

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

Pre-screening effect

- Saving of energy
- Reduction of wear
- Low generation of fines

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 800 x 3000 C CenterSizer for Coal

Technical Specification

General data

Materials:	Coal, lignite etc.	
Maximum feed size	- 3 teeth:	0 – 1,200 mm edge length
	- 4 teeth:	0 – 800 mm edge length
Product size	- 3 teeth:	0 – 300 mm
	- 4 teeth:	0 – 250 mm
Capacity:	up to 1,800 t/h	

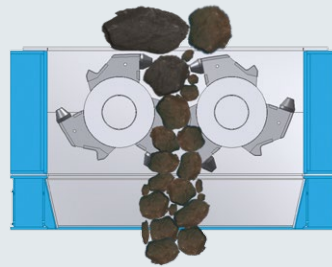
Crusher

Type of RollSizer:	CenterSizer
Roll distance:	800 mm
Roll length:	3,000 mm
Type of teeth:	Exchangeable tooth picks
Number of teeth rows per roll:	3 or 4, depending on feed size
Feed opening dimensions (L x W):	3,000 mm x 1,800 mm
Main dimensions (l x w x h):	6,600 mm x 3,345 mm x 1,420 mm
Total weight:	up to 43 mt

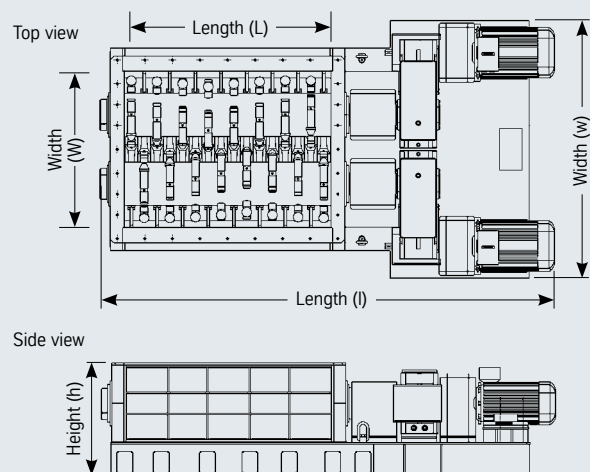
Drive

Drive concept:	Mechanical double drive arranged on one side
Motor power:	2 x 132 kW

Crushing principle



Main dimensions



Contact

thyssenkrupp Industrial Solutions AG
Resource Technologies

Graf-Galen-Straße 17
59269 Beckum, Germany
Phone: +49 2525 99-0
E-mail: smb.tkis-rt@thyssenkrupp.com
www.thyssenkrupp-industrial-solutions.com

Sales representative

© 2016 Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustration purposes only. The operation values are considered to be approximate and will be finally determined on the basis of the specific task and the material characteristics. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and thyssenkrupp makes no other warranty of accuracy, reliability, completeness, merchantability or fitness for any purpose, express or implied. Products and services listed may be trademarks, service marks or trade-names of thyssenkrupp and/or its subsidiaries in Germany and other countries. All rights are reserved.