

Flaking Roller Mill

DOZC



Flaking Roller Mill DOZC.

Flakes shaped to your needs.



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Applied for all kind of flaking applications.

Application

The roller mill is in operation mainly in the vegetable oil industry for the flaking of pre-crushed soya beans. The flaking roller mill can as well be used for the flaking of other oil seeds and grains.

Optionals:

In addition to the standard execution, the following accessories are available:

- mixer in stainless steel
- roll grinding machine
- hydraulic device for removing and replacing the rolls
- stainless steel execution

Function

The product to be processed passes from the feeding and dosing device (A) and the magnet (B) over the product guide plate (C) into the roll gap. The large diameter of the rolls (D) ensures an excellent intake of the product also with large throughput capacities as well as a high quality of the flakes.

The rolls are pressed together hydraulically. The desired thickness of the flakes is set with the hydraulic pressure. For special uses, the roll gap can be set by a fixed stop.

Technical description

The frame of the roller mill is a sturdy, welded steel construction. Special care has been given to the rolls which are the most important parts of this machine. The roll journals are screwed to the high-duty chilled roll jacket. The pressure for the rolls is produced by a hydraulic unit which is part of the roller mill. (Rolls in different qualities are available.)

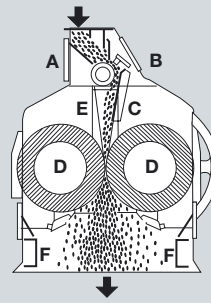
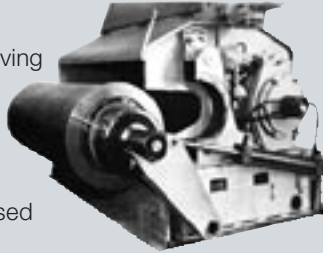
The lateral product sealing system is available in two executions:

- side sealing system with wedge knife (patented), pneumatically operated
- as alternative the traditional plate as wearing part is hydraulically pressed against the rolls

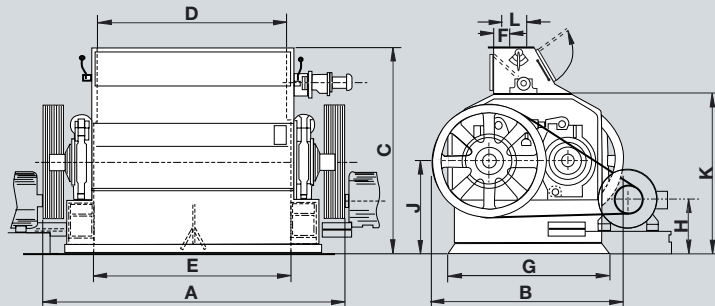
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The most proven solutions.

An optional device for removing and replacing the rolls enables easy roll change. The two tilting supports are hydraulically actuated. The same hydraulic system is used for the roll adjustment.



- A feeding and dosing device
- B magnet
- C product guide plate
- D rolls
- E product guide plate
- F scrapers



Technical data

Rolls	Dimensions in mm/inches												Drive		Approx. weights in kg/lbs.			Volume m ³ /cu.ft		
	Ø	length	A	B	C	D	E	F	G	H	J	K	L	Roller mill kW/HP	rpm	Hydr. pump kW/HP	rpm		net	gross
800	1600	2800	2010	2140	1620	1670	160	1696	600	950	1635	280	1x75/100	1000	0.75/1	1500	14500	15700	16500	24
	63	110	79	84	64	66	6	67	24	37	64	11	1x37/50				31970	34610	36380	848
32	2000	3200	2010	2140	2020	2070	160	1696	600	950	1635	280	1x110/150	1000	0.75/1	1500	17500	18900	19600	26.3
	79	126	79	84	80	81	6	67	24	37	64	11	1x55/75				38580	41670	43210	929
	2150	3350	2010	2140	2170	2220	160	1696	600	950	1635	280	1x110/150	1000	0.75/1	1500	19000	21000	22000	30
	85	132	79	84	85	87	6	67	24	37	64	11	1x55/75				41890	46300	48500	1060

Note: Measurements indicated in metric system are valid.

Two mechanically adjustable scrapers (F) remove the flakes which stick to the roll surface. A backstop prevents excessive friction between the scrapers and the rolls, thus ensuring a minimum wear of the scrapers. The service of the roller mill requires little work. The favourable arrangement of the lubricating points enables all bearings to be greased from the outside during operation. A special grinding device serves to grind the roll without removing the rolls. The rolls are protected from unnecessary wear by means of a level control device that allows operation only when the product is available.

- proven technology
- constant capacity
- easy access to rolls
- less wear and tear parts
- low maintenance
- good sight to product flow

