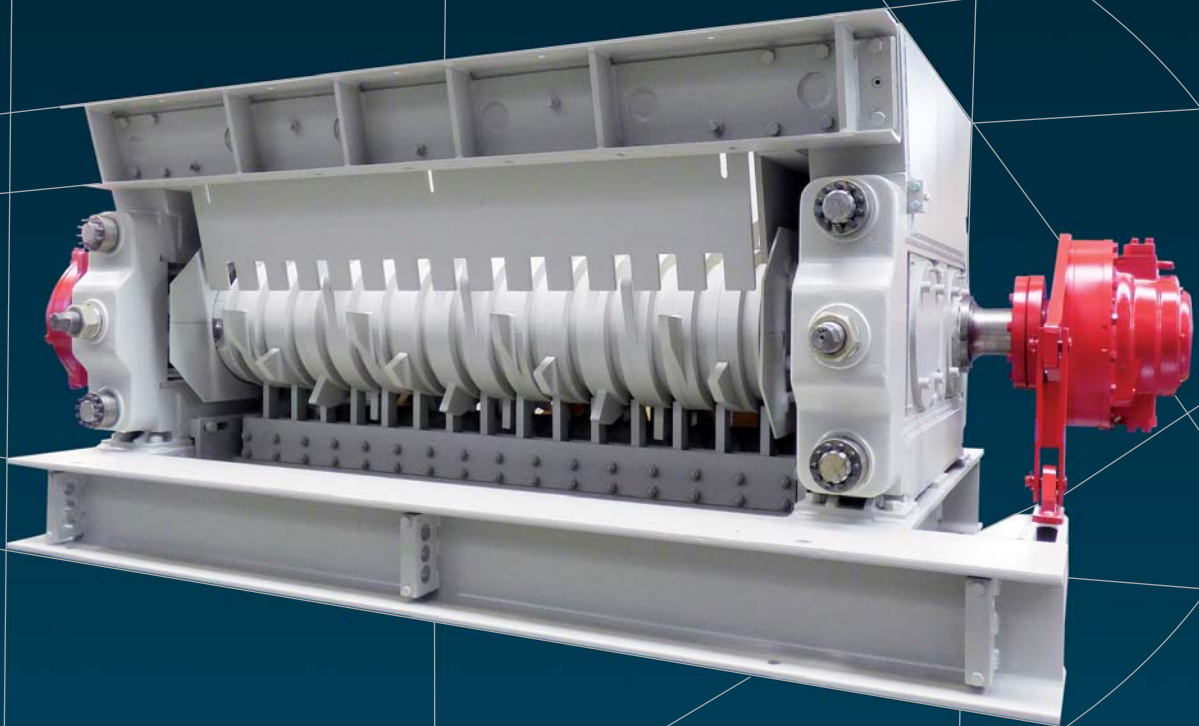


Optimal primary size reduction of soft and hard,
moist and dry clods of clay with or without rocks
exhibiting Mohs' hardness levels up to 6.

Roller crushers

WMM/ WMH



The HÄNDLE roller crusher series

Roller crushers render cloddy raw materials meterable and prepare them for effective further processing in downstream equipment. Size reduction is achieved by application of pressure and shear forces between two slowly rotating rollers equipped with one-piece toothed disks or individually replaceable knives. HÄNDLE makes two basic types of roller crushers: the WMH with hydraulic drive and the WMM with mechanical drive. The WMM models have advanced drives

with modern conical spur gears and flanged-on motors.

For raw materials containing substantial amounts of hard rock inclusions, reverse mode is recommended, and hydraulic crushers are particularly good at that. The size of the crusher depends on the throughput and on the nature of the mill feed. Each crusher comes mounted on a base frame for easy installation.

Defining characteristics

- Infinitely adjustable roller clearance, for roller gaps between approx. 5 and 100 mm
- Made-to-measure, wear-optimized knife disks and knife configurations
- Infinitely adjustable drives
- Overload protection via modern conical spur gears (type series WMM) and reverse mode (type series WMH)
- Low maintenance requirement and little wear thanks to for example large-dimensioned shafts running in high-performance self-aligning roller bearings
- Several options for optimally customer-specific solutions



Knife disks on a type WMH 818a roller crusher

Technical data

TYPE	Roller diameter/length mm	Inclusion hardness up to approx. Mohs	Feed size mm	Final size ¹ mm	Volumetric throughput ² m ³ /h compact	Throughput capacity ² t/h wet	Power requirement kW
WMM 412a	430 / 1200	5	600 x 500 x 400	100 x 60 x 30	75	100	2 x 37
WMM 416c	430 / 1600	5	600 x 500 x 400	100 x 60 x 30	100	135	2 x 45
WMM 618f	600 / 1800	6	800 x 600 x 500	100 x 80 x 40	170	230	2 x 75
WMM 818b	920 / 1860	6	1000 x 600 x 500	100 x 80 x 40	300	405	2 x 90
WMH 416b	430 / 1600	5	600 x 500 x 400	100 x 60 x 30	100	135	75
WMH 618a	550 / 1820	6	800 x 600 x 500	100 x 80 x 40	170	230	110
WMH 818a	920 / 1860	6	1000 x 600 x 500	100 x 80 x 40	300	405	200

Hardness of base material: 4 Mohs

¹ Final size depending on feedstock and roller gap

² Volumetric throughput and throughput capacity depending on feedstock, approx. 50 mm roller gap, type of loading and proportion of impurities

Subject to technical modification due to ongoing development.