

The different way of crushing

Proven quality – great flexibility – easy operation

The material is crushed by pressure and shear forces generated by high rotor torques at a low circumferential speed. Fines are passing the rolls without being crushed by falling through the gap between the rolls. Therefore the specific power consumption, the wear rate and the fines content in the final product are considerably lower compared to other crushing systems. thyssenkrupp CenterSizers are used for primary and secondary crushing.

Features

Compact design resulting in a low overall height

- Suitable to be easily integrated into existing plants

Excellent grip

- According to application harmonized roll distance, number and geometry of teeth

Crushing rolls with exchangeable tooth picks

- Quick and easy exchange of tooth picks
- High durability because of wear resistant steel
- Optimized shape of the tooth tip

Optional breaker bar available

- Increased crushing ratio
- Adjustable height of the breaker bar
- Perfect balance of capacity and product size

Drive concept

- Customized heavy duty gear boxes
- Good accessibility
- Easy maintenance

Monitoring devices

- Proper functioning is monitored by speed and temperature sensors

Housing and base frame

- Wear protection plates inside the crushing chamber
- Crushing forces are absorbed within the machine frame

Automatic grease lubrication unit

- Lubrication for bearings and labyrinths
- Lubrication system is monitored



RollSizer DRS 1000 x 2250 C (B) CenterSizer for Coal

Technical Specification

General data

Materials:	Coal, lignite etc.
Maximum feed size – 3 teeth:	0 – 1,400 mm edge length
– 4 teeth:	0 – 1,000 mm edge length
Product size – without breaker bar:	0 – 400 mm
– with breaker bar:	0 – 300 mm
Capacity:	up to 2,250 t/h

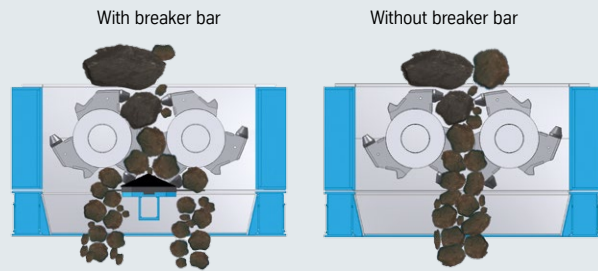
Crusher

Type of RollSizer:	CenterSizer
Roll distance:	1,000 mm
Roll length:	2,250 mm
Type of teeth:	Exchangeable tooth picks
Number of teeth rows per roll:	3 or 4, depending on feed size
Breaker bar:	Optional
Feed opening dimensions (L x W):	2,260 mm x 2,280 mm
Main dimensions (l x w x h):	
– without breaker bar:	5,770 mm x 3,550 mm x 1,625 mm
– with breaker bar:	5,800 mm x 3,550 mm x 1,625 mm
Total weight – without breaker bar:	up to 44 mt
– with breaker bar:	up to 49 mt

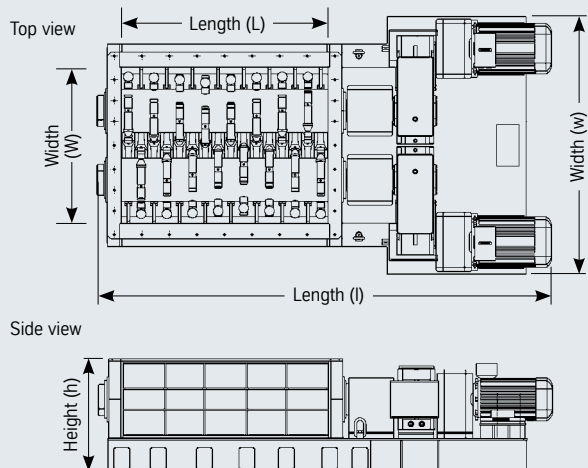
Drive

Drive concept:	Mechanical double drive arranged on one side
Motor power – without breaker bar:	2 x 132 kW
– with breaker bar:	2 x 160 kW

Crushing principle



Main dimensions



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