HORIZONTAL IMPACT CRUSHERS HIC

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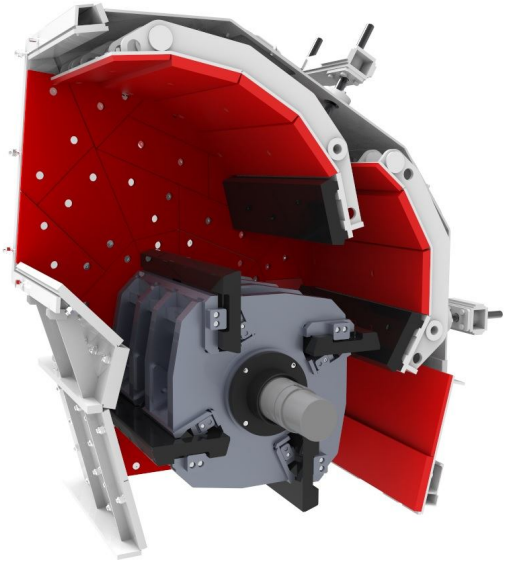
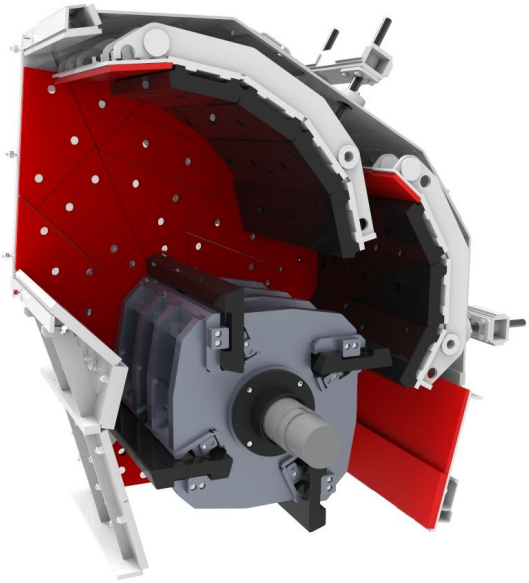
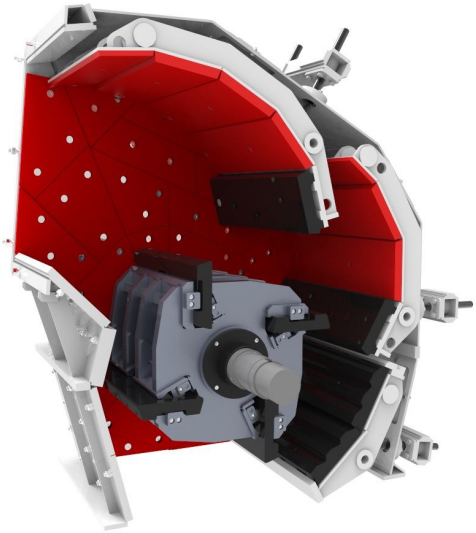
Classification of HIC Impact Crushers



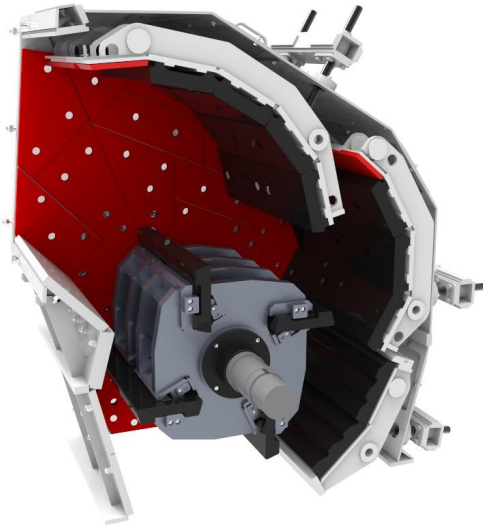
HIC



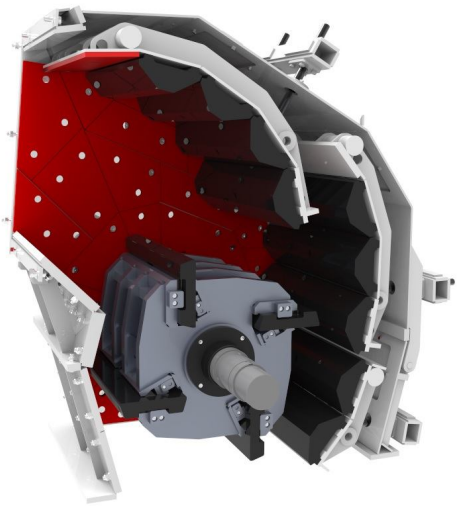
HIC A



HIC GB



HIC A GB



HIC F GB

Classification of HIC Impact Crushers

DESCRIPTION OF HORIZONTAL IMPACT CRUSHERS HIC

Horizontal Impact Crushers HIC are used for crushing various materials in the primary, secondary and tertiary stage of crushing. These machines work on the principle of dynamic crushing. The material falls on the blow bars, which are rotating. This causes that the material is thrown against impact plates. That is a simple description of crushing process. In some model types may be placed an additional impact rack for better crushing effect.

According to the application requirements (parameters such as feed size of the material, abrasiveness of the crushed material, resistance against crushing impact, etc..) HIC Crushers are available in various designs.

The standard version of the crusher HIC
The HIC version is equipped with two impact racks and wall liners. It is designed for crushing low-abrasive materials in the primary and secondary stage of crushing. This is the basis for other types of designs, which are given below.

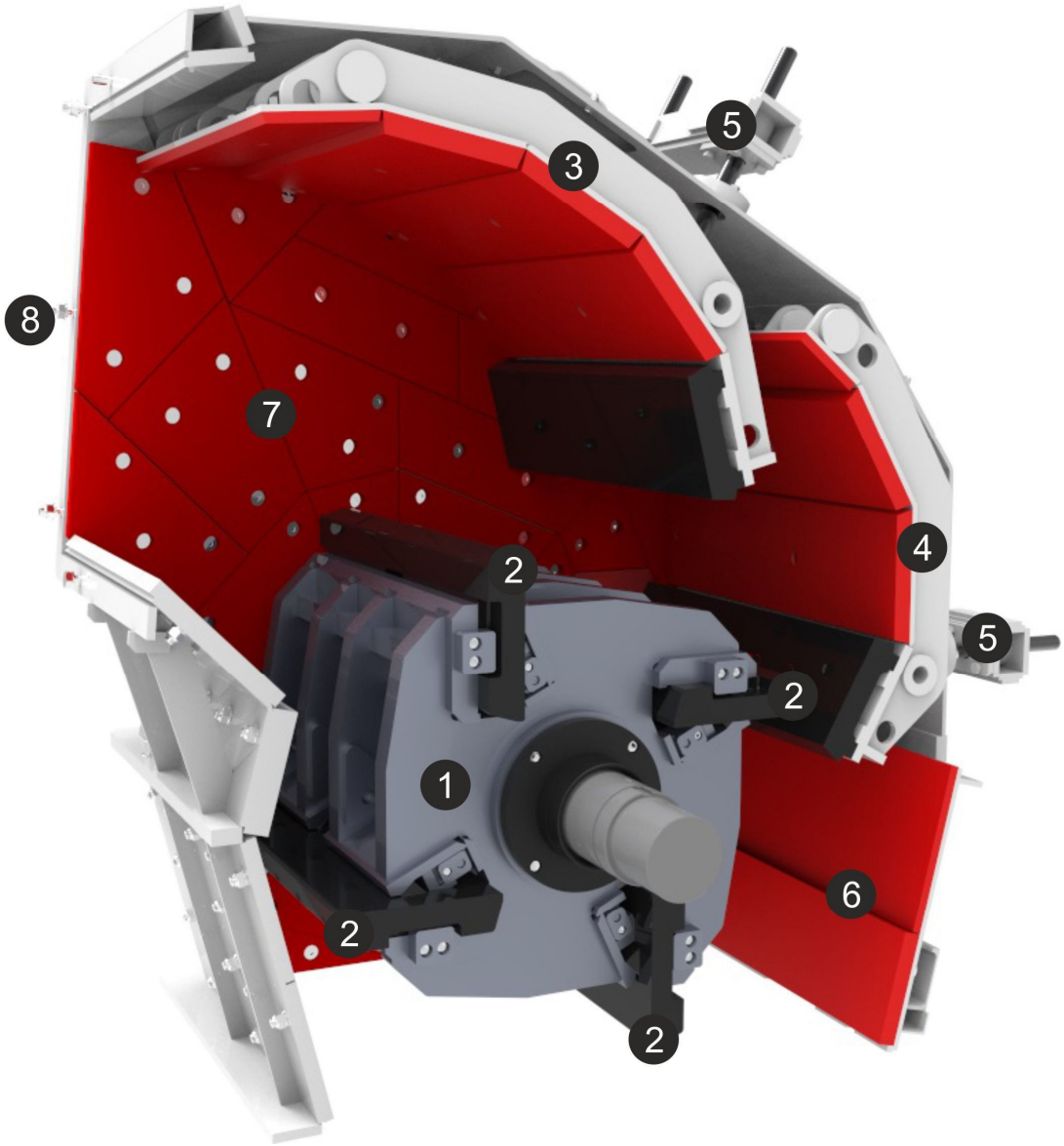
The crusher HIC A
The HIC A version has got two impact racks and wall liners as well as standard version HIC. A difference to the previous version is in the impact plates, which are resistance against materials with higher abrasiveness. It is mainly used in the secondary stage of crushing.

The crusher HIC GB
In comparison with standard HIC version is wall liners replaced by the additional impact rack. The application is for low-abrasive materials in the secondary or tertiary stage of crushing.

The crusher HIC A GB
The HIC A GB is as well as in the version HIC GB equipped with three impact racks. The difference is in the impact plates, which are resistance against materials with higher abrasiveness. It is used in the secondary or tertiary stage of crushing.

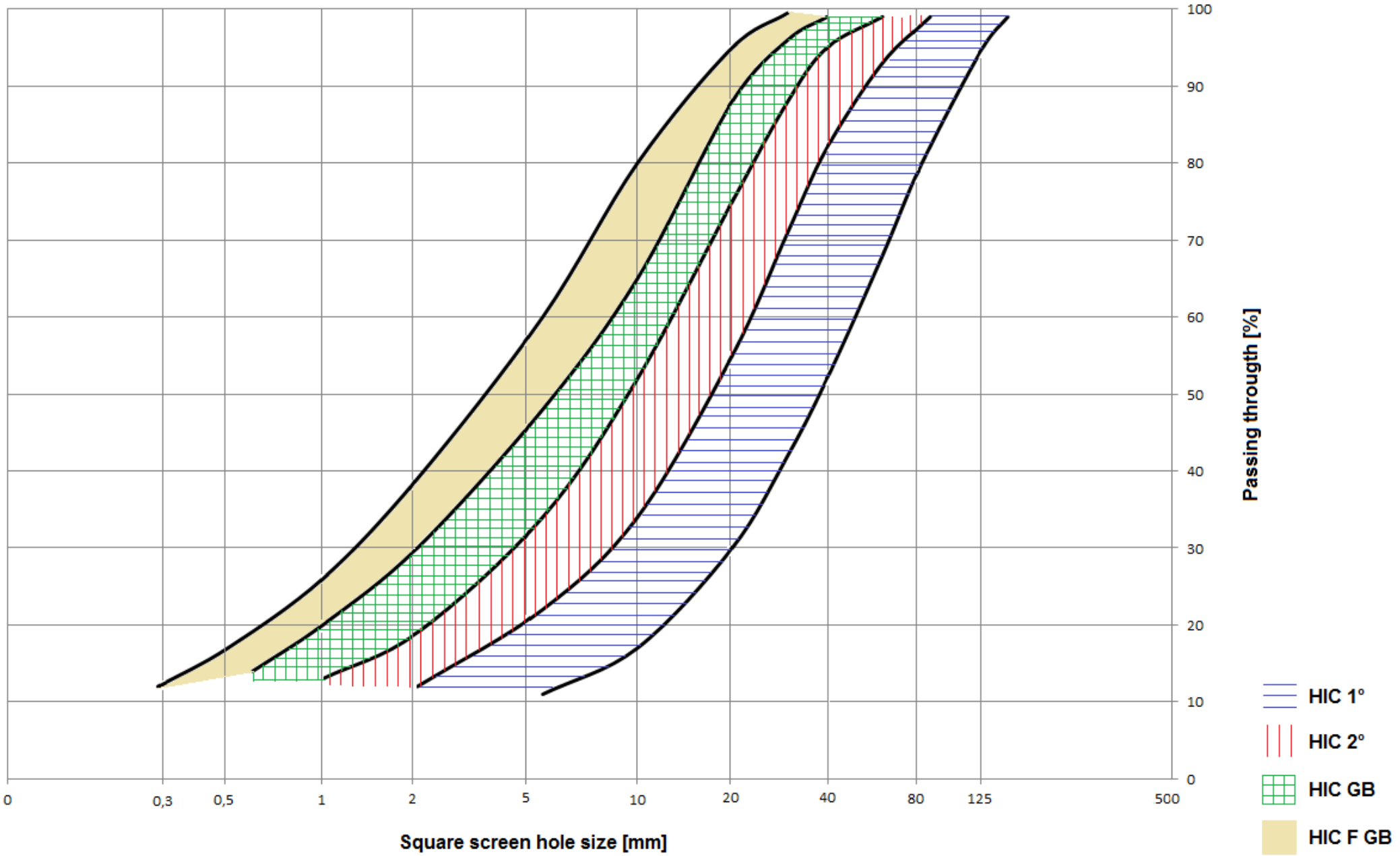
The crusher HIC F GB
The HIC F GB is designed for fine crushing of various materials. It is mainly intended in the tertiary stage of crushing. The construction is similar to the HIC GB (HIC A GB). The difference is in the impact plates and additional impact rack. Their unique design increases the efficiency of the crusher.

HIC Series Horizontal Impact Crusher Construction

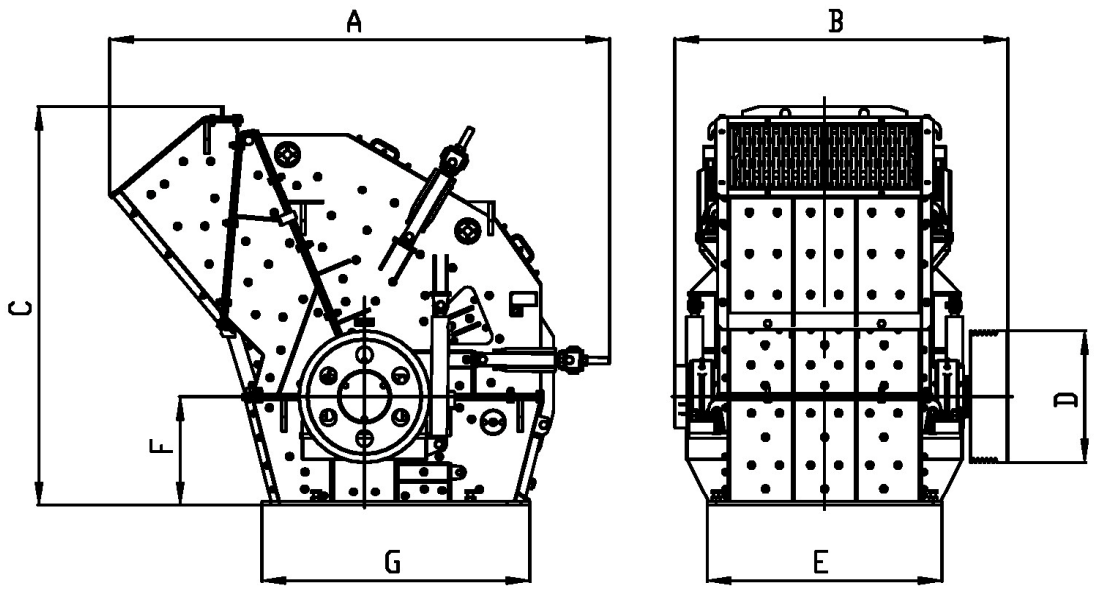


1. Rotor
2. Blow Bars
3. Front Impact Rack
4. Back Impact Rack
5. Tension Rods
6. Wall Liners
7. Side Liners
8. Feed Opening

Product Curves - HIC Horizontal Impact Crushers



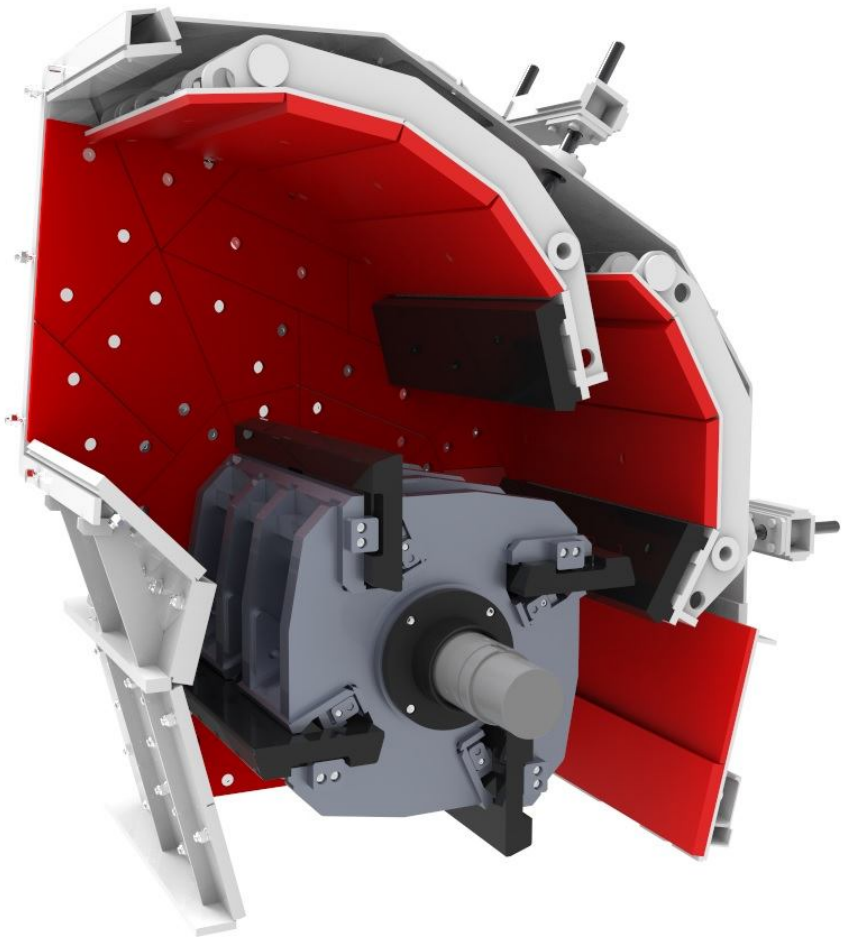
Dimension Table



Model Name	A	B	C	D	E	F	G
	[mm]						
HIC 85x50	2350	1360	1890	Ø 580	870	510	1190
HIC 85x100	2350	1850	1890	Ø 580	1340	510	1190
HIC 100x100	2860	1910	2280	Ø 750	1340	620	1530
HIC 125x130	3125	2320	2490	Ø 900	1640	680	1690
HIC 150x150	3560	3010	2980	Ø 1100	1840	850	1960

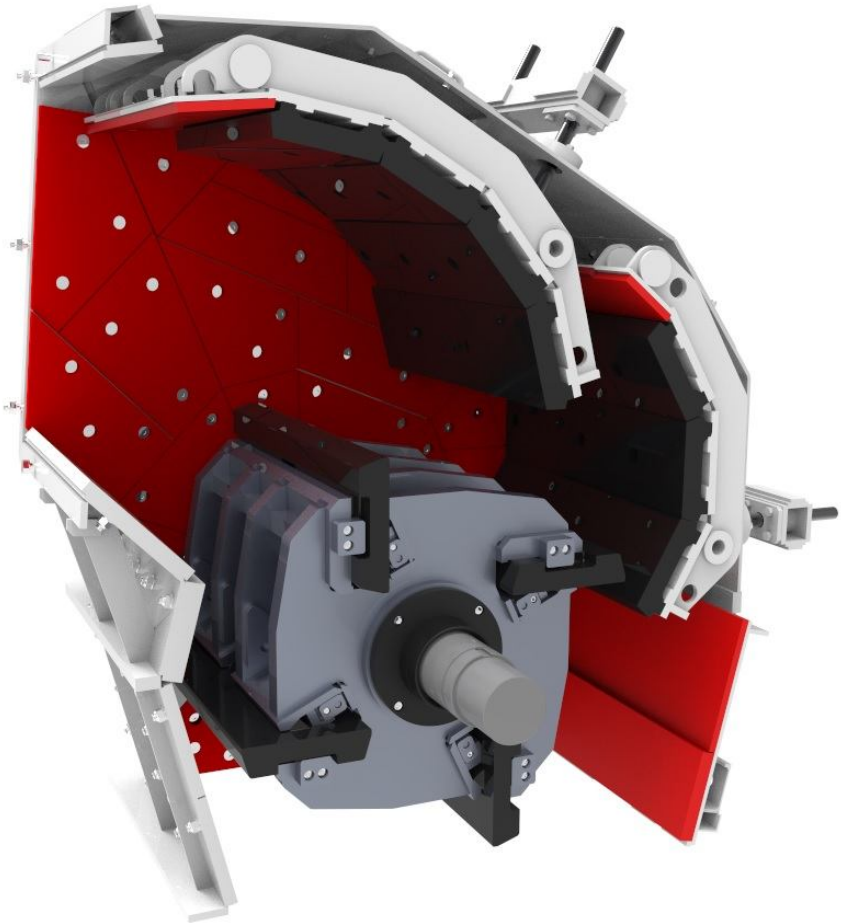
The dimensions listed above correspond to the designs of HIC A/GB/A GB/F GB.

HIC



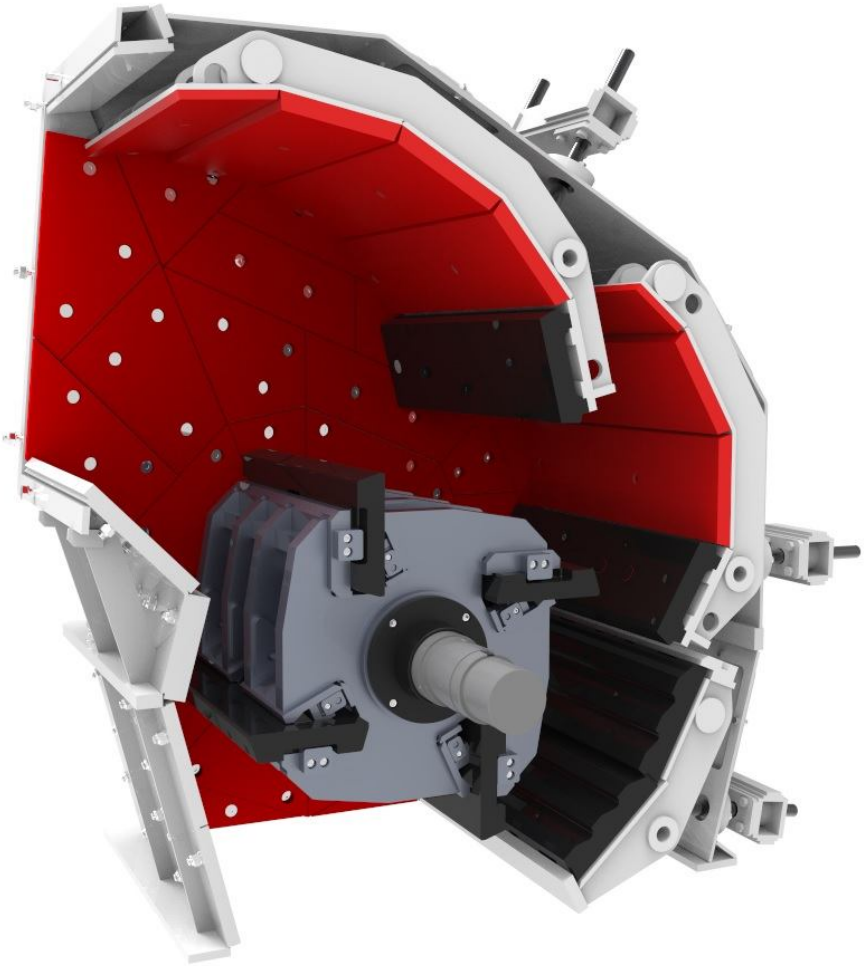
Model Name	Power Supply	Max. Feed Size	Max. Capacity	Crusher Weight	Drive Weight
	[kW]	[mm]	[t/h]	[kg]	[kg]
HIC 85x50	55 – 75	300	80	3 940	780
HIC 85x100	90 – 110	300	130	5 820	850
HIC 100x100	132 – 160	600	190	9 400	1 250
HIC 125x130	200 – 250	750	280	13 870	1 700
HIC 150x150	315 – 560	1000	500	23 900	6 390

HIC A



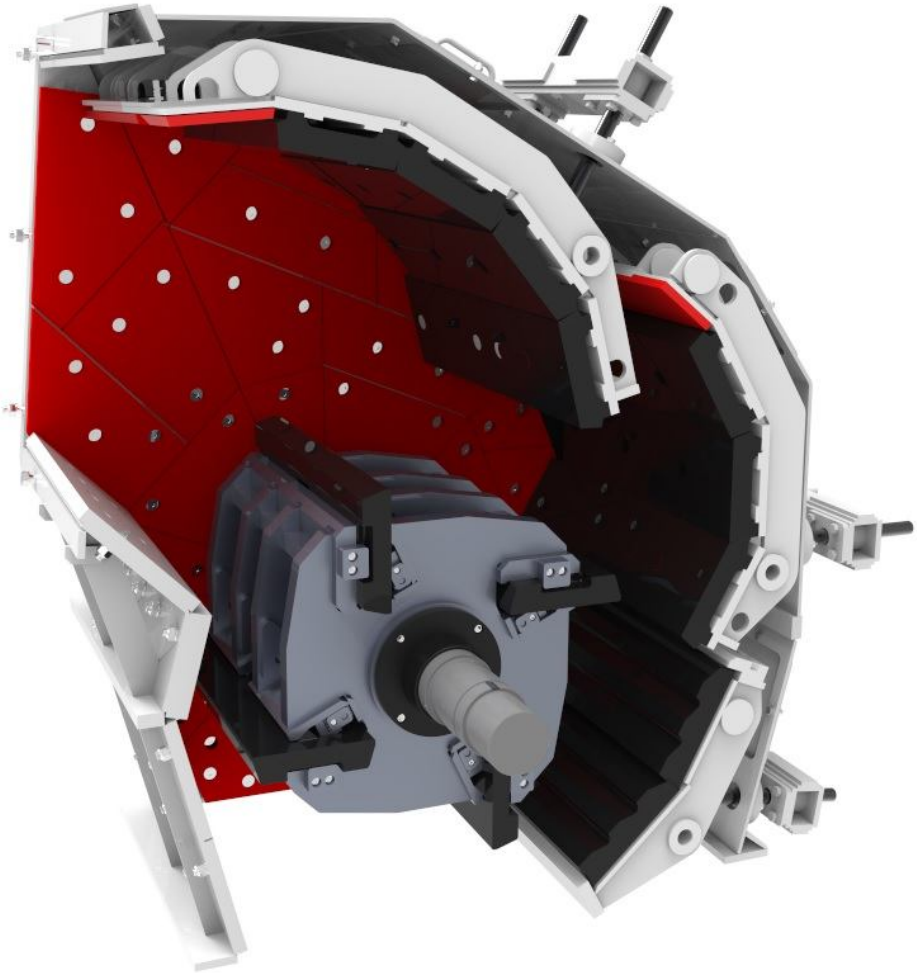
Model Name	Power Supply	Max. Feed Size	Max. Capacity	Crusher Weight	Drive Weight
	[kW]	[mm]	[t/h]	[kg]	[kg]
HIC 85x50 A	55 – 75	200	60	3 980	780
HIC 85x100 A	90 – 110	200	95	5 900	850
HIC 100x100 A	132 – 160	280	145	9 650	1 250
HIC 125x130 A	200 – 250	350	210	14 200	1 700
HIC 150x150 A	315 – 560	460	370	24 580	6 390

HIC GB



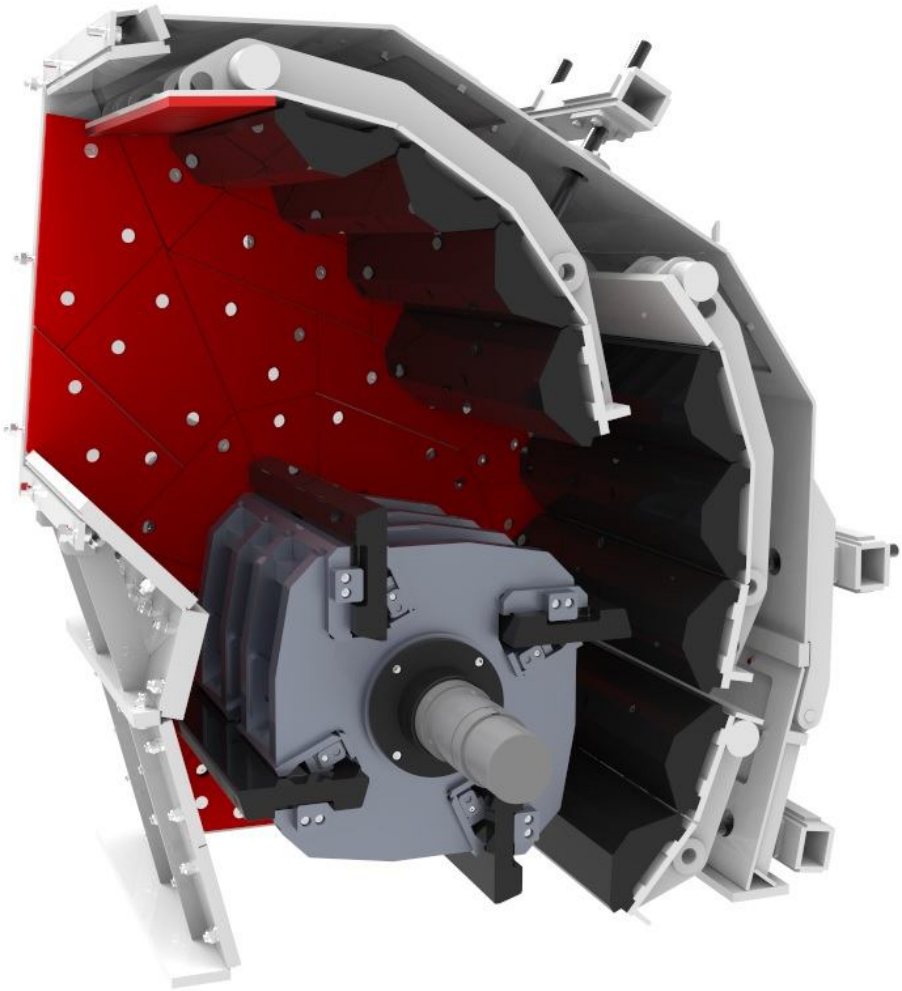
Model Name	Power Supply	Max. Feed Size	Max. Capacity	Crusher Weight	Drive Weight
	[kW]	[mm]	[t/h]	[kg]	[kg]
HIC 85x50 GB	55 – 75	200	55	4 200	780
HIC 85x100 GB	90 – 110	200	90	6 080	850
HIC 100x100 GB	132 – 160	350	135	9 740	1 250
HIC 125x130 GB	200 – 250	420	200	14 670	1 700
HIC 150x150 GB	315 – 560	580	350	24 970	6 390

HIC A GB



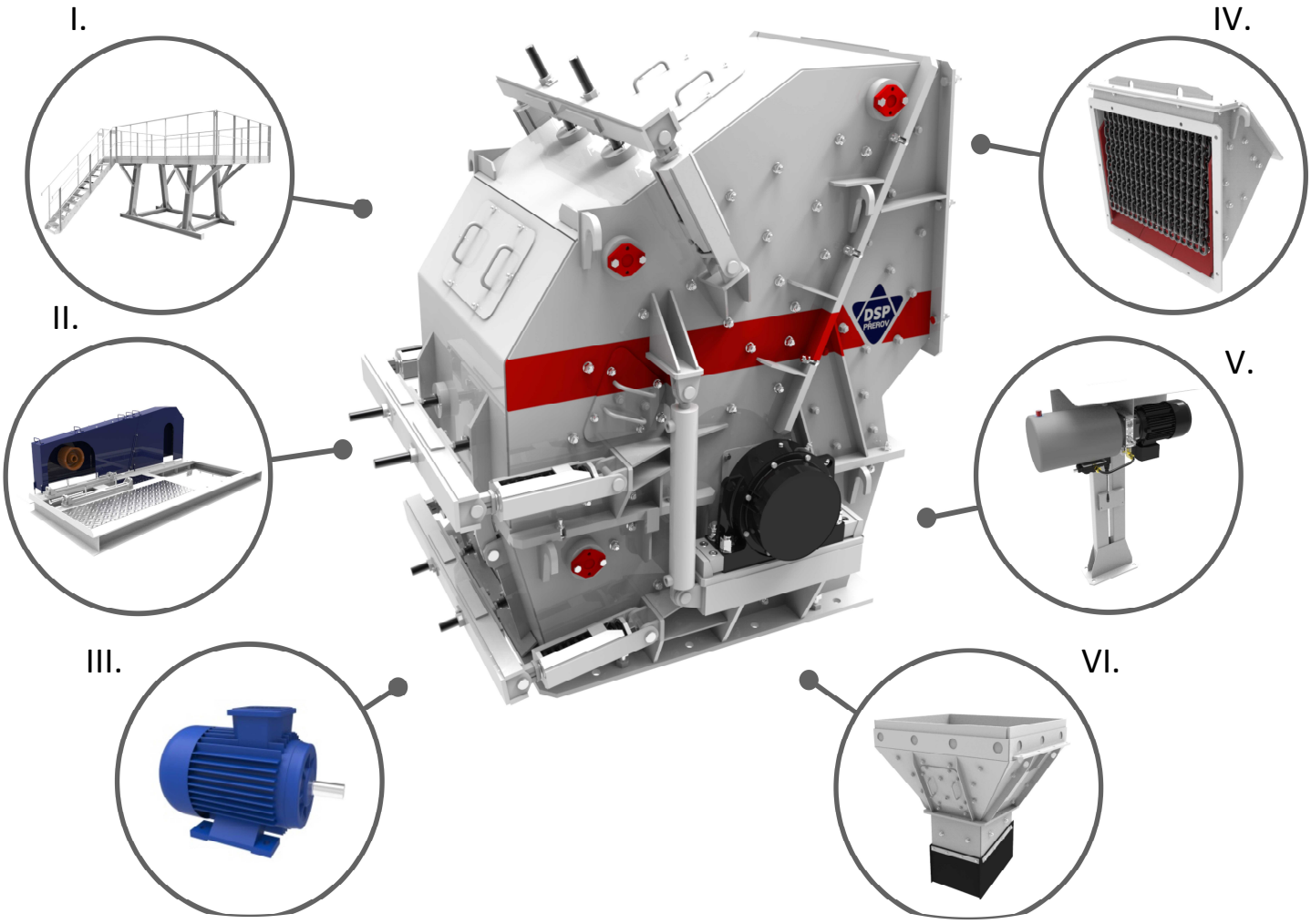
Model Name	Power Supply	Max. Feed Size	Max. Capacity	Crusher Weight	Drive Weight
	[kW]	[mm]	[t/h]	[kg]	[kg]
HIC 85x50 A GB	55 – 75	160	50	4 240	780
HIC 85x100 A GB	90 – 110	160	80	6 160	850
HIC 100x100 A GB	132 – 160	230	120	10 000	1 250
HIC 125x130 A GB	200 – 250	280	175	15 000	1 700
HIC 150x150 A GB	315 – 560	380	310	25 480	6 390

HIC F GB



Model Name	Power Supply	Max. Feed Size	Max. Capacity	Crusher Weight	Drive Weight
	[kW]	[mm]	[t/h]	[kg]	[kg]
HIC 85x50 F GB	55 – 75	120	40	4 310	780
HIC 85x100 F GB	90 – 110	120	70	6 060	850
HIC 100x100 F GB	132 – 160	200	100	10 330	1 250
HIC 125x130 F GB	200 – 250	250	150	15 600	1 700
HIC 150x150 F GB	315 – 560	330	270	26 000	6 390

Accessory Equipment



I.	Supporting steel structure under the crusher
II.	Main frame is connected to the crusher and to main drive. It includes drive pulley, V-belts and drive cover.
III.	Main drive
IV.	Feeding case with chain protection
V.	Hydraulic station
VI.	Discharge chute

Assembled Crushing Unit