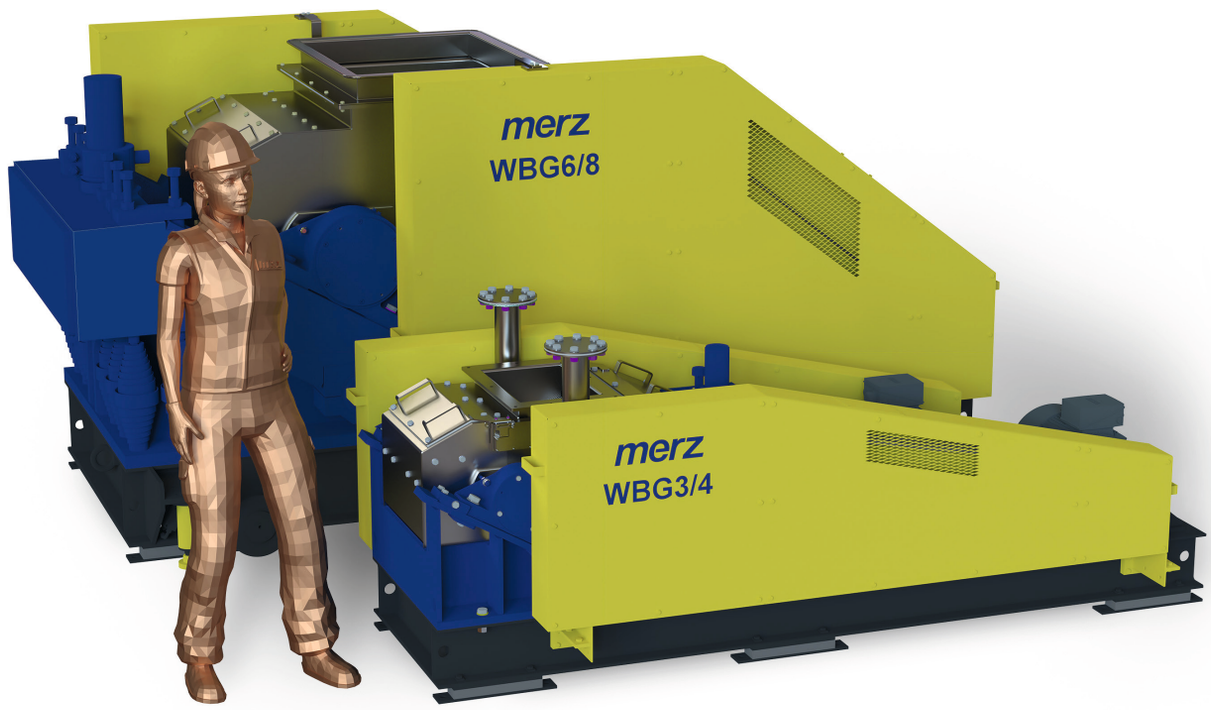
Merz Aufbereitungstechnik GmbH

Industriestr. 29
79787 Lauchringen
Germany

Tel.: +49 (0) 77 41 / 68 26 - 0
Fax: +49 (0) 77 41 / 68 26 - 99

info@merz-aufbereitungstechnik.de
www.merz-aufbereitungstechnik.de



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

- Solid welded construction made of mild steel S235JR
- Protection against foreign objects and overload
- Roller material C45, surface-hardened to HRC 56-58
- Smooth roller surface
- Four-part mill housing, closed
- Material inlet and outlet adapted to upstream and downstream process
- Dust leakage minimized via dust slide with seal and dedusting system
- 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 m^3/h)
- Roller speed monitoring (sensors without evaluation)
- Wiring to terminal block (on machine)

Options

- Material feed via vibrating chutes or bunkers
- Material discharge via sieves or vibrating chutes
- Crushing cycle with recirculation
- Profiled roller surface
- Roller material according to your requirements
- Wear-resistant lining
- Motors with special voltages
- Explosion protection design (mechanical and electrical)
- Flodding with protective gas
- Roller cooling to remove heat from the feed material and crushing process
- Bearing lubrication via automatic system
- Scraper blade for “cleaning” the rollers
- Wiring up to customer’s control cabinet or complete control system
- Special paint finish
- Contamination free processing

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 for a test of your material in our technical centre.