ASTEC®

Gundlach Crushers™ Multi-Roll Crushers

2050D Series

The Industry's Most Recognized Turn-Key Waste Cuttings Management Solution

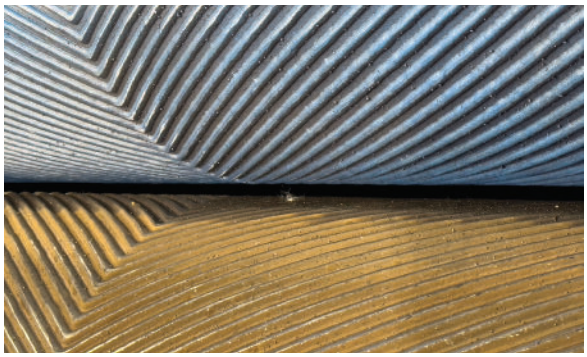
Multi-Roll Crushers

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



Herringbone Teeth Rolls

First in 3-D CRUSHING

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.

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.

Designed to precisely crush to product size and with maximum yield

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 and 762 mm diameter rolls (24″ and 30″)
- 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 and 915 mm diameter rolls (30″ and 36″)
- Roll face up to 3050 mm (120″) wide
- For sizing materials with compressive strength up to 152 Mpa (22,000 PSI).

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. for ease of maintenance.

Coupling Mounted Rolls

Designed to enable quick changeouts without disturbing main bearings.

4080D Series

ASTEC®

Multi-Roll Crushers Model Specifications						
Model	**Horsepower**	**Roll Length**	**Roll Dia.**	**Standard Roll Speed**	**Drive Shafts**	**Main Bearings**
2020S	Min 20 Max 75	19"	14" to 16"	225 – 300 RPM	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2030S	Min 20 Max 75	29"	14" to 16"	225 – 300 RPM	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2040S	Min 20 Max 75	39"	14" to 16"	225 – 300 RPM	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2050S	Min 20 Max 75	49"	14" to 16"	225 – 300 RPM	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2060S	Min 20 Max 75	59"	14" to 16"	225 – 300 RPM	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2020D	Min 20 Max 75	19"	14" to 16"	300 RPM upper 360 RPM lower	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2030D	Min 20 Max 75	29"	14" to 16"	300 RPM upper 360 RPM lower	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2040D	Min 20 Max 75	39"	14" to 16"	300 RPM upper 360 RPM lower	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2050D	Min 20 Max 75	49"	14" to 16"	300 RPM upper 360 RPM lower	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
2060D	Min 20 Max 75	59"	14" to 16"	300 RPM upper 360 RPM lower	2-15/16" dia. high strength steel	2-15/16" bore double-row spherical roller
3020S	Min 30 Max 200	19"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3030S	Min 30 Max 200	29"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3040S	Min 30 Max 200	39"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3050S	Min 30 Max 200	49"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3060S	Min 30 Max 200	59"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3070S	Min 30 Max 200	69"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3080S	Min 30 Max 200	79"	14" to 16"	250 – 360 RPM	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3020D	Min 50 Max 200	19"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3030D	Min 50 Max 200	29"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3040D	Min 50 Max 200	39"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3050D	Min 50 Max 200	49"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3060D	Min 50 Max 200	59"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3070D	Min 50 Max 200	69"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
3080D	Min 50 Max 200	79"	14" to 16"	300 – 390 RPM upper 225 – 300 RPM lower	3-15/16" dia. high strength steel	3-15/16" bore double-row spherical roller
4020S	Min 100 Max 350	20"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4040S	Min 100 Max 350	40"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4060S	Min 100 Max 350	60"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4080S	Min 100 Max 350	80"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4100S	Min 100 Max 350	100"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4020D	Min 100 Max 350	20"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4040D	Min 100 Max 350	40"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
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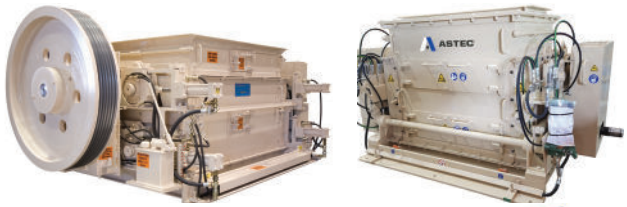
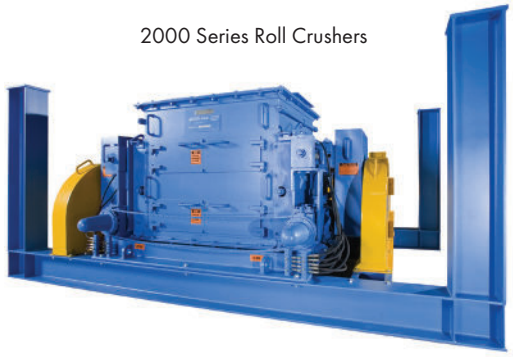
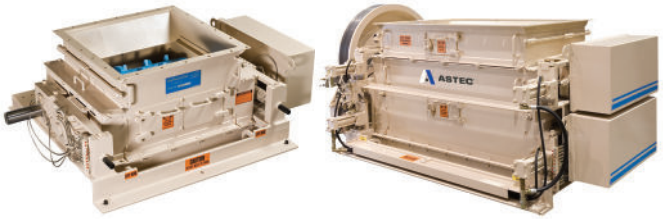
4080D	Min 100 Max 350	80"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
4100D	Min 100 Max 350	100"	19-3/4" to 30"	215 – 375 RPM	4.331" dia. high strength steel.	150mm bore double-row spherical roller
5020S	Min 150 Max 500	20"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5040S	Min 150 Max 500	40"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5060S	Min 150 Max 500	60"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5080S	Min 150 Max 500	80"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5100S	Min 150 Max 500	100"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5120S	Min 150 Max 500	120"	30" to 36	215 – 390 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5020D	Min 250 Max 500	20"	30" to 36	215 – 375 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5040D	Min 250 Max 500	40"	30" to 36	215 – 375 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5060D	Min 250 Max 500	60"	30" to 36	215 – 375 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5080D	Min 250 Max 500	80"	30" to 36	215 – 375 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller
5100D	Min 250 Max 500	100"	30" to 36	215 – 375 RPM	180mm dia. high strength steel	190mm bore double-row spherical roller



2000 Series Roll Crushers





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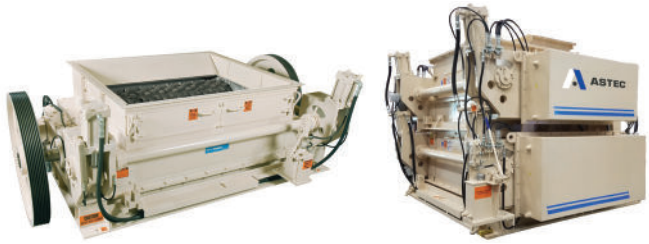

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