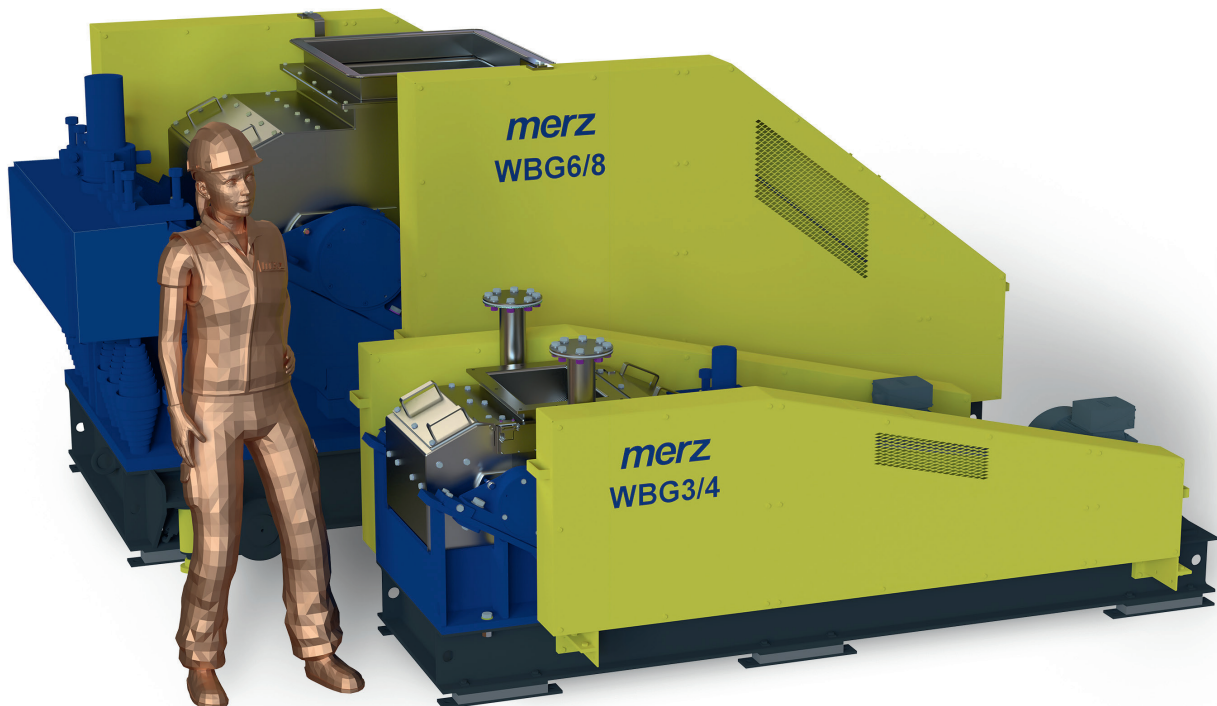


Crushing



ROLLER CRUSHER WBG

- Coarse crushing with consistent crushinggap settings
- Suitable for a wide range of rough and hard materials from Abrasives to Urea
- Throughput capacity up to 150 t/h*
- Feed grain size up to 350 mm*
- Target grain size from 2 mm*
- Crushing ratio 10:1, for example feed grain size of 100 mm, target grain size 10 mm*
- Roller diameter from 350 to 1000 mm
- Roller width from 300 to 1600 mm
- Motor power input from 7 to 55 kW

Standard scope of delivery

- Sturdy welding construction made from normal steel S235JR
- Protection against foreign objects via one spring loaded roller
- Roller material C45, surfaces hardened to HRC 56-58
- Smooth roller surface
- Four-part mill casing, closed
- Material inlet and outlet adapted to upstream and downstream process
- Dust output minimised using dust slide with seal and suction
- Crushing gap adjustment via shock absorbers
- Motor 400 V, 50 Hz, 3p, IP55, suitable for frequency inverter operation
- Dust exhaust connection (2 x 80 mm diameter, volume flow 360 m³/h)
- Roller speed monitoring (sensors without evaluation)
- Wiring up to terminal block (on machine)

Options

- Material feed available as e.g. vibration chutes or bunkers
- Material outlets via screeners, vibration chutes
- Crushing cycle with return feed
- Profiled roller surface
- Roller material can be chosen in line with your requirements
- Stainless steel lining, wear-resistant
- Motors in special voltages
- Explosion-proof model (mechanical and electric)
- Protective gas flooding
- Roller cooling for removing heat from material and crushing process
- Automated bearing lubrication
- Doctor blade for “cleaning” rollers
- Reversing feature
- Wiring up to customers cabinet or complete controls
- Special paint

Roller crusher	Feed grain size*	Throughput capacity*	Roller diameter	Roller length	Power input*	Length	Width	Height	Weight
Type	[mm]	[t/h]	[mm]	[mm]	[kW]	[mm]	[mm]	[mm]	[t]
WBG 3/	≤ 80	≤ 50	350	300 - 1300	7 - 22	2800	1000 - 1800	1000	2 - 4
WBG 5/	≤ 100	≤ 50	500	300 - 1300	11 - 30	3000	1000 - 1800	1100	3 - 8
WBG 6/	≤ 200	≤ 150	650	300 - 1600	15 - 45	3800	1000 - 2000	1400	8 - 13
WBG 8/	≤ 250	≤ 150	800	300 - 1600	18 - 55	4300	1000 - 2000	1852	8 - 16
WBG 10/	≤ 350	≤ 150	1000	300 - 1600	22 - 55	4500	1000 - 2000	2200	8 - 21

*Values subject to material, feed spectrum, crushing gap, roller width, etc.

Please contact us to arrange a test for your material in our technology centre.