



Steel Belt Systems

Chemical & Rubber Discharge devices

Standard breaker

In all applications where the flaking of a product is needed, the breaking unit has a primary importance in the production process.

SBS developed two kinds of breakers.

The one for macro-flakes of about 20 mm X 20 mm, with a max. thickness of 10 mm, is called "standard". The heart of the system is represented by the combs and by the breaking rotor. Tolerances and the particular layout of the cylindrical teeth, together with the choice of the rotating speed, allow to obtain a good evenness of flakes.

The presence of a pre-breaking device grants the absence of clogging inside the breaking chamber.

A sturdy body in stainless steel acts as carrying structure for all the elements which are part of the breaker.

A particular care has been put in the choice of solutions allowing a good ergonomics of use, together with operability in complete safety.

The breaking chamber is completely accessible through the opening of a glazed door which is secured against any tampering by means of a safety micro switch. The presence of a dedicated device ensures the immediate stop of the rotating parts at the opening of the door.

As for construction materials, two different materials are available for the rotor and for the combs, in order to obtain an anti-sparkling behaviour also in case of anomalous interferences between the rotating rotor and the comb fixed on the case.

Standard Rotor



Flaked Product





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Dimensions (average) of a sample of flaked product			
mm	%	Mm	%
> 16	1	4 -2,8	1,46
16 – 14	3,2	2,8 - 2	1,24
14 – 13,2	4,05	2-1	1
13,2 – 12,5	22,05	1-0,5	1,2
12,5 – 11,2	25	< 0,5	14,5
11,2 -10	14,13		
10 – 8	4,87		
8 – 5	3,35		
5 – 4	2,95		

Example of installation

