

Designed to precisely crush to product size and with maximum yield

Our heavy-duty Gundlach Crushers roll crushers are designed with breakthrough 3-D crushing technology that includes intermeshing continuous tooth roll design and positive roll timing that delivers the industry's best dimensional product control. Gundlach roll crushers provide higher quality cubical product, minimal fines and consistently repeatable performance for sizing lime, limestone, fertilizer, salts, friable ores and materials, clay, industrial minerals, coke, and coal.

Dozens of roll configurations available to meet your specific application needs.

Advantages

- Only crusher able to product cubical product with uniform sizing and less fines
- Slow roll speed, low horsepower - reduces power consumption and operational costs
- Accepts large feed sizes up to 1200 mm
- Minimal fines generation
- Excellent top size control without slabbing
- Throughput can range from 10 TPH up to over 6000 TPH
- Product size adjustment in a few minutes while crusher is running
- Optional Nitroil® Tramp Metal Protection System
- Ease of maintenance through features such as coupling mounted rolls that can be replaced in hours
- Flexible machine configurations for maximum control of product size

Features

Wide Base

Positions main bearings away from source of dirt and moisture.

Main Bearings

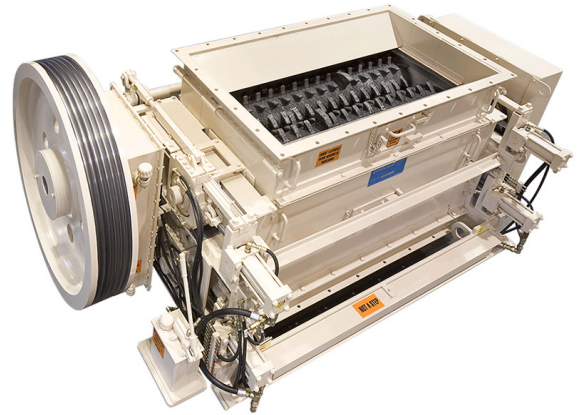
Self-aligning, anti-friction roller bearings.

Alignment Assemblies

Maintain parallel position through full adjustment range.

Adjustment Assemblies

Enclosed from dirt and moisture. Designed for easy adjustment.



Secondary Drives

Provide maximum torque transmission between lower and upper drive shafts.

Gearboxes

Creates positive timing of crusher rolls. Units maintain constant relationship of one roll to the other, regardless of position, and transmit full horsepower.

Coupling Mounted Rolls

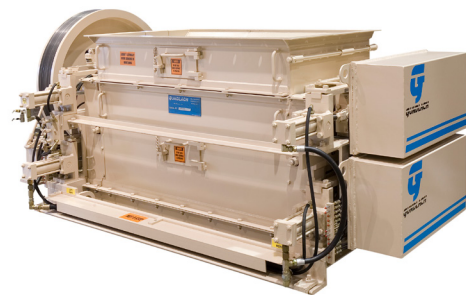
Facilitate quick and easy changing with minimal downtime. Serve as slingers to protect main bearings from water and dirt.

Upper Rolls - Chisel tooth with intermittent grab teeth

Efficiently grabs lumps and then pre-breaks and feeds material to lower rolls.

Lower Rolls - Continuous tooth design

Grab pre-crushed product of upper rolls and reduce material to final desired product size.



Gundlach Multi-Roll Crushers

Durable crushers built for easy maintenance

Split Housing and Base Frame

Split into four or eight piece sections for easy removal and maintenance. Heavy structural steel plate with lifting lugs provided for safe handling. Inlet and discharge connections are pre-drilled.

Roll Removal Rails

Supplied for fast, easy roll change.

Roll Timing Gearbox

Enclosed for ease of maintenance.

Lubrication

Standard Dual-Bulkhead Lubrication System groups all grease fittings in two convenient locations. Semi-automatic or fully automatic systems from a single grease source are also available.

Coupling Mounted Rolls

Designed to enable quick changeouts without disturbing main bearings.



Technical Details

2000 Series

- 330 mm to 380 mm diameter rolls (13" to 15")
- Roll face up to 1525 mm (60" wide)
- For sizing materials with compressive strength up to 55 Mpa (8,000 PSI). Excellent for breaking and sizing flake.

3000 Series

- 330 mm to 380 mm diameter rolls (13" to 15")
- Roll face up to 2030 mm (80" wide)
- For sizing materials with compressive strength up to 83Mpa (12,000 PSI).

4000 Series

- 610 mm (24") and 762 mm (30") diameter rolls
- Roll face up to 2540 mm (100") wide
- For sizing materials with compressive strength up to 124 Mpa (18,000 PSI). Perfect for sizing raw ore.

5000 Series

- 762 mm (30") and 915 mm (36") diameter rolls
- Roll face up to 3050 mm (120") wide
- For sizing materials with compressive strength up to 152 Mpa (22,000 PSI).

Contact your local sales representative to learn more about the benefits of a long-term partnership with TerraSource Global and our first-class service.

