

KCS/KCH Cone Crusher



SHANGHAI KINGLINK INDUSTRY CO.,LTD

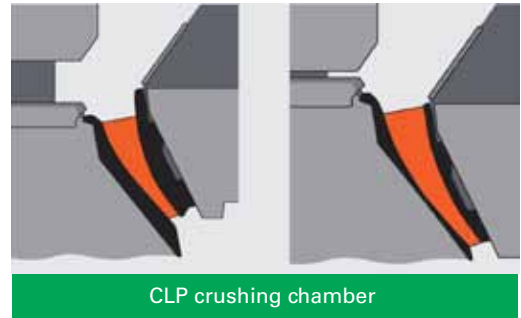


2 » KEY ADVANTAGES

A robust design ensuring optimal productivity with reduced vibration and noise, and longer life!

Kinglink cone crushers are of advanced design with a small footprint and high capacity in relation to size. They have high reduction efficiency and give very good product shape. With hydraulically adjusted CSS, the option of automation, a choice of several different crushing chambers, and many other high-performance features, each model is versatile, user-friendly and highly productive.

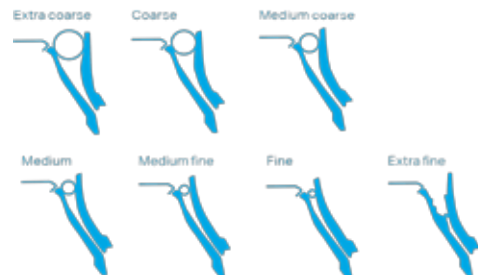
- CLP crushing chamber. CLP stands for Constant Liner Performance. The almost vertical profile of the feed opening area means that the shape of the chamber.
- When the cone crusher is equipped with our automatic setting system, ASRi, the actual crushing load inside the crusher is continuously monitored. This makes it possible to optimize crusher utilization allowing you to squeeze the ultimate performance from your machine at all times. The automatic setting regulation system ASRi, not only optimizes production, it also keeps track of liner wear. This makes it easy to plan liner changes and minimize interruptions in production.
- Our cone crushers have a wide field of use. Several standard crushing chambers are available for each model. The crushers can easily be matched to changes in production through the proper selection of crushing chamber and eccentric throw.
- Robust sealing to the inner crusher mechanics provides more effective protection against dust and other unwanted particles – reducing maintenance and increasing the life of the crusher.
- The Kinglink cone crusher is equipped with lightweight polymer linings for wear protection and noise reduction, better working environment and longer wear life. The linings are easy to install and to change.



CLP crushing chamber



Finite Element Design



Tapered Roller Bearing



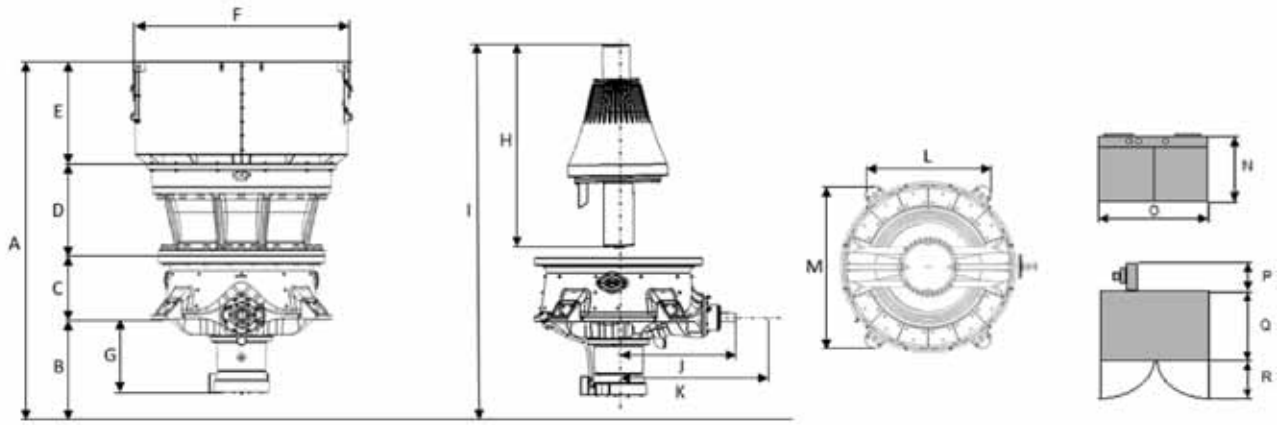
No Filled Epoxy



Hydraulic Adjustment

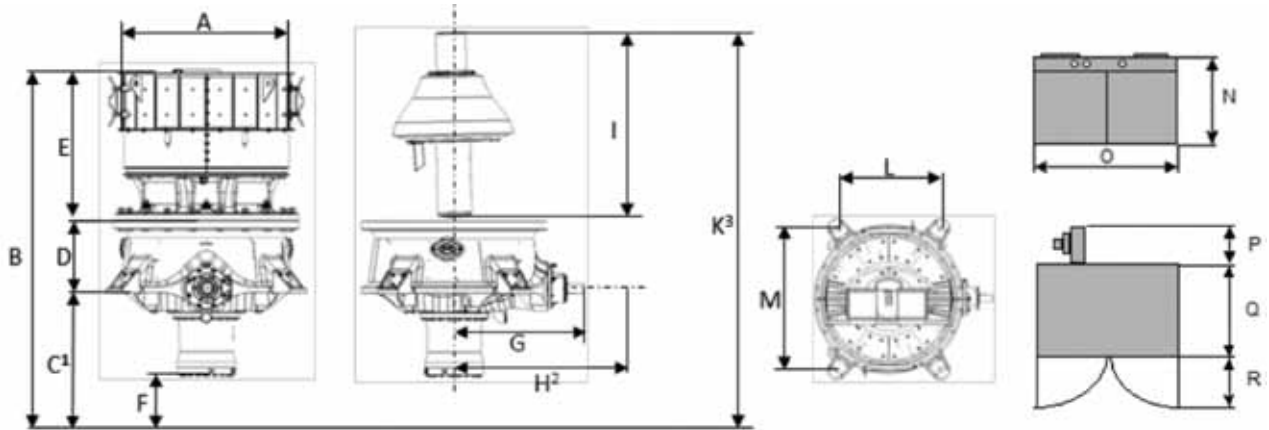


4 CLEARANCE DIMENSIONS



KCS TYPE DIMENSIONS(mm)

Section Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
KCS420	2902	1020	540	692	692	1285	620	1703	3365	843	1270	1090	1400	850	1156	861	770	650
KCS430	3485	1125	655	825	825	1635	703	2050	3930	1061	1705	1270	1676	850	1156	861	770	650
KCS440	4075	1300	745	980	1050	2000	848	2420	4600	1280	1900	1350	1880	993	1766	951	1252	691
KCS660	5100	1600	860	1240	1400	2810	970	2896	5346	1497	2156	1528	2103	993	1766	951	1252	691



KCH TYPE DIMENSIONS(mm)

Section Model	A	B	C	D	E	F	G	H ²	I	K ³	L	M	N	O	P	Q	R
KCH420	1078	2560	1020	540	1000	400	840	1270	1430	3000	1400	1090	850	1156	861	770	650
KCH430	1360	2990	1130	660	1210	420	1060	1705	1690	3570	1676	1270	850	1156	861	770	650
KCH440	1540	3410	1300	750	1370	450	1280	1900	1990	4000	1880	1350	993	1766	951	1252	691
KCH660	2104	4250	1600	860	1755	630	1497	2156	2349	4835	2103	1528	993	1766	951	1252	691

All dimensions are for reference only and are not to be used for construction.

CLEARANCE DIMENSIONS

APPROXIMATE WEIGHTS(kg)

Section Model	Feed hopper	Spider cap	TOPSHELL, COMPLETE	MAINSHAFT ASSEMBLY COMPLETE	ECCENTRIC, COMPLETE	BOTTOMSHELL ASSEMBLY COMPLETE	PINIONSHAFT HOUSING COMPLETE	HYDROSET CYLINDER COMPLETE	TOTAL WEIGH (APPROX.)
KCS420	200	65	2300	1600	255	2360	145	-	6800
KCS430	335	140	5100	2700	410	3920	260	500	12000
KCS440	500	160	8100	5100	700	5900	375	580	19300
KCS660	1800	790	15600	7890	1170	10100	565	1443	35000
KCH420	150	65	1400	1175	255	2360	145	-	5300
KCH430	230	130	2900	1840	410	3920	250	520	9200
KCH440	450	160	4700	3500	700	5900	375	580	14300
KCH660	995	340	8440	5890	1165	10100	565	1443	26760



Features which make our cone crushers the best on the market

An easy-to-maintain crusher. Maintenance and inspection from above.

The crusher has a CLP crushing chamber as standard. One topshell is used for all crushing chambers.

The robust design provides the strength and stability necessary for the crushing of extra-hard materials. The design also results in low maintenance costs.

Inspection holes are provided in the bottomshell.

Prepared for the installation of the control system.

1. Long life from liners of special alloy manganese steel.
2. KCH crushers have automatic overload protection system as standard (accumulator or dump valve).
3. The interior of the crusher is protected from dust by a selflubricating seal ring.
4. The bottomshell arms have liners of special alloy steel.
5. Quiet operation and long life thanks to bevel gears with hardened, spiral-cut teeth.
6. Product curve and capacity can be optimized by adjusting the eccentric bushing supplied with the crusher.
7. Large feed opening. The two topshell arms are protected against wear by robust liners of special alloy steel.

8. Mainshaft protected by replaceable sleeve and inner headnut.

9. CLP crushing chamber design maintains feed opening throughout the entire life of the liners.

10. Easy adjustment of gear backlash.

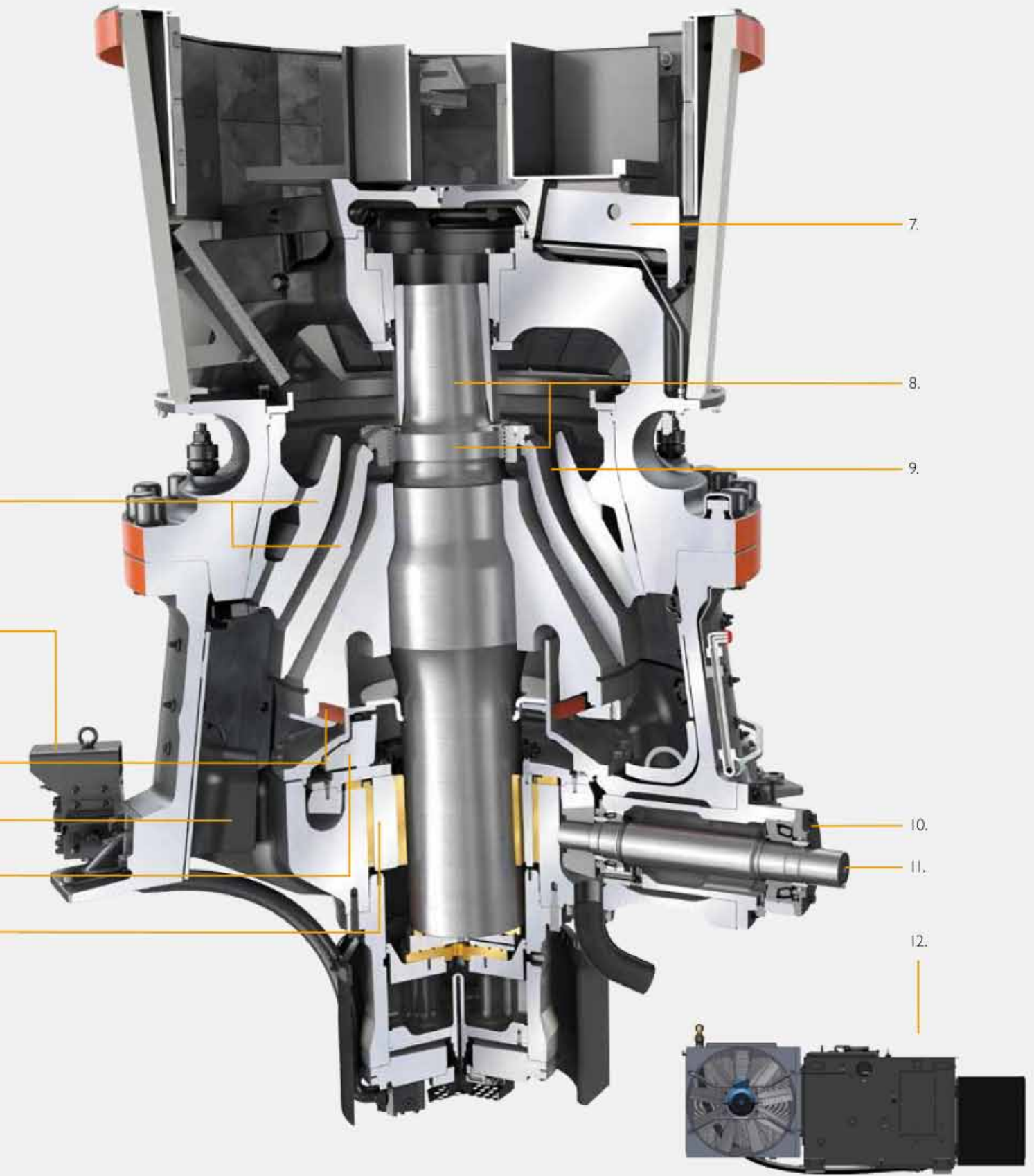
11. Robust design of the pinionshaft assembly. The pinionshaft and its bearings are built as a single unit which can be removed without taking the crusher apart.

12. Oil tank unit
 - filtration
 - cooling and heating
 - circulation pump
 - monitors for temperature and flow rate
 - interlocks

Lubrication

- Separate lubrication for the spider bearing.
- The oil tank unit automatically maintains oil flow to the various bearings. This system permits full lubrication even before the crusher itself is started since the pump is independent of the crusher. The oil is filtered and cooled automatically. The oil tank for the lubrication and Hydroset systems is a self-contained unit incorporating filters, heating and cooling equipment, pumps, temperature and flow rate monitors and electrical interlocks.
- The pinionshaft unit has separate lubrication.

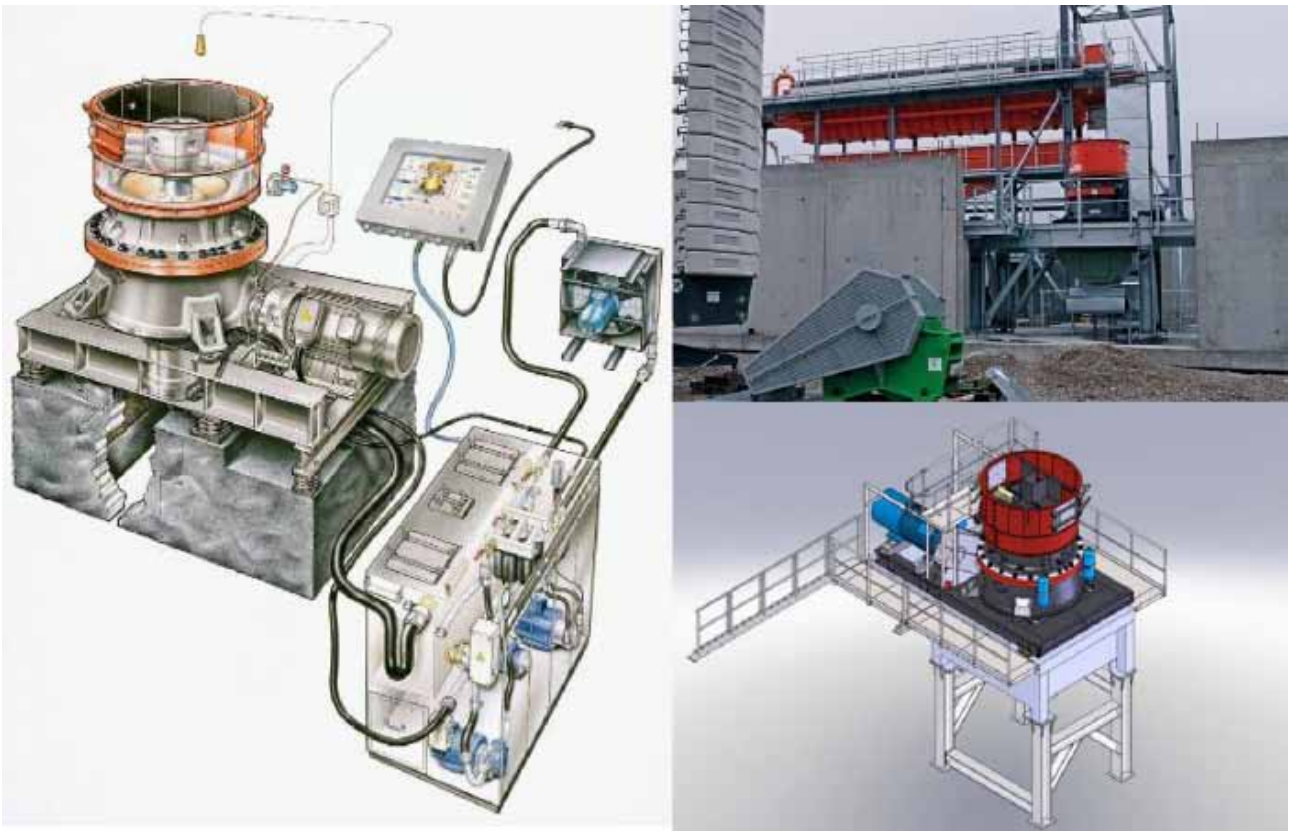




Weight

Our cone crushers have a significant lower weight because unlike the concept Of a rigid main shaft supported only at the bottom and Rotary adjustment, which require a mass of steel and other heavy components that Add weight to the equipment, our technology is focused around the camera Crushing and what is required to maximize power.

This reduction of weight also allows us to equip the crusher with vibrating rubbers Giving us the facility of being able to install the equipment on steel structures.



As we can manufacture a crusher much lighter than the competition and not Compromise performance and availability? A brief explanation of our Design features that allow us to make this reality are:

Robust one-body design

The upper housing is bolted to the lower housing through a conical adjustment, Creating compression in the part of the crusher that absorbs the crushing forces. East Design makes the body a single robust body.

Oversize breaker



OPTIMIZE THE CRUSHING PROCESS

Oversize breaker crushing mantle can help you achieve a more effective crushing operation. It optimizes the crushing process by breaking over sized material, and thereby allows you to use a crushing chamber size that maximizes the productivity in the operation. Normally the size of the crushing chamber is chosen according to the top size of the feed material. This means that a coarser crushing chamber than needed is commonly used, with less reduction as a result. With the Oversize breaker it is possible to run the crusher with a finer chamber, maximizing the reduction.

A SIMPLE FUNCTION - GREAT EFFICIENCY

The Oversize breaker is equipped with projecting wings that prevent the oversize feed material from staying on the ledge of the mantle, forcing the material to be crushed. The contra rotation movement of the mantle in the crusher, makes the wings move towards the oversized material.

Improve the reduction - by install a finer crushing chamber and gain a higher reduction in the fine crushing stage.

Simplify the plant process - it will be less vulnerable to non calibrated feed.

Increase the efficiency - less control of the secondary

crusher output is needed

Allow larger feed size in the tertiary crusher

As the distance between the wings and the concave decreases, the oversize material will be broken into a smaller size and can easily enter the crushing chamber. In addition, the pressure between the wings, the feed material and the top of the concave while breaking the oversize material creates a hardening of the concave steel surface. This makes the concave more wear resistant which will prevent wash out.

10 CAPACITY CHART

Crushing chambers

KCS-cone crusher

Three standard crushing chambers are available:

MC = Medium Coarse

C = Coarse

EC = Extra coarse

KCH-cone crusher

Several standard crushing chambers are available:

EEF = Extra Extra Fine

EF = Extra Fine

EFX = Extra Fine Xtra

F = Fine

MF = Medium Fine

M = Medium

MC = Medium Coarse

C = Coarse

CX = Coarse Xtra

EC = Extra Coarse

Capacity, MTPH

Performance figures are approximate and give an indication of what the crusher can produce.

They apply to open circuit crushing of dry material with a bulk density of 1600 kg/m³. It is assumed that material much finer than the crusher's closed side setting (CSS) is removed from the feed.

Consult us regarding the application of the crusher since the chosen eccentric throw, degree of reduction, the material's crushability (Wi), the size analysis of the feed, the design of any recrushing circuit and the moisture content in the feed all affect performance of the crusher.

KCS TYPE CONE CRUSHER

Model	motor	Cavity	Max feed size						
	kW		mm	16	19	22	25	29	32
KCS420	90	EC	240			102-118	108-144	115-154	121-162
		C	200	77	82-110	87-116	92-123	98-113	103
KCS430	132	EC	360				151	161-245	169-257
		C	300				170-196	182-277	191-290
		MC	235			130	137-209	147-224	154-235
KCS440	220	EC	450						
		C	400						291
		MC	300					245	257-391
KCS660	315	EC	560						
		C	500						

KCH TYPE CONE CRUSHER

Model	motor	Cavity	Max feed size				
	kW		mm	4	6	8	
KCH420	90	EC	135				
		C	90				
		M	65				36-44
		MF	50			36	38-67
		F	38	27-34		29-50	31-54
		EF	29				
KCH430	132	EC	185				
		C	145				
		MC	115				
		M	90				
		MF	75				61
		F	50			48-78	51-83
KCH440	220	EC	215				
		C	175				
		MC	140				
		M	110				
		MF	85				
		F	70				90-135
KCH660	315	EC	275				
		CX	245				
		C	215				
		MC	175				
		M	135				
		MF	115				
		F	85				
EF	65						

Nominal capacity in t/h with crusher running at CSS mm

35	38	41	44	48	51	54	57	60	64	70	76	83
127-145	132											
176-269	184-281	192-292	200-304	210-281	218-250	225						
199-304	208-217	217-330	226-302	237								
161-245	168-256	175-267	182-244	192								
273-318	285-434	297-452	309-470	325-495	337-447	349-406						
304-463	317-483	331-503	344-456	362-421	375							
269-409	281-427	292-445	304-403	320-372	332							
	331-385	345-514	359-593	378-624	392-647	406-670	420-693	433-716	452-746	480-792	508-756	540
335	350-464	364-602	379-626	399-658	413-683	428-707	443-731	458-755	477-710	507-589		

Nominal capacity in t/h with crusher running at CSS mm

10	13	16	19	22	25	32	38	44	51
46	50-85	54-92	85-99	62-105	66-112	76-128			
43-53	46-89	50-96	54-103	57-110	61-118	70			
38-74	41-80	45-76	48-59						
40-71	44-68	47-53							
32-57	35-48	38							
30-40 with 80% finer than 4.5-5.5 mm									
	69-108	75-150	80-161	86-171	91-182	104-208	115-208		
	66-131	71-142	76-152	81-162	86-173	98-197	109-150		
57	62-140	67-151	72-162	77-173	82-184	93-145			
64-84	69-131	75-142	80-152	86-162	91-154	104			
65-105	70-115	76-124	81-126	87-114	92				
54-88	59-96	63-103	68-105	72-95	77				
70-90 with 80% finer than 5-5.6 mm									
		114-200	122-276	131-294	139-313	159-357	175-395	192-384	
	101	109-218	117-292	125-312	133-332	151-378	167-335	183-229	
	97-122	105-262	113-282	120-301	128-320	146-328	161-242		
	117-187	126-278	136-298	145-318	154-339	175-281	194		
114	124-227	134-245	144-263	153-281	163-299	186-248			
96-176	104-191	112-206	120-221	129-236	137-251	156-208			
100-125 with 80% finer than 6-7.5 mm									
		177	190-338	203-436	216-464	246-547	272-605	298-662	328-551
		174-194	187-374	200-488	212-519	242-592	268-654	293-521	323-359
		171-190	184-367	196-480	209-510	238-582	263-643	288-512	317-353
		162-253	174-426	186-455	198-484	226-552	249-499	273-364	
		197-295	211-440	226-470	240-500	274-502	302-403		
	192	207-369	222-396	237-423	252-450	287-451	318-363		
	195-304	210-328	225-352	241-376	256-400	292-401	323		
	211-293	227-316	244-298	261-290					





- Strive for a 2 hour response time from service agents.
- Commitment to getting crusher operating as expected.
- Investment in smart, hard-working and industry experienced service team.
- Direct line to technical support group, 24-hours a day at [+86-15601968455](tel:+86-15601968455)



QUICK DELIVERED PARTS

- Large inventory increases parts availability and reduces wait time.
- Centrally-located warehouse for quick deliveries.
- Critical third party parts are inspected for integrity.
- High quality factory parts are backed by fitup assurance.
- 1-Year Parts Warranty:
 - ↳ Covers new parts against defects in material or workmanship.
 - ↳ Excludes normal wear and tear.



NOTE: SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Because Kinglink may use in its catalog & literature, field photographs of its products which may have been modified by the owners, products furnished by Kinglink may not necessarily be as illustrated therein. Also continuous design progress makes it necessary that specifications be subject to change without notice. All sales of the products of Kinglink are subject to the provisions of its standard warranty.

REV. 1 1/17

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