

Crumbler / Cracker.

DFZL



Excellent crumbling and cracking solution. Economic, flexible and robust.



Application

The Buhler crumbler/cracker DFZL is applied in feed manufacturing for crumbling feed pellets and size reduction applications in multistage grinding systems. It is also suited for cracking of oilseeds and for coarse grinding applications in various industries, such as flour milling or biomass.

Efficient and easy operation

The optimum design of the units' size reduction section and main drive allows the Buhler crumbler/cracker to achieve high throughput rates. The feeding system can be easily adjusted to the required throughput rates and ensures equal distribution of material over the full roll length. Roll gap adjustment is done easily, and the product granulation can be checked during operation via integrated sampling device.

High flexibility to meet customer needs

The crumbler/cracker DFZL can be tailored to meet customer-specific process requirements. A modular design of

up to three crushing stages and different roll pair options offer outstanding flexibility. The unit can be equipped with manual (standard) or automatic (optional) roll gap adjustment. The compact design results in a low machine footprint.

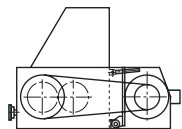
Long service life through robust design

The machine frame of fabricated steel makes the crumbler/cracker extremely durable. The machines' rolls can be refluted several times and are protected from damage by cup springs, resulting in a long service life.

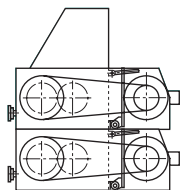
- Efficient and easy operation
- High flexibility
- Long service life

Modular design. Customizable to your needs.

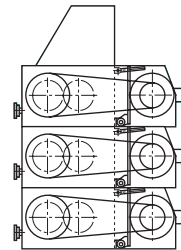
Modular concept



1x Feeder
1x Crushing stage



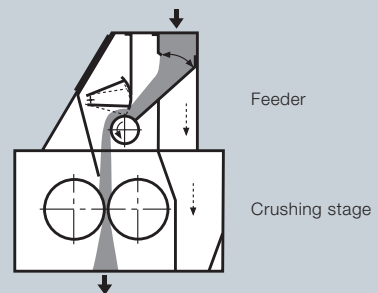
1x Feeder
2x Crushing stages



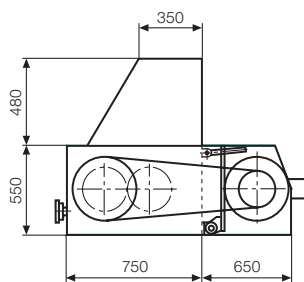
1x Feeder
3x Crushing stages

Mode of operation

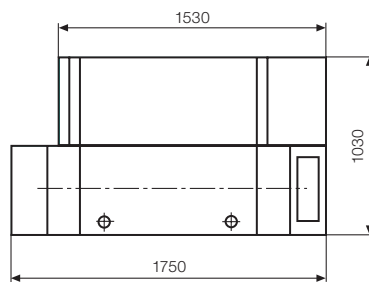
The product is fed to the crushing stage via a segment feed gate and fluted feeder roll. Corrugated rolls with fluting profile tailored to the incoming raw material and end product requirements ensure optimal crushing/cracking results. The required granulation is achieved by adjustment of the roll gap. Visual monitoring of the production process can be done via the integrated sampling device.



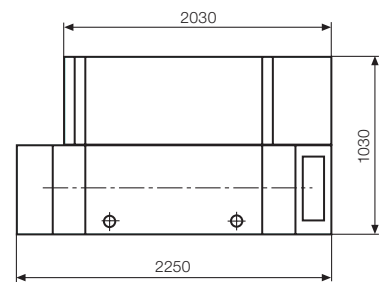
Dimensions in mm



DFZL-1000/1500



DFZL-1000



DFZL-1500

Technical data

Model	Throughput*	Roll dimensions in mm		Motor specifications		
		Diameter	Length	Motor power in kW	Motor speed in min ⁻¹	Feeder motor
DFZL-1000	8–25 t/h	250	1000	7.5/11/15/18.5/22	1000/1200 (50/60 Hz)	0.37 kW
DFZL-1500	15–40 t/h		1500	15/18.5/22/30/37		

* Depending on DFZL model, number of crushing stages, raw material and end product specifications.

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