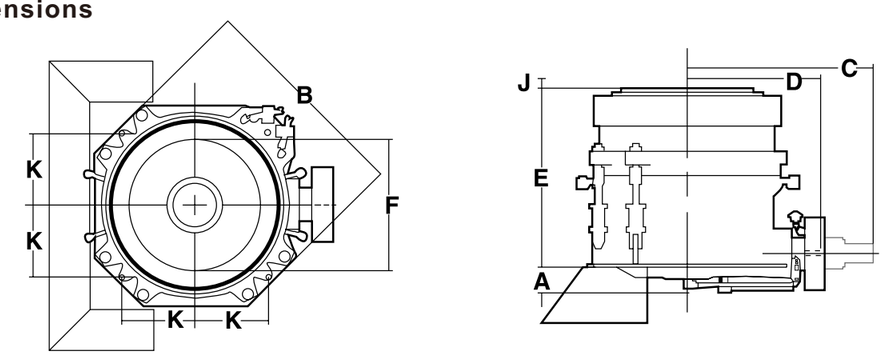
High-performance non-contact labyrinth seals are wear-free and increase the reliability of anti-dust. The design is compact and makes fewer moving components in contact with rocks and dust. All parts of the crusher are wear-resistant, including replaceable mantle liner, mainframe base gasket, mainframe pin sheath, drive bushing protection plate, counterweight guard plate, mainframe liner and feed hopper which minimize maintenance costs.



Sealing Settings

Specifications

Dimensions



Dimensions (mm)		MHP100	MHP200	MHP300	MHP400	MHP500	MHP800
A	To bottom of oil piping	293	297	328	240	425	722
B	Adjustment ring maximum diameters	1505	1952	2207	2370	2730	3500
C	Clearance required for removing countershaft assembly	1560	1840	2020	2470	2650	3450
D	To end of countershaft	950	1160	1347	1645	1760	2225
E	Maximum height to top	1290	1630	1865	2055	2290	3335
F	Inside diameter of feed hopper	694	914	1078	1308	1535	1863
H	Clearance required for removing concave assembly	1725	2140	2470	2650	3300	4210
I	Clearance required for removing mantle assembly	1700	2165	2455	2715	3165	3845
J	Additional upward travel of feed hopper during clearing stroke	65	70	85	105	125	159
K	Mounting hole location	NA	545	660	830	882	1130

Weights (Complete Crusher and Assemblies)

Weights	MHP100	MHP200	MHP300	MHP400	MHP500	MHP800
Crusher Complete (KG)	5400	10400	15810	23000	33150	64100
Concave, Concave Liner, Adj.Cap, Hopper (KG)	1320	2680	3525	4800	7200	15210
Mantle, Mantle liner, Feed plate (KG)	600	1200	2060	3240	5120	9300
Maximum Recommended Power (KW)	90	132	200	315	355	600
Countershaft Speed (rpm)	750~1200	750~1200	700~1200	700~1000	700~950	700~950

Crusher Capacity(TPH)

Mtph	Closed Side Settings (mm)											
Model	6	8	10	13	16	19	22	25	32	38	45	51
MHP100	45-55	50-60	55-70	60-80	70-90	75-95	80-100	85-110	100-140			
MHP200			90-120	120-150	140-180	150-190	160-220	170-220	190-235	210-250		
MHP300			115-140	150-185	180-220	200-240	220-260	230-280	250-320	300-380	350-440	
MHP400			140-175	185-230	225-280	255-320	275-345	295-370	325-430	360-490	410-560	465-630
MHP500			175-220	230-290	280-350	320-400	345-430	365-455	405-535	445-605	510-700	580-790
MHP800			260-335	325-425	385-500	435-545	470-600	495-730	545-800	600-950	690-1050	785-1200

*Represents capacity through crusher based “instantaneous” product sample

Crusher Capacities Factors

Cone crusher capacity charts are developed for use as an application tool to properly utilize the MHP crusher´s capabilities. The capacity figures shown apply to material weighing 100 pounds per cubic foot or 1600 kg per cubic meter. The crusher is one component of the circuit. As such, its performance is in part dependent on the proper selection and operation of feeders, conveyors, screens, supporting structure, electric motors, drive component and surge bins. Where used, attention to the following factors will enhance crusher capacity and performance.

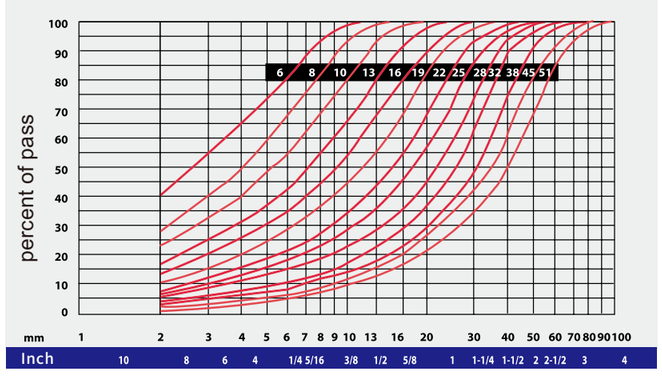
1. Proper selection of crushing chamber for material to be crushed.
2. A feed grading containing a proper distribution of the particle size.
3. Controlled feed rate.
4. Proper feed distribution 360° around the crushing chamber.
5. Discharge conveyor sized to carry maximum crusher capacity.
6. Properly sized scalping and closed circuit screens.
7. Automation controls.
8. Adequate crusher discharge area.

The following factors will detract from crusher capacity and performance.

1. Sticky material in crusher feed
2. Fines in crusher feed (smaller than crusher setting) exceeding 10% of crusher capacity.
3. Excessive feed moisture.
4. Feed segregation in the crusher cavity.
5. Improper feed distribution around the circumference of crusher cavity.
6. Lack of feed control.
7. Inefficient use of recommended connected horsepower.
8. Insufficient conveyor capacity.
9. Insufficient scalper and closed-circuit screen capacities.
10. Insufficient crusher discharge area.
11. Extremely hard or tough material.
12. Operation of crusher at less than recommended full load counter-shaft speed.

For individual conditions, consult Mining Partner.

Gradation Curves

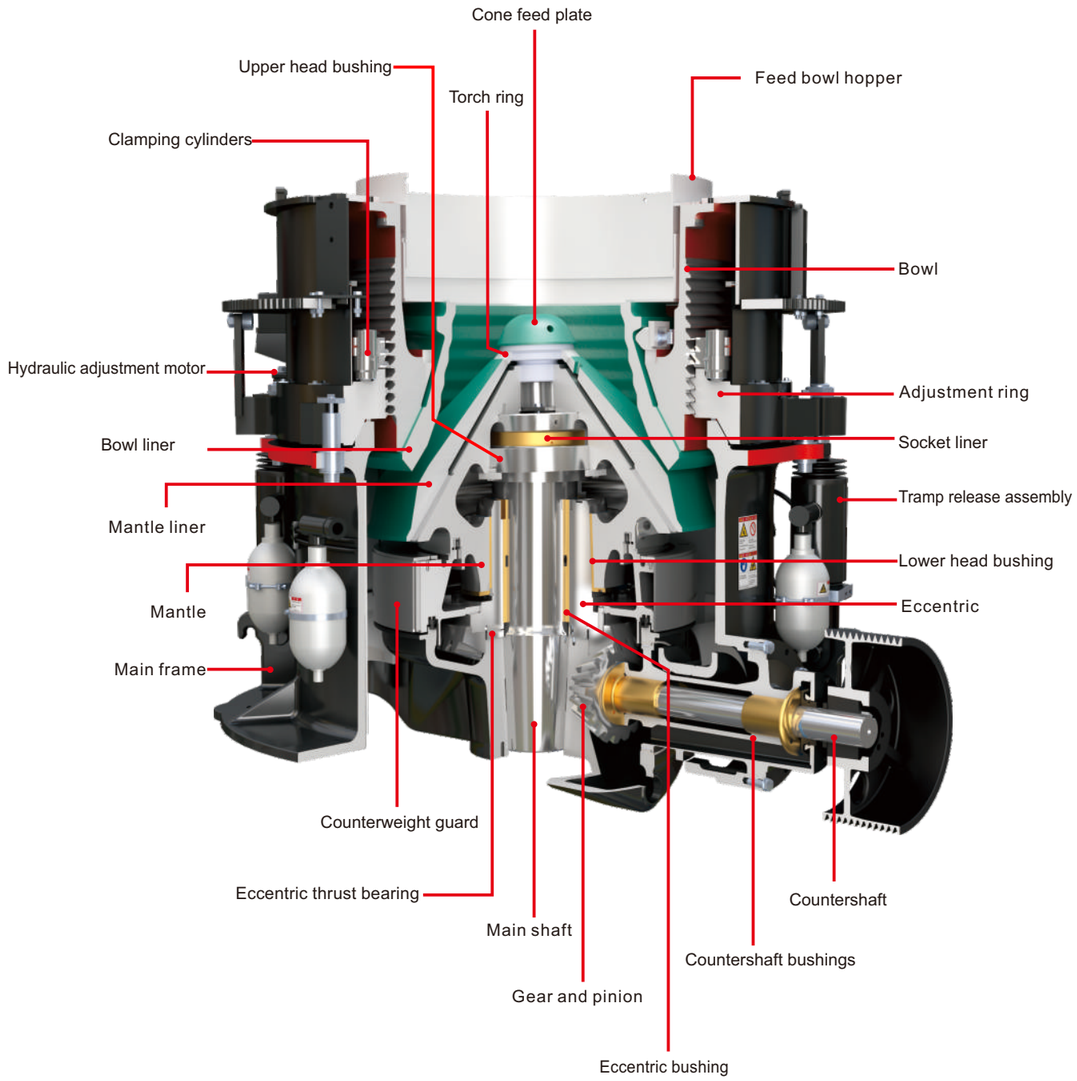


% passing through a square mesh depending on the setting

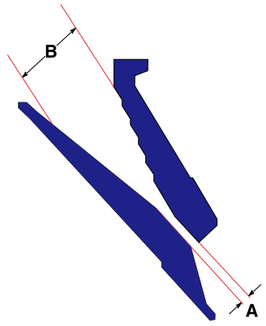
The gradation and capacities shown are dependent on the feed gradation, the crushing chamber, the material density, the material cleanliness, its moisture, and its crushability.

Main Components

Section View



Crusher Cavity Selection



① The minimum setting is that at which the crusher will operate without causing ring bounce. Depending on the crusher characteristics of the rock, this setting can change.

② Feed opening "B" is at a minimum setting "A".

		Standard		Short head	
Model	Cavity	Minimum Setting A	Feed Opening B	Minimum Setting A	Feed Opening B
MHP100	Extra Fine			6 mm (0.24")	20 mm (0.79")
	Fine			9 mm (0.35")	50 mm (1.97")
	Medium			9 mm (0.35")	70 mm (2.76")
	Coarse			13 mm (0.51")	100 mm (3.94")
	Extra Coarse			21 mm (0.83")	150 mm (5.91")
MHP200	Extra Fine			6 mm (0.24")	25 mm (0.98")
	Fine	14 mm (0.55")	95 mm (3.74")	6 mm (0.24")	25 mm (0.98")
	Medium	17 mm (0.67")	125 mm (4.92")	6 mm (0.24")	54 mm (2.13")
	Coarse	19 mm (0.75")	185 mm (7.28")	10 mm (0.39")	76 mm (2.99")
	Extra Coarse				
MHP300	Extra Fine			6 mm (0.24")	25 mm (0.98")
	Fine	13 mm (0.51")	107 mm (4.21")	6 mm (0.24")	25 mm (0.98")
	Medium	16 mm (0.63")	150 mm (5.91")	8 mm (0.31")	53 mm (2.09")
	Coarse	20 mm (0.79")	211 mm (8.31")	10 mm (0.39")	77 mm (3.03")
	Extra Coarse	25 mm (0.98")	233 mm (9.17")		
MHP400	Extra Fine			6 mm (0.24")	30 mm (1.18")
	Fine	14 mm (0.55")	111 mm (4.37")	6 mm (0.24")	40 mm (1.57")
	Medium	20 mm (0.79")	198 mm (7.80")	8 mm (0.31")	52 mm (2.05")
	Coarse	25 mm (0.98")	252 mm (9.92")	10 mm (0.39")	92 mm (3.62")
	Extra Coarse	30 mm (1.18")	299 mm (11.77")		
MHP500	Extra Fine			6 mm (0.24")	35 mm (1.38")
	Fine	16 mm (0.63")	133 mm (5.24")	8 mm (0.31")	40 mm (1.57")
	Medium	20 mm (0.79")	204 mm (8.03")	10 mm (0.39")	57 mm (2.24")
	Coarse	25 mm (0.98")	286 mm (11.26")	13 mm (0.51")	95 mm (3.74")
	Extra Coarse	30 mm (1.18")	335 mm (13.19")		
MHP800	Extra Fine				
	Fine	16 mm (0.63")	219 mm (8.62")	5 mm (0.20")	33 mm (1.30")
	Medium	25 mm (0.98")	267 mm (10.51")	10 mm (0.39")	92 mm (3.62")
	Coarse	32 mm (1.26")	297 mm (11.69")	13 mm (0.51")	155 mm (6.10")
	Extra Coarse	32 mm (1.26")	353 mm (13.90")		

Product Gradation Table (% passing through square mesh depending on the setting)

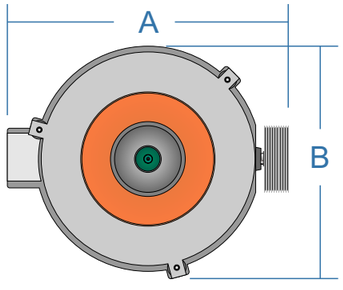
	6 (1/4")	8 (5/16")	10 (3/8")	13 (1/2")	16 (5/8")	19 (3/4")	22 (7/8")	25 (1")	28 (1-1/8")	32 (1-1/4")	38 (1-1/2")	45 (1-3/4")	51 (2")
100 (4")	100	100	100	100	100	100	100	100	100	100	100	100	100
75 (3")	100	100	100	100	100	100	100	100	100	100	100	100	98
63 (2-1/2")	100	100	100	100	100	100	100	100	100	100	99	95	90
51 (2")	100	100	100	100	100	100	100	100	99	98	92	82	68
38 (1-1/2")	100	100	100	100	100	100	100	98	95	90	76	62	50
32 (1-1/4")	100	100	100	100	100	100	95	90	79	69	52	42	36
25 (1")	100	100	100	100	98	94	85	74	60	49	40	33	28
22 (7/8")	100	100	100	100	95	88	76	63	51	42	34	28	25
19 (3/4")	100	100	100	98	92	82	68	57	46	37	30	26	22
16 (5/8")	100	100	99	92	80	69	55	46	36	29	24	20	18
13 (1/2")	100	99	92	78	66	55	43	36	28	22	18	16	14
10 (3/8")	100	93	81	66	55	45	34	30	23	18	15	13	11
8 (5/16")	94	82	69	55	45	37	28	24	19	15	13	11	10
6 (1/4")	82	67	55	43	36	29	22	19	16	12	9	8	7
4 (#5)	65	49	40	32	26	21	16	14	11	9	7	6	5
2 (#8)	40	28	23	17	13	11	8	7	6	4	3.5	3	2.5

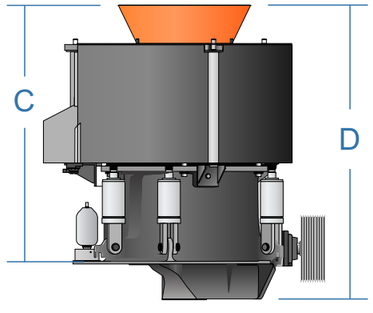
Brief Introduction on Multiple-cylinder Hydraulic Cone Crusher

MP new generation MHP **series** cone crusher has reached a new height in crushing ratio,operation and maintenance,which can achieve the highest performance and lower operating costs.It can not only achieve greater capacity and better products, but also improve the working environment and natural environment.



Dimensions & Specification





Dimensions & Specification

Model	Dimensions (mm)				Max. Feed opening (mm)	Installed power (kw)	Crusher weight (KG)	Total weight* (KG)
	A	B	C	D				
MHP3	2778	2146	2475	2817	220	220	13040	17600
MHP4	2955	2512	2754	3147	252	315	19810	25800
MHP5	3438	2695	2893	3295	312	370	24970	28820
MHP6	3854	3062	3522	3953	330	450	33000	45400

*Total weight: main crusher,base frame of machine,motor base frame,Protection of pulley,Feeding hopper and discharging hopper.

Crusher Cavity Selection

Crusher Cavity Selection

Model	Cavity	Minimum Setting (mm) A	Feed Opening (mm) B
MHP3	EF	8	18
	F	11	95
	M	15	156
	C	20	183
	EC	25	200
MHP4	EF	8	67
	F	10	116
	M	16	158
	C	25	203
	EC	28	237
MHP5	EF	6	50
	F	10	130
	M	20	195
	C	25	252
	EC	30	312
MHP6	EF	9	52
	F	13	106
	M	20	196
	C	25	279
	EC	30	328

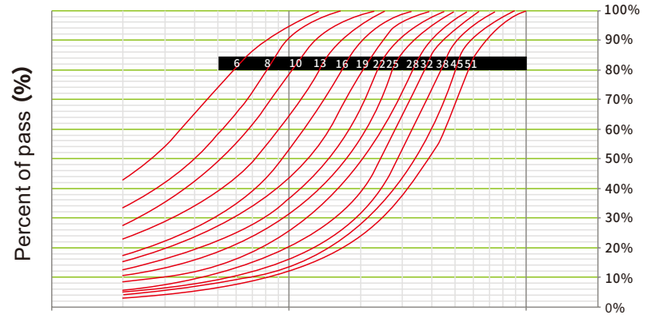


Capacity

Crusher capacity (TPH)

机型 Model	CSS(mm)									
	8	10	13	16	19	22	25	32	38	45
MHP3	94-122	108-147	136-185	164-220	182-241	199-262	210-279	217-307	251-349	279-388
MHP4	135-175	155-210	195-265	235-315	260-345	285-375	300-400	310-440	360-500	400-555
MHP5	158-205	181-246	229-311	275-369	304-403	335-439	352-460	380-500	422-550	468-600
MHP6		220-300	280-380	335-450	370-490	410-535	430-570	440-630	515-715	570-790

Gradation Curves



% passing through a square mesh depending on the setting

The gradation and capacities shown are dependent on the feed gradation, the crushing chamber, the material density, the material cleanliness, its moisture, and its crushability.

Brief Introduction on Impact Crusher

The Mining Partner PFC series of impact crushers are a perfect combination of heavy-duty rotor design, high wear-resistant materials and crushing chamber design. This combination has proven to be revolutionary,not only increasing productivity and product quality but also reducing production costs and wear parts.



The PFC series impact crusher applies a unique hammer fixture to make the hammer more reliable.

Besides, the PFC series impact crushers also minimize equipment maintenance and improve all adjustment settings. So the PFC Series impact crusher performs incredibly in primary, secondary, tertiary and recycling applications.

Impact Crusher Features

Unique blow bar attachment system

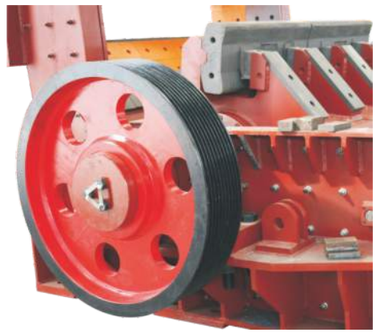
The PFC series impact crusher not only has wear-resistant liners of different strengths and types but also develops a unique blow bar attachment system. The hammers of the PFC series impact crushers are fixed to the rotor by a set of wedge assemblies, which provide greater tightening torque than other manufacturers.

Besides, the blow bar and rotor contact surface are finely machined, eliminating clearance between the rotor and the blow bars. It reduces the risks of plate hammer breakage and breaking through the traditional restrictions, making it possible to use cast iron material as a plate hammer.

Easy Maintenance Safe and Reliable

The PFC series' hydraulic settings could open the frame and set the discharge port. Inspection doors locate both sides of crusher for inspection, maintenance, and replacement. The blow bar can be changed horizontally and vertically which suits different applications.
The PFC series of impact crushers greatly increase the modularity of the wear parts and significantly reduce the wear parts.

Besides, the PFC series impact crusher at different rates of wear in operation of the parts, so it can be exchanged to reduce the inventory of spare parts and wear parts.
The sensors on the PFC series impact the crusher frame to prevent accidental starting at maintenance to ensure safety.

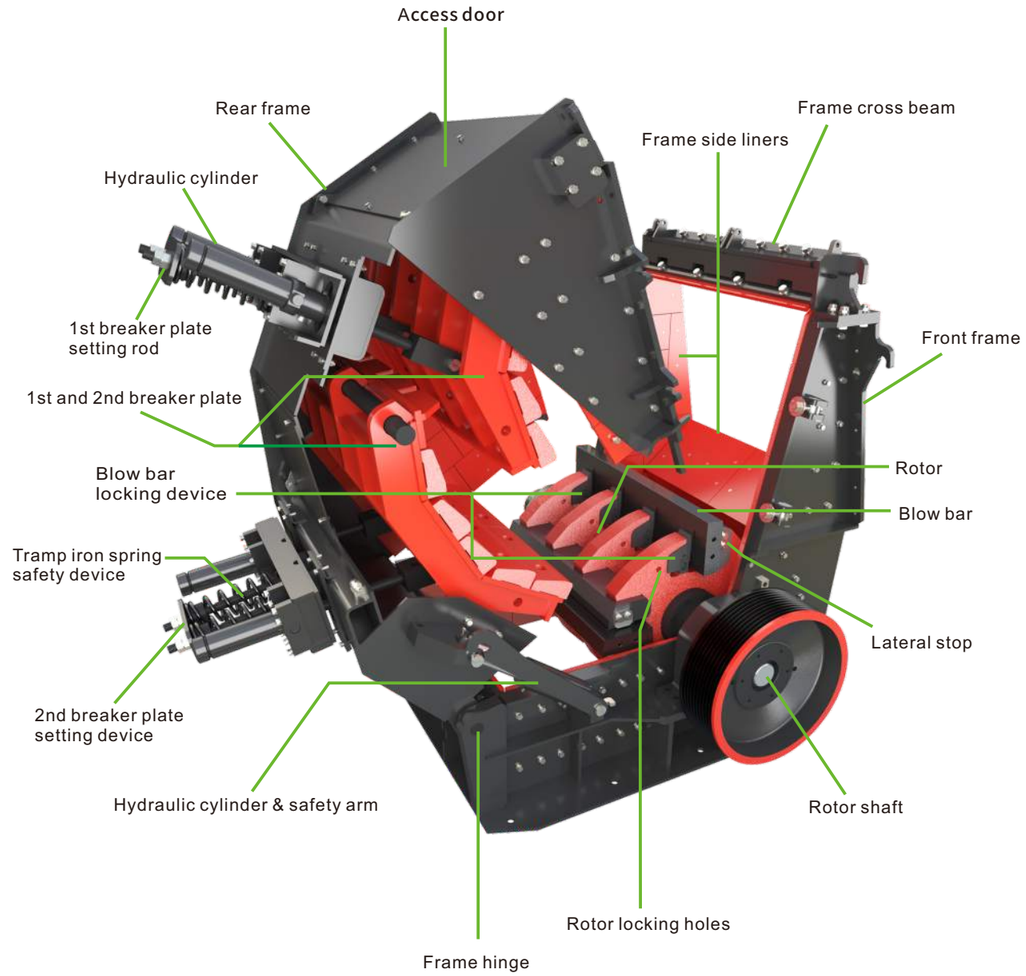


Application flexibility, easy to operate

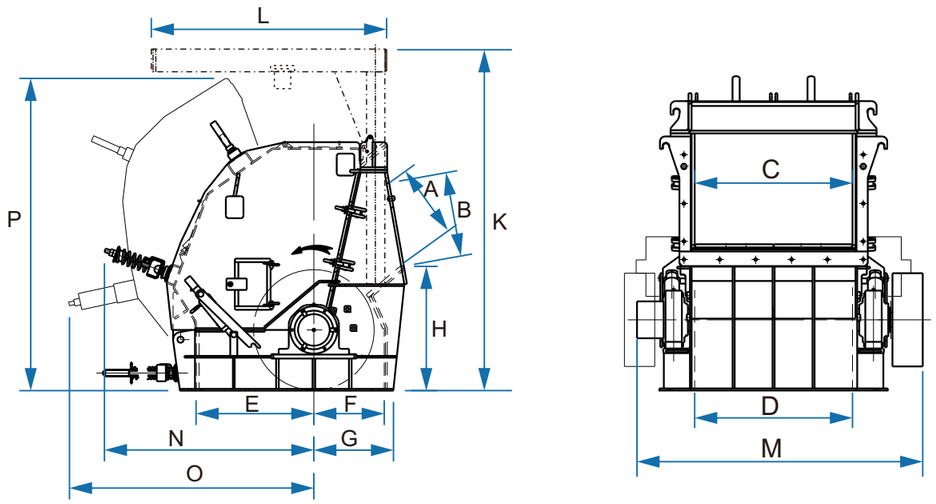
Easily build your crusher configuration by adding the suitable options for your application:

- Fully hydraulic breaker plate adjustment setting to reduce downtime.
- Third breaker plate to control the top product size in an open circuit.
- Different grades of steel and cast iron for the blow bars, breaker plates and side liners to decrease the wear cost.

Detailed Structure



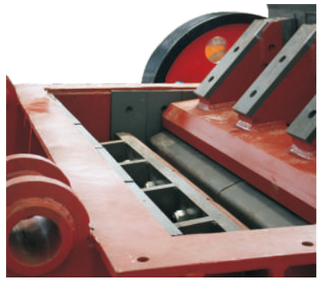
Dimensions and Specification



Dimensions(mm)

Model		A	B	C-D	E	F	G	H	K	L	M	N	O	P
Primary Impact Crusher	PFC1313P	1050	1225	1320	1305	760	964	1386	3765	2100	2560	2340	2764	3405
	PFC1415P	1140	1320	1540	1305	800	998	1430	4000	2295	2811	2425	2830	3600
	PFC1620P	1400	1634	2040	1600	920	1270	1772	4950	3000	3820	2630	3105	4400
	PFC2023P	1720	1986	2310	2210	1140	1631	2273	6000	3930	4424	3520	4100	5514
Secondary & teriary Impact Crusher	PFC1110T	710	820	1020	1105	652	796	1125	3055	1800	2106	1830	2030	2716
	PFC1213T	750	879	1320	1120	705	864	1212	3145	2100	2529	1945	2306	2882
	PFC1214T	465	328	1440	810	870	946	1708	2805	2100	2680	2072	2715	2705
	PFC1313T	1050	1225	1320	1305	760	964	1386	3765	2100	2560	2340	2764	3405
	PFC1315T	800	930	1540	1172	765	915	1291	3395	2295	2750	1960	2350	3055
	PFC1320T	800	930	2040	1172	765	915	1291	3395	2295	3250	1960	2350	3055
	PFC1415T	1140	1320	1540	1305	800	998	1430	4000	2295	2811	2425	2830	3600
	PFC1520T	850	995	2040	1368	885	1055	1518	3950	3000	3400	2336	2763	3540
	PFC1620T	1400	1634	2040	1600	920	1270	1772	4950	3000	3820	2630	3105	4400
	PFC1623T	1400	1634	2340	1600	920	1270	1772	4950	3000	4120	2630	3105	4400
	PFC2023T	1720	1986	2310	2210	1140	1631	2273	6000	3930	4424	3520	4100	5514



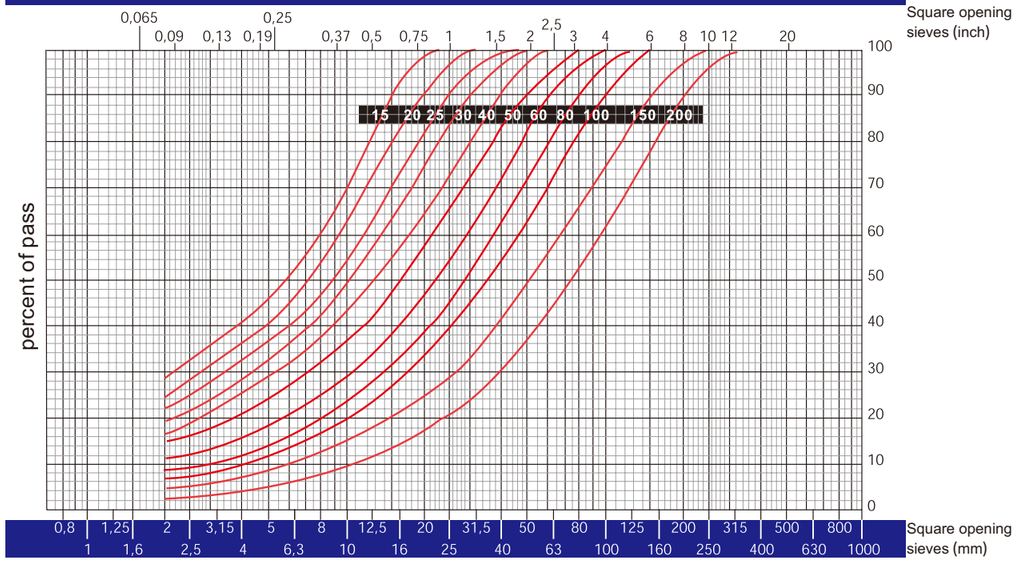




Specification

Model		Weight (kg) Crusher complete	Weight (kg) Rotor	Rotor diameter (mm)	Rotor width (mm)	Feed opening (mm)	Maximum feed size (mm)	Capacity (tph)	Installed power (kw)
Model A (2 chambers)									
Primary Impact Crusher	PFC1313P	17800	6340	1300	1300	1320 x 1225	800	250 ~ 350	250/315
	PFC1415P	21815	8165	1400	1500	1540 x 1320	800	365 ~ 600	250/315
	PFC1620P	40500	15980	1600	2000	2040 x 1634	800	570 ~ 930	560 (2x280)
	PFC2023P	74230	28280	2000	2300	2310 x 1986	800	1270 ~ 1970	1000/1200
Model B (3 chambers)									
Secondary & teriary Impact Crusher	PFC1110T	9250	3065	1100	1000	1020 x 820	350	130 ~ 210	160/200
	PFC1213T	12780	4850	1200	1300	1320 x 879	350	180 ~ 280	200/250
	PFC1214T	18250	4766	1200	1400	1440x 328	350	200 ~ 250	185/200
	PFC1313T	16130	6340	1300	1300	1320 x 1225	350	250 ~ 350	250/315
	PFC1315T	17500	6370	1300	1500	1540 x 930	350	225 ~ 350	250/315
	PFC1320T	24100	8493	1300	2000	2040 x 930	350	140 ~ 380	250/315
	PFC1415T	25100	8165	1400	1500	1540 x 1320	350	365 ~ 600	250/315
	PFC1520T	31500	10400	1500	2000	2040 x 995	350	360 ~ 560	500 (2x250)
	PFC1620T	43000	15980	1600	2000	2040 x 1634	350	570 ~ 930	560 (2x280)
	PFC1623T	51000	18377	1600	2300	2340 x 1634	350	600 ~ 1050	560 (2x280)
	PFC2023T	78730	28280	2000	2300	2310 x 1986	800	1270 ~ 1970	1000/1200

Production Curves*



* The gradation and capacities shown are dependent on feed gradation, material density and crushability.

VSI SERIES VERTICAL SHAFT IMPACT CRUSHER

Brief Introduction on VSI Series Vertical Shaft Impact Crusher

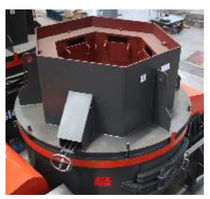
Mining Partner VSI series vertical shaft impact crusher is a perfect combination of the unique rotor design, wear-resistant materials and crushing equipment design. This combination has proven to be revolutionary, which not only improves capacity and product quality but also reduces production and wear parts costs. VSI series vertical shaft impact crusher features several different rotors to choose from, with a higher crushing ratio and fewer wear parts, which greatly improves the capacity and processing efficiency.



Besides, the VSI vertical shaft impact crusher minimizes the maintenance and improves the operating unit. VSI vertical shaft impact crusher delivers unparalleled performance in applications such as rock shaping, sand making, and production of stone.





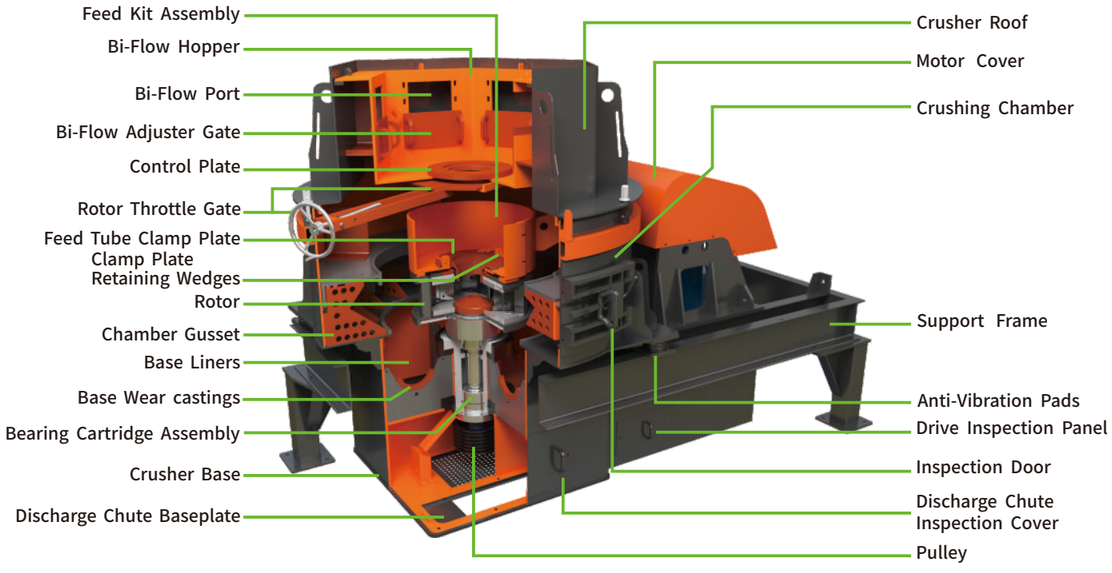


- Widely applied to:
- Artificial sand-making: pebble, rock(limestone, granite, basalt, diabase, andesite, etc.), ore tailings and aggregate chips.
- Aggregate production: building aggregate, highway road, subcrustal material, asphalt concrete, and cement concrete aggregate.
- Machine-made sand and stone reshaping: water conservancy and hydropower in the engineering field, roads, highways, high-speed railways, special lines for passenger transportation, bridges, airport runways, municipal engineering, high-rise buildings.
- Material fine crushing: mining areas, building materials, metallurgy, chemical industry, mining, fire-proof material, cement, abrasive material crushing, etc.
- Environmental protection and recycling projects: high durability and secondary disintegrating and crushing, thermal power, sulfur removal in metallurgy industry, steel slag, construction waste.

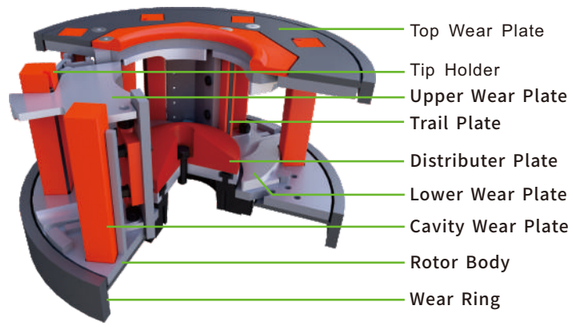
VSI Crusher Features and Advantages

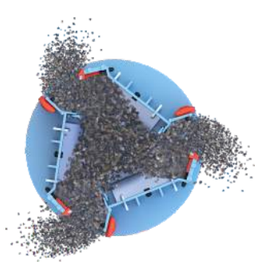
- Higher capacity, less wearing parts, highly optimized for general use and easy replacement.
- Two types of chamber available including rock to rock and rock to iron for different demand.
- Inspection door design to check inside of the crushing chamber for replacement and maintenance.
- Easy to maintenance, free to open or close crusher frame by lifting jack.
- The best chamber to be applied to reduce wear parts.

Detailed Structure

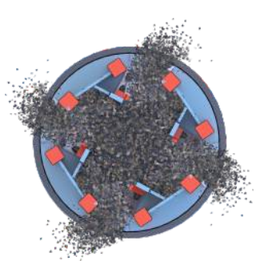


Rotor

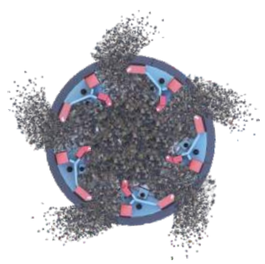




3-Port Rotor



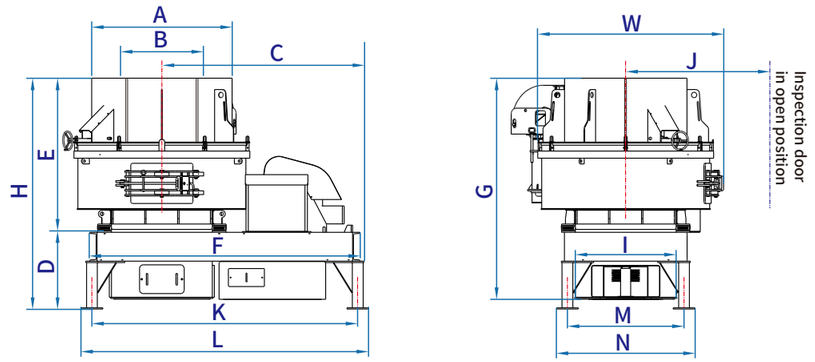
4-Port Rotor



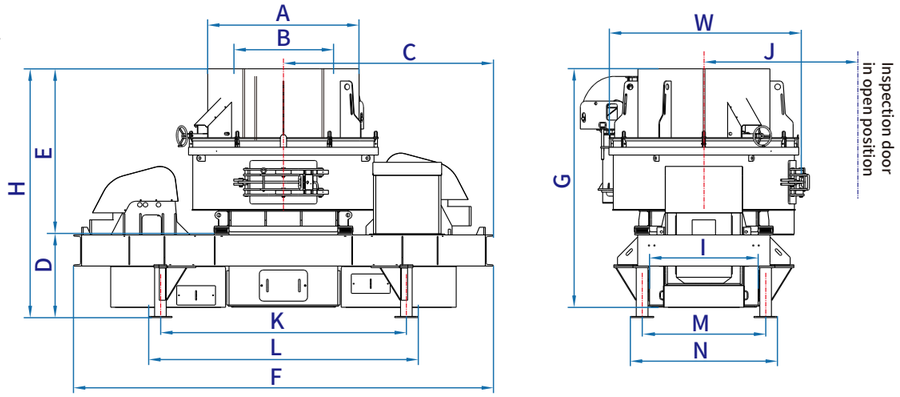
5-Port Rotor

Dimensions

Single motor

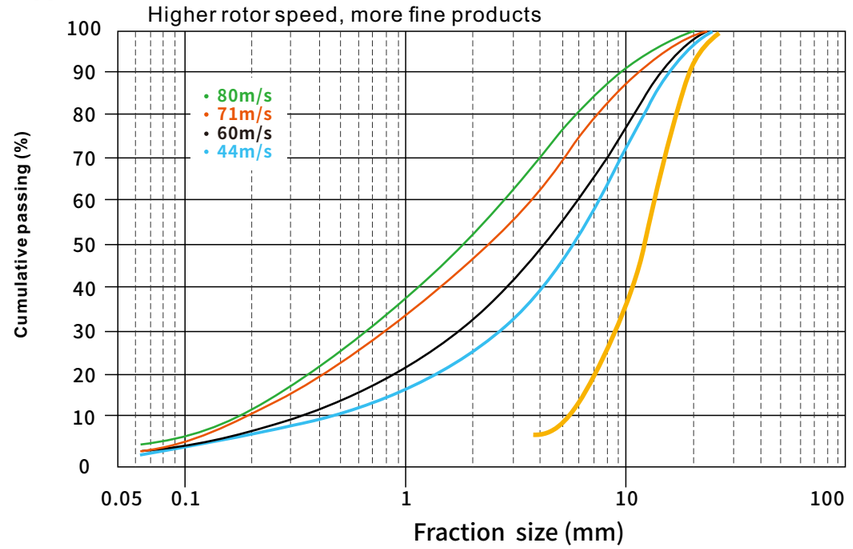


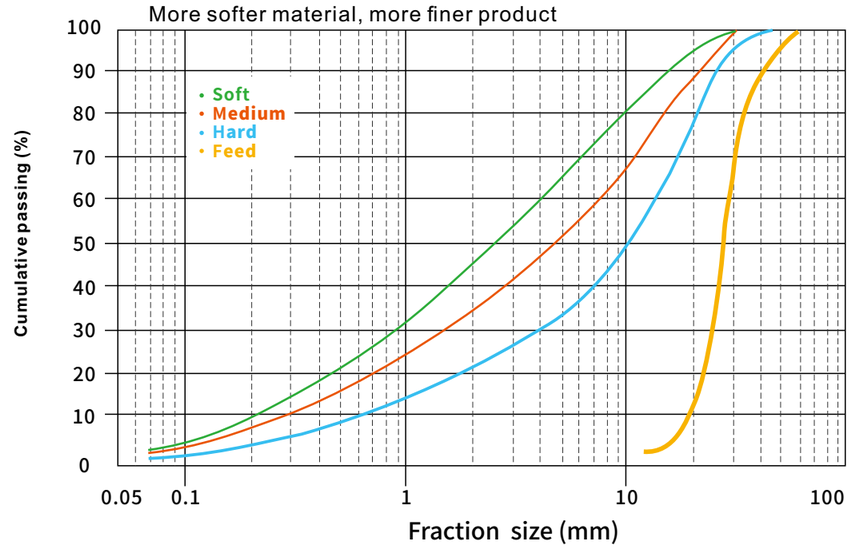
Dual motor



Dimemsions (mm)	Single motor			Dual motor		
	VSI3000	VSI4000	VSI6000	VSI4200	VSI5200	VSI6200
F	3604	3754	3980	5404	5404	5034
W	2100	2560	2507	2560	2560	2507
H	2660	3219	3000	3219	3219	3000
A	1620	1950	1500	1950	1950	1500
B	1410	1700	--	1700	1700	--
C	2717	2810	2520	2702	2702	2520
D	970	1070	320	1070	1070	320
E	1690	2149	2680	2149	2149	2680
G	2570	3060	3000	3060	3060	3000
I	1250	1400	--	1400	1400	--
J	2000	2300	2300	2300	2300	2300
K	3568	3682	1940	3168	3168	1940
L	3868	3992	4100	3468	3468	4100
M	1580	1618	1940	1590	1590	1940
N	1890	1920	2240	1890	1890	2240

Gradation Curves





Specification

Specificatios	Single motor			Dual motor		
	VSI3000	VSI4000	VSI6000	VSI4200	VSI5200	VSI6200
Power (KW)	185	250	315	220*2	250*2	315*2
Maximum Feed Size (mm)	50	55	50	55	55	50
Rotor rpm Range (rpm)	1390-1970	1400-1680	800-1650	1400-1680	1400-1680	800-1650
Crusher Capacity (tph)	122-192	193-250	350-400	255-450	451-600	450-650
Weight (KG)	9500	11780	16500	14830	14830	18600

Brief Introduction on DRC Series Roller Crusher

DRC series roller crusher's material feed size usually under 35mm, the output size should be 1mm-10mm, feed material compression strength should be under 150MPa. Widely used in sand milling, cement clinker, construction, refractory materials, metallurgical mining, chemical, coal, and other industries.



How Roller Crusher Works?

DRC series roller machine is composed of a motor, internal drive assembly, roller, mainframe, sliding frame assembly, accumulator loading cylinder, reinforcing beam, fixed shaft seat, oil tank, etc. The whole structure is compact and precise. The roller is on the mainframe by bolts, and another roller can slide on the mainframe with the pressure changing of the air accumulating loading cylinder, and adjust the gap between the two rolls automatically for variable output size. The roller gets impacted by the tramp metals and compresses air accumulating loading cylinder, the sliding roller backward and avoids damaging to equipment.

The output size could be adjusted automatically according to the hardness and the feeds by loading the cylinder from the air accumulator, it pushes the roller with the sliding frame assembly then there will be space between the fixed roller(clearance above 10 mm). The sliding roller gets pressed by reaction force when the material feed into the gap, then the material gets crushed to a fineness requires.

The worn roller will cause larger outputs, the cylinder should be reloaded by air accumulator to adjust the clearance to archive adjusting the fineness automatically.

The driven unit includes two motors, which drive a V-belt to the gear shaft and rotate the inner drive assembly retrorse. When the material is crushed, the material passes through the roller from the feed port and crushed by roller, and discharged from the bottom. The safety guard applied to the external transmission unit.

DRC Series Roller Crusher Features and Advantages

- Better output size, non-impact and non-hit crushed, no more secondary crushing.
- Longer lifetime of the rollers due to the low worn-out, crushing high hardness rock available.
- High efficiency with high production, very durable with smooth running.
- SPC type V-belt applied to equipment, also equipped with a precise built-in planetary gear reducer. It improves the transmission efficiency of the device and reduces the no-load current. The planetary gear transmission offers a larger reduction ratio, smoother transmission, less installation space.
- Discharge port adjusted by hydraulic, easy to set to be convenient. Moving roller moved rapidly when replacing the roller surface or worn out which reduce the maintenance and adjustment time and labor.
- Equipped with a vibration circulation lubrication system.

Specification

Model	Dimemsions (L*W*H mm)	Roller diameter(mm)	Roller Length(mm)	Feed size rang(mm)	Output size rang(mm)	Crusher capacity(tph)	Power (KW)	Weight (KG)
DRC045	4850*1548*2310	∅1000	500	<35	0-5	30-50	45*2	13500
DRC055	5170*1731*1992	∅1000	600	<35	0-5	40-60	55*2	14000
DRC075	5170*1931*1992	∅1000	800	<35	0-5	60-90	75*2	16000
DRC090	5170*1931*1992	∅1100	800	<35	0-5	70-100	90*2	16000
DRC110	5455*2113*2007	∅1100	1000	<35	0-5	80-120	110*2	24800
DRC132	5455*2113*2007	∅1100	1300	<35	0-5	90-140	132*2	25000
DRC160	5855*2113*2110	∅1300	1000	<35	0-5	110-170	160*2	28200
DRC200	5855*2113*2110	∅1300	1000	<35	0-5	130-200	200*2	28500
DRC250	5855*2413*2110	∅1300	1200	<35	0-5	170-250	250*2	30000

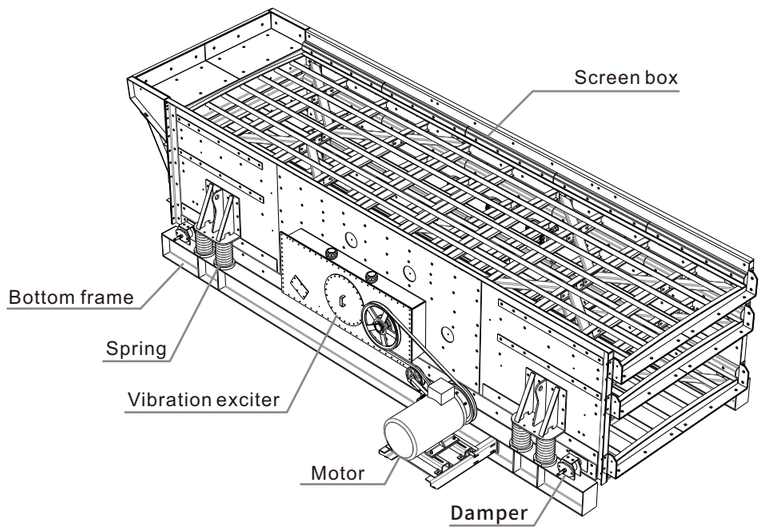
Brief Introduction on TKS Series Horizontal Vibrating Screen

Mining Partner TKS series horizontal vibrating screen is mainly applied in quarries and portable screening station. TKS has the advantages of both inclined vibrating screen and linear vibrating screen, the main parameters are adjustable to suit for variable situations to get the highest capacity both in stationary and portable equipment.



How TKS Works?

The horizontal vibrating screen power transmitted from the motor to the driving shaft through V-belts, and then transmitted through a 1:1 speed ratio gears. So that three shafts rotating at the same speed forcing the screen box continuous motion elliptically. The materials are continuously powered and thrown circumferentially on the screen surface. The forward motion is performed while throwing and keep repeating.



TKS Series Horizontal Vibrating Screen Advantages

- Higher capacity, higher efficiency, dual amplitude(14-18mm), vibrating angle(30-60°), frequency is adjustable(744-854r/min).
- The triaxial drive ideal elliptical motion. It has the advantages of both inclined vibrating screen and linear vibrating screen, the elliptical trajectory and amplitude are adjustable. The vibrating trajectory is adjustable based on the material which is a huge benefit.
- The triaxial drive is beneficial to less stress of frame, less load on the bearing, uniform the stress on the side plates, less stress concentration points, improve the stress conditions of the screen frame, and improve the reliability and lifetime of the screen. It has created a theoretical foundation for enlarged screens.
- It reduces the height of the equipment effectively due to installing horizontally. A great choice to apply to medium or large portable screening plant.
- Bearings lubricated by thin lubricants to cooling the bearing and prolong the lifetime.
- The TKS horizontal screen delivers 130%~200% capacity than other screens with the same mesh size.

Specifications

Model	Screen mesh (m^2)	Screen deck	Feed size (mm)	Capacity (tph)	Double-amplitude (mm)	Vibration frequency (r/min)	Motor Power (KW)	Weight* (KG)
2TKS1960	11.4	2	<150	150-450	12-16	744-854	30	8875
3TKS1960	11.4	3	<150	150-450	12-16	744-854	30	10742
2TKS2160	12.6	2	<150	150-500	12-16	744-854	37	10400
3TKS2160	12.6	3	<150	150-500	12-16	744-854	37	12300

* Exclude screen meshs.

YK SERIES INCLINED SCREEN

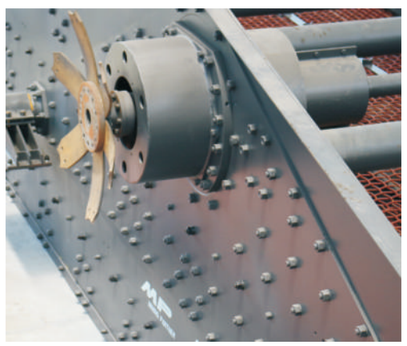
Brief Introduction on Inclined Vibrating Screen

YK series standard inclined vibrating screen is suitable for screening operations such as stone production and chemical industry. The feed size is under 200mm, and the particle size is 2~65mm. The equipment supply with advanced exciter, block eccentricity and disturbing piece connection, stronger excitation force, lower vibration noise, easier to maintain and more durable.



How YK works?

YK series inclined vibrating screen equipped with an eccentric vibration exciter rotated by motor and v-belts. The running eccentric generates a large centrifugal force, it leads the screen box to motivated circularly in a certain amplitude, and the materials are thrown from the screen surface to achieve screening.YK series inclined vibrating screen equipped with an eccentric vibration exciter rotated by motor and v-belts. The running eccentric generates a large centrifugal force, it leads the screen box to motivated circularly in a certain amplitude, and the materials are thrown from the screen surface to achieve screening.





YK Series Inclined Vibrating Screen Advantages

- The screen adopts block eccentricity and external vibration exciter structure. Completely disassembled design, the housing and eccentric block are quite compact. The whole design makes the exciter creating exciting force but still can be installed in the inner hole of the side plate, no more need to replace a single bearing. The overall disassemble and maintenance takes only up to two hours which reduces maintenance costs.
- The side plates of the screen are reinforced by steel. Besides the beam steel pipe and the flange joint's welding, the other parts are connected by twisted and sheared high-strength bolts. Heavy-duty bolts are applied to connect side plates and beam which tensile stress is tensile stress.
- Vibrator with rubber spring is low noise and stable. It's long-life, corrosion resistance, stable, low noise, and lower impact to the ground compare to other competitors.
- The screen equipped with a petal coupling in a simple structure, easy for manufacturing and maintenance, which overcomes the defect of the normal coupling. The motor and the exciter are connected by a disturbing coupling, no axial transmission of the torque, so the operation of the screen is more stable.

Specifications

Model	Screen mesh (m^2)	Screen deck	Inclination (°) Recommended	Feed size (mm)	Aperture size (mm)	Capacity (tph)	Double-amplitude (mm)	Motor power (KW)	Weight* (KG)
2YK1854	9.72	2	18(15-25)	<200	2-65	50-300	7-10	18.5	6759
3YK1854	9.72	3	18(15-25)	<200	2-65	50-300	7-10	22	8987
2YK2160	12.6	2	18(15-25)	<200	2-65	70-500	7-10	22	8293
3YK2160	12.6	3	18(15-25)	<200	2-65	70-500	7-10	30	11412
2YK2460	14.4	2	18(15-25)	<200	2-65	80-700	7-10	30	9212
3YK2460	14.4	3	20(15-25)	<200	2-65	80-700	7-10	37	11891
2YK2470	16.8	2	18(15-25)	<200	2-65	80-700	7-10	30	10012
3YK2470	16.8	3	20(15-25)	<200	2-65	80-700	7-10	37	12725
4YK2470	16.8	4	20(15-25)	<200	2-65	250-600	7-10	45	14256
2YK2870	19.6	2	20(18-25)	<200	2-65	120-700	7-10	37	12150
3YK2870	19.6	3	20(18-25)	<200	2-65	120-700	7-10	45	13855
2YK3072	21.6	2	20(15-25)	<200	2-65	200-800	7-10	2*22	13740
3YK3072	21.6	3	20(15-25)	<200	2-65	200-800	7-10	2*30	15201
4YK3072	21.6	4	20(15-25)	<200	2-65	300-850	7-10	2*30	17830
2YK3675	27	2	20(15-25)	<200	2-65	450-1200	7-10	2*45	24618
3YK3675	27	3	20(15-25)	<200	2-65	450-1200	7-10	2*45	27935

* Exclude screen meshs.

LV SERIES LINEAR SCREEN

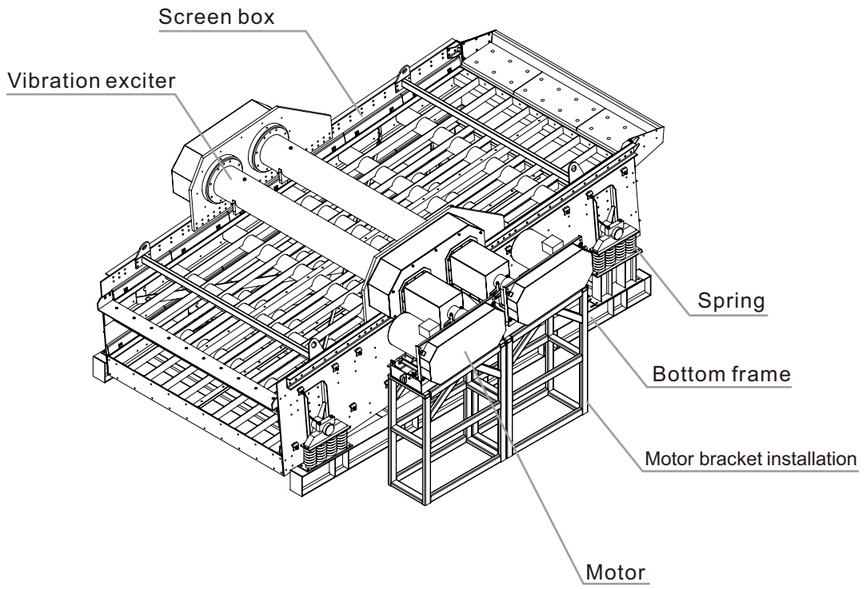
Brief Introduction on LV Series Linear Screen

LV series linear screens are the equipment mainly apply to industries like mines, quarries and sandstone yards for pre-screening before crushing or the screening after crushing and closed-circuit screening.



How LV Series Works?

Mining Partner LV series linear screen drives by double vibration motors. The motors drive the exciter, an exciter equipped with two shafts and an eccentric locate on each shaft. The two shafts rotate oppositely which creates a huge centrifugal force that drives material up and down to screening and grading.



LV Series Linear Screen Advantages

- 0~10° inclination angle in installation reduces the foundation height immensely.
- Dual mechanic vibrating unit suits heavy-duty conditions with higher efficiency and capacity, also with less assembly clearance.
- Wear-resistant rubber liners and heavy-duty screen wear-resistant protection applied to feed opening, discharge port, and sides.
- Up to 30mm feed size, aperture size 3~120mm.
- LV series linear screen is easier to maintain with lower costs.
- The upper assembly of the exciter is easier to assemble and inspect, easier to disassemble to lift.
- Feed opening protected by a 30mm thick rubber liner, which absorbs the impact of feeds. Also, the material dispersed in width evenly and prolongs the lifetime.
- Protection designed to all potential worn parts for easy replacement.
- Sophisticated oil-immersed lubrication allows the spindle to last longer.

Specifications

Model	Screen mesh (m^2)	Screen deck	Inclination (°) Recommended	Feed size (mm)	Aperture size (mm)	Capacity (tph)	Double-amplitude (mm)	Motor power (KW)	Weight* (KG)
LV2460D	14.4	2	0-10	<300	3-120	120-650	7-15	2*22	12915
LV2460T	14.4	3	0-10	<300	3-120	120-650	7-15	2*30	17710
LV3060D	18	2	0-10	<300	3-120	150-820	7-15	2*37	18278

* Exclude screen meshs.

Brief Introduction on VGF Series Vibrating Grizzly Feeder

The grizzly feeder is a piece of appropriate equipment for feeding to a primary jaw crusher or a primary impact crusher. Widely applied to such as metallurgy, coal mine, mineral processing, building materials, chemical industry, and grinding compound, etc. We highly recommend to operates with a jaw crusher.



How VGF works?

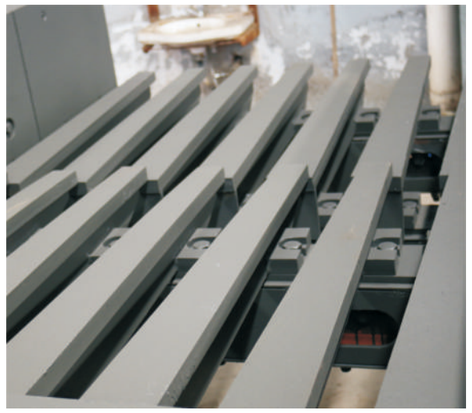
Mining Partner vibrating grizzly feeder's eccentric is driven by a motor, higher capacity, and capability to the impact of material's falling. The feeder's purpose is feeding the material to the next equipment equably and continuously to prevent shut down due to unstable feeding, which prolongs the equipment's lifetime. Grillings have been applied to the vibrating feeder for pre-screening which is an essential equipment of the whole system.



VGF Series Vibrating Grizzly Feeder Advantages

- Exciter with a heavy-duty dual shaft including an eccentric shaft and an eccentric block each. The gears rotate synchronously and lubricated by oil, v-belts also applied to motor's driving.
- Easy adjustment of strokes by increasing or decreasing the counter's weight and quantity.
- The feeder's chute and bearings are designed and manufactured to be operated in heavy-duty conditions. The capacity is higher and the impact resistance is stronger.
- The grizzling clearance can be adjusted in the range of 80-200mm, and the height difference between the rods is beneficial to re-separation.





Specifications

Model	Chute Size (mm)	Grizzly Length	Grizzly gap (mm)	Feed size (mm)	Capacity (tph)	Double-amplitude (mm)	Motor power (KW)	Weight (KG)
VGF1032	1000*3100	1*900	80-100	<600	250-300	8-10	15	3515
VGF1048	1000*4800	2*900	80-100	<600	250-300	8-10	15	5129
VGF1248	1200*4800	2*900	80-110	<800	350-500	8-10	18.5	5582
VGF1360	1300*6000	2*1200	90-120	<900	450-600	8-10	22	7564
VGF1560	1500*6000	2*1200	100-120	<1000	550-800	8-10	30	8100
VGF1860	1800*6000	2*1200	120-160	<1200	800-1200	8-10	45	11298
VGF2060	2000*6000	2*1200	120-180	<1300	1000-1500	8-10	55	14991

PF Series Pan Feeder Brief Introduction

PF series pan feeder is widely applied to mining, metallurgy, coal, building materials, light industry, chemical industry, electric power, food, and other industries. The PF Series pan feeders are designed for high capacity applications, especially for feeding crushers, screens, conveyors or unloading of stockpiles or bins.



The pan feeder is a new type of feeding equipment and installed under the feed bin. It vibrates to activate the material to void blockage and stickiness. Especially suitable for the feeding of secondary stage and tertiary stage with cone crusher, impact crusher and vertical shaft impact crusher.

How PF series works?

The pan feeder's main components include feeder, vibrator, support spring, electromagnet, and basis. The vibrator vibrates and creates horizontal and vertical forces after power-on, which drives the material to keep feeding downstream. The vibrator and feeding will stop after power off to complete feeding.



PF Series Pan Feeder Advantages

- Able to supply reverse braking control box to the feeder to shut down the feeder within a short time for reducing the vibration.
- Lightweight, compact and simplified.
- Easier installation and maintenance, lower costs.
- Low noise which friendly to the environment.

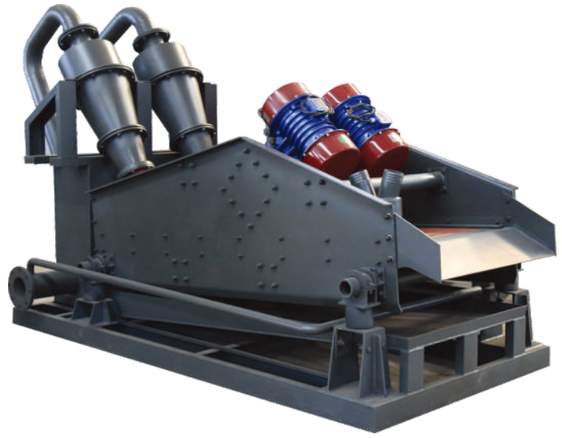


Specifications

Model	Chute Size L*W*H (mm)	Install type	Installation Angle (°)	Max Feed Size (mm)	Double-amplitude (mm)	Capacity (tph)	Motor power (KW)	Weight (KG)
PF1017Z	980*1900*250	stationary	0-10	300	4-6	200-350	2*1.1	956
PF1017D	980*1900*250	suspension	0-10	300	4-6	200-350	2*1.1	850
PF1218Z	1180*2000*300	stationary	0-10	350	4-6	300-450	2*1.5	1180
PF1218D	1180*2000*300	suspension	0-10	350	4-6	300-450	2*1.5	1098
PF1420Z	1350*2200*300	stationary	0-10	400	4-6	400-550	2*2.2	1403
PF1420D	1350*2200*300	suspension	0-10	400	4-6	400-550	2*2.2	1337
PF1520Z	1500*2000*300	stationary	0-10	400	4-6	500-600	2*2.2	1800
PF1620Z	1600*2200*300	stationary	0-10	400	4-6	500-650	2*3	1932
PF2022Z	2000*2200*300	stationary	0-10	400	4-6	600-700	2*3.6	3100
PF2325Z	2300*2500*300	stationary	0-10	600	4-6	800-1000	2*5.5	3870

Brief Introduction on Sand Recycling Machine

MP TSS series sand recycling machine is designed based on Europe's advanced technology, together with our practical situation and comes up to the advanced world standard. It is widely utilized in quarry, the manufactured sand production line, the recovery and the environmental protection project (mud cleaning)and so on, and can solve fine sand collecting problems.



How TSS series works?

The sand recycling machine is mainly composed of motor, residue slurry pump, cyclone, vibrating screen, rinse tank and recycling box. The compound of sand and water is transported to the cyclone by the pump, and the fine sand after centrifugal classification concentration is provided to the vibrating screen by the grit setting mouth, after vibrating screen dewater, the fine sand and water are effectively separated. Through the recycling box, little fine sand and mud return again to the rinse tank, and then they are exhausted from the discharge hole when the rinse tank liquid level is too high. The material weight concentration recovered by the linear vibrating screen is more than 60%. Adjusting the fineness module can be realized by changing the pump rotating speed and pulp concentration, regulating the overflow water yield and replacing the grit mouth, thus achieves its three functions washing, dewater and classification.

TSS Series Sand Recycling Machine Advantages

- Small volume, high capacity per unit area, easy layout
- The designed motor with high frequency, low-amplitude, and consumption suit to continuously work 24 hours a day
- Use V type screen desk design, low moisture content and high
- efficiency.
- The deck adopts a wear-resisting plate, which can prolong service life. Adopts modular and welded construction, it easy to replace.
- Reduces the time of random piling of fine material, and realizes direct transportation and market supplying.
- Different design for different customer requirement

Specifications

Model	Screen mesh (m^2)	Feed size (mm)	Capacity (tph)	Motor power (KW)	Weight (KG)
TSS0920	1.98	<10	20-30	1.5*2	1500
TSS1022	2.2	<10	30-40	1.5*2	2000
TSS1225	3	<10	50-80	2.2*2	2400
TSS1530	4.5	<10	100-120	3*2	3500

Brief Introduction on Sand Washing and Recycling Machine

The MP XSH serial sand washing and recycling machine is a practical product developed by the our company, which fully considers the comprehensive requirements of reducing equipment footprint, high-efficiency and energy-saving, and combines the functions of the sand washing machine on the basis of the sand recycling machine.



How XSH series works?

The sand washing and recycling machine has functions of sand washing, dehydration, and sand recycling. The sand washing and recycling machine is a machine that enters the sand water mixture into the cleaning tank, separates it through an impeller separator, and then enters the lower sand recycling machine for dehydration treatment. The wastewater overflowing from the cleaning pool (containing a large amount of impurities such as fine sand, mud, dust, etc.) is transported to the high-pressure separator through a vacuum high-pressure pump to separate the fine sand after centrifuging. After concentrating, it is discharged into the upper layer of the sand recycling machine through a sand settling nozzle. After cleaning, the wastewater, mud, dust, and impurities in the cleaning tank are discharged into the high-level return water tank through the overflow port of the high-pressure separator. The upper finished material produces coarse sand, while the lower finished material produces fine sand, or a mixture of coarse and fine sand. （The product can be adjusted as needed）

XSH Series Sand washing and Recycling Machine Advantages

Combining the characteristics and advantages of sand washing machines and sand recycling machines, it combines the functions of water washing sand and sand dehydration recycling, making it cleaner than traditional sand washing machines:

- The sand washing and recycling machine has high work efficiency, low energy consumption, and is energy-saving and environmentally friendly.
- Reasonable structure, small footprint, simple installation, and lower investment cost than the total price of two equipment: sand washing machine and sand recycling machine.
- The sand washing and recycling machine has long service life and low maintenance costs.

Specifications

Model	Wheel bucket size D x L (mm)	Wheel bucket useage	Screen set size (mm)	Capacity (tph)	Drive motor power (KW)	Vibration motor power (KW)	Slurry pump power (KW)	Weight (KG)
XSH1530	∅3000*1500	1	3000*1500	120	11	2.4*2	22	7000
XSH1120	∅3000*1500	2	3000*1500	120	11*2	2.4*2	22	12000
XSH2045	∅3000*2000	1	4000*2000	150	15	3.7*2	37	10000
XSH2120	∅3000*2000	2	4000*2000	150	15*2	3.7*2	37	15000
XSH3120	∅3000*2000	2	4500*2000	200	15*2	5.5*2	37	16000
XSH2560	∅3000*2500	1	6000*2500	250	15	9.0*2	22	14000

ON SITE USAGE EXAMPLES











MINING PARTNER

CRUSHING SCREENING DEDUSTING CONVEYING

Superior Quality | Superior Service