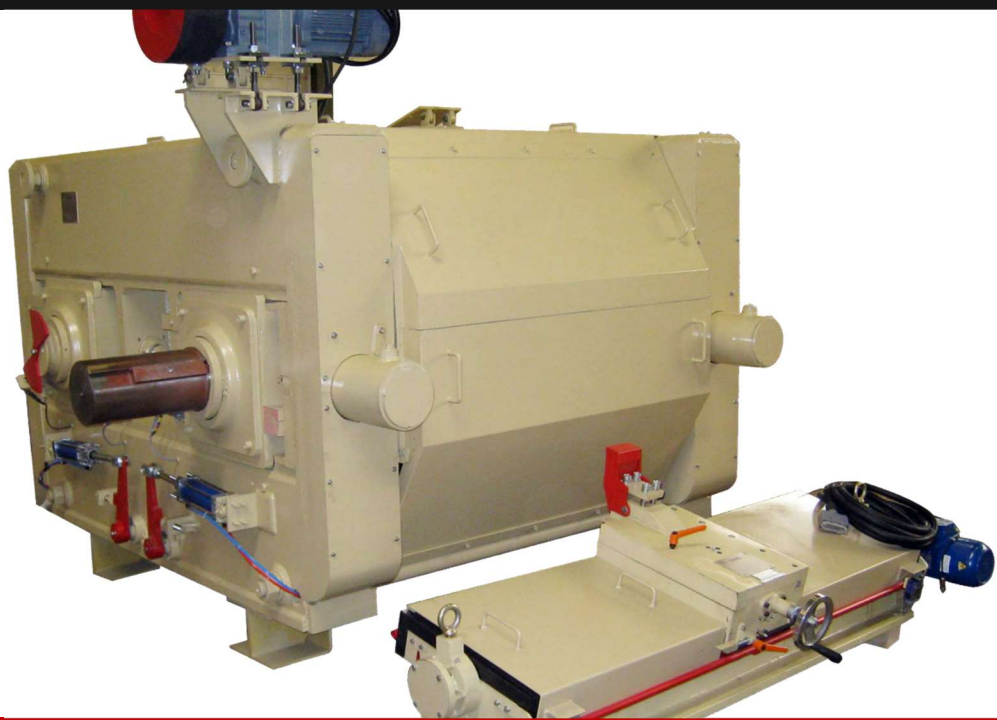


Grinding by lamination

ROLLER CRUSHER

R Type

PELERIN
Preparation et Fabrication



THE ROLLER CRUSHER FOR CLAYS GRINDING AND SLABBING.

It is mainly made up of :

- Two casing supporting the rotating equipment.
- **Motors and crushing rolls drive shafts.**
- Two counter-rotating crushing rolls.
- **Electric and automatic-control equipment.**

Technical Characteristics - Example 6R11

Rolls' diameter	1100 mm
Rolls' width	1100 mm
Rolls' rotation speed	195/250 rpm
Rolls' installed power	According to the flow
Adjustable spacing between rolls	0.8 - 1.2 - 3 mm
Maximum flowrate	27 - 51 - 129 m ³ /h
Total net weight	18 000 kg
Binding thickness	110 mm
Recommended wear on each binding	70 mm
Binding hardness	500/550 Brinell

Technical Specification

- **One-piece steel welded structure equipped with 4 tie rods transferring the stress transmitted by the crushing rolls.**

Highly dimensioned shafts working with two-row roller balls and socket joint bearings, mounted on mobile steel boxes completely water-proof, with a range of seals protected with interchangeable rectified collars.

- **Crushing rolls equipped with chilled casting shells nickel-chrome-molybdenum alloy. Shells mounting is performed by conic fitting on split clamping rings. Easy replacement without dismounting bearings nor hubs.**

2 steel scrapers manganese alloy to clean the crushing rolls.

- **Crushing rolls drive by individual motor and pulleys with V-belts.**

Mechanical security ensured by iron cast rupture disk and roller backward movement.

Options

- **Transmission by hydraulic coupling.**
- Hydraulic security made up of 2 hydraulic actuators and a hydraulic accumulator (from 5R6 type).
- **Motorized adjustment of the distance between bindings.**

Range

Type	Roll's diameter (m)	Crushing rolls' width (m)	Installed power (kW)	Maxi flowrate (m ³ /h) 10mm/1mm	Net weight (kg)
3R6	0.600	0.600	30 to 45	25/6	3 600
4RR6	0.770	0.600	37 to 45	35/7	5 300
5R6	1,000	0.600	37 to 75	80/8	12 300
5RR8	1,020	0,800	37 to 90	225/18	11 000
5RR10	1,020	1,000	37 to 110	280/22	12 300
6R11	1,100	1,100	55 to 132	330/27	18 000

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