



Fully Modernized & Turbocharged TC51 Turbocone Crusher

Engineers and Manufacturers of Washing, Vibrating and Crushing Equipment

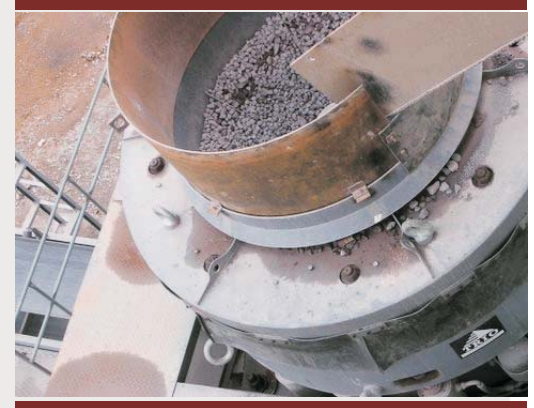
Description

Trio offers you a fully modernized and “Turbocharged” TC51 Turbocone crusher. In addition to the ruggedness and reliability of the bushing design, the Turbocone has all of the advanced features in demand in modern cones. Most of the commonly used parts are 100% interchangeable between the Turbocone and other popular cones.

The TC51 Turbocone crusher is re-engineered with useful features such as Tramp Release & Clearing, Full Balance, Improved Hydraulic Clamp and Adjust and Improved Packaged Lube System. In addition, the crusher is “Turbocharged” with a special design to accept 25% more power to increase its capacity by up to 20%.

Benefits

- The ability to up horsepower by 25% provides capacity increases of up to 20%.
- Use the extra horsepower to get more throughput and/or finer products.
- Designed for full automation.
- Hydro-Pneumatic overload relief and clearing system increases the up time of the crusher and provides safe unplugging of a jammed cavity.
- Variable speed capabilities to optimize the performance of the crusher depending on product demand and shape requirements. Higher speed operation improves product cubicity.
- Improved reliability of the Lube and Hydraulic components increases uptime and reduces maintenance requirements.



Applications

- Hard Rock
- Limestone
- Recycling

Other Considerations

- One Year Warranty
- Quick Deliveries
- Off-the-shelf parts
- Nationwide distribution
- Superior Quality
- Low Price Guarantee

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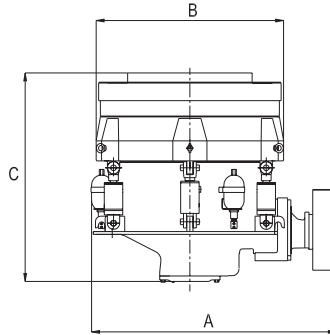
Trio Engineered Products, Inc. 128 Schabarum Avenue • Irwindale, CA 91706

Ph: (626) 851-3966 • Fx: (626) 851-9526 Web: www.trioproducts.com Email: info@trioproducts.com



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Liner Selection

Liner Type	Secondary		Tertiary	
	Min. Setting	Feed Open (OS)	Min. Setting	Feed Open (OS)
Ex-Coarse	1" (25 mm)	10 3/8" (260 mm)	5/8" (16 mm)	5 1/4" (135 mm)
Coarse	3/4" (19 mm)	9 5/8" (240 mm)	5/16" (8 mm)	4 1/8" (105 mm)
Medium	5/8" (16 mm)	8 1/4" (210 mm)	1/4" (6 mm)	3 1/2" (90 mm)
Fine	1/2" (13 mm)	5 3/8" (140 mm)	1/8" (3 mm)	2 1/2" (65 mm)

Note : Maximum feed size should be 80% of the open side(OS) feed opening

Open Circuit Maximum Capacities

THP	Closed Side Setting - Inches(mm)								
	1/4" / 6mm	3/8" / 10mm	1/2" / 13mm	5/8" / 16mm	3/4" / 19mm	1" / 25mm	1 1/4" / 32mm	1 1/2" / 38mm	2" / 50mm
Short	105	135	175	215	265	280	320	375	470
Metric	95	125	160	195	240	255	290	340	425

Product Gradations – Percent Passing

Note: Figures for 1/4" to 3/4" Closed Side Settings are for closed circuit application and the rest are for the open circuit application

Product Size	Closed Side Setting - Inches(mm)								
	1/4" / 6mm	3/8" / 10mm	1/2" / 13mm	3/4" / 19mm	1" / 25mm	1 1/4" / 31mm	1 1/2" / 38mm	2" / 50mm	
4" (100 mm)									100
3" (75 mm)							100	90	
2 1/2" (64 mm)						100	90	80	
2" (50 mm)					100	90	80	65	
1 1/2" (38 mm)				100	90	80	65	50	
1 1/4" (32 mm)				90	80	65	50	30	
1" (25 mm)			100	85	65	51	30	24	
3/4" (19 mm)		100	85	65	49	31	24	17	
1/2" (13 mm)	100	85	65	49	30	24	17	12	
3/8" (10 mm)	87	65	49	31	22	17	12	8	
1/4" (6 mm)	65	49	31	22	16	12	8	5	
4# (5 mm)	50	30	22	16	12	8	5	3	
6# (3 mm)	32	22	17	12	8	5	3	1	
8# (2 mm)	22	17	12	8	5	3	1	0	

Note 1: The values are for the average feed material with WI = 12 to 14

Note 2: The values in the above tables will vary with the method of feeding, feed distribution, feed segregation, crushing cavity, bulk density, fines in the feed, moisture content, fracture characteristics, speed, throw, etc.



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