

# High-pressure grinding rolls Metso HRC™ 8

## Manufactured sand

Metso HRC™ 8 takes manufactured sand to the next level by providing a simple yet robust design, a low cost of operation, and improved product shape and gradation. Metso HRC8 turns difficult-to-crush feed materials into valuable end products with minimal cost.



### Safer and more efficient production

Metso HRC8 is based on high-pressure grinding roll (HPGR) technology and is optimized for the demanding requirements of aggregates production. The patented Metso Arch frame differentiates from traditional HPGR equipment with its anti-skewing features.

HRC8 provides an optimal crushing force with the use of adjustable hydraulic cylinders and variable speed. High-pressure rock-on-rock crushing enables long wear life of the manganese tires and energy-efficient operations.

The patented split shaft allows for the tires to be replaced quickly, without full machine disassembly, making the changeout of wear components easy and effortless.

#### • Excellent shape

HRC8 provides a perfectly cubical shape for concrete and asphalt

#### • Adjustable gradation

Adjusts speed and pressure to vary throughput and product size

#### • Less microfines

Produces more fines with less unwanted microfines

#### • Low operating costs

Energy-efficient operation and low wear rate of wear components

#### • Accepts difficult feed materials

Humidity, fine feed, hard rock

#### • Easy installation

Easy to install and use thanks to compact dimensions and simple design

#### • Environmentally friendly

Minimized noise and dust emissions

### Technical specifications

Power	2 x 75 kW (2 x 100 hp)
Max feed size	32 mm (1 ¼")
Nominal speed	Up to 32 rpm
Operating pressure	Up to 100 bar (1 500 psi) 2.5 N/mm <sup>2</sup>
Unit weight	11 000 kg (24 250 lbs)
Roll diameter and width	800 x 500 mm (31' 6" x 19 5/8")
Crusher dimensions (l x w x h)	2 400 x 3 500 x 1 600 mm (95" x 138" x 63")
Sand production from 25 mm (1") feed	Up to 80% in open circuit