



Chip crushers & chip cutters

Capacity: 150 - 8000 kg per hour

The ideal solution for chip handling problems in mechanical workshops, in the automotive industry, in steelworks and in scrap yards.

Suitable for chips made of:

- carbon steel
- stainless steel
- other steel alloys with a fracture strength up to 1200 N/mm or more
- aluminium alloys
- sponge iron
- titanium
- uranium
- and plastic products, glass etc.



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FILTER

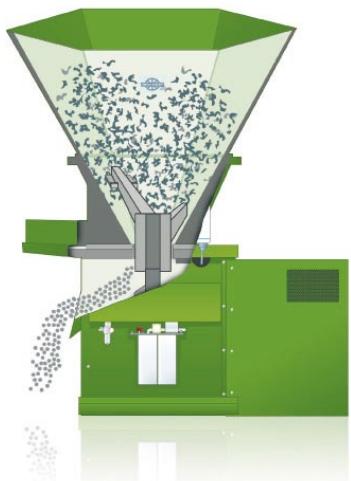
pure. clean.

Technical data

Model	KB10	KB20	KB30	KB49
Continuous capacity*				
steel chips (kg/h)	400-700	800-1000	2000-5000	5000-8000
aluminium chips (kg/h)	150-250	250-350	650-1650	1650-2650
Overall height including hopper (mm)	1200	1915	2980	2955
Space requirements (mm)	580 x 770	740 x 1425	1200 x 1200	2700 x 2200
Motor power rating (kW)**	7.5	15	37	37
Motor speed (rpm)	1440	1440	1470	1470
Net weight including motor (kg)	800	1150	4500	6500
Lubrication	Grease-filled shaft bearings - the gearbox is delivered filled with oil		Central lubrication	
Coarse particle separator	Yes	Yes	Yes	Yes

* The capacity depends on the volumetric weight of the material used and the size and shape of the chips.

** Hydraulic drives upon request



Economic viability

The chips are kept in motion at low speed by the rotary arm, therefore, there is neither knocking nor cutting. This results in low power consumption and low wear rate of crusher components.

Versatility

Loading can be discontinuous by crane, hoist, tipper or forklift trucks and also continuous by conveyors. The crushers accept the chips irrespective of their shape.

Reliability

The crushers are not sensitive when large chip bundles or packs are loaded. Crushers with low motor power handle chip packs reliably.

Low noise level

The sound level of the chip crushers is around the normal workshop level so that installation next to machines and in production shops is usually simple and straightforward.

Coarse particle separators

The crusher is fitted with a split crusher ring in order to prevent coarse particles e.g. rod ends jamming in the tools. If the crusher head is blocked by a coarse particle, the crusher stops automatically and goes into reverse. A section of the crusher ring opens and the coarse particle drops through the opening together with the chips. The crusher stops and then starts forwards again. The opening in the ring is closed by a cylinder.

Operation

The chips go through the hopper into the upper part of the crusher. Inclined steel teeth are fastened to the walls of the conical crusher chamber. The crusher arm with welded-on cutters is located on top of the rotating crusher shaft. A rotating crusher head is mounted on the shaft and an external stationary crusher ring is mounted on the top section as a counterweight.



Crusher chamber with crusher shaft



Liqui FILTER

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