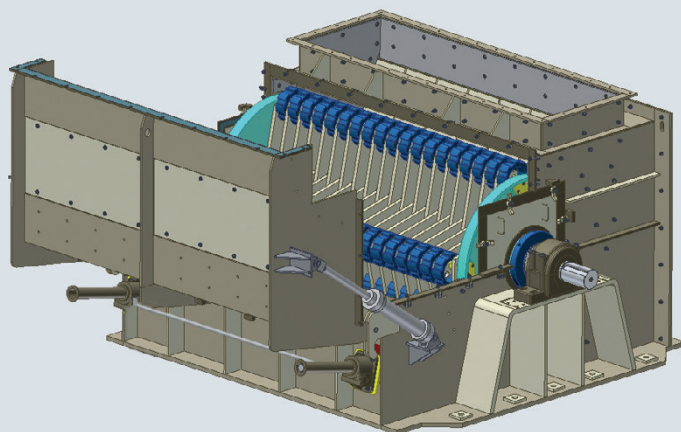


# Ring Hammer Mill RHM 1224



Effective coal  
crushing with a  
minimum of fines

## Proven quality – high reliability – easy operation

thyssenkrupp Ring Hammer Mills – also known as Ring Granulators – are mainly used for crushing of coal in thermal power stations. The material is crushed initially by impact with ring hammers and in a further step by rolling compression between the ring hammers and screen cage plates before it is squeezed through the screen slots. Ring Hammer Mills provide consistent product sizes with less wear, less fines and less energy consumption.

## Features

### Crushing chamber

- Impact zone designed for easy entrance of material
- Perforated screen cage with defined slots for constant product
- Externally during operation adjustable gap between screen cage and hammer circle for product optimization and wear compensation

### Crusher rotor

- Operation at optimized rotor speed to minimize wear and avoid generation of excessive fines
- Rotor discs keyed to shaft with large size ring hammers with tooth or plain profile
- Ring hammers supported between the discs in double suspension bars for optimum crushing forces and uniform wear
- Quick replacement of hammers

### Tramp iron box

- Uncrushable material gets collected at the tramp iron box
- Easy access to remove tramp iron via maintenance doors

### Housing

- Heavy duty dust tight fabricated enclosure with abrasion resistant liners
- Eye bolted connections for easy maintenance access
- Hydraulically hinged housing section for quick inspection and hammer replacement

### Drive concept

- Direct drive with hydraulic coupling
- V-Belt drive available as an option

### Operational safety features

- Screen cage is designed in a way that avoids clogging
- Operation is monitored by rotor speed, vibration and temperature sensors on the bearings

# Ring Hammer Mill RHM 1224

## General data

Materials:	Coal, lignite, soft limestone, gypsum etc.
Compressive strength:	up to 80 MPa
Maximum feed size:	0 – 400 mm edge length
Product size:	0 – 20 mm 0 – 30 mm 0 – 40 mm
Capacity:	0 – 20 mm: up to 950 t/h 0 – 30 mm: up to 1,050 t/h 0 – 40 mm: up to 1,430 t/h

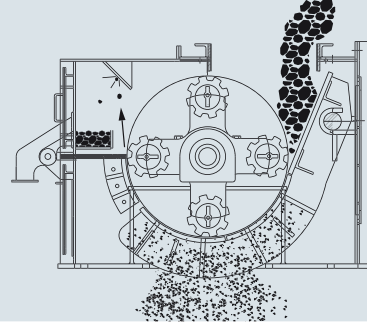
## Crusher

Type of Ring Hammer Mill:	RHM 1224
Rotor diameter x width:	1,220 mm x 2,390 mm
Feed opening dimensions:	640 mm x 2,390 mm
Speed:	750 rpm
Main dimensions (l x w x h):	3,930 mm x 2,700 mm x 1,630 mm
Total weight (without drive and motor):	up to 17 mt

## Drive

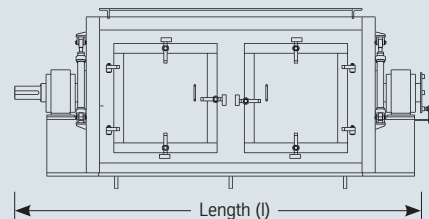
Drive concept:	Direct drive with hydraulic coupling
Motor power:	up to 550 kW

Crushing principle

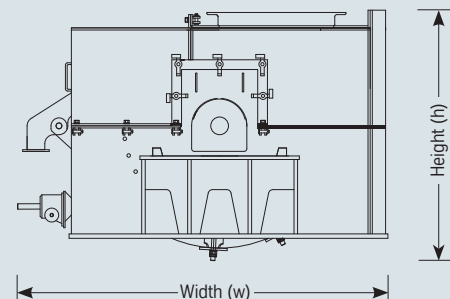


Main dimensions

Front view



Side view



## Contact

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Sales representative

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