



DOUBLE-ROLLER CRUSHER DRC 200x125

The double roller crusher with smooth rollers DRC 200x125 is designed to crush brittle materials of various strengths.

The operational principle of the double roller crusher is based on simultaneous compressive and shear strains between rollers rotating in opposite directions. The grain size of the crushed material is determined by the gap between the rollers, the compressive force of the springs and the physical properties of the material.

INDUSTRIES



Mining



Metallurgical



Construction



Chemical



DRC 200x125 with control panel and Vibratory feeder **VF 1** on support

CHARACTERISTICS

Charging door dimensions (mm)	100x25
Maximum material feed size (mm)	16
Hardness of material crushed	Up to 7 Mohs units
Distance between rollers (mm)	0-12
Average crushed product particle size at minimum aperture (mm)	90%<0,25
Maximum output (kg/hour)	700
Electric motor power (kW)	2x1,1
50 Hz supply voltage (V)	380
Receiving container volume (L)	6,6
Overall dimensions (mm) (Length x Width x Height)	680x400x950
Weight without / with Control panel (kg)	245/250
Roller material: tool steel	AISI 1066, AISI 01, DIN 150Cr14



VIBROTECHNIK

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ROLLER CRUSHER DRC 200X125

ADVANTAGES

- Effective capture of the material particles is ensured by the differing speed of the rollers;
- The adjusting mechanism makes it possible to ensure a uniform gap between the rollers;
- The spring unit protects the crusher against breakage when an unbreakable object falls into it, while adjustment of the compressive force of the springs reduces overmilling of the material crushed;
- The side walls of the crushing chamber are protected by adjustable fluoroplastic liners that limit spillage of the material from the ends of the rollers;
- The quickly removable loading funnel and crushing chamber housing simplify maintenance and cleaning;
- The material feed rate is adjusted using
 - a sliding gate on the loading hopper;
 - Vibratory feeders VF 1 or VF 2.

APPLICATIONS

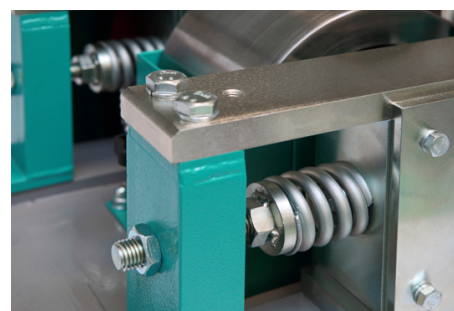
Granite, marble, diatomaceous earth, granodiorite, limestone, aluminum oxide, flux, glass, PVC, sugar.



Rollers and fluoroplastic liners



Force adjusting spring unit



Moveable roller adjustment unit

Crushing on DRC 200X125

Materials: Granite <5,0 mm
Output: 60 kg/hour

