



## HAMMER CRUSHERS

- high operating reliability
- low costs for operation and maintenance
- simple attendance and maintenance





# Hammer crushers for fine and medium crushing KMR

## CRUSHING



Hammer crusher KMR 2145 – crushing of limestone for desulphurization



Hammer crusher KMR 2145

PSP Engineering supplies hammer crushers for fine and medium crushing of soft and medium hard, non-sticking materials such as limestone, gypsum, slate, burned lime, bituminous coal and other materials of similar properties.

Hammer crushers for a wide range of capacities can be found in the cement industry where ball mills are part of the grinding plants, in desulphurization lines and lines producing plaster mixtures.

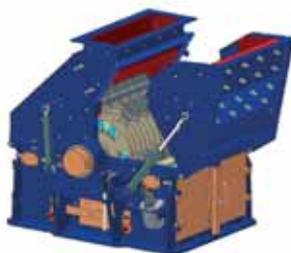
### The exceptional operating properties of hammer crushers are:

- High operating reliability
- Low cost for operating and maintenance
- High throughput
- Long service life of main crushing elements

Crushers for fine and medium crushing are designed with reverse operation of the rotor and hammers. The design of the inlet chamber, rotor with staggered hammers and smooth grate surface have a favorable influence on the crusher capacity.

The design of the crusher housing (its tipping part) allows simple and quick access to important parts of the crusher for maintenance.

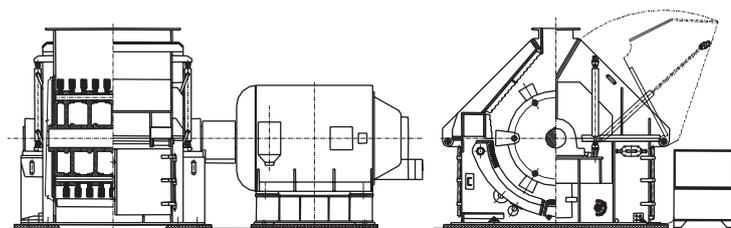
Impact plates can be rearranged either in a closed path or in an open path. The machine can be supplied with a common base frame for the crusher and drive which shortens the installation time of the crusher. The frame can be supplied with a flexible seating to reduce the dynamic forces on the foundations.



3D model of the hammer crusher KMR 2142

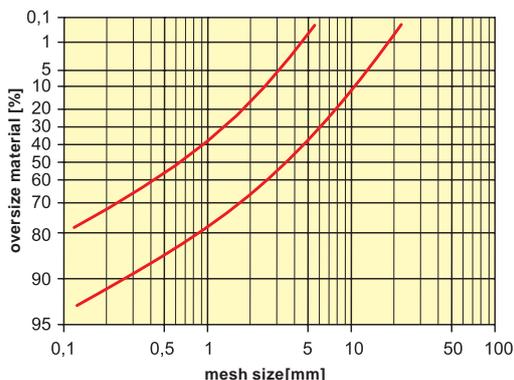


3D model of the hammer crusher KMR 2142 with the drive on the common anchoring frame



Sketch of the hammer crusher KMR 2145 with the drive

### Grain size distribution of the product



The field between curves characterizes the crushing ability of machines that depends on the inlet size, the slot of the grate and kind of material crushed.

### Principle parameters

Type	Entrance*	Slot of grate****	Capacity	Length	Width	Height	Power input
	mm	mm	t/h	mm	mm	mm	kW
KMR 1112**	200	4 - 14	15 - 25	1140	1225	900	11 - 30
KMR 2142	75	6 - 25	30/65***	1420	1350	1400	75 - 110
KMR 2143	100	6 - 30	50/110***	1700	1640	1750	110 - 160
KMR 2144	120	6 - 40	80/175***	2160	1940	2150	160 - 250
KMR 2145	120	6 - 40	100/200***	2620	2300	2500	250 - 400
KMR 2146	150	10 - 40	120/250***	2780	2650	2750	315 - 400
KMR 2147	200	10 - 40	200/400***	3360	3340	3450	500 - 630
KMR 2148	200	12 - 40	320/600***	4000	4000	4000	630 - 800

\* Undersize of square mesh size

\*\* The reverse version is not available.

\*\*\* Output max. limestone/coal

\*\*\*\* Outlet grain size of product – more than 95%, less than the slot of the grate

Stated capacities are only informative and depend on the properties and composition of the crushed material and way of feeding.



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PSP Engineering a.s. is a leading supplier of specialized products and entire processing plants for the building material and mineral processing industries. PSP Engineering has been involved in the design and construction of cement plants, lime works, quarry and crushing plants, as well as gravel and sand pits for more than 50 years.

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