

CRUSHING AND GRINDING EQUIPMENT FOR MINES

SHENYANG SHUNDA HEAVY MINING MACHINERY MANUFACTURING CO.,LTD.



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CATALOGUE

Enterprise Profile	01
SD Series Gyratory Crusher	03
SDG Series High-Speed Gyratory Crusher and Semi-Mobile Crushing Station	05
Jaw Crusher	07
H Series Cone Crusher	09
HC High-Performance Series Cone Crusher	11
HC Heavy-Duty High-Performance Series Cone Crusher	15
HV Single-Cylinder Hydraulic Cone Crusher	17
HV/HVS Series Single-Cylinder Hydraulic Cone Crusher	19
Ball Mill	27
SAG Mill	29
SDTM Tower Mill	31
Disc Mill	33
Product Performance Table	35
Full-Lifecycle Services for Core Equipment of Metal Mines	37
Group Service Process	39
Project Case Sites	41
Enterprise Honors	53



Shunda Mining Group, located in Shenyang, Liaoning Province, is a large private enterprise specializing in full-lifecycle technical services in the field of the mining engineering. Established in 1988, the company covers an area of approximately 270,000 square meters, and has obtained ISO9001 Quality Management System and ISO14001 Environmental Management System Certifications.

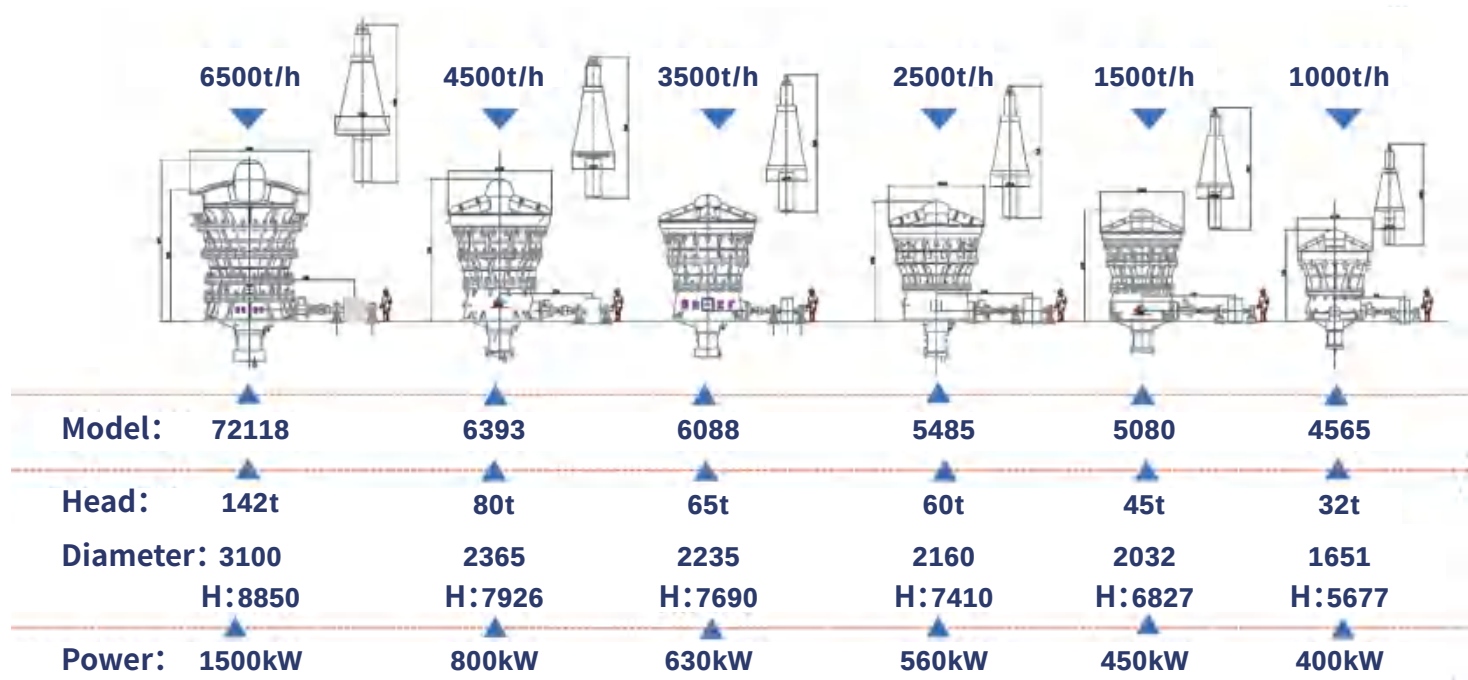
The Group owns multiple core industrial-chain subsidiaries, including Shenyang Shunda Heavy Mining Machinery Manufacturing Co., Ltd., Shenyang Qiangqiang Heavy Industry Co., Ltd., Shenyang Shunda Import & Export Co., Ltd., Shenyang Industrial Motor Co., Ltd., Lotus Atelier, Mining Design and Research Institute, and Technical R&D Center. Among them, Shenyang Shunda Heavy Mining Machinery Manufacturing Co., Ltd. has become one of the leading companies in China's crushing and grinding industry. Its SD(G) series hydraulic gyratory crushers, H series heavy cone crushers, HC series cone crushers, JPS high-quality sand making machines, MZS series SAG mills, MQS/MQY series ball mills and SDTM series tower mills are well sold to major mining enterprises at home and abroad. Meanwhile, Shunda Mining has invested heavily in R&D in the ultra-fine grinding field to develop SDDM series disc mills to meet the growing demand for ultra-fine powder materials. Shunda Mining has been awarded the title of China Preferred Brand in the Crushing and Grinding Industry for many consecutive years. Qiangqiang Heavy Industry has a production capacity of 3,000 tons of carbon steel, 1,000 tons of manganese steel per month, a single casting capacity of 90 tons of molten steel, and a heat treatment capacity of 120 tons, which is an important guarantee for the stable and reliable performance and short delivery time of Shunda Mining Group's crusher products.

After decades of continuous innovation and development, Shunda Mining Group has acquired mineral processing technologies including crushing, grinding, separation and sand making, as well as capabilities in the design and manufacturing of a full range of complete sets of equipment, full-lifecycle services, EPC and EPC+M+O general contracting. Its products are exported to more than 110 countries and regions and widely applied in mining, metallurgy, building materials, transportation, water conservancy and hydropower projects and other fields.



SD Series Gyratory Crusher

SD Series Gyratory Crushers are ultra-heavy hydraulic gyratory crushers with top service design, specially developed for hard rock crushing. They are widely applied with the characteristics of large reduction ratio, high processing capacity, convenient maintenance and stable operation. Customized cavity types and motion parameters can be provided according to different working conditions.



Gyratory Crusher Technical Parameter Table

National Standard Model	Model	Open Side Setting (mm)	Feed Opening (mm)	Maximum Diameter of Head(mm)	Maximum Feed Size(mm)	Driving Motor Power(kW)	Capacity(t/h)
1m Gyratory Crusher	SD4265	140-200	1065	1651	900	400	1010-2870
1.2m Gyratory Crusher	SD5080	150-200	1270	2032	1050	450-500	1100-3150
1.4m Gyratory Crusher	SD5485	150-200	1400	2160	1200	560	1800-3350
1.5m Gyratory Crusher	SD6088	150-220	1500	2235	1300	630	2500-4200
1.6m Gyratory Crusher	SD6393	175-225	1600	2362	1400	800	3150-5600
1.8m Gyratory Crusher	SD72118	175-250	1800	2997	1600	1250	4150-10500
1.9m Gyratory Crusher	SD75120	175-250	1900	3050	1700	1600	4500-11500

Note: The above parameter table is for reference only, actual capacity is subject to material type and operating conditions.

Gyratory Crusher Capacity Parameter Table

Wi:10-25kWh/t		Capacity (t/h) Corresponding to Open Side Setting (mm),Bulk Density: 1.6 (t/m³)					
Model	Feed Opening (mm)	140	150	175	200	225	250
SD4265	1065	1010-2010	1050-2335	1250-2815	1550-2870		
SD5080	1220		1100-2400	1450-2960	1680-3150		
SD5485	1400		1800-2885	1980-3100	2020-3350		
SD6088	1500		2500-3050	2250-3500	2850-3650	3000-4200	
SD6393	1600			3150-4250	3350-5550	3650-5600	
SD72118	1800			4150-5600	4550-7500	5250-8500	6200-10500
SD75120	1900			4500-6100	5000-8000	6300-9500	7500-11500

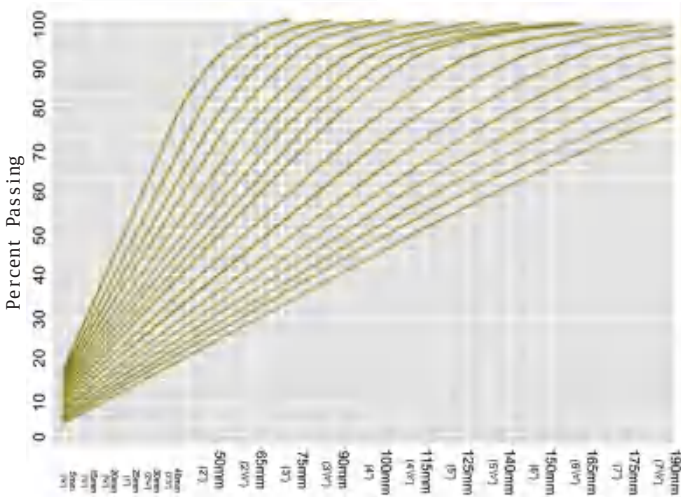
Note: This table is for the type selection of SD series gyratory crushers, actual capacity is related to rock characteristics, feed size distribution, product particle size, etc. For details, please consult Shunda Design Institute.

Shunda Mining Gyratory Crusher Calculation Example

When the open side setting of the SD6393 Gyratory Crusher is 200 mm, the yield of 0-200 mm product when crushing hard rock is approximately 75%. Select the corresponding curve according to the diagram, and the product size distribution shown in the table below is obtained by referring to the curve table on the right:

Open Side Setting(mm)	Approximate Percentage Passing(%)
200	75
175	72
150	64
125	55
100	45
50	28
25	15

Crushing Work Index (for product curve selection)	Square Hole Sieve Passing Rate (%)
Soft(Wi<10)	90
Medium-hard (Wi=10~15)	85
Hard (Wi=>10~ 15)	75



SDG Series High-Speed Gyratory Crusher and Semi-Mobile Crushing Station

SDG Series High-Speed Gyratory Crusher is the core primary crushing equipment in modern ore crushing processes, representing a new direction in the technological development of gyratory crushers. Compared with conventional gyratory crushers, its key features are “high speed” and “high energy efficiency,” designed to deliver higher capacity, better particle shape and lower total operating cost for large-scale mining and aggregate projects.



SDG Series High-Speed Gyratory Crusher Technical Parameters

Model	SDG4265	SDG5065	SDG5475	SDG6275	SDG6089	SDG60110
Standard Cavity						
Open Side Setting:						
Minimum	140mm	150mm	150mm	150mm	165mm	165mm
Maximum	175mm	175mm	200mm	200mm	230mm	230mm
Coarse Cavity						
Open Side Setting:						
Minimum	150mm	165mm	165mm	165mm	190mm	190mm
Maximum	200mm	200mm	215mm	215mm	250mm	250mm
Feed Opening	1067mm	1270mm	1370mm	1575mm	1525mm	1525mm
Maximum Round Feed Size	910mm	1100mm	1200mm	1400mm	1400mm	1400mm
Maximum Eccentricity	38mm	38mm	41mm	41mm	46mm	51mm
Head Stroke	200mm	200mm	200mm	200mm	200mm	200mm
Diameter of the Bottom of Head	65"(1650mm)	65"(1650mm)	75"(1905mm)	75"(1905mm)	89"(2260mm)	110"(2794mm)

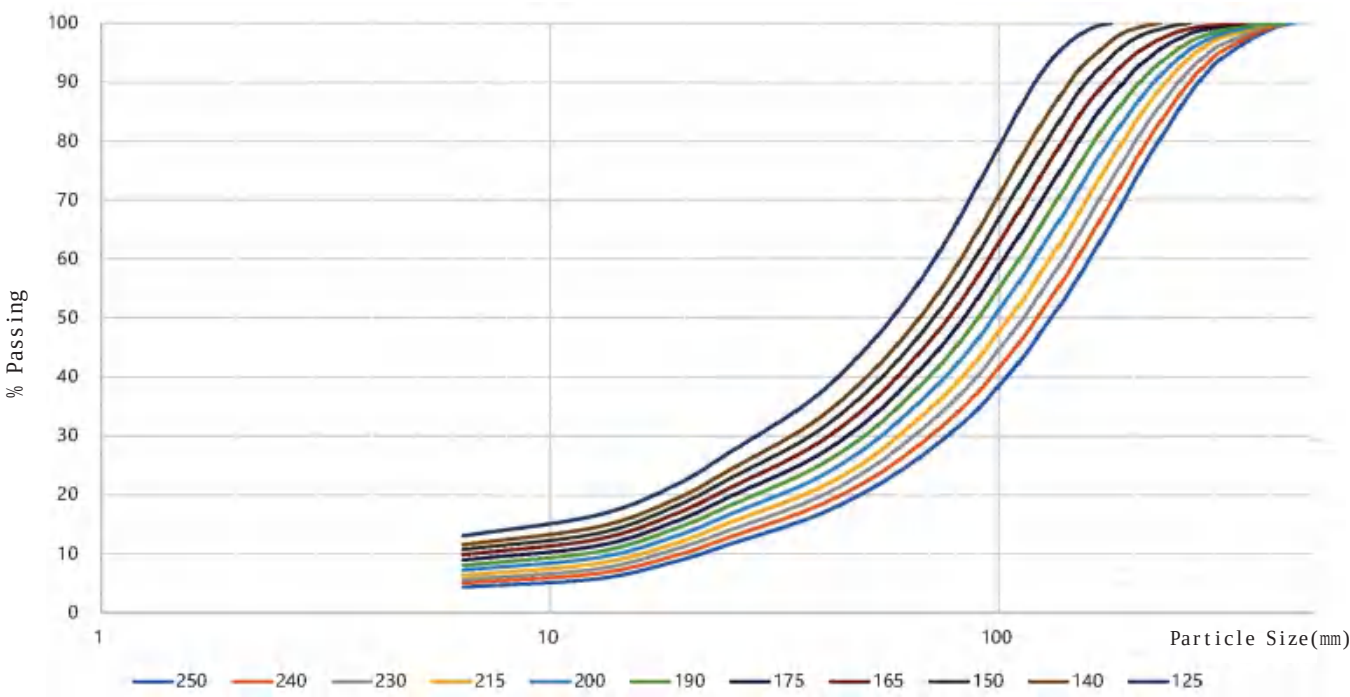
Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

SDG Series High-Speed Gyratory Crusher Capacity

Open Side Setting	Capacity (t/h)					
	SDG4265	SDG5065	SDG5475	SDG6275	SDG6089	SDG60110
125mm						
140mm	2010					
150mm	2340	2400	2890	3460		
165mm	2520	2780	2990	3620		
175mm	2870	2940	3150	3820	4200	5535
190mm	3090	3160	3340	4210	4540	6945
200mm			3490	4330	5300	7335
215mm			3700	4540	5530	7570
230mm					5810	8280
240mm					6100	8595
250mm					6430	8890

The above capacities are based on the following assumptions: 100% of feed passes 80% of the feed opening width; 80% passes 60% of the feed opening width; 50% passes a screen aperture of 10% of the maximum feed size. These capacity values apply to material with a bulk density of 1.6 t/m³. All capacities are calculated at the maximum eccentricity of each unit. All performance capacities are subject to varying application conditions. Factors to be considered when determining the total crushing capacity include: material characteristics, feed size, feed size distribution, work index, moisture content and feeding method. Please consult engineers of Shunda Mining to confirm your throughput requirements.

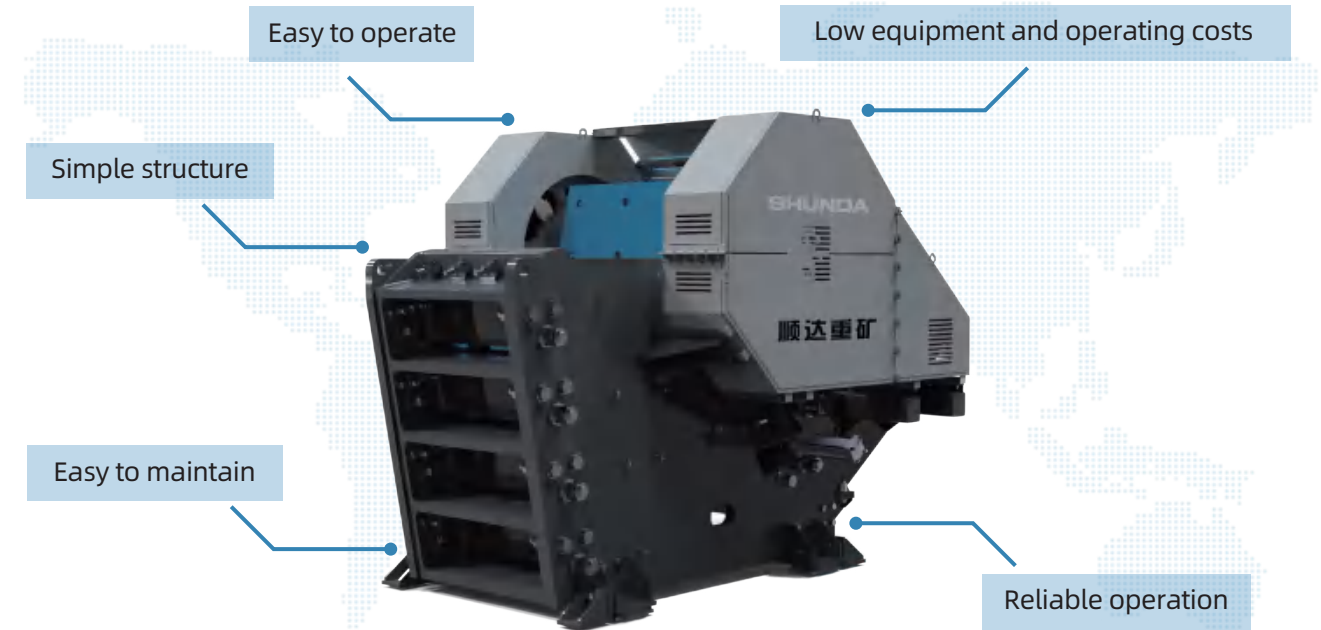
SDG Series High-Speed Gyratory Crusher Particle Size Distribution



The particle size curves can be used as a tool for the preliminary selection of SDG Series Gyratory Crushers, the data in the table applies to medium-hard ore with a hardness of 10 - 15 and a feed bulk density of 1.6 t/m³, under the conditions that 100% of feed passes 80% of the feed opening width, 80% passes 60% of the feed opening width, 50% passes a screen aperture of 10% of the maximum feed size, the particle size distribution under open circuit operation. If the feed conditions change or the ore is easier/harder to crush, the product size will also vary. For detailed particle size distribution, please consult our engineers.

DC Series Jaw Crusher

The DC Series Jaw Crusher is a new-generation product integrating internationally advanced technology and manufacturing processes. It is specially designed for high-standard projects such as highways and railways, as well as mining, metallurgy, building materials and other industries. It can efficiently crush hard materials such as basalt and granite with compressive strength ≤ 280 MPa. As core equipment for primary and secondary crushing, it has become the preferred choice for hard rock crushing due to its excellent stability and high efficiency. The product size is adjustable, suitable for various applications including metal mines, aggregate production, and water conservancy construction. The unique “V” shaped crushing chamber design improves feeding efficiency, prevents material blockage and reduces bearing wear. Key components such as the swing jaw and eccentric shaft are made of high-strength steel, providing far superior durability over traditional models. The integrated design of the main unit and motor makes the unit compact and lightweight. The hydraulic adjustment system facilitates easier operation and maintenance. Supporting customized configurations, the DC Series is widely used in run-of-mine crushing, slag processing, basalt aggregate production and other applications, making it the optimal equipment for high-efficiency crushing production lines.



DC Series Jaw Crusher Technical Parameters

Model	DC1060	DC1250	DC1400	DC1600	DC2000
Crusher Setting:					
Minimum	3" (75mm)	4" (100mm)	5" (125mm)	6" (150mm)	7" (175mm)
Maximum	8" (200mm)	9" (225mm)	10" (250mm)	12" (300mm)	12" (300mm)
Feed Opening Length	1060mm	1250mm	1400mm	1600mm	2000mm
Feed Opening Width	700mm	980mm	1160mm	1280mm	1500mm
Drive Motor	110kW	160kW	200kW	250kW	400kW
Overall Dimensions of Crusher Length × Width × Height	4000 × 2500 × 3000mm	4200 × 2700 × 3100mm	4500 × 3100 × 3900mm	5300 × 3500 × 4300mm	6700 × 4200 × 4600mm

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

DC Series Jaw Crusher Capacity

Setting	Capacity (t/h)				
	DC1060	DC1250	DC1400	DC1600	DC2000
75mm	161				
100mm	201	311			
125mm	255	371	446		
150mm	304	432	518	590	
175mm	402	491	589	672	801
200mm	450	551	660	752	900
225mm		610	732	834	995
250mm			803	915	1094
275mm				995	1188
300mm				1076	1292

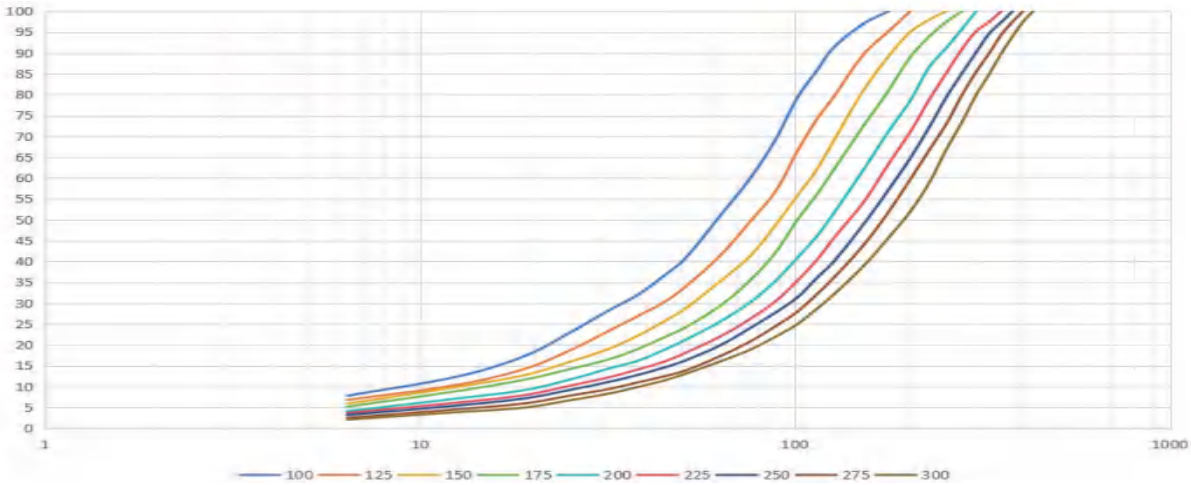
The production capacity table can be used as a tool for the preliminary selection of DC Series Jaw Crushers. Depending on the application and production requirements, it is often possible to produce with a smaller closed side setting. For performance prediction of the crusher in specific applications, please contact Shunda Mining.

The crusher production capacities indicated above are based on the following conditions: average bulk density of feed material is 1.6 t/m³, maximum feed size can enter the crushing chamber smoothly without bridging, fines smaller than the crusher closed side setting are not removed from the feed. Capacity varies with feeding method and feed characteristics such as gradation, bulk density, moisture content, clay content and crushability. Measurement of the crusher closed side setting varies with the jaw plate profile used and affects crusher capacity and product gradation.

The following factors can improve the production capacity and operating performance of the crusher:

- 1. Selection of appropriate jaw plates
- 2. Proper feed gradation
- 3. Controlled feed rate
- 4. Sufficient feed capacity and width
- 5. Adequate crusher discharge area
- 6. Discharge belt conveyor capacity matched with the maximum capacity of the crusher

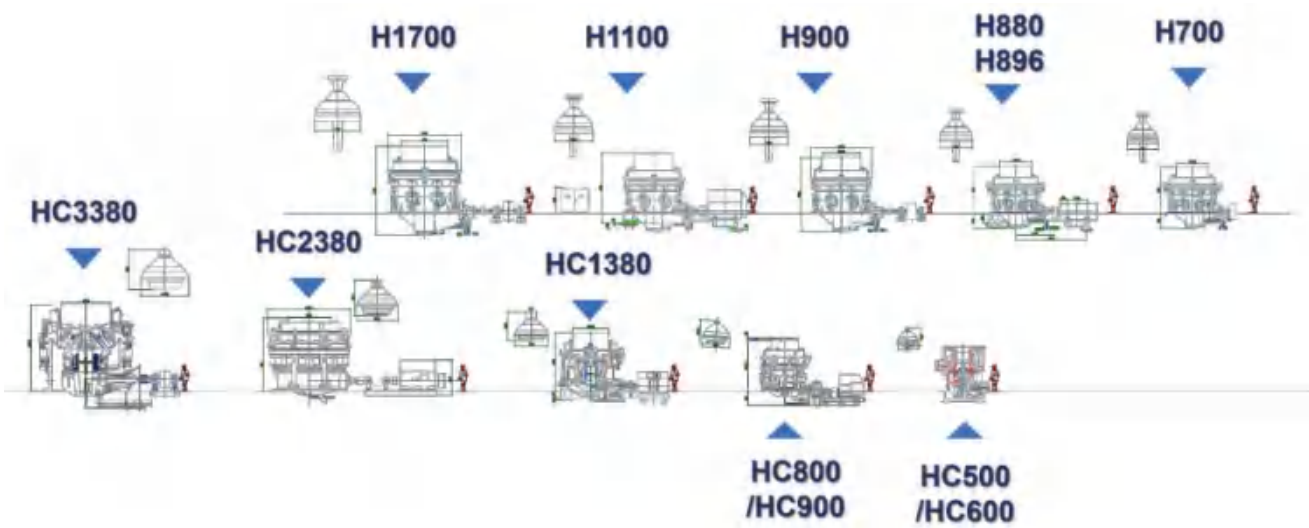
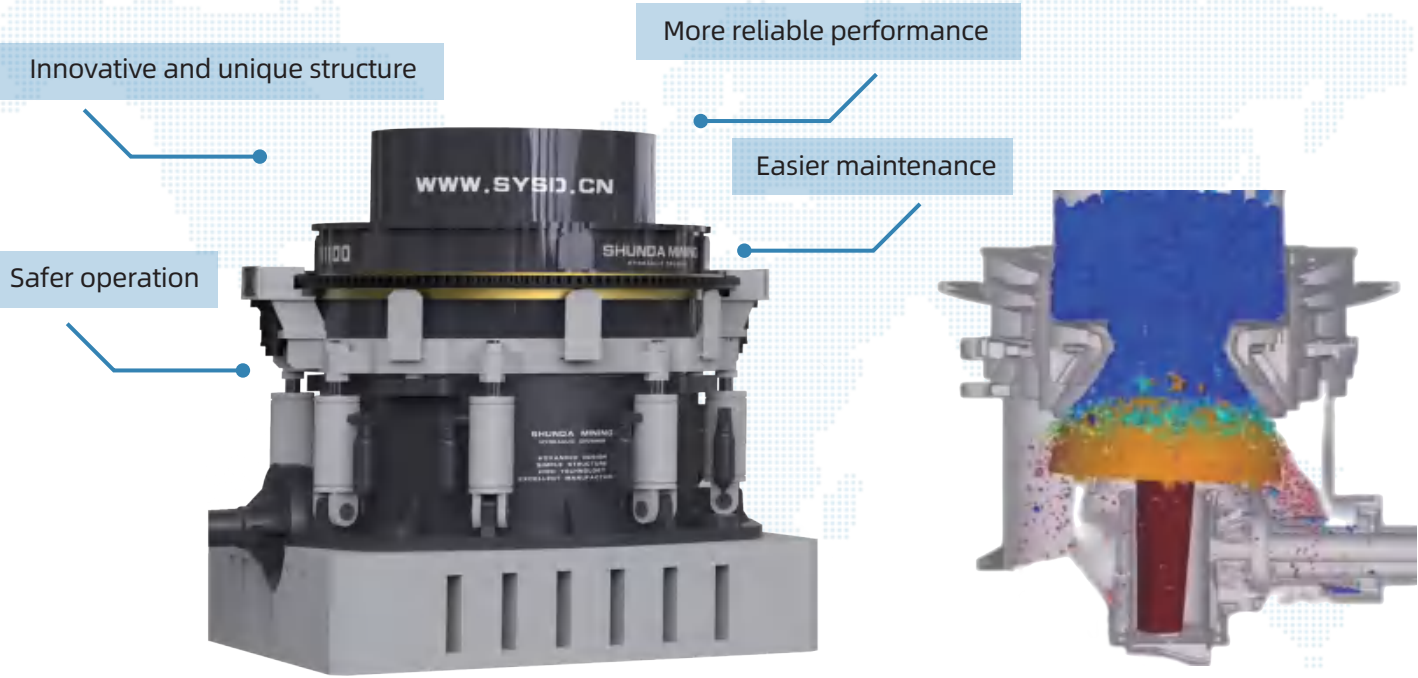
DC Series Jaw Crusher Particle Size Distribution



The particle size table can be used as a tool for the preliminary selection of DC Series Jaw Crushers. The data in the table applies to the particle size distribution for metal mines under open circuit operation, with feed material hardness ≥ 16 and bulk density of 1.6 t/m³. For aggregate mines or friable ores (typically hard limestone), the particle size curve shifts to the left. For detailed particle size distribution, please consult our engineers.

H Series Cone Crusher

The H Series Cone Crusher is designed for hard rock and widely applied. It features high crushing ratio, large capacity, easy maintenance and stable operation. Customized chambers and motion parameters can be provided according to different working conditions .



Selection Parameter Table for H Series Cone Crushers

Model	Installed Power (kW)	Chamber Type	Feed Size (mm)	Closed Side Setting (mm)										
				Open Circuit Capacity (t/h)										
				13	19	25	31	38	44	51	64	70	76	84
H300	75/90	Extra Fine	45	55-60	75-100	80-90								
		Fine	70	55-65	75-90	80-110								
		Medium	90	60-70	80-100	95-120								
		Coarse	150	60-70	80-110	100-130	130-180							
		Extra Coarse	180		85-110	120-140	130-200	140-220						
H400	180/220	Extra Fine	50	115-130	130-150	160-200								
		Fine	70	120-135	135-165	165-225	195-230							
		Medium	100	130-170	150-180	180-210	220-280	260-320						
		Coarse	150		180-220	220-300	250-300	280-360	350-420	400-500				
		Extra Coarse	240		220-300	240-320	260-330	300-420	360-430	410-530				
H500	280/315	Extra Fine	60	180-300	300-340	350-430	360-460							
		Fine	100		310-350	350-420	360-440	380-480						
		Medium	150		320-360	350-420	370-440	390-500						
		Coarse	250			365-430	375-485	400-520	430-550	500-620	560-780			
		Extra Coarse	330			370-440	380-500	450-550	480-580	520-660	580-800			
H600	355/400	Extra Fine	90	290-370	380-430	400-590								
		Fine	125		390-470	400-620	490-690	520-760						
		Medium	230			400-630	480-700	550-800						
		Coarse	300				495-710	550-800	600-850	650-880				
		Extra Coarse	370						600-850	680-900	780-950			
H700	450/500	Extra Fine	95	340-450	420-480	490-660								
		Fine	130		420-500	510-640	540-750	560-820						
		Medium	250			530-680	560-750	570-830	630-880					
		Coarse	330				560-760	570-845	650-900	690-910				
		Extra Coarse	360					575-850	670-950	720-1000	800-1150	930-1250	950-1310	
H880	560	Extra Fine	100	380-730	460-780	540-860								
		Fine	150		460-720	550-840	560-880	580-1020						
		Medium	250			560-880	560-850	580-1030	600-1280					
		Coarse	330				560-910	580-1045	670-1200	730-1310				
		Extra Coarse	380					585-1050	690-1250	770-1300	950-1350	920-1350	1000-1500	
H896	630	Extra Fine	100	390-760	480-780	550-860								
		Fine	150		480-700	550-800	590-900	650-1020						
		Medium	250			560-800	620-950	670-1030	730-1280					
		Coarse	330				610-940	670-1045	750-1200	890-1310				
		Extra Coarse	400					670-1050	770-1250	810-1300	1050-1350	1120-1350	1200-1590	
H1100	800	Extra Fine	100	490-990	595-1170	700-1320								
		Fine	150		585-1130	700-1360	790-1775	810-1850						
		Medium	250			710-1330	800-1710	860-1830	910-1915	1130-2450				
		Coarse	370				820-1725	840-1860	930-1940	1190-2430	1270-2550	1470-2620	1590-2770	1650-2800
		Extra Coarse	420						917-1920	1180-2420	1230-2595	1410-2630	1550-2750	1630-2800
H1700	1400	Extra Fine	110	970-1970	1140-2190	1650-3320								
		Fine	150		1125-2220	1600-3360	1790-3570	1910-3650						
		Medium	250			1610-3330	1800-3610	1960-3730	2051-3796	2430-4050				
		Coarse	370				1820-3580	1920-3790	2111-3833	2490-4030	2670-4520	2870-4620	2990-4930	3150-5100
		Extra Coarse	420						2129-3800	2480-4020	2630-4597	2810-4630	3050-4850	3234-5100

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

HC Series High-Performance Cone Crusher

The HC Series Cone Crusher combines the large crushing stroke generated by a high pivot point with a higher rotational speed, which greatly increases the rated power and throughput capacity of the crusher, making it the highest capacity cone crusher in its size class. The crushing technology of the HC Series Cone Crusher delivers maximum production capacity within a minimum footprint.

Based on the interparticle crushing principle, the HC Series Cone Crusher produces a more uniform particle size distribution, product shape is more oriented toward tertiary crushing in aggregate plants. It features higher yield of end products, low flakiness and elongated content, achieving superior product shape and higher salable material output.



	Chamber Type	HC300		HC500		HC600		HC900		HC1100		HC1300	
		Minimum Setting A	Minimum Feed opening B	Minimum Setting A	Minimum Feed opening B	Minimum Setting A	Minimum Feed opening B	Minimum Setting A	Minimum Feed opening B	Minimum Setting A	Minimum Feed opening B	Minimum Setting A	Minimum Feed opening B
	Short Head Fine	6	22	8	52	10	52	10	88	10	64	10	70
	Short Head Medium	8	53	10	57	13	106	13	151	13	104	13	98
	Short Head Coarse	10	77	13	95	-	-	16	172	16	140	16	148
	Standard Fine	13	107	16	133	20	196	20	252	22	240	22	249
	Standard Medium	17	150	20	204	25	279	32	307	32	343	32	351
	Standard Coarse	19	211	25	286	30	330	38	370	38	360	38	370
	Standard Extra Coarse	25	233	30	335			45	428				

Note: The above parameters are for reference only,actual capacity is subject to material type and operating conditions.

HC Series High-Performance Cone Crusher Technical Parameters

Model	HC300	HC500	HC600	HC900	HC1100	HC1300
Feed Opening	25-233mm	53-335mm	52-330mm	88-370mm	64-360mm	70-370mm
Clearing Stroke	85mm	125mm	150mm	150mm	150mm	150mm
Head Diameter	44"(1120mm)	60"(1520mm)	55"(1400mm)	70"(1800mm)	90"(2300mm)	90"(2300mm)
Countershaft Speed	700-1200RPM	700-950RPM	720-990RPM	990-1350RPM	720-990RPM	720-990RPM
Recommended Drive Power for Crusher	300HP(250kW)	500HP(400kW)	600HP(500kW)	900HP(710kW)	1100HP(850kW)	1300HP(950kW)
Drive Motor Speed	990/1483RPM	990/1483RPM	990RPM	1483RPM	990RPM	990RPM
Crusher Overall Dimensions Length × Width × Height	600 × 2600 × 2200 mm	3400 × 3400 × 2715 mm	4560 × 3750 × 3270 mm	7700 × 5140 × 4460 mm	9800 × 6920 × 4790 mm	9800 × 6920 × 4790 mm

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

HC Series High-Performance Cone Crusher Capacity

Cavity	Closed Side Setting	Capacity(t/h)					
		HC300	HC500	HC600	HC900	HC1100	HC1300
Short Head Fine	10mm	115-140	175-220	220-300	270-350	510-565	640-710
Short Head Medium	13mm	150-185	230-290	280-380	325-450	615-730	770-915
Short Head Coarse / Standard Fine	16mm	180-220	280-350	335-450	400-550	709-855	885-1075
Standard Fine	19mm	200-240	320-400	370-490	435-600	720-900	900-1125
Standard Fine	22mm	220-260	345-430	410-535	495-675	840-1035	1050-1295
Standard Fine	25mm	230-280	365-455	430-570	525-770	915-1210	1145-1510
Standard Medium	32mm	250-320	405-535	440-630	600-900	1155-1455	1450-1820
Standard Medium	38mm	300-380	445-605	515-715	650-1050	1375-1750	1720-2190
Standard Coarse	45mm	350-440	510-700	570-780	780-1250	1620-2085	2025-2605
Standard Coarse	51mm		580-750	650-905	900-1450	1830-2420	2290-3025
Standard Coarse	56mm			735-1030	1020-1650	2070-2750	2595-3440
Standard Coarse	64mm			825-1120	1150-1800	2335-3000	2925-3755
Standard Coarse	70mm			930-1245	1300-2000	2640-3335	3305-4170

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

The capacity table serves as a preliminary selection tool for H single-digit series cone crushers. The data in the table applies to the capacity under the conditions of feed with a bulk density of 1.6 t/m³, screen out feed particles smaller than the setting from feed, capacity under open-circuit operation; Under conditions with a high content of fine particles in the feed and closed-circuit operation, the equipment capacity is 15%-30% higher than that in open-circuit operation. As an important part of the production circuit, the performance of the crusher depends in part on the proper selection and operation of feeders, belt conveyors, vibrating screens, support structures, motors, drive units, surge bins, and other components.

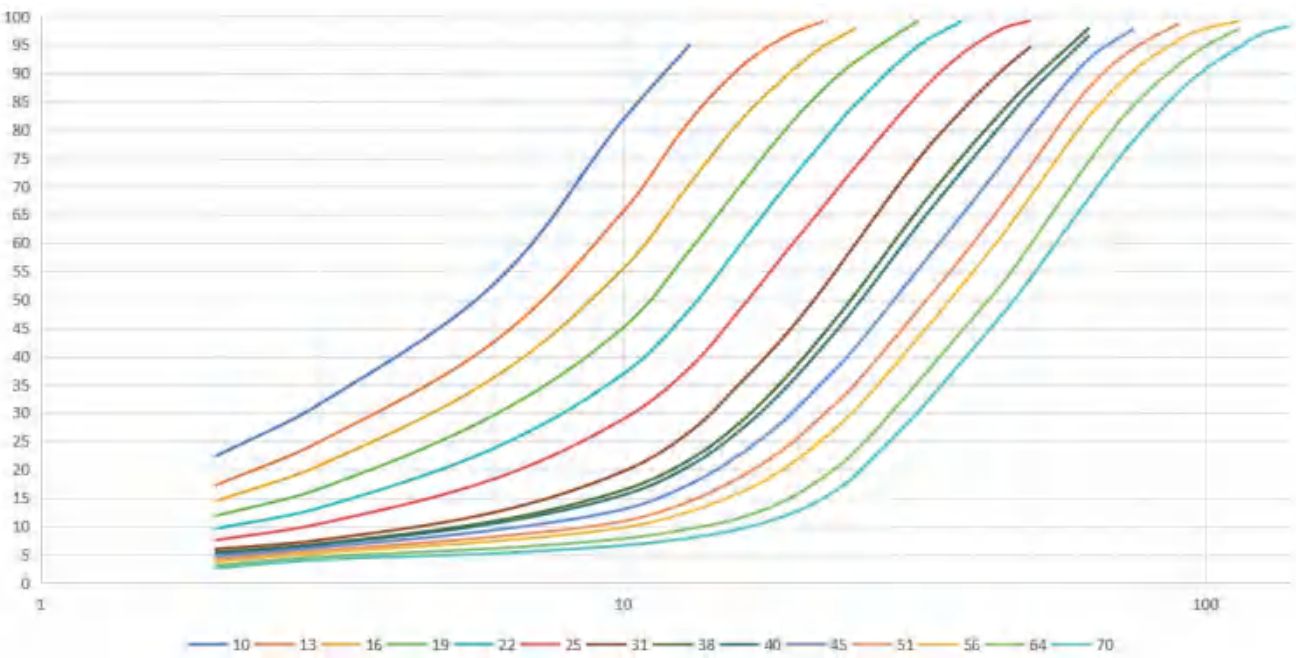
The following factors can improve the capacity and performance of the crusher:

1. Select the correct crushing chamber for the material to be crushed.
2. Properly graded feed size distribution.
3. Feed Rate Control.
4. Distribute the feed evenly around the full 360° of the crushing cavity.
5. Ensure the discharge conveyor capacity matches the maximum throughput of the crusher.
6. Prescreening with proper selection of prescreen and closed-circuit screen sizes.
7. Apply automatic control.
8. Keep the crusher discharge area unobstructed.

The following factors will reduce the capacity and performance of the crusher:

1. Sticky material present in crusher feed.
2. Fines in the feed that are smaller than the setting exceed 10% of the crusher throughput.
3. Excessive moisture content in the feed.
4. Feed segregation in the crushing cavity.
5. Uneven feed distribution around the crushing cavity.
6. Lack of feed control.
7. Underutilization of the recommended capacity.
8. Insufficient conveyor capacity.
9. Insufficient capacity of prescreening and closed-circuit screening.
10. Insufficiently clear crusher discharge area.
11. Material that is excessively hard or tough.
12. Crusher operating below the recommended speed.

HC Series High-Performance Cone Crusher Particle Size Distribution



Note: The particle size table can be used as a preliminary selection tool for H single-digit series cone crushers. Data in the table applies to metal mines with feed having a hardness ≥ 16 , bulk density of 1.6 t/m³, fines smaller than the setting screened out from feed, and particle size distribution under open-circuit operation conditions. For aggregate mines or friable-ore mines (represented by hard limestone), the particle size curve shifts left. Please consult our engineers for detailed particle size distribution.

HC Heavy-Duty High-Performance Series Cone Crusher

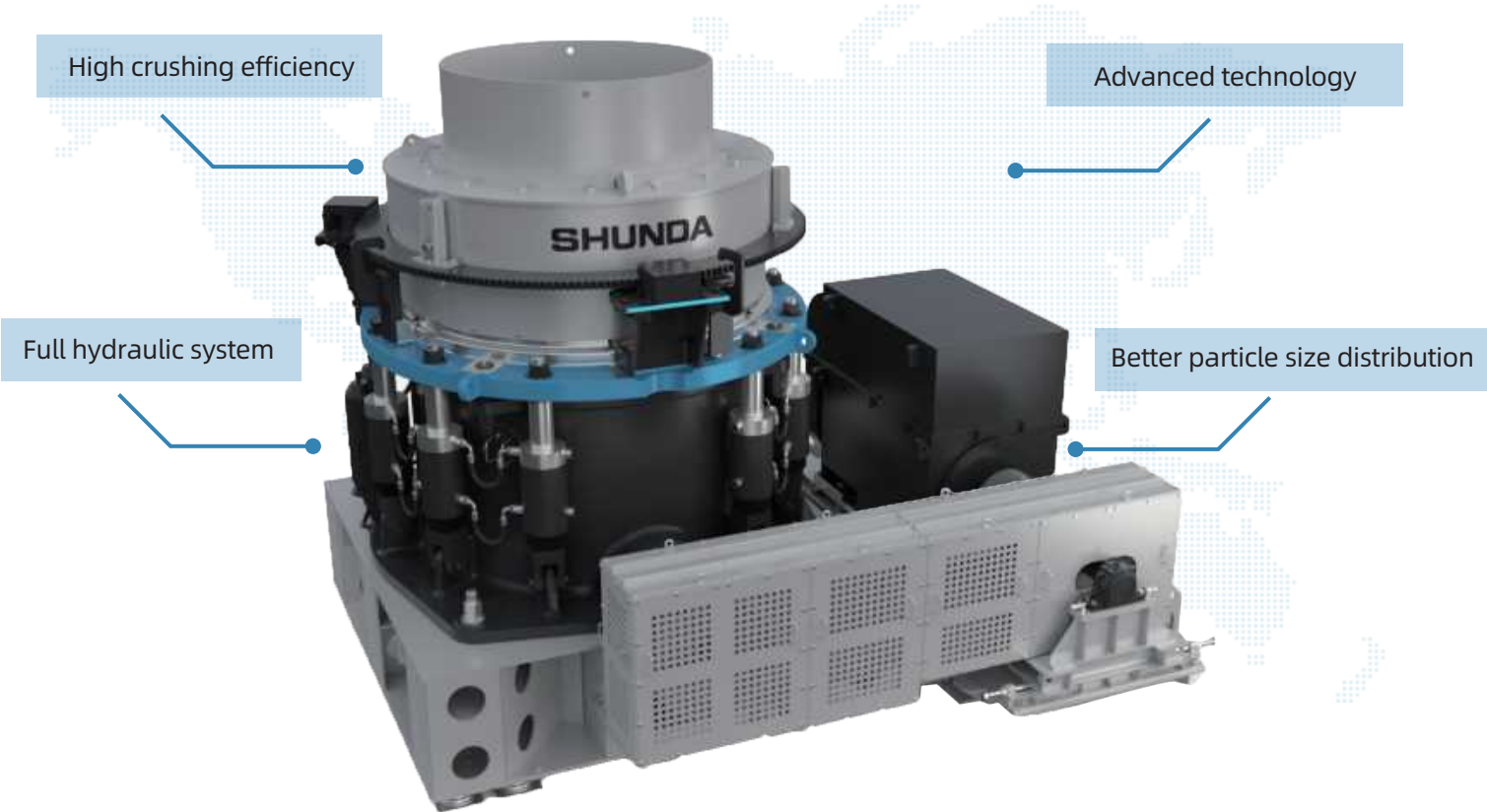


Table of Technical Specifications for HC Heavy-Duty High-Performance Series Cone Crushers

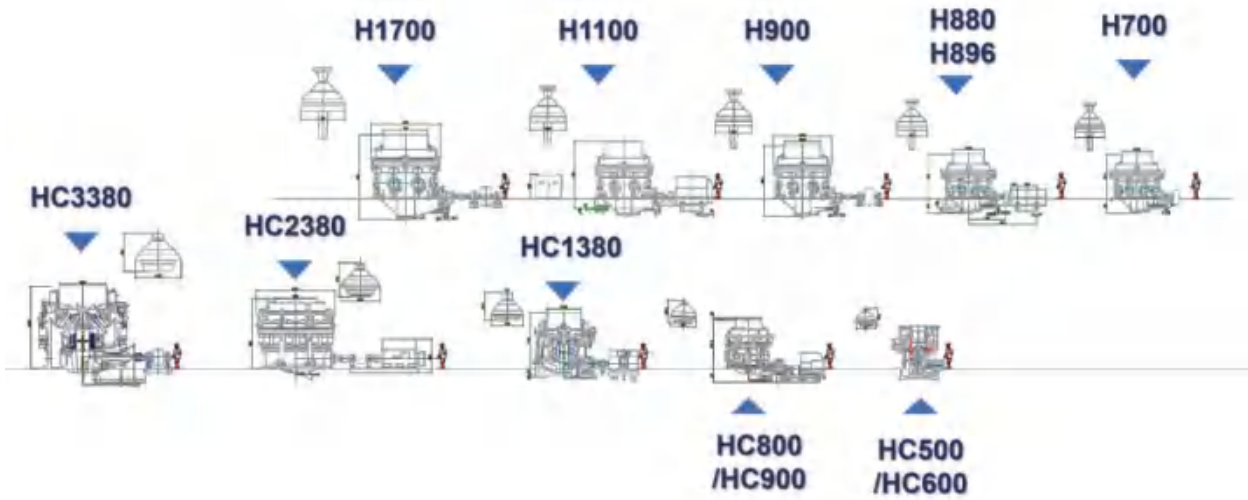
Closed Side Setting(mm)	HC1380	HC2380	HC3380
	Capacity(t/h)	Capacity(t/h)	Capacity(t/h)
16	500-990	1000-1990	1500-2700
19	550-1150	1110-2250	1650-3300
22	650-1190	1360-2380	2000-3380
25	780-1350	1560-2610	2180-3900
32	875-1345	1750-2790	2800-4010
38	1010-1550	2030-3080	3050-4600
44	1200-1800	2470-3550	3700-4800
50	1430-2100	2850-4190	4250-6300

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Table of Technical Specifications for HC Heavy-Duty High-Performance Series Cone Crushers

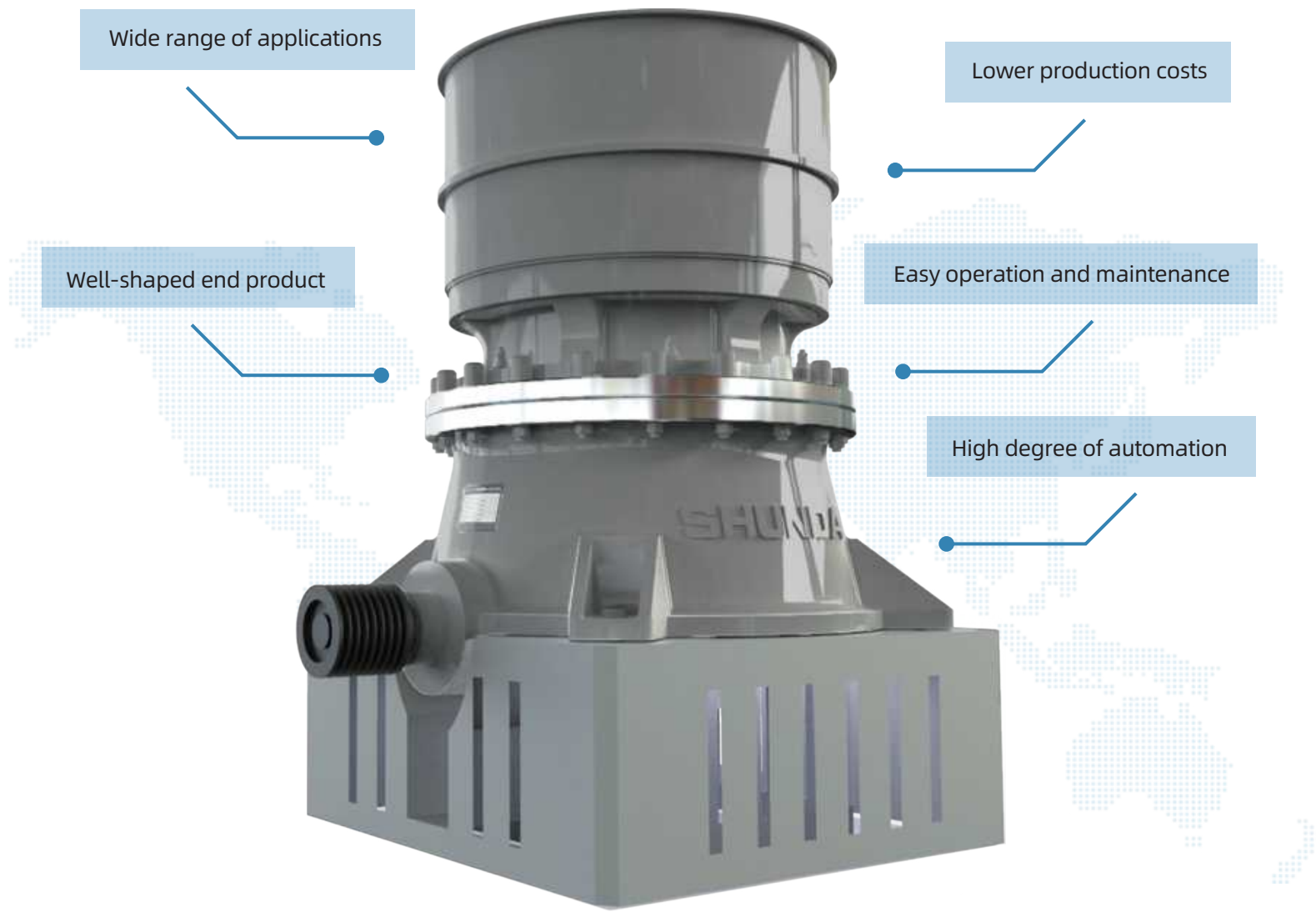
Crusher Model	HC1380	HC2380	HC3380
Installed Power	800kW	1600kW	2400kW
Head Diameter	2350mm (92 inches)	2850mm (112 inches)	3500mm (138 inches)
Largest Serviceable Component	31t	44.5t	78.5t
Total Weight	165t	295t	455t
CSS=50mm	1300-2400t/h	2500-4500t/h	4000-6000t/h
CSS=30mm (Hard Rock Material)	900-1400t/h 0-30mm finished product (550-900t/h)	1800-2800t/h 0-30mm finished product (1100-1800t/h)	2800-4000t/h 0-30mm finished product (1650-2700t/h)
Fine Crushing for Metallic Ore, Newly Generated Size (0-8 mm)	550-650t/h	1050-1300t/h	1550-2000t/h

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.



HV Single-Cylinder Hydraulic Cone Crusher

The HV Series Single-Cylinder Hydraulic Cone Crusher is suitable for large and medium sized sand-aggregate and ore processing enterprises, performing secondary, tertiary and quaternary crushing of ores, rocks or bedrock materials.



HV Series Single-Cylinder Hydraulic Cone Crusher Performance Parameter Table

Model	Main Motor Power(kW)	Chamber Type	Maximum Feed Size (mm)	Setting Range (mm)	Throughput(t/h)
HV411	90	Fine	50	8-20	30-55
		Medium	100	10-32	45-95
		Coarse	155	13-38	55-115
		Extra Coarse	240	22-45	75-150
HV422	160	Fine	80	10-32	50-100
		Medium	125	10-38	65-150
		Medium Coarse	210	13-44	80-200
		Coarse	280	23-48	110-240
		Extra Coarse	320	25-54	140-290
HV433	250	Fine	95	10-38	85-175
		Medium	160	16-45	95-200
		Medium Coarse	250	16-51	100-295
		Coarse	320	28-56	160-400
		Extra Coarse	420	35-64	220-475
HV665	355	Fine	70	10-38	150-300
		Medium Fine	120	13-40	160-350
		Medium	180	18-51	200-450
		Medium Coarse	250	25-54	240-500
		Coarse	320	40-64	400-600
		Extra Coarse	475	60-80	600-800
HV871	630	Fine	100	19-51	350-750
		Medium	180	22-70	410-1050
		Coarse	280	25-78	480-1450
		Extra Coarse	420	40-90	600-1950
HV898	750	Fine	100	16-57	400-1010
		Medium	200	25-75	560-1550
		Coarse	350	28-80	600-2050
		Extra Coarse	430	32-100	610-2100

Note: The above parameters are for reference only, actual throughput is subject to material type and operating conditions.

HV/HVS Series Single-Cylinder Hydraulic Cone Crusher

The HV/HVS Series Single-Cylinder Hydraulic Cone Crushers feature advanced structural design, excellent crushing capacity, outstanding reliability and low production and operating costs. A single hydraulic cylinder lifts and lowers the head to realize multiple functions including setting adjustment, cavity clearing, tramp iron release and overload protection. Equipped with an intelligent setting control and protection system, they provide enhanced production process control and operation optimization functions. The HVS Series Single-Cylinder Hydraulic Cone Crushers share similar principles and structures with the HV Series, yet feature a larger feed size, making them more suitable for secondary crushing applications in metal mines and sand-aggregate production.



Table of Technical Specifications for HV/HVS Series Single-Cylinder Hydraulic Cone Crushers

Model	HVS440/HV440	HVS660/HV660	HV870	HV870+	HV890
Feed Size	300-450mm 42-215mm	500-560mm 50-275mm	85-350mm	85-350mm	85-420mm
Eccentric Throw	20-36mm 16-44mm	20-40mm 18-50mm	30-70mm	30-80mm	24-70mm
Clearing Stroke	200mm	200mm	200mm	200mm	200mm
Crusher Diameter	980mm/1105mm	1120mm/1330mm	1540mm	1540mm	1870mm
Countershaft Speed	1490RPM	1120-1490RPM	990RPM	990RPM	990RPM
Maximum Drive Motor	300HP(250kW) 1490RPM	400HP(315kW) 1490RPM	700HP(520kW) 996RPM	800HP(630kW) 996RPM	1000HP(750kW) 996RPM
Main Body Weight	21,370kg/16,200kg	40,260kg/27,000kg	49,800kg	67,130kg	97,000kg
Head Assembly Weight	5,240kg/3,825kg	8,320kg/6,200kg	11,200kg	11,200kg	18,435kg
Upper Frame Weight	8,623kg/5,235kg	17,720kg/8,500kg	13,200kg	17,200kg	18,435kg

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Capacity Table for HV/HVS Series Single-Cylinder Hydraulic Cone Crushers

Model	Capacity (t/h)										
	Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HVS440	Maximum Feed Size(mm)	450		400	300						
	29				245						
	32			291	257-391						
	35	273-318		304-463	269-409						
	38	285-434		317-483	281-427						
	41	297-452		331-503	292-445						
	44	309-470		334-456	304-403						
	48	325-495		362-421	320-372						
	51	337-447		375	332						
	54	349-406									

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Model		Capacity (t/h)										
		Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HV440	Maximum Feed Size(mm)	215		175	150	120	90	80		42		
	CSS	4									58-110	
		5									60-114	
		6									62-110	
		8							80		66-108	
		10							85-162		70-106	
		13	112-155		108-137	118-164	125-206	108-207	92-175		76-95	
		16	121-214		117-223	128-243	135-257	117-223	99-189		82-92	
		19	129-247		126-239	137-261	145-276	126-239	107-203			
		22	138-263		134-256	146-279	154-294	134-256	114-217			
		25	147-280		143-272	156-297	164-313	143-272	121-231			
		29	159-303		154-294	168-320	177-292	154-254	131-215			
		32	168-320		163-310	177-292	187-284	163-247	138-209			
		35	176-336		171-282	187-284	197-248	171-216	145-183			
		38	185-353		180-273	196-247	207-234	180-203	153-172			
		41	194-320		188-237	205-232						
		44	203-308		197-222							
		48	215-270									

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Model		Capacity (t/h)										
		Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HVS660	Maximum Feed Size (mm)	560	500									
	CSS	35	335									
		38	331-385	350-464								
		41	345-514	364-602								
		44	359-593	379-626								
		48	378-624	399-658								
		51	392-647	413-683								
		54	406-670	428-707								
		57	420-693	443-731								
		60	433-716	458-755								
		64	452-746	477-710								
		70	480-792	507-589								
		76	508-756									
		83	540									

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Model		Capacity(t/h)										
		Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HV660	Maximum Feed Size(mm)	275	245	215	175	135	115	85		50		
	CSS	13						184-215	149-257	126-239		
		16			291-231	207-264	203-326	198-375	161-304		136-235	
		19	169-197	200-255	235-379	222-407	217-411	213-402	173-327	146-236		
		22	180-290	213-367	251-460	237-434	323-438	227-430	185-349		159-217	
		25	192-351	227-416	267-490	252-462	247-466	242-457	197-371	166-213		
		29	207-379	245-449	288-529	272-499	267-504	261-494	212-401		180-190	
		32	218-400	259-474	305-558	287-527	282-532	276-521	224-423			
		35	230-421	272-499	321-588	302-557	296-560	290-532	236-432			
		38	241-442	286-524	337-617	318-582	311-536	305-491	248-399			
		41	253-463	299-549	353-646	333-536	326-489	319-479	259-360			
		44	264-485	313-539	369-635	348-522	341-473	334-427	271-347			
		48	280-482	331-497	390-585	368-470	361-421	353-373	287-303			
		51	291-469	345-440	406-519	383-404	375					

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Model		Capacity(t/h)										
		Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HV870	Maximum Feed Size(mm)	350		280	230	180	105	95		85		
	CSS	10	202-240									
		13							236-397		219-418	
		16						273-490	254-486	236-451		
		19					351-418	293-559	273-521		254-484	
		22				403-517	375-631	313-597	292-557	271-517		
		25	392-466		421-541	429-721	399-671	332-635	310-593		288-550	
		29	423-623		455-713	463-779	431-725	359-686	335-640	311-594		
		32	446-751		480-808	489-822	455-765	379-724	354-676		329-627	
		38	493-830		531-893	540-908	503-846	419-800	391-747	363-693		
		44	540-909		581-978	591-995	551-926	459-772	428-720		398-669	
		51	595-1001		640-1077	651-1096	606-1020	505-697	472-650	438-645		
		57	642-1080		691-1162	703-1182	654-1101	545-649	509-605		473-562	
		64	697-1173		750-1261	763-1283	710-1195	513				
		70	744-1167		800-1255	814-1277	758-1189					

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Model	Capacity(t/h)										
	Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HV870+	Maximum Feed Size(mm)	350		280	230	180	105	95		85	
	CSS	10								202-259	
		13					253	236-450		219-418	
		16					273-521	254-486		236-451	
		19				351-451	293-559	273-521		254-484	
		22			403-555	375-631	313-597	292-557		271-517	
		25	392-466		421-541	429-721	399-671	332-635	310-593	288-550	
		29	423-623		455-713	463-779	431-725	359-686	335-640	311-594	
		32	446-751		480-808	489-822	455-765	379-724	354-676	329-627	
		38	493-830		531-893	540-908	503-846	419-800	391-747	363-693	
		44	540-909		581-978	591-995	551-926	459-772	428-720	398-669	
		51	595-1001		640-1077	651-1096	606-1020	505-697	472-650	438-645	
		57	642-1080		691-1162	703-1182	654-1101	545-649	509-605	473-562	
		64	697-1173		750-1261	763-1283	710-1195	592	552	513	
		70	744-1167		800-1255	814-1277	758-1189				

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

The Capacity Table can be used as a tool for the preliminary selection of HV single-digit series single-cylinder cone crushers.The data in the table applies to the capacity under the following conditions: feed material with a bulk density of 1.6 t/m³, feed with particles smaller than the setting screened out, and open-circuit operation. Under conditions with a high content of fine particles in the feed, and closed-circuit operation, the capacity of the crusher is 15%-30% higher than that under open-circuit operation. As an important component in the production circuit, the performance of the crusher depends in part on the proper selection and operation of feeders, belts, vibrating screens, support structures, electric motors, transmission devices, bins, and other related equipment.

NOTE: The following factors can improve the capacity and performance of the crusher:

- 1.Select the correct crushing chamber for the material to be crushed.
- 2.Properly graded feed size distribution.
- 3.Feed Rate Control.
- 4.Distribute the feed evenly around the full 360° of the crushing cavity.
- 5.Ensure the discharge conveyor capacity matches the maximum throughput of the crusher.
- 6.Prescreening with proper selection of prescreen and closed-circuit screen sizes.
- 7.Apply automatic control.
- 8.Keep the crusher discharge zone unobstructed.

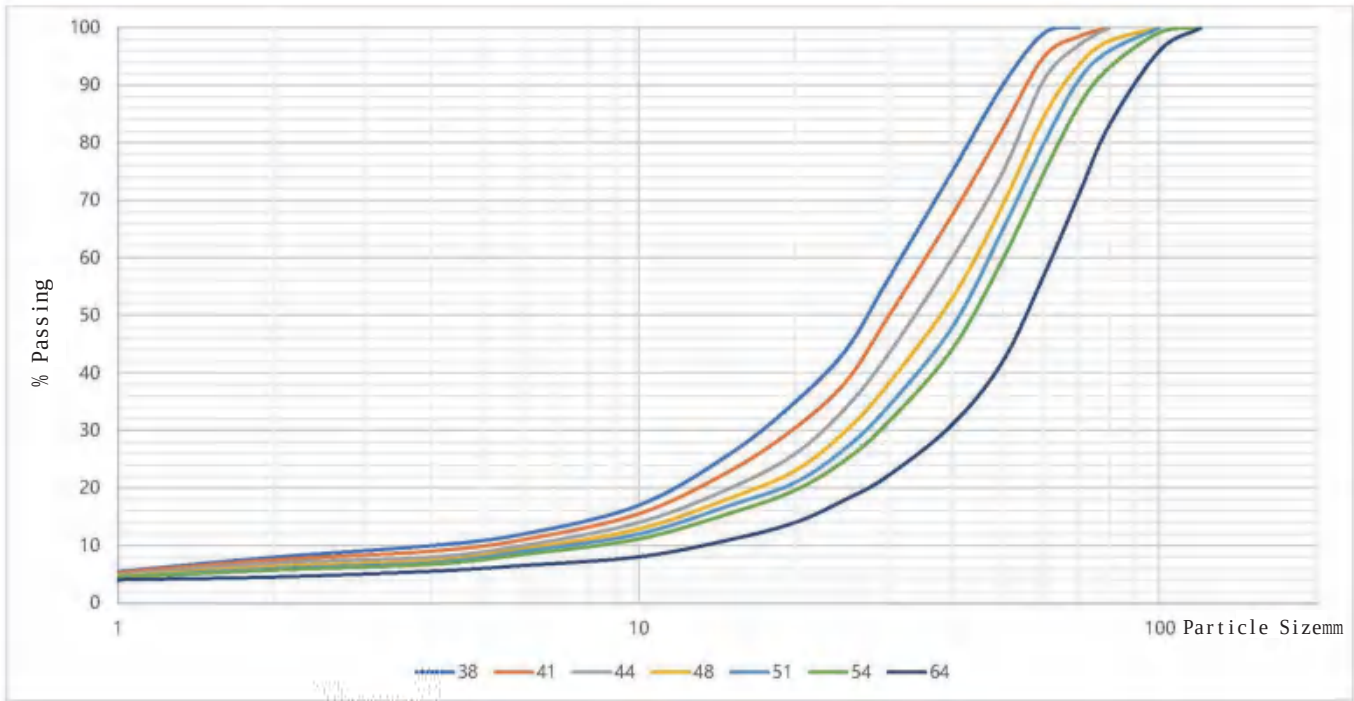
The following factors will reduce the capacity and performance of the crusher:

- 1.Sticky material present in crusher feed.
- 2.Fines in the feed that are smaller than the setting exceed 10% of the crusher throughput.
- 3.Excessive moisture content in the feed.
- 4.Feed segregation in the crushing cavity.
- 5.Uneven feed distribution around the crushing cavity.
- 6.Lack of feed control.
- 7.Underutilization of the recommended capacity.
- 8.Insufficient conveyor capacity.
- 9.Insufficient capacity of prescreening and closed-circuit screening.
- 10.Insufficiently clear crusher discharge area.
- 11.Material that is excessively hard or tough.
- 12.Crusher operating below the recommended speed.

Model	Capacity(t/h)										
	Chamber Type	EC	CX	C	MC	M	MF	F	EFX	EF	EEF
HV890	Maximum Feed Size(mm)	420		380	300	210	145	135	110	95	85
	CSS	10							268	263-306	258-279
		13							219-560	286-550	281-540
		16					371-431	366-601	314-605	308-594	303-583
		19			490	334-501	398-751	392-755	337-649	331-637	325-625
		22		504-545	524-692	356-951	426-819	419-806	360-693	354-680	347-668
		25	488-566		536-709	557-960	379-1106	453-871	446-858	383-737	369-710
		29	527-781		579-998	602-1158	410-1194	489-941	481-927	414-796	406-782
		32	556-1003		611-1177	635-1223	432-1261	516-993	508-958	437-840	429-825
		38	614-1182		676-1301	702-1351	478-1394	570-1098	562-968	483-871	474-912
		44	673-1295		740-1424	769-1480	523-1526	625-1202	615-912	529-826	519-669
		51	741-1426		815-1569	847-1630	576-1681	688-1324	678-841	582-770	572-1077
		57	800-1539		880-1693	914-1759	622-1814	742-1339	731-790	628-679	617-1014
		64	868-1670		955-1837	992-1709	675-1800	806-1259		669-885	
		70	926-1783		1019-1674	1059-1569	720-1561	860-1137		715-772	

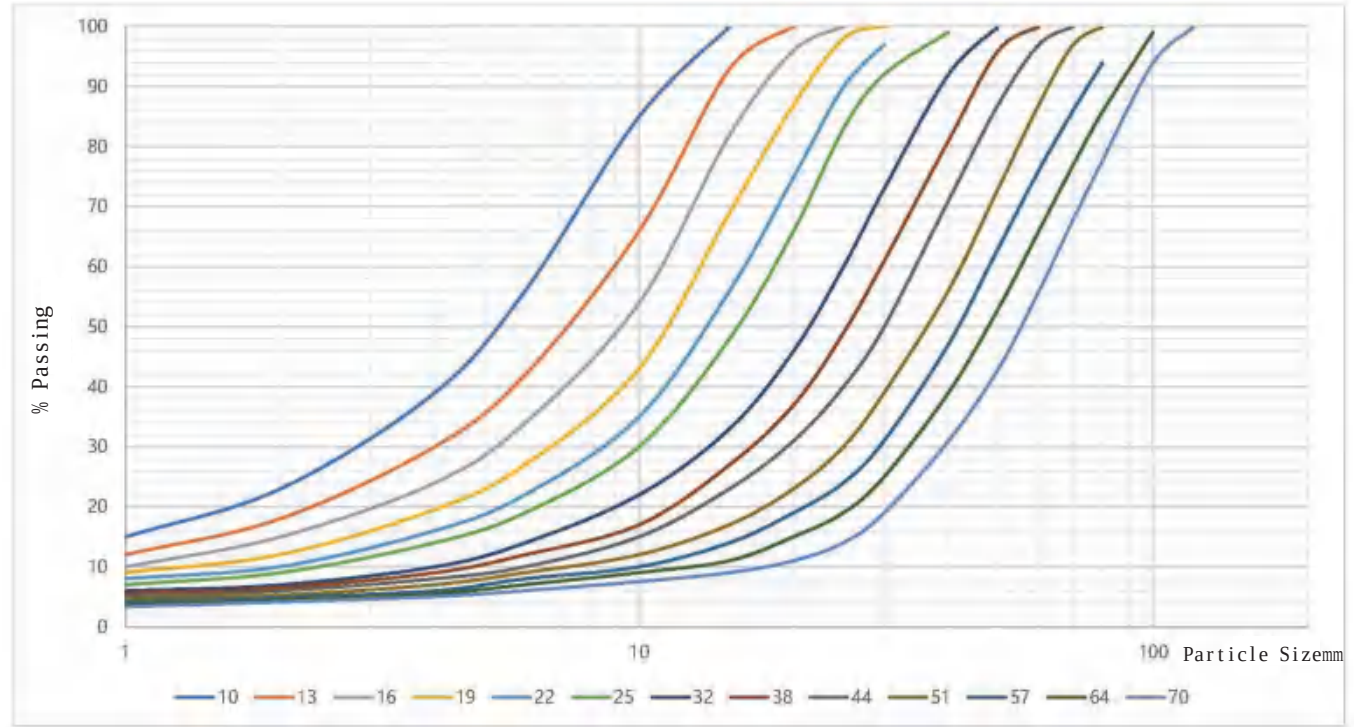
Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Particle Size Distribution of HVS Series Single-Cylinder Hydraulic Cone Crushers



Note: The particle size table serves as a preliminary selection tool for HVS single-digit series single-cylinder cone crushers. Data in the table applies to metal mines with feed hardness ≥ 16 , bulk density of $1.6t/m^3$, fines smaller than the setting screened out from feed, and particle size distribution under open-circuit operation conditions. For aggregate mines or friable-ore mines (represented by hard limestone), the particle size curve shifts left. Please consult our engineers for detailed particle size distribution.

Particle Size Distribution of HV Series Single-Cylinder Hydraulic Cone Crushers

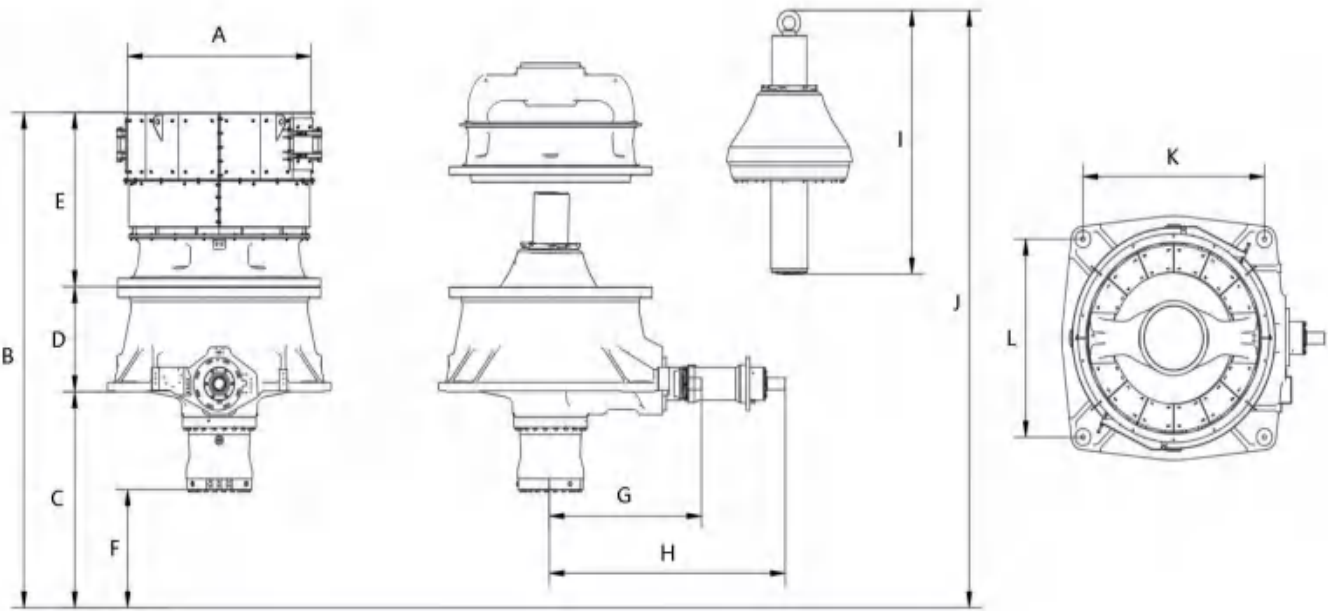


Note: The particle size table can be used as a preliminary selection tool for HV single-digit series single-cylinder cone crushers. Data in the table applies to metal mines with feed having a hardness ≥ 16 , bulk density of $1.6t/m^3$, fines smaller than the setting screened out from feed, and particle size distribution under open-circuit operation conditions. For aggregate mines or friable-ore mines (represented by hard limestone), the particle size curve shifts left. Please consult our engineers for detailed particle size distribution.

HV/HVS Series Single-Cylinder Hydraulic Cone Crusher Overall Dimensions Table

Overall Dimensions(mm)		HVS440/HV440	HVS660/HV660	HV870	HV870+	HV890
A	Hopper Outer Diameter	2150/1690	2450/1950	2450	2450	2900
B	Hopper to Maintenance Reference Plane	4075/3410	5100/4215	5475	5475	6450
C	Base Plane to Maintenance Reference Plane	1300	1600	2200	2200	2870
D	Base Plane to Upper Surface of Lower Frame	745	860	1230	1230	1190
E	Hopper to Upper Surface of Lower Frame	2030/1365	2640/1755	2045	2045	2400
F	Clearance for Hydraulic Cylinder Maintenance	450	630	1000	1000	1150
G	Crusher Center to Drive Side	1325	1500	1825	1825	1960
H	Clearance for Countershaft Box Removal	1970	2155	2850	2850	3100
I	Head Assembly Height	2475/2033	2895/2345	3095	3095	3500
J	Top of Head Assembly to Maintenance Reference Plane	4600/4000	5355/4835	6600	6600	7700
K	Foot Spacing Along Countershaft	1350	1593	2324	2324	2489
L	Foot Spacing Perpendicular to Countershaft	1880	2203	2324	2324	2489

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

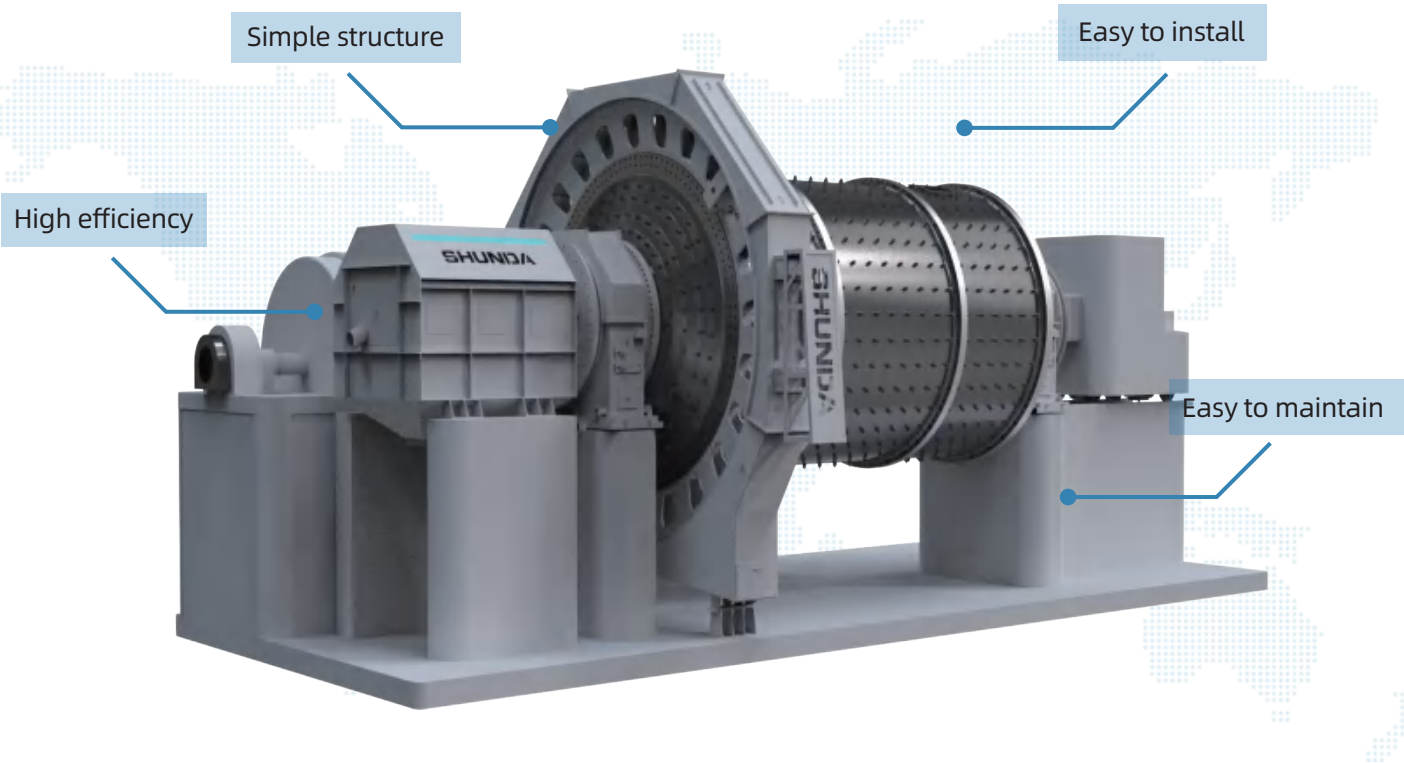


Ball Mill

As core fine-grinding equipment for materials, ball mills are widely applied in power generation, non-ferrous metal mineral processing, chemical industry, building materials and other sectors. They can efficiently grind ores, slags and other materials of a certain particle size into fine-grained finished products.

Since 2000, Shunda Mining Group has focused on technological innovation and industrial development of ball mills. With years of technical accumulation, it has developed a complete series of large-scale ball mills with fully independent intellectual property rights, covering diameters from 2.1m to 6m. Their performance and specifications fully meet large-scale grinding requirements across various industries. For this series, feed particle size is generally controlled below 15mm-20mm, and the ground product fineness can reach 200-400 mesh after precise grinding, satisfying strict fineness requirements of downstream processes.

Ball mills developed by Shunda Mining feature advanced, scientific and rational design. With a simple and intuitive operation interface, they enable convenient and efficient adjustment and maintenance, ensuring long-term reliable, stable, economical and high-efficiency operation. Equipped with an advanced overload protection system and intelligent functions for automatic monitoring and predictive fault diagnosis, they effectively reduce operation and maintenance risks. The built-in slag discharge screen automatically removes large lumps and broken steel balls generated during grinding, protecting subsequent production equipment from damage at the source. In addition, Shunda Mining provides customized ball mill design services tailored to clients' personalized process requirements, helping clients maximize production efficiency.



Wet Grate Discharge Ball Mill Series Performance Parameters

Model	Shell Diameter (mm)	Effective Shell Length(mm)	Effective Volume (m³)	Shell Operating Speed(r/min)	Maximum Ball Charge(t)	Motor Power(kW)
MQS2736	2700	3600	19	20.5	39	400
MQS3245	3200	4500	33	18.4	65	800
MQS3645	3600	4500	43	17.3	75	1250
MQS3660	3600	6000	55	17.3	102	1600
MQS4568	4500	6800	99	15.3	186	2600
MQS4866	4800	6600	107	15	200	3000

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

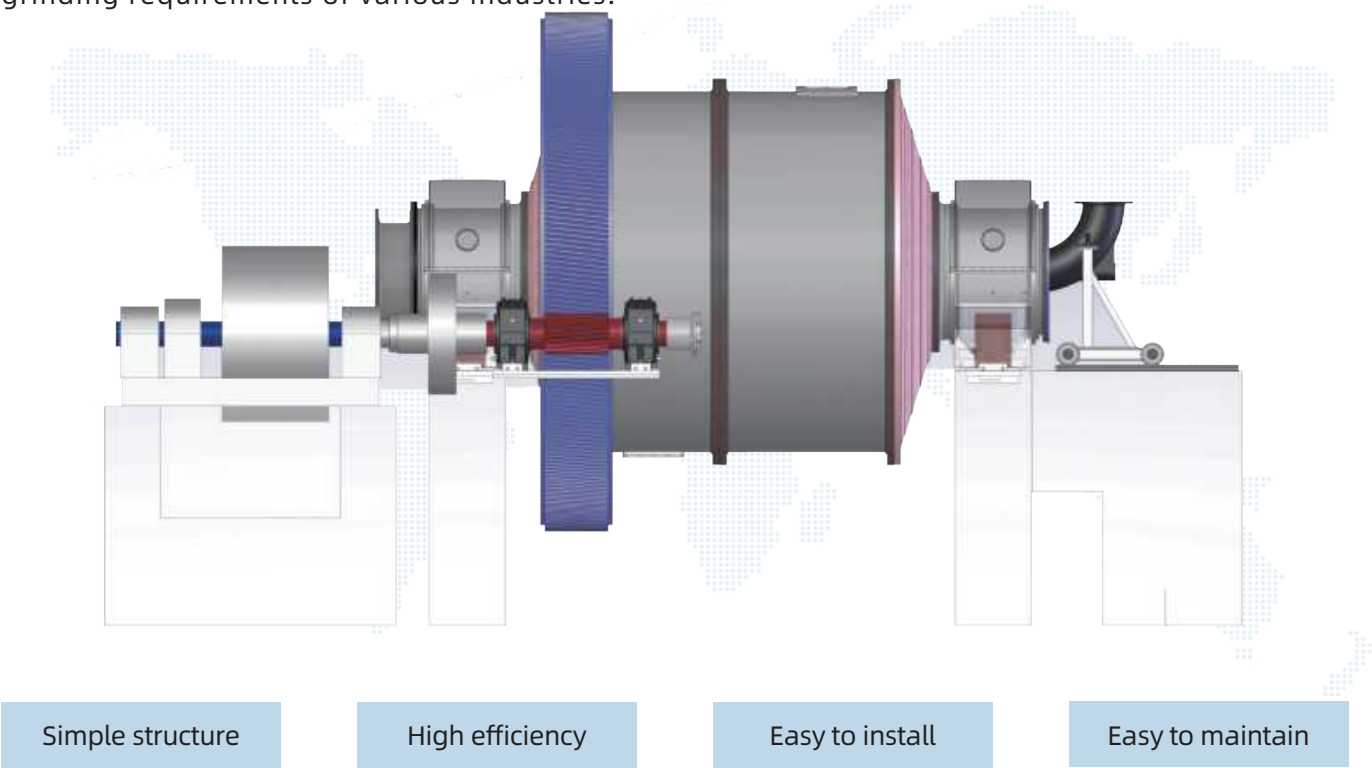
Overflow Ball Mill Series Performance Parameters

Model	Shell Diameter (mm)	Effective Shell Length(mm)	Effective Volume (m³)	Shell Operating Speed(r/min)	Maximum Ball Charge(t)	Motor Power (kW)
MQY2745	2700	4500	23	20.5	43	450
MQY3245	3200	4500	33	18.4	61	630
MQY3260	3200	6000	43	18.4	75	1000
MQY3660	3600	6000	55	17.2	102	1250
MQY4060	4000	6000	67	16.8	115	1500
MQY4080	4000	8000	92	16.8	153	2000
MQY4564	4500	6400	94	15.3	157	2100
MQY4575	4500	7500	109	15.3	183	2500
MQY5083	5030	8300	151	14.4	257	3600
MQY5585	5500	8500	185	13.7	300	4500
MQY6095	6000	9500	268	13.2	398	6000

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

SAG Mill

Semi-autogenous grinding(SAG) mills are core equipment for coarse and medium grinding of materials in mining, metallurgy, building materials and other industries. They are especially suitable for large-scale grinding processes in large mineral processing plants, efficiently handling ore feedstock with particle sizes ranging from tens of millimeters to over one hundred millimeters, and providing uniformly sized materials for subsequent mineral processing or deep processing procedures. Since 2000, Shunda Mining Group has focused on technological innovation and industrial development of SAG mills. With years of technical accumulation, it has developed a series of large-scale SAG mills with fully independent intellectual property rights, covering diameters from 4m to 8.8m. Their performance and specifications fully meet large-scale grinding requirements of various industries.



SAG mills can directly process large ore lumps with a feed size up to 300mm, reducing the load on upstream crushing stages. They are particularly suitable for high hardness and highly abrasive ores, delivering excellent performance in large-scale grinding applications of metal mines including copper and gold mines. Adopting a modular design, the mill enables easy replacement and maintenance of key components such as shell liners and transmission assemblies. Meanwhile, optimized liner profiles lower steel ball consumption and liner wear rate during operation, effectively reducing spare part replacement frequency and operation & maintenance costs.

SAG Mills (Coarse Grinding) are available in the following sizes: ϕ 4m series, ϕ 5m series, ϕ 5.5m series, ϕ 6m series, ϕ 6.4m series, ϕ 7.5m series, ϕ 8m series and ϕ 8.8m series.

Furthermore, Shunda Mining offers tailored SAG mill design solutions to meet clients’ specific process needs, maximizing overall production performance.

Semi-Autogenous Mill Parameters

Model	Shell Diameter (mm)	Effective Shell Length(mm)	Effective Volume (m³)	Shell Operating Speed(r/min)	Maximum Ball Charge(t)	Motor Power (kW)
MZS4014	4000	1400	16	17	11	400
MZS5518	5500	1800	39	13.7	34	800
MZS6030	6000	3000	78	13.2	63	1300
MZS6433	6400	3300	99	13.2	80	2000
MZS8848	8800	4800	273	10.8	219	6500

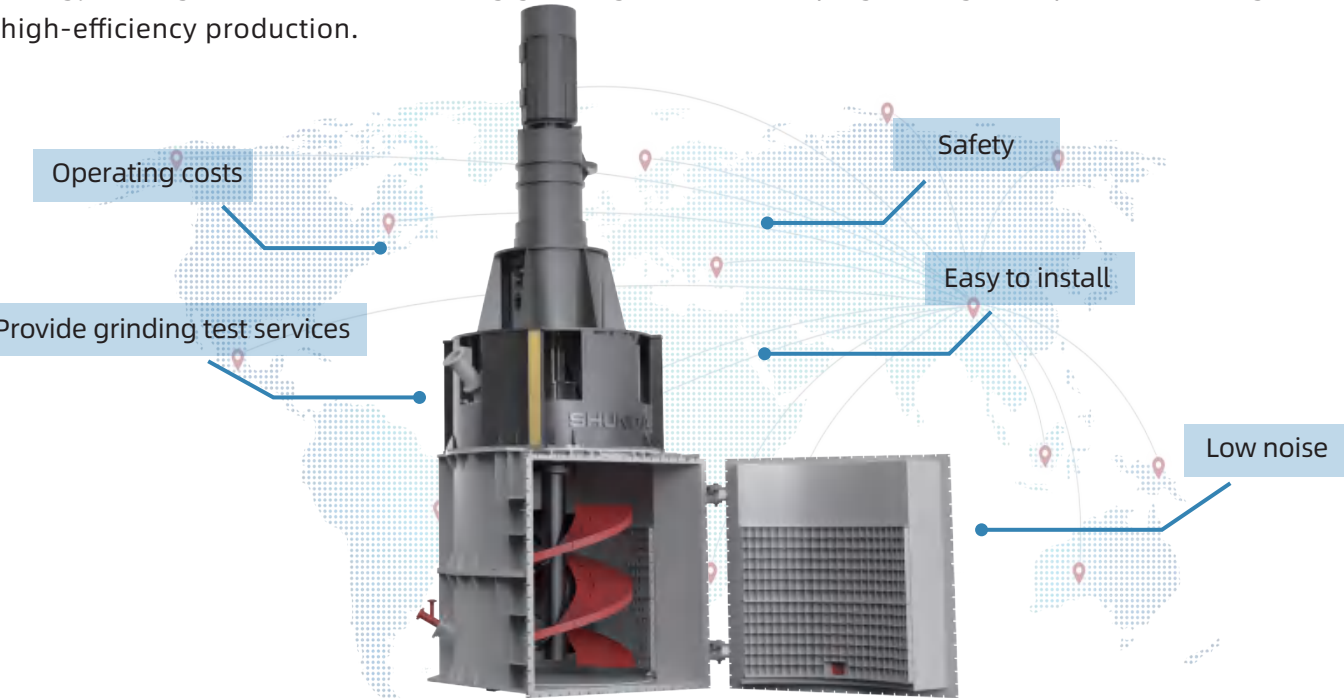
Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

SDTM Tower Mill

Tower mills are vertical high-efficiency grinding equipment, featuring a unique vertical-structure and spiral agitation working principle, they achieve fine and ultra-fine grinding through strong extrusion, grinding and internal classification between grinding media and materials, widely applicable to secondary grinding, tertiary grinding and re-grinding processes in mining operations.

Integrating advanced domestic and international technologies and experience, Shunda Mining Group designs and manufactures the SDTM series tower mills suitable for the above-mentioned multi-purpose grinding applications. Compared with secondary ball mills, they deliver energy savings of over 25%. When used in tertiary grinding and re-grinding, energy-saving efficiency can reach 40%, with product fineness below 15μm.

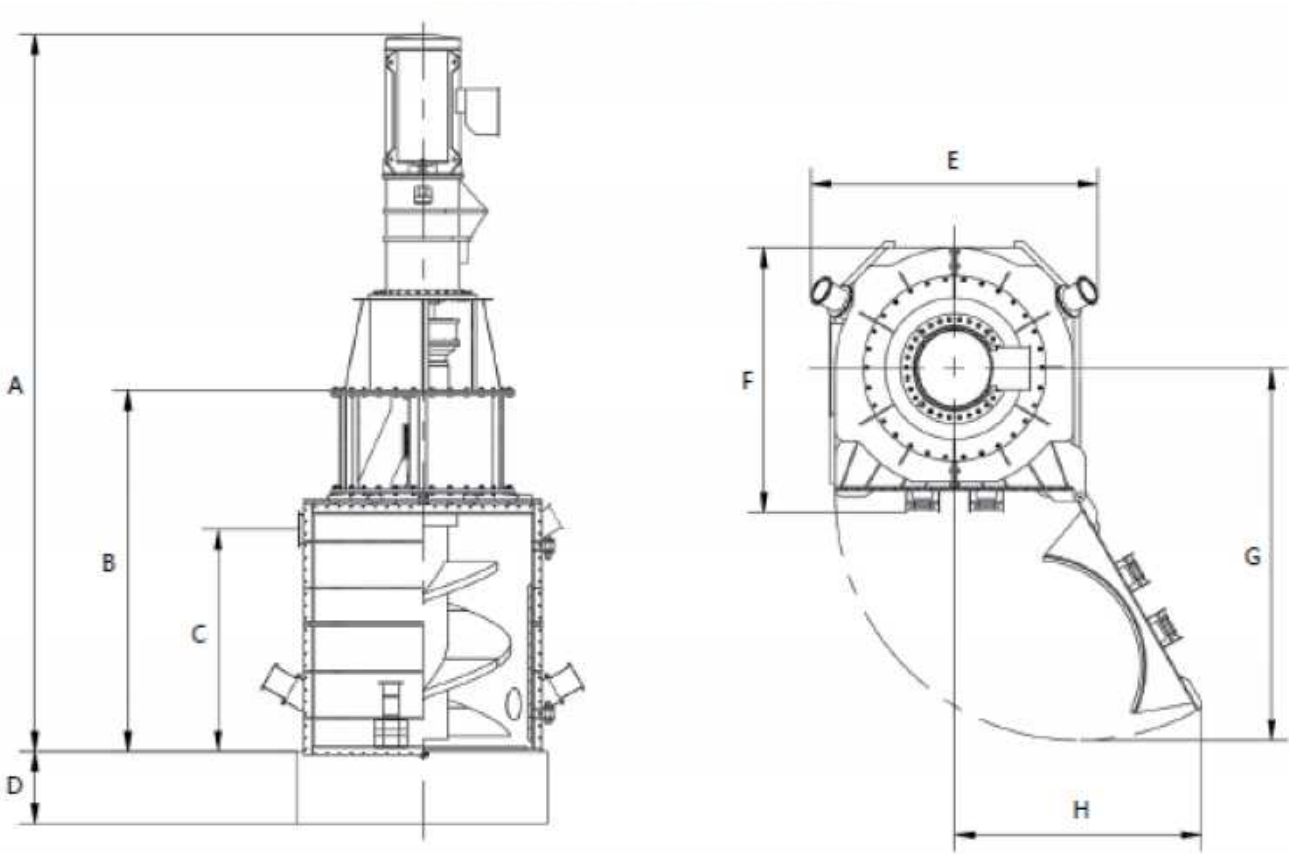
Through dual optimization of structure and parameters, Shunda Mining’s SDTM series tower mills greatly reduce steel ball consumption and significantly extend liner service life. They provide mining customers with energy-saving and emission-reducing grinding solutions, helping mining enterprises achieve green and high-efficiency production.



Technical Parameters of SDTM Series Tower Mills

Sand Making Machine Model	SDTM200	SDTM500	SDTM750	SDTM1000	SDTM1250	SDTM1500
Installed Power	160kW-250kW	300kW-450kW	560kW-630kW	750kW-850kW	900kW-1120kW	1200kW-1300kW
Shell Volume	10. 1m³	17. 5m³	26. 6m³	36. 9m³	45. 9m³	65. 1m³
Media Charge	19.7t – 22.7t	38t – 44t	49.6t – 54.3t	67.2t – 75t	85t – 91.8t	127t – 136.8t
Capacity	6-14tph	13-33tph	19-47tph	29-71tph	36-90tph	46-113tph

Note: Mill capacity is based on fresh feed particle size F80 = 75-125 μm, final product size P80 = 20-30 μm, and standard Bond Work Index Bwi = 16-19kW · h/t.



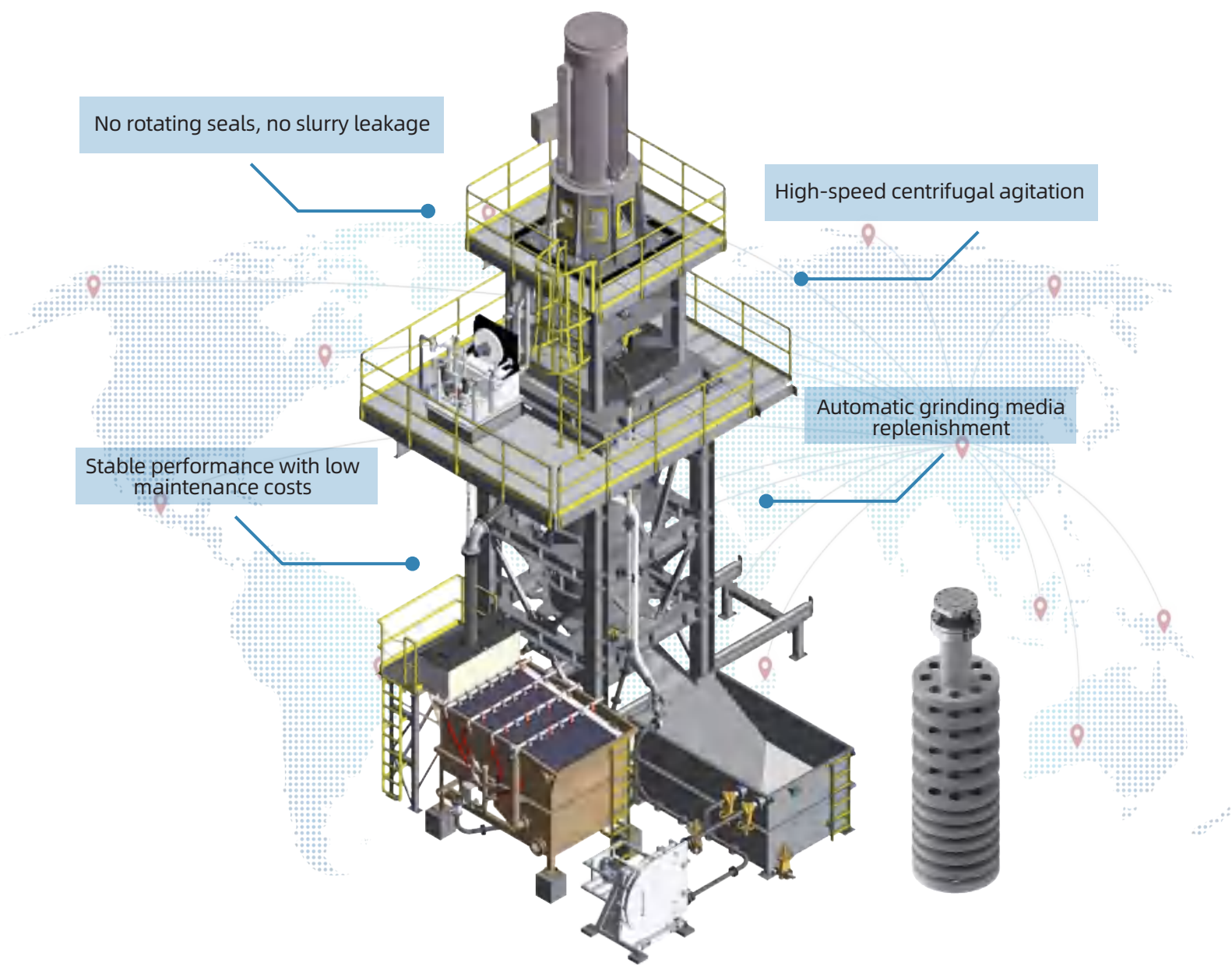
Overall Dimensions of SDTM Series Tower Mills

Overall Dimensions(mm)		SDTM200	SDTM500	SDTM750	SDTM1000	SDTM1250	SDTM1500
A	Foundation to Motor	9100	10038	12248	13440	13982	14170
B	Foundation to Oil Station Platform	5505	5560	7010	7125	7220	7165
C	Foundation to Overflow Outlet	4145	4335	5040	5140	5240	5185
D	Minimum Foundation Height	1050	1050	1500	1525	1525	1575
E	Maximum Length	2365	3173	3560	3800	4311	5484
F	Maximum Width	2915	3085	3476	4172	4794	4840
G	Maintenance Access Clearance 1	3225	4070	4695	5465	5990	7025
H	Maintenance Access Clearance 2	2297	2876	3279	3885	4234	4964

Note: The above parameters are for reference only, actual capacity is subject to material type and operating conditions.

Disc Mill

Disc mills achieve grinding and particle refinement through high-speed agitation. Under the high-speed stirring of the disc agitator, the media balls and slurry inside the shell are subjected to centrifugal force and friction from the stirring disc. Friction and shear forces occur between media balls and between media balls and the disc, causing ore particles to deform, fracture and be pulverized under momentum and impulse, thus reaching the target fineness. The maximum feed size is 0.5mm, and the minimum discharge size can be as fine as 5μm.



Unlike the horizontally-installed IsaMill, the disc mill adopts a vertical configuration with bottom feed and overflow discharge. Compared with IsaMill, it occupies a smaller footprint. Featuring overflow operation, it has no rotating seals and eliminates the risk of slurry leakage. Since slurry does not come into contact with bearings, wear is minimized, resulting in a more stable mechanical structure and lower maintenance costs. With no metallic surfaces inside the grinding chamber, it is suitable for ultra-fine grinding of precious and rare metals.

Product Technical Features:

- 1.Ceramic ball media.

2Automatic grinding media replenishment.

3.High-speed centrifugal stirring.

4.Bottom feed with overflow discharge.

5.Product particle size: 5 μm - 20 μm.
- 6.No rotating seals, no leakage.

7.Vertical installation.

8.Stable operation with low maintenance costs.

9.Suitable for precious and rare metals.

10.No metal inside chamber.

Parameter Table for Disc Mills

Model	Shell Volume(L)	Main Motor Power(kW)	Capacity(tph)
SDDM100	110	110	4-7
SDDM250	290	132	6-12
SDDM500	480	225	10-20
SDDM1000	910	355	15-35
SDDM2500	2425	700	30-70
SDDM5000	5026	1500	80-180

Note: The above parameters are for reference only,actual capacity is subject to material type and operating conditions.

Full-Lifecycle Services for Metal Mine Core Equipment



We Provide

Full-lifecycle Services for Core Equipment of Large-Scale Metal Mines

Purposes of Full-Lifecycle Services for Core Equipment of Large-Scale Metal Mines:

- (1) To ensure equipment reliability and stable performance throughout its entire service lifecycle.
- (2) To extend service life through proper preventive maintenance, timely monitoring and retrofitting.
- (3) Shunda Mining regularly dispatches after-sales technical experts to conduct equipment condition monitoring and maintenance, supply spare parts, and assist in the replacement or overhaul of complex components.

Quality Assurance and Maintenance

Once you become a user of Shunda Mining products, we will provide a quality assurance system exceeding industry standards and fulfill regular inspection and maintenance contracts. We also offer a comprehensive maintenance management system that monitors equipment operating parameters via online electronic condition-monitoring devices. Shunda Mining's remote maintenance management system can promptly identify abnormal operation and improper handling of equipment, so as to reduce losses caused by unplanned downtime and unnecessary breakdown maintenance.



Spare Parts Supply

Shunda Mining has established spare parts warehouses in Guangdong, Sichuan, Shanxi, Hebei and other regions. With strong inventory capacity, manufacturing capability and proven high-quality services for long-term customers, we are capable of delivering components to any site where Shunda equipment is in operation, keeping your equipment and production lines in good working condition.



Upgrading, Retrofit and Key Component Replacement

Shunda Mining owns a provincial-level technology center, supported by dozens of experts for its core metal-mine equipment. We take all feasible measures to align your equipment and processes with modern technologies and meet your productivity requirements.

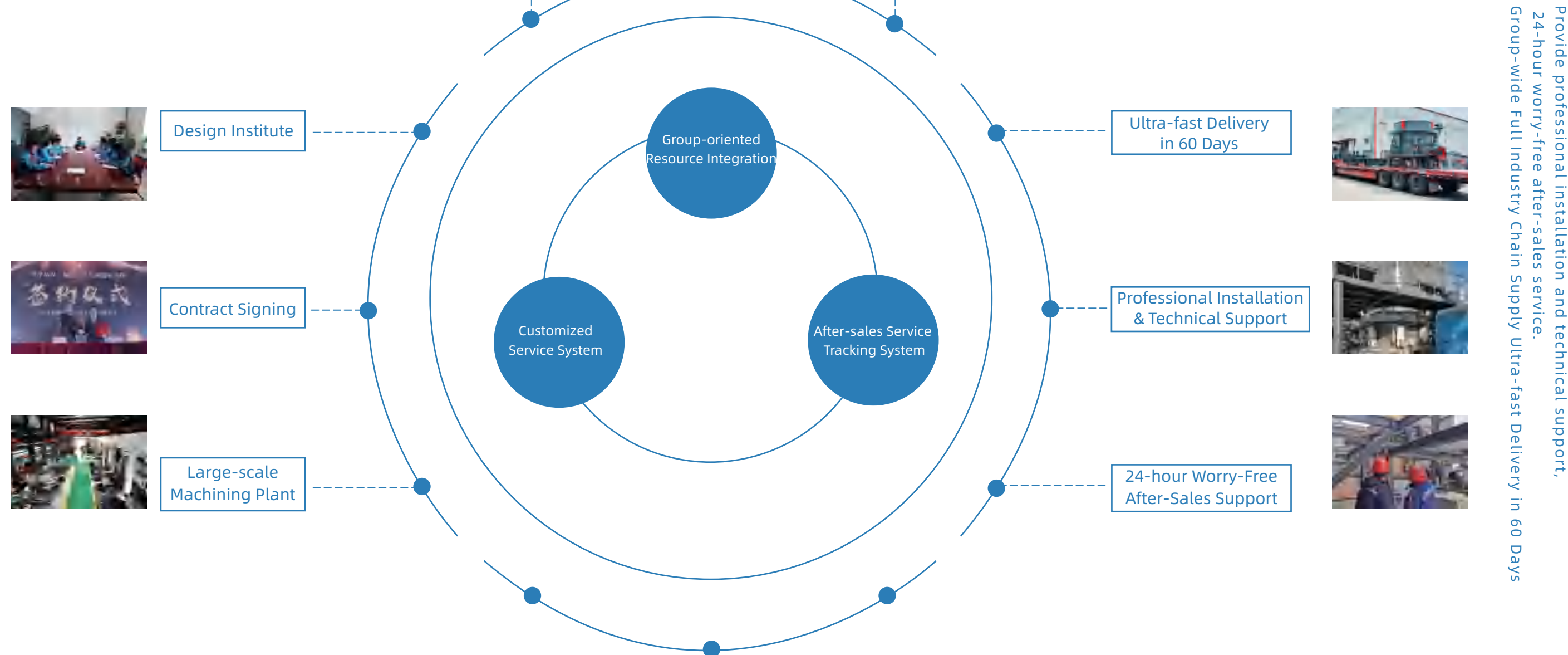


New Equipment Replacement

At the end of an equipment lifecycle, Shunda Mining can provide solutions for replacing old equipment or machine components with new ones, adopting new technologies to save energy, reduce consumption and improve production added value.

Group Service Process

Equipped with a large-scale casting plant, a new-type motor factory, a 5G-enabled intelligent production base, as well as large-scale assembly and warehousing support facilities



Provide customers with production assurance for products
Listen to customer needs, conduct on-site inspections, and deliver customized solutions

Provide professional installation and technical support,
24-hour worry-free after-sales service.
Group-wide Full Industry Chain Supply Ultra-fast Delivery in 60 Days

Project References

Yichun CATL New Energy Mining Project Site
Equipment Configuration: 3 units of SDG5475
Hydraulic Gyratory Crushing Stations
Commissioned Year: 2023



Project References

Chengde Jingcheng Mining Iron Ore Project
Ore Type: Iron Ore
Processing Capacity: 5000 t/h
Equipment Configuration: SD6393 Hydraulic Gyratory
Crusher
H1100 Multi-cylinder Hydraulic Cone Crusher
Commissioned Year: 2020



Project References

Ansteel Group Mining Iron Ore Project
Ore Type: Iron Ore
Processing Capacity: 1500 t/h
Equipment Configuration: PX Z1216 Hydraulic
Gyratory Crusher
Commissioned Year: 2014



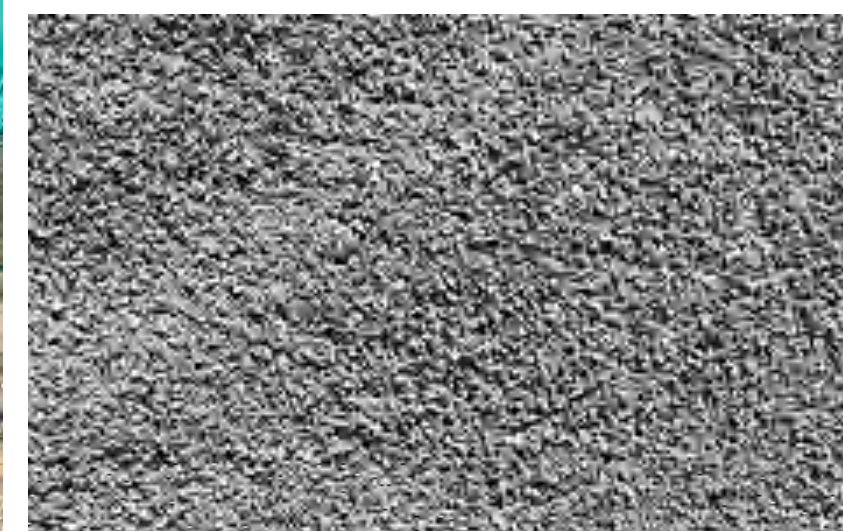
Project References

Benxi Yuhang Mining Iron Ore Project
Ore Type: Iron Ore
Processing Capacity: 3500 t/h
Equipment Configuration: SD5988 Hydraulic Gyratory Crusher
H900 Multi-cylinder Hydraulic Cone Crusher
Commissioned Year: 2017



Project References

Shanxi Dai County Shuangli Concentrator Iron Ore Project
Ore Type: Iron Ore
Processing Capacity: 1500 t/h
Equipment Configuration: PXZ1216 Hydraulic Gyratory
Crusher
7-foot Cone Crusher
HC500 High-energy Cone Crusher
Commissioned Year: 2016



Project References

Large-scale Iron Ore Project Site, Shanxi
Ore Type: Iron Ore
Processing Capacity: 350 t/h
Equipment Configuration: 2 units of 4080 Overflow Ball Mills
Commissioned Year: 2022



Enterprise Honors



The company has obtained certifications of ISO 9001 Quality Management System and ISO 14001 Environmental Management System, Alibaba DV Certification, and has been rated as an AAA-level Creditworthy Enterprise. The crushers manufactured by the company have won titles including "Top Ten Famous Brands in China's Crusher Industry", "China's Most Influential Brand Enterprise" and other honors.

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13th Five Year Plan Contribution Award
for Chinese Brand Influence Development

2020 Excellent Quality Award for
China Crusher Brand Influence