

Allis Saga Crushing and Screening

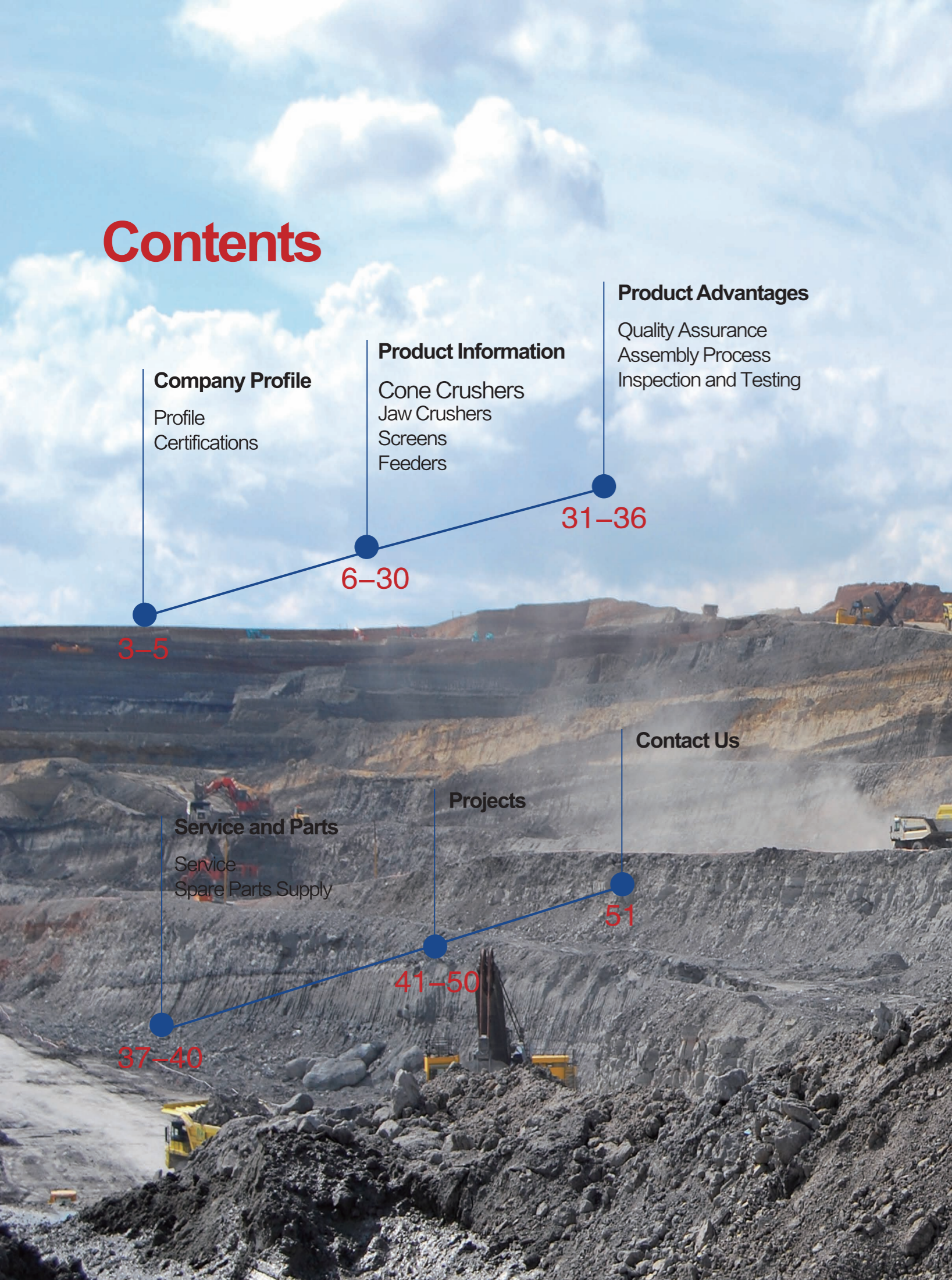
Mining and Construction Process & Equipment Solutions Expert



Allis Saga Mining and Construction Co., Ltd.



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Company Profile

Allis Saga Mining and Construction Co., Ltd. is a high-tech company specializing in R&D, design, manufacture, sales and service of world class crushing and screening equipment for Mining and Construction industries. The team are all industry experts in the core business of Allis Saga, crushing and screening, with experience coming from a 100 year long pedigree of R&D, manufacturing technique, applications knowledge and global management.

Allis Saga sticks to the core values of "customer focused, quality first, continuous innovation and user friendly". We focus on research, development and application of advanced technology, adopting international standards in production and assembly, assuring the quality control needed to produce world class products and systems. Under the strong foundation of on-site practical experiences on various applications at domestic and international markets and rich knowledge on the process of crushing and screening equipment together with advanced design concept and automatic control technology, Allis Saga designed and manufactured the full range of primary, secondary and tertiary crushing equipment and supporting screens and feeders which have greatly improved the energy consumption, safety performance and automation level for all mining and construction equipment and processing system by also taking advantage of advanced simulation design and experiment methods by utilizing advanced new material and technology.

According to actual engineering scale and needs, we offer customized and professional crushing solutions including equipment selection and process configuration to meet the different needs of customers, which also helps to improve production output, reduce operating costs, increase efficiency and achieve the best result that will add the biggest value in customers' business. Based on the serving concept of customer focused and long term site experience in crushing and screening processes, Allis Saga could offer customers with the highest service level and the most professional maintenance and repair services.



Certifications

Superior
Quality



Heavy-duty
Crusher



Excellent
Service



Professional
Preferred



MH/MS Cone Crushers

Allis Saga MH/MS series cone crushers suit primarily for medium, fine and extra fine crushing operations in mining, construction, engineering and industrial areas. MH/MS cone crushers are designed to crush and process from relatively more easily crushed limestone to extremely difficultly crushed taconite, producing relatively coarse products like railway ballast to very fine graded manufactured sand. From fixed and complicated crushing to mobile crushing stations, MH/MS cone crushers could be able to perform at its optimum designed capacity, reduction and efficiency.

MH/MS single cylinder hydraulic cone crushers have the advantages of simple but rigid structure for highly reliable and highly efficient operation, with highly automatic control and producing superior shaped products and most important achieving the lowest operating costs per tonne. MH/MS series cone crushers suit various different crushing conditions and well known in the market for ease of maintenance and operation.

Performance Features

Superior Reliability:

Allis Saga MH/MS cone crushers are much more reliable than other similar products. By continuously optimization and innovation, we focus on improving product structure, upgrading raw material and optimizing assembly process. With all the advantages and advances automatic control system, which is independently developed by Allis Saga, we guarantee the reliability of our equipment.

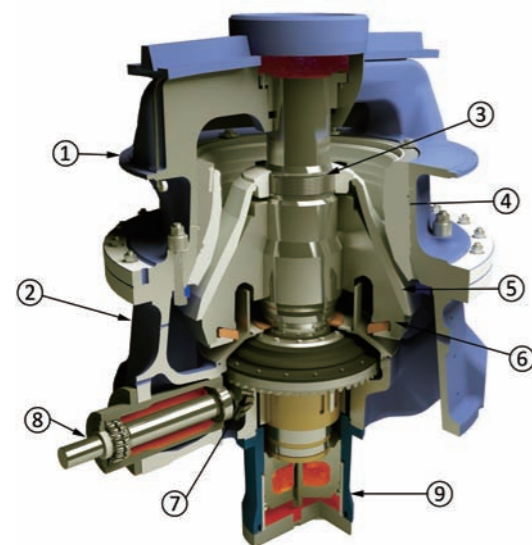
Excellent Versatility:

Allis Saga MH/MS cone crushers have a wide field of application. They are suitable for various crushing process such as medium crushing, fine crushing and extra-fine crushing in mining, engineering and industrial areas. Customers can easily deal with different production needs by flexible choices of the crushing chamber and eccentric throw.

Easy to Handle and Maintain:

The automatic control system facilitate the operator to keep abreast of crusher operating parameters and adjust at any time. Customers can make changing plan of the liners according to the parameters to minimize downtime and cost.

The dust sealing system and the strict sealing structure of the crusher minimize the equipment damage from dust and other fine particles, in other words, increase the life of crusher and reduce maintain cost. Optimal design of the hydraulic station and other parts make the operation and maintain much more easy, convenient and safe.



- | | | |
|---------------|--------------|-------------------------|
| 1 Topshell | 4 Concave | 7 Pinion and Bevel Gear |
| 2 Bottomshell | 5 Mantle | 8 Pinionshaft |
| 3 Mainshaft | 6 Headcentre | 9 Hydroset Cylinder |



MH800



MH600



MH400



MH300



MH200



CIS

Crusher Intelligent System

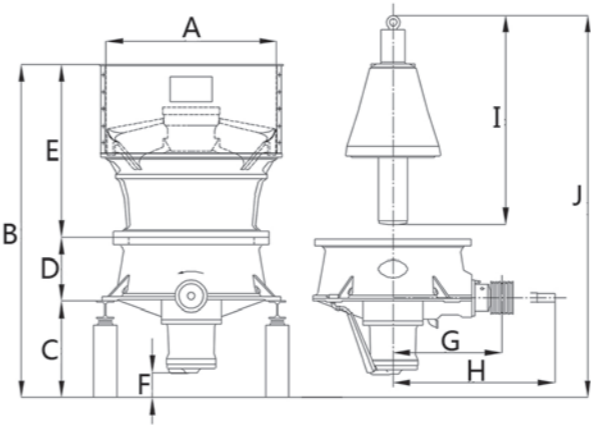
CIS is independently developed by Allis Saga. The system works on Windows platform which has greatly increased the reliability, compatibility and user-friendly function. Data sharing and remote control of the crusher operation are much more easier and reliable.

The main operation parameters of the crusher, such as crushing pressure, operation power and CSS, are online display and easy to adjust. Almost all parameters of lubrication station, hydraulic station and electrical system which are related to crusher operation, could be set, checked and adjusted through CIS system to ensure the crushers always in high efficiency, safe and controllable state. Thanks to the strong memory traceability of CIS system, customers can trace the operation history and record to ensure safe and stable operation of the crushing system and to ensure that all maintenance could be scheduled on time.

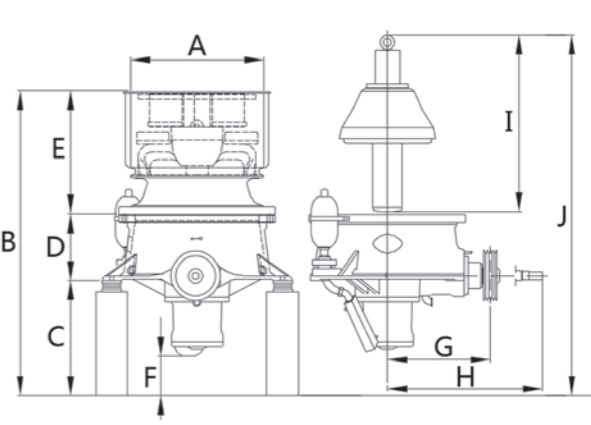


Data and Dimensions

Dim.(mm)	MS200	MS300	MS400	MS600	MH200	MH300	MH400	MH600	MH800	MH900
A	Φ1285	Φ1635	Φ2000	Φ2800	Φ1078	Φ1365	Φ1545	Φ2104	Φ2450	Φ2950
B	2905	3495	4095	5105	2565	2995	3415	4225	5475	6450
C	1025	1130	1305	1600	1025	1135	1305	1605	2205	2870
D	542	657	748	865	545	665	755	865	1230	1190
E	1345	1710	2040	2645	1000	1215	1375	1765	2045	2400
F	402	423	453	632	400	422	452	631	999	1150
G	843	1061	1280	1497	843	1062	1283	1505	1830	1960
H	1270	1710	1900	2160	1270	1705	1900	2166	2850	3100
I	1703	2050	2420	2895	1425	1688	1985	2344	3095	3600
J	3600	4250	4930	5355	3000	3580	4150	4855	6620	7700
Heaviest Lift(kg)	2,300	5,100	8,100	16,500	1,600	2,900	4,700	7,800	14,500	22300
Total weight(kg)	6,850	12,100	19,500	36,500	5,500	9,500	15,000	25,200	50,000	77000



MS Series



MH Series



MS Cone Crushers Nominal Capacity in t/hr

Model (Motor Power)	Chamber	Max Feed Size (mm)	Nominal Capacity in t/hr											
			CSS (mm)											
MS200 (90kW)			19	22	25	29	32	35	38					
	EC	240		85	115	158	168	143						
	C	200	70	95	128	112								
MS300 (160kW)				22	25	29	32	35	38	41	44			
	EC	360			126	173	230	293	310	327	344			
	C	300		108	145	199	254	270	285	301				
MS400 (250kW)						29	32	35	38	41	44	48		
	EC	450						267	353	446	563	601		
	C	400				225	299	381	484	511				
MS600 (315kW)			38	41	44	48	51	54	60	64	70			
	EC	560		349	460	588	718	856	929	978	1050			
	C	500	318	420	618	753	788	823	892					

Data in the table just indicates the approximate performance of the crushers. They are based on the open circuit crushing of dry material with a bulk density of 1.6t/m³ and it is assumed that the maximum feed size does not exceed the permissible value of the crusher and the minimum feed size is bigger than the crusher's closed side setting. The chosen eccentric throw, degree of reduction, the material's crushability, the size analysis of the feed, the design of recrushing circuit and the moisture content of the feed all affect the performance of the crushers.

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

- Choose appropriate crushing chamber according to the feed
- Appropriate feed size ratio
- Control feeding amount
- Uniform feeding distribution
- Specification of the discharge conveyor matches the maximum capacity of the crushers
- Appropriate screen specification of prescreening and closed-circuit screening
- Automatic control device
- Unobstructed discharge area

The following factors can reduce the production capacity and performance of the crushers:

- A certain proportion of viscous material in the feed
- Fine grade of the feed size exceeds the capacity of the crushers
- High moisture content of the feed
- Feeding amount is too small or the feed is unstable
- Feeding distribution is not uniform
- The crusher can not achieve full feeding due to the lack of feeding control
- Insufficient screening capacity of prescreening and closed-circuit screening
- Obstructed discharge area
- The material's crushability is too high

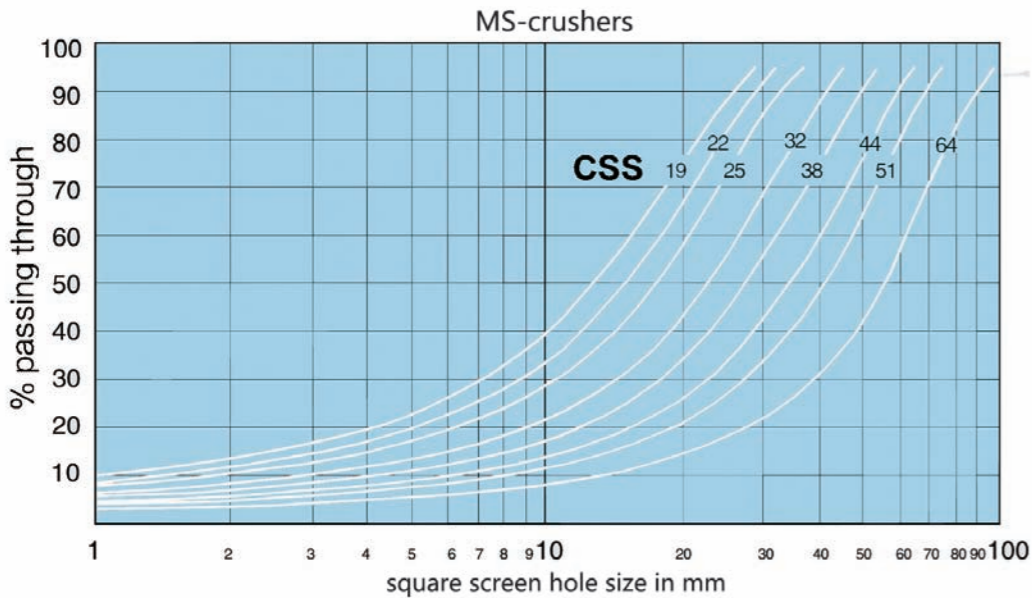
MH Cone Crushers Nominal Capacity in t/hr

Model (Motor Power)	Chamber	Max Feed Size (mm)	Nominal Capacity in t/hr												
			CSS (mm)												
MH200 (90kW)			6	8	10	13	16	19	22	25	29				
	EC	135			48	86	92	101	106	112	123				
	C	90			54	89	95	104	110	117					
	M	65		42	74	79									
	MF	50	37	67	73										
	F	38	50	53	58										
MH300 (160kW)			6	8	10	13	16	19	22	25	29	32			
	EC	185				108	149	159	171	181	195	208			
	C	145				133	143	152	164	174	187	199			
	MC	115			56	141	151	161	174	184					
	M	90			82	131	141	150	162						
	MF	75		62	106	117	125								
	F	50	79	83	87	97	103								
MH400 (250kW)			8	10	13	16	19	22	25	29	32	38			
	EC	215				200	275	292	313	337	355	395			
	C	175			101	220	293	312	334	360	378				
	MC	140			121	263	285	300	321	346	327				
	M	110			185	278	297	316	339						
	MF	85		115	227	247	264	281	301						
	F	70	136	176	190	207	221	235	252						
MH600 (315kW)			13	16	19	22	25	29	32	38	44				
	EC	275			336	436	463	499	547	604	660				
	C	215			367	482	511	551	584	644					
	MC	175		253	425	456	485	525	553						
	M	135		294	438	470	499	538							
	MF	115	194	370	396	425	451	486							
	F	85	305	328	351	377	400	431							
MH800 (600kW)			13	16	19	22	25	29	32	38	44	51	57	64	
	EC	350				590	850	968	1072	1173	1291	1395	1513		
	C	240			405	637	893	1017	1126	1232	1356	1465	1461		
	MC	195			438	723	837	953	1056	1155	1270	1373			
	M	155			563	788	837	953	1056	1155	1271	1374			
	MF	100		424	715	766	214	927	943						
	F	90	395	655	702	751	799	910							
MH900 (750kW)			13	16	19	22	25	29	32	38	44	51	57	64	70
	EC	370					630	994	1453	1590	1728	1889	2027	2187	2288
	C	330				541	918	1361	1548	1696	1844	2017	2164	2300	
	MC	260			516	872	1376	1475	1548	1696	1844	2017	2164		
	M	195			645	1095	1250	1338	1405	1538	1670	1825	1958		
	MF	130		489	834	1065	1124	1202	1261	1379	1496	1634	1751		
	F*	120	433	813	982	1039	1096	1172	1229	1309	1195	971	769		

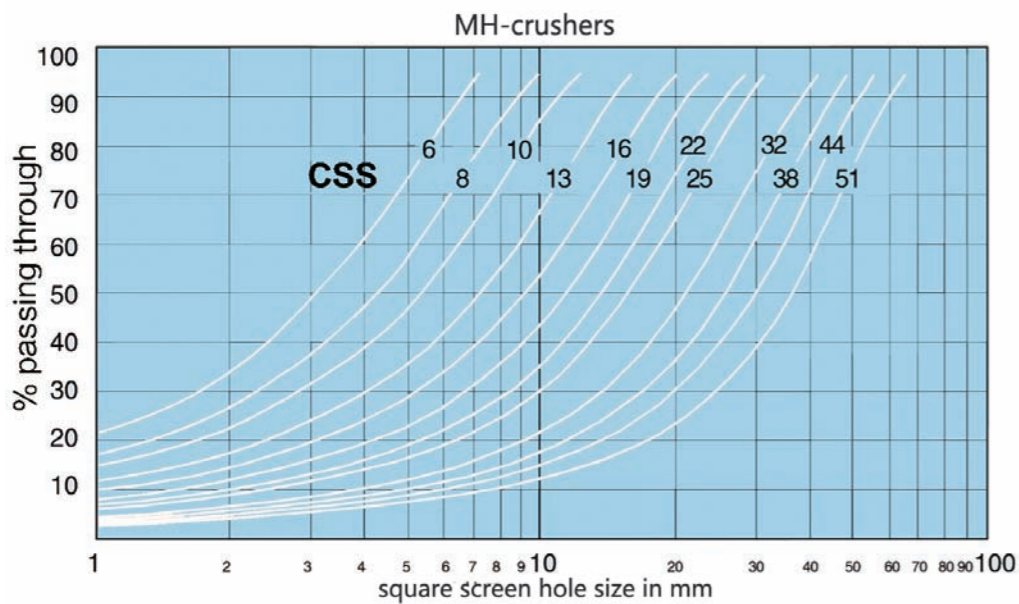
Standard crushing chambers available:

EF=Extra Fine F=Fine MF=Medium Fine M=Medium MC=Medium Coarse C=Coarse EC=Extra Coarse

MS Cone Crushers Product Curves



MH Cone Crushers Product Curves



The product curve and the percentage of the crusher product that is smaller than the closed side setting depends on the crushability of the material, the size distribution of the feed and other factors.



Allis Saga Cone Crusher MH900

The largest capacity single cylinder hydraulic cone crusher made in China

Allis Saga MH900 cone crusher is specially designed for heavy duty conditions, mainly applies to medium crushing. Installed power 750kw, capacity over 2000t/h. The product granularity can be guaranteed by adjusting the eccentricity to maximize production capacity. Intelligent control system ensures that the equipment is in optimal operation condition.



Performance Features

- Specially designed for heavy duty conditions
Service life is longer
- Installed power 750kw
Larger crusher capacity
- Larger crushing force
Better crushing performance
- Advanced over pressure system
Effectively isolate the dust to ensure the oil clean. Long service life.
- External dump valve
Increased safety and ease of maintain
- CIS intelligent control system
Automatic setting of CSS. Real-time monitoring of the operation state of the crusher, and save the record of the key data of the crusher.

Specifications

Max Motor Power KW	Application	Chambers	Max Feed Size mm	Nominal Capacity		Crusher Weight (Kg)	Total Weight (incl. Motor and Frame) Kg
				CSS Range mm	Capacity Range mtph		
750	Medium/Fine crushing	EC, C, MC, M, MF, F	370	16-70	450-2300	77000	89000



Chamber	Max Feed Size (mm)			Eccentric Throw (mm)	Nominal Capacity in t/hr CSS (mm)												
	CSS	SH	TS		13	16	19	22	25	29	32	38	44	51	57	64	70
MH900-EC	170-200	315	370	24					538	569	593	640	687	742	790	845	892
				28					603	640	667	723	778	842	897	961	1016
				32						711	742	805	868	942	1005	1078	1141
				36						782	817	888	959	1041	1112	1195	1266
				40						852	892	971	1049	1141	1220	1312	1390
				44						923	967	1053	1140	1241	1327	1428	1515
				48						994	1041	1136	1230	1341	1435	1545	1640
				52							1116	1219	1321	1440	1543	1662	1764
				56							1191	1301	1411	1540	1650	1779	1889
				60							1266	1384	1502	1640	1758	1896	2014
				64							1341	1466	1592	1739	1865	2012	2138
				68							1415	1549	1683	1839	1973	2129	2263
				70							1453	1590	1728	1889	2027	2187	2288
MH900-C	150-180	285	330	24				541	566	600	626	676	727	786	837	896	947
				28					637	676	706	765	824	893	952	1021	1080
				32					707	752	786	854	921	1000	1068	1146	1214
				36					778	828	866	942	1018	1107	1183	1271	1348
				40					848	904	947	1031	1116	1214	1299	1397	1482
				44					918	980	1027	1120	1213	1321	1414	1522	1615
				48						1056	1107	1208	1310	1428	1529	1648	1749
				52						1132	1187	1297	1407	1535	1645	1773	1883
				56						1208	1268	1386	1504	1642	1760	1898	2017
				60						1284	1348	1475	1601	1749	1876	2024	2150
				64						1361	1428	1563	1698	1856	1991	2149	2284
				68							1508	1652	1796	1963	2107	2274	
				70							1548	1696	1844	2017	2164	2300	
MH900-MC	130-160	230	260	24			516	541	566	600	626	676	727	786	837	896	947
				28				607	637	676	706	765	824	893	952	1021	1080
				32				673	707	752	786	854	921	1000	1068	1146	1214
				36				740	778	828	866	942	1018	1107	1183	1271	1348
				40				806	848	904	947	1031	1116	1214	1299	1397	1482
				44				872	918	980	1027	1120	1213	1321	1414	1522	1615
				48					989	1056	1107	1208	1310	1428	1529	1648	1749
				52					1059	1132	1187	1297	1407	1535	1645	1773	1883
				56					1130	1208	1268	1386	1504	1642	1760	1898	
				60					1200	1284	1348	1475	1601	1749	1876	2024	
				64					1270	1361	1428	1563	1698	1856	1991	2149	
				68					1341	1437	1508	1652	1796	1963	2107		
				70					1376	1475	1548	1696	1844	2017	2164		

Chamber	Max Feed Size (mm)			Eccentric Throw (mm)	Nominal Capacity in t/hr CSS (mm)												
	CSS	SH	TS		13	16	19	22	25	29	32	38	44	51	57	64	70
MH900-M		175	195	24			478	500	523	554	576	622	667	720	766	819	864
				28			533	560	586	622	648	701	755	816	870	931	985
				32			589	619	650	690	720	781	842	913	973	1044	1105
				36			645	679	713	758	792	861	929	1009	1077	1156	1225
				40				738	776	827	864	940	1016	1105	1180	1269	1345
				44				797	839	895	937	1020	1103	1201	1284	1381	1465
				48				857	902	963	1009	1100	1191	1297	1388	1494	1585
				52				916	966	1031	1081	1179	1278	1393	1491	1606	1701
				56				976	1029	1100	1153	1259	1365	1489	1595	1719	
				60				1035	1092	1168	1225	1338	1452	1585	1699	1831	
				64				1095	1155	1236	1297	1418	1539	1681	1802	1944	
				68					1218	1304	1369	1498	1627	1777	1906		
				70					1250	1338	1405	1538	1670	1825	1958		
MH900-MF		116	130	24		440	440	460	480	507	527	567	608	655	695	742	782
				28		489	489	512	536	567	591	638	685	740	787	842	889
				32			538	565	592	628	655	708	762	825	879	941	995
				36			588	618	648	688	719	779	840	910	971	1041	1102
				40			637	670	704	749	782	850	917	995	1062	1141	1208
				44			686	723	760	809	846	920	994	1080	1154	1240	1314
				48			735	776	816	870	910	991	1071	1165	1246	1340	
				52			785	828	872	930	974	1061	1149	1251	1338	1440	
				56			834	881	928	991	1038	1132	1226	1336	1430	1540	
				60				934	984	1051	1102	1202	1303	1421	1522		
				64				986	1040	1112	1165	1273	1380	1506	1613		
				68				1039	1096	1172	1229	1344	1458	1591	1705		
				70				1065	1124	1202	1261	1379	1496	1634	1751		
MH900-F*		110	120	24	392	412	431	451	470	497	516	555	594	640	679		
				28	433	456	479	502	525	555	578	624	670	723	769		
				32		501	527	553	579	614	640	692	745	806			
				36		545	575	604	634	673	702	761	820	888			
				40		590	623	655	688	732	764	829	895	971			
				44		635	671	706	742	790	826	898	970				
				48		679	718	758	797	849	888	967	1045				
				52		724	766	809	851	908	950	1035	1120				
				56		769	814	860	906	967	1012	1104	1195				
				60		813	862	911	960	1025	1074	1172					
				64			910	962	1014	1084	1136	1241					
				68			958	1013	1069	1143	1198	1309					
				70			982	1039	1096	1172	1229						

MJ Jaw Crushers

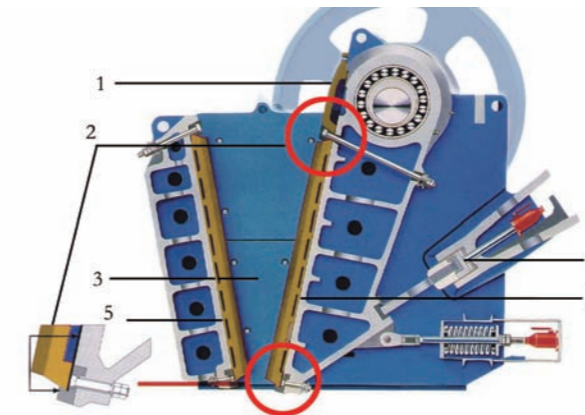
Allis Saga MJ series jaw crushers are mainly applied to coarse crushing in mining and engineering areas and in individual cases they can also be applied to medium crushing, such as production of coarse aggregate. In general, if the single machine capacity is less than 1000t/h, using jaw crusher has more advantages in comprehensive investment, maintain, operation and management than other types of coarse crushing equipment.

MJ series jaw crusher is single toggle jaw crusher. With hollow structure of the moving jaw and stationary jaw, the whole steel castings have high structural strength and rigidity. Welds of frame are positioned in low-stress areas, which ensures excellent performance and durability against shock-loads. Square and bigger effective feed opening, deep symmetrical crushing chamber and optimized nip angle, all the advantages maximize the feed size, reduction and capacity.

Performance Features

- Grease lubrication hoses with a central distribution block makes it easier to grease the bearings. Automatic lubrication system can be connected to the control system for remote alarm indication, which ensures the bearings being protected.
- Bearings are grease-lubricated and the greasefilled labyrinth seals protect bearing from dust.
- CSS can be adjusted by traditional shim plates, wedge block and hydraulic auxiliary.
- Jaw plates can be installed to the crushers quickly and easily by using clamping and support bars.
- Sacrificial parts are used to protect the main components of the crusher, so as to reduce the total costs in the life-cycle and increase the uptime of equipment.
- The replaceable support bars and plates are installed to protect jaws from wearing down.
- Large jaw crushers can adopt flexible support, which means they can be installed without anchor bolts.

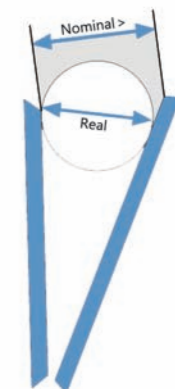




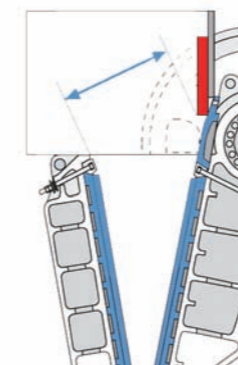
1. Heavy duty deflector plate, buffer the impact of the shaft and bearing seat.
2. Jaw plates installation with clamping bars, which is easy to replace.
3. Cheek plates for protecting side plates, which also easy to replace.
4. Lubrication-free toggle plate.
5. Wear plates protect the front frame and the swing jaw.



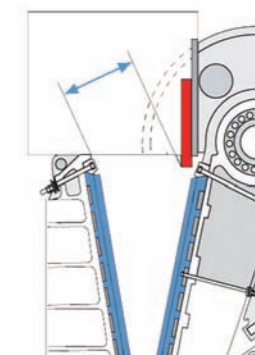
Allis Saga:
Symmetrical crushing chamber
Effective feed opening=Nominal feed opening



Competitor:
Effective feed opening < Nominal feed opening



Allis Saga:
The deflector plate at the top of the moving jaw ensures the effective feed opening and protect the mainshaft and bearings.
Material is crushed at the top of the chamber.



Competitor:
Cross-wall is required to protect the top of moving jaw and it also reduces effective feed opening.
Material cannot be crushed until a certain distance into the chamber.

Data and Dimensions



Crusher model						
Unit (mm)	MJ907	MJ1208	MJ1211	MJ1312	MJ1511	MJ1513
Feed opening	895 × 660	1200 × 830	1200 × 1100	1300 × 1130	1500 × 1070	1500 × 1300
A=Feed height	1580	1930	2500	2680	2390	3050
B=Max height	2380	2950	3510	3850	3330	4190
C=Flywheel diameter	1600	1860	1860	2170	1760	2170
D=Max length	2550	3230	3610	3760	4110	4500
E=Max width	1880	2570	2350	2470	3000	2900
Total weight (kg)	14500	27300	39500	44700	54900	64500
Motor power (kw)	75	132	160	160	200	200
Crusher speed(rpm)	270	240	210	225	200	200

Capacity t/hr

The capacity figures in the following table are approximate. The corresponding condition is open-circuit crushing of material with a bulk density of 2.7t/m³ and the material can be fed into the crushing chamber without block. The lower values in the table apply for a feed from which the material finer than CSS has been removed and the higher values apply for a feed which includes the fine material. Crusher capacity depends on feeding methods and material properties such as the feed size distribution, moisture of the feed and the material's crushability. Different types of jaw plates fit different material and different values of CSS mean different capacities.

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

- Choose appropriate type of jaw plates
- Appropriate feed size ratio
- Control feeding amount
- Adequate feeder capacity and feed width
- Adequate discharge area
- Specification of the discharge conveyor matches the maximum capacity of the crusher

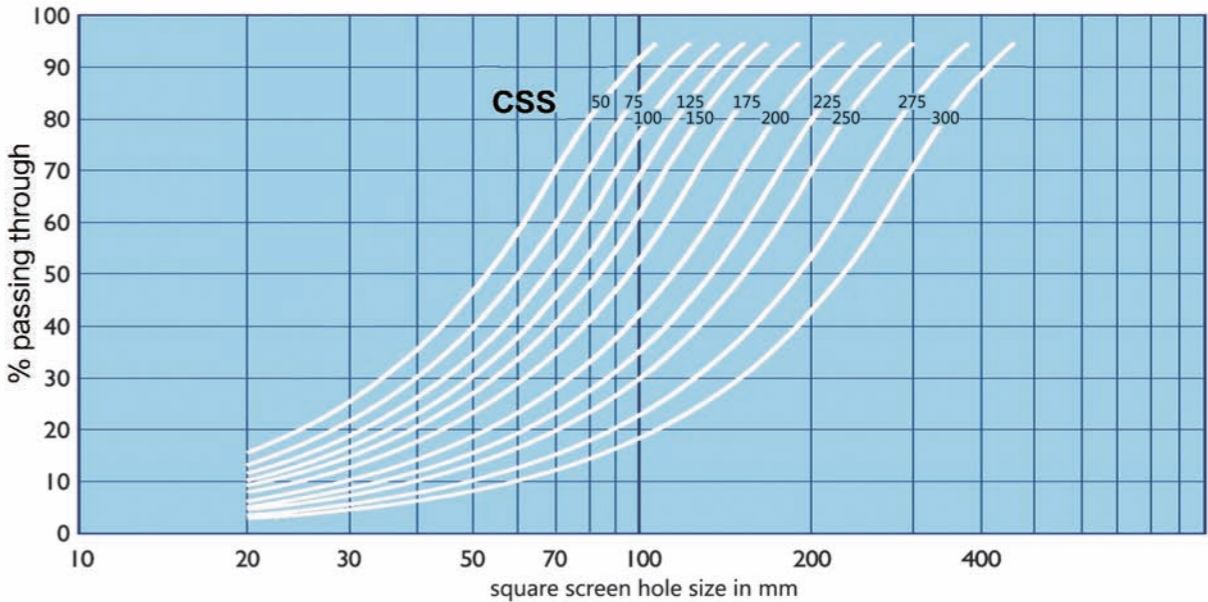
Capacity t/hr

CSS	Crusher model					
mm	MJ907	MJ1208	MJ1211	MJ1312	MJ1511	MJ1513
50	83–117					
75	98–162	167–198				
100	123–202	222–288				
125	148–237	272–353	303–392	327–433	390–490	
150	173–277	327–427	358–462	382–508	450–585	475–630
175	198–322	387–503	408–527	437–578	510–660	540–715
200		447–578	458–592	492–653	575–740	605–805
225		497–648	508–657	547–733	635–820	670–890
250		552–718	563–732	602–813	705–915	740–980
275		607–788	617–802	657–888	770–995	815–1075
300				712–963	830–1080	880–

Product Curves

The curves are representative for typical medium-hard material and they are simulated according to the rock of which the Platts hardness coefficient is 10–14 and approximate 75% of the product is smaller than the crusher's CSS.

The shape of the product curve and the proportion of the product which is smaller than the CSS depend on the properties of the feed material. For rock materials with different crushabilities, generally 65–85% of the crushing product are smaller than the crusher's CSS.



LS Linear Vibrating Screens

Allis Saga LS series linear vibrating screens are mainly applied to screening operations of crushing and screening process. They cover full range of screening operations with separation size from 1 to 100mm, including intermediate product classification, closed-circuit screening and dehydration screening. The vibrating trajectory of LS series screen is elliptical, which combines the features of linear and circular vibrating trajectory, high screening efficiency and large capacity. With nearly horizontal installation methods, LS series liner vibrating screens are very unique and successful design of industry.

Performance Features:

- The frame adopts anti-cracking HUCK bolt fastening, all welding adopts anti-cracking welding process and all welding seams are treated through special process.
- Welding stress are completely eliminated after heat treatment of the overall steel structure.
- Select SKF bearings and adopts anti-corrosion process.
- Large capacity.
- Adjustable installation angle of -3° to 10° .
- Powerful acceleration up to 5.5G, effectively prevent the mesh from blocking.
- Linear vibrating guarantees the screening performance.
- The amplitude and angle can be adjusted to meet different processing capacity and screening requirements.

LS series linear vibrating screens have many advantages, for example large capacity, compact structure and maintain friendly. LS series screens are applied to classification screening and prescreening before cone crusher in crushing process. There are single, double and three decks to choose. LS series screen is the best choice if the equipment installation space is limited or the difference between upper limit and lower limit of screen size is small. Straight or elliptical vibration provide higher screening efficiency. The biggest screen size of LS series linear vibrating screen is 300mm and the separation size range from 1 to 100mm. It is convenient to adjust the following parameters to meet different production needs:

- Inclination angle (by adjusting the spring seat)
- Stroke angle (by adjusting the position of vibrator)
- Stroke
- Revolution (by changing belt pulley)
- Vibrating trajectory

LS series linear vibrating screens are equipped with replaceable wear-resistant rubber liners in feeding end, discharging end and the side wall. The heavy screen plate provides wear protection and the feeding box adopts thicker wear-resistant rubber liners.

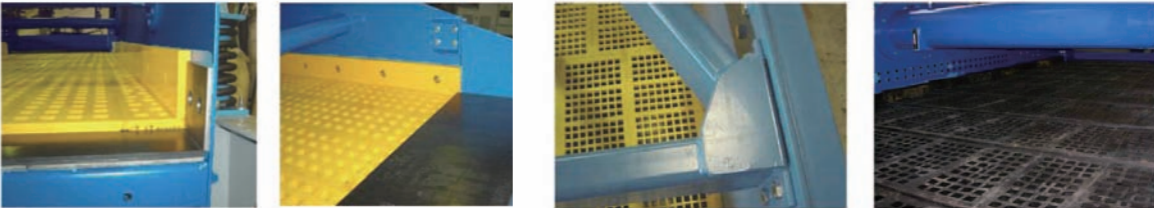
Data and Dimensions

Model	WidthxLength (mm)	S series-1 deck weight (kg)	D series-2 decks weight (kg)	T series-3 decks weight (kg)
LS1550	1520 × 5000	3770	4350	6000
LS1850	1820 × 5000	4220	5160	7275
LS1860	1820 × 6000	4700	6680	10100
LS2160	2120 × 6000	5150	7460	11810
LS2160	2120 × 6000	5150	7460	-
LS2460	2420 × 6000	6580	11000	13340
LS3060	3020 × 6000	13790	18750	-



LS Series Screen Drive Parts

1. Adjustable drive mode, motor on the side of screen frame.
2. Flexible coupling combine with belt speed adjustment.
3. Does not need frequency converter to adjust speed setting.
4. Recommend for heavy-duty applications, especially for mining areas.
5. Especially suitable for fine size screening.
6. Applicable to all screen types.



Meshes of Vibrating Screen

1. Standard scope of supply includes rubber mesh and fastening clip on side.
2. Set up support shaft along the length direction every 300mm.
3. Screens wider than 1800mm need fastening steel clip in the middle of the mesh to make sure fixed.
4. The support plate can be continuously adjusted to meet the needs of various meshes.

FD Heavy Grizzly Feeders



Allis Saga FD series heavy grizzly feeders are mainly applied to feeding operations of coarse crushing, medium crushing and some fine crushing in crushing process. Heavy grizzly feeder has the advantages of simple structure, easy to install, debug and maintain, large feeding capacity and wide range of feed size. Due to the design of heavy grizzly, the fine part of the material can be separated out in the prescreening to reduce the amount of ore material and greatly optimize the crushing environment. Heavy grizzly feeder is the best alternative equipment to replace plate feeder and provides customers the advantages of safe, reliable, stable, large capacity and prescreening ability.



Performance Features:

- The frame adopts anti-cracking HUCK bolt to prevent cracking.
- Select overall bearing bracket combine with SKF bearing, normal service life over 5 years.
- Variable frequency to adjust the feed quantity.
- Adjustable installation angle of 0° to 10° ,seat-mounted, small installation space needed and stable.
- Powerful acceleration up to 5.5G, effectively prevent blocking.
- Large amplitude to 15mm, large feed capacity.
- Amplitude and angle can be adjusted to meet different material properties and feeding quantity.
- FD feeders are designed for large processing quantity in heavy-duty conditions. The maximum processing capacity reaches 2000t/h, maximum feed size reaches 1.5m and the standard hopper volume is 26-45m³ .
- Vibration unit designed as double shaft structure, gear synchronization, oil lubricating, adjustable eccentric block weight and impact angle, motor driven by flexible coupling, optional variable frequency control cabinet, controllable feeding quantity and optional hydraulic driving unit.
- Grizzly bars are divided into two segments, the length between bars is adjustable. Spring seat adopts pin shaft installation method, which makes it easy to adjust the installation angle. Feeders can be installed in both directions within 0° to 10° up and down.

Data and Dimensions

Model	Width (mm)	Length (mm)	Grizzly Lehgth (mm)	Grizzly Area (m²)	Weight (kg)	Motor (kw)	Capacity (t/hr, 0-10°)
FD1260	1220	6000	2 × 900	2.2	6855	22	710-1090
FD1560	1520	6000	2 × 900	2.7	8050	30	870-1330
FD1860	1820	6000	2 × 900	3.3	10620	37	1030-1570
FD2145	2120	4500	1 × 1200	2.5	8195	37	1190-1810
FD2445	2420	4500	1 × 1200	2.9	8975	37	1350-2050

UMJ Semi-mobile Crushing Station

Product Description

UMJ is one of the newest series mobile wheeled crushing and screening product independently developed by Allis Saga. UMJ series is based on jaw crusher and vibrating feeder, combing receiving, feeding, pre-screening and crushing processes together. Reasonable matching of each link ensure the smooth flow of the discharging. UMJ series equipment has the characteristics of high production efficiency, easy maintenance, stable and reliable operation. UMJ series is suitable for all kinds of working conditions of the primary crushing operations to meet the requirements such as changeable crushing sites.



Structure and Characteristics

- 1.Three - axle frame chassis system equipped with traction device is complied with the national semi trailer highway standards, which can be driven by standard tractor to achieve rapid transfer.
- 2.UMJ series is based on jaw crusher and vibrating feeder, combing transportation, receiving, feeding, pre-screening and crushing processes together to meet different crushing requirements.
- 3.The large hopper device can be used for direct unloading of loading vehicles.
- 4.The fixed legs and auxiliary legs can be used for different stretching support of transport and operation conditions.
- 5.The whole machine can be powered not only by diesel generators, but also by direct supply of electricity to meet different operation requirements.

Technical Parameters

Model	Capacity (t/h)	Weight (Kg)	Dimensions Length * Width * Height (m)	Maximum Feed Size (mm)	Discharge Port Adjustment Range (mm)
UMJ907	85-320	70000	17.1*5.42*6.378	895*660	50-180
UMJ1208	165-790	75000	17.1*5.42*6.945	1200*830	100-275
UMJ1211	300-805	85000	17.1*5.42*7.503	1200*1100	125-275

UMH&UMS Semi-mobile Crushing Station

Product Description

UMH&UMS is one of the newest series mobile wheeled crushing and screening product independently developed by Allis Saga, widely used in ore, gravel aggregate, construction waste recycling and other crushing operations. UMH&UMS series has low requirements on the operating environment, covers small operation area, take short installation time after changing operation site and quickly enter the working state. UMH&UMS series also has the advantages of reliable running, convenient operation, convenient operation and mobility.



Structure and Characteristics

1. Three - axle frame chassis system equipped with traction device is complied with the national semi trailer highway standards, which can be driven by standard tractor to achieve rapid transfer.
2. UMH&UMS series is based on single cylinder hydraulic cone crusher and CIS crusher intelligent system, which has the advantages of convenient operation and reliable performance.
3. The fixed legs and auxiliary legs can be used for different stretching support of transport and operation conditions.

- 4. Integrated equipment installation has no need for on-site equipment assembly, which ensures product stability and improves operational efficiency.
- 5. The whole machine can be powered not only by diesel generators, but also by direct supply of electricity to meet different operation requirements.

Technical Parameters

Model	Capacity (t/h)	Weight (Kg)	Dimensions Length * Width * Height (m)	Maximum Feed Size (mm)	Discharge Port Adjustment Range (mm)	Finished Product Discharge Height (mm)
UMS200	128	30120	18*2.45*4.2	200	22-26	2970
UMS300	300	33000	18*2.45*4.8	300	22-40	3150
UMH200	118	30100	18*2.45*3.8	90	10-32	2970
UMH300	197	33200	18*2.45*4.3	145	13-41	3150
UMH400	378	36300	18*2.45*4.7	178	13-44	3330



Quality Assurance

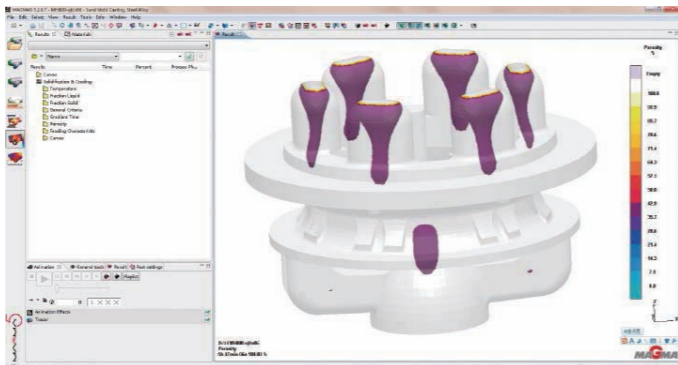
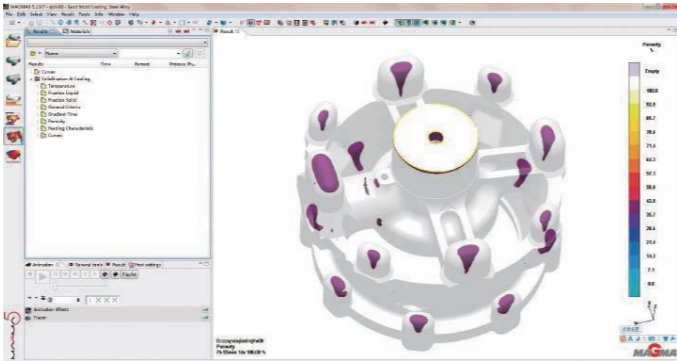
Superior Casting Material and Process



Allis Saga strictly control the quality of the key components. We select high quality casting material, optimized casting process and international production management standards to ensure the quality and service life of the key components.

Quality Assurance

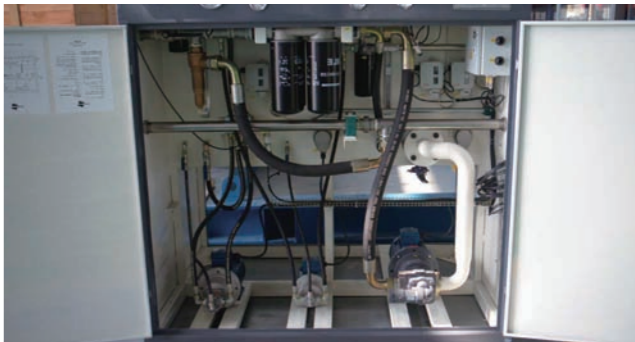
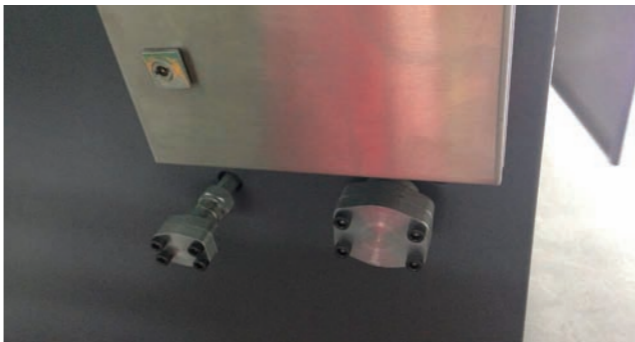
Whole Process Quality Supervision



Casting supplier of Allis Saga spent huge investment to introduce the most advanced simulation software to design casting process, simulate real-time casting and monitor the defect and weakness of our product. Combined with simulation and actual casting conditions to do the timely correction, so as to ensure the casting quality.

World Class Suppliers

On the basis of research and analysis of the international practical application of crushing and screening equipment and combined with the modern new material and technology, Allis Saga improved the product structure, upgraded the raw material and optimized the assembly process. Key components are supplied by world-class brands to ensure the high quality, high performance and high reliability of our equipment.



Assembly Process

- Main management personnel of production and assembly have over 20 years industry experience
- International high standards of production management
- Professional and sophisticated assembly process



Inspection and Testing

Allis Saga adopts strict product inspection procedures and advanced testing platform to test all procedures of each product we manufactured, which ensures that the quality and performance of our product to win customers' trust and satisfaction.



Service

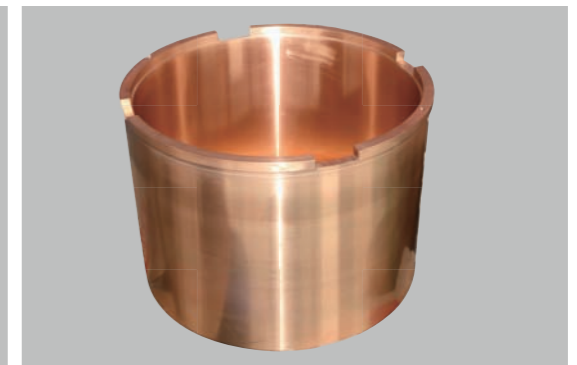
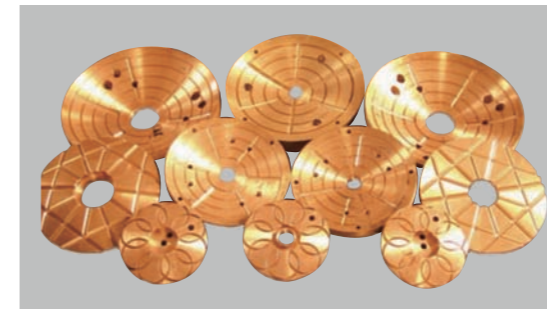
- Technical support and service team members are industry experts with rich practical experience.
- We provide equipment installation and commissioning, technical training, equipment inspection and evaluation, equipment repair and rebuilding and other technical support and services.
- Wide service network covering Beijing, Shanghai, Kunming, Chengdu, Urumqi, Malaysia, England, Canada, Dubai and other places to provide customers with efficient, fast and high quality service.

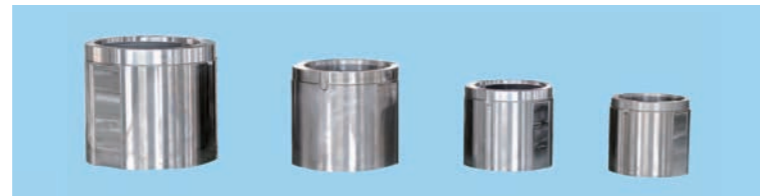
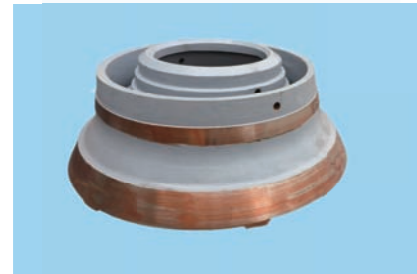
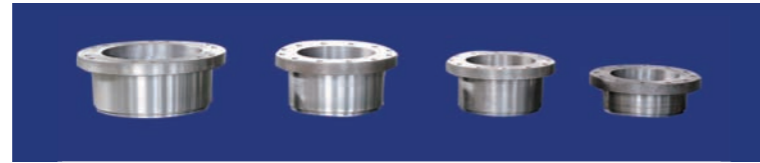
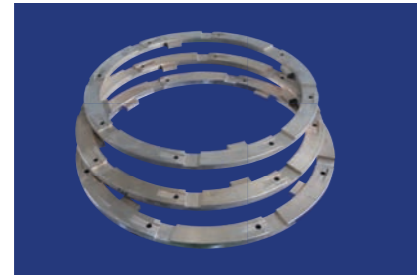




Parts Supply

- High quality parts and assembly parts of a full range of cone crusher, jaw crusher, screen and feeder.
- Parts inventory is adequate to ensure timely delivery.
- The efficient and fast logistics service system can guarantee the arrival within 24 hours in China for urgent spare parts.
- Efficient and economical repair and refurbishment services make sure that your equipment are economical and environmentally friendly.





Projects

Domestic Projects

Inner Mongolia Huatuo Project

Annual production capacity: 10050000t/year

Ore category: Magnetite

Product specification: 0-10mm

Actual processing capacity: 2500t/h



Hebei Datang Project

Ore category: Iron ore
Product specification: 0-5-10-20mm
Actual processing capacity: 600t/h



Tianbao Tietai 2000T/H Production Line Technical Renovation Project

Ore Category: Iron Ore
Capacity: 2157.3T/H
Granularity Distribution: 50mm+ (20%); 20-50mm (40%); -20mm (40%)
Technical Renovation Improvement: Large capacity; Fine product size; Energy saving; Low operating cost



Luoyang Xinxin Project

Ore Category: Molybdenum Ore
Capacity: 200t/h
Product Specification: 0-10mm



Overseas Projects

Mongolia project

Provide full range of equipment of the whole production line
Ore Category: Iron Ore
Capacity: 5,000.000t/year



Iran Project

Ore Category: Iron Ore

Product Specification: 0-10mm, 10-30mm

Actual Processing Capacity: 3,000.000t/year



Malaysia Projects

Ore Category: Granite

Product Specification: 0-5-20mm, 0-40mm

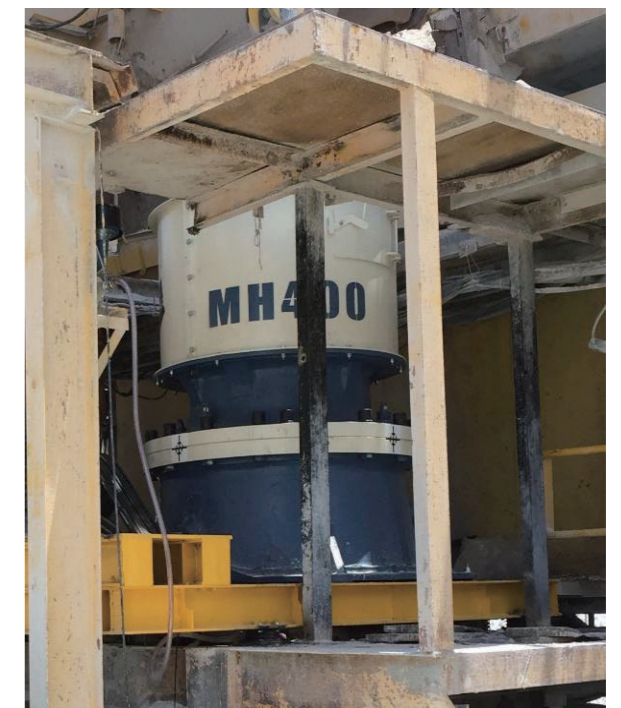
Actual Processing Capacity: 300.000t/month

MH400 MC Chamber

Commissioned at August 2016

MH400 M Chamber

Commissioned at September 2015



Ore Category: Granite

Actual Processing Capacity: 250TPH

MH400 M Chamber

Commissioned at April 2016



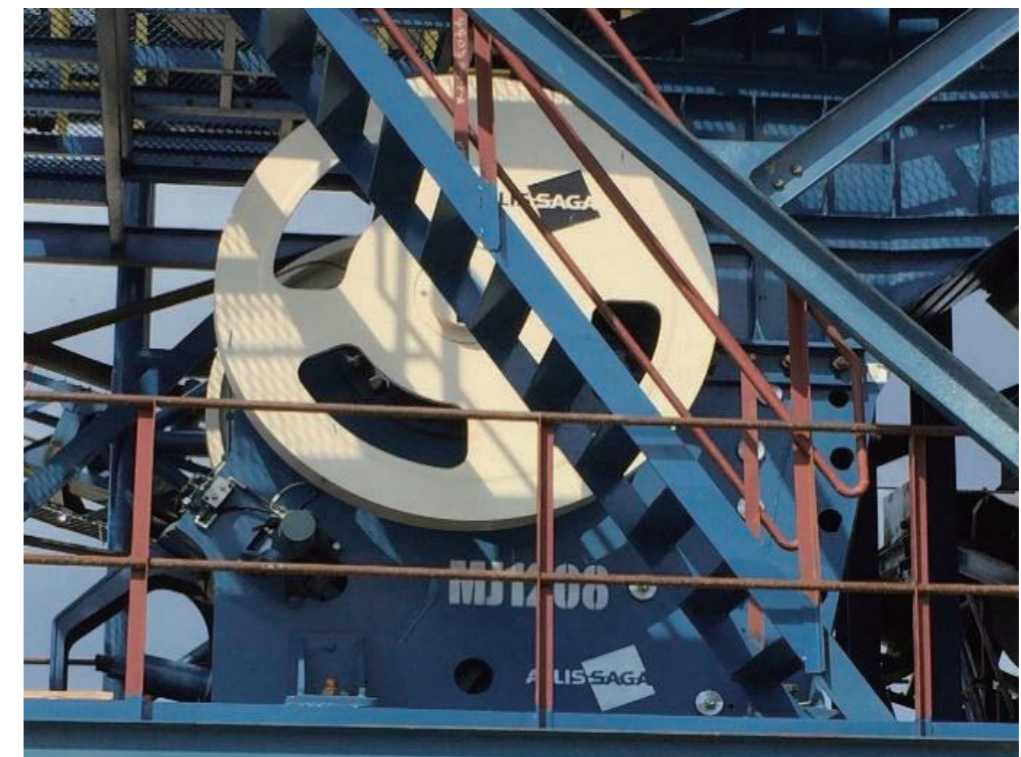
Ore Category: Granite
Actual Processing Capacity: 500TPH
MH400 M Chamber
Commissioned at April 2016



Ore Category: Granite
MH400 M Chamber
Commissioned at September 2016



Ore Category: Granite
MJ1208 Jaw Crusher
MS300 EC Chamber
MH400 M Chamber
Commissioned at February 2017



Myanmar Project

Overseas Semi-mobile Crusher

Material: Copper ore

Capacity: 300t/h



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