



Fully Modernized & Turbocharged TC84 HD Turbocone Crusher

Engineers and Manufacturers of Washing, Vibrating and Crushing Equipment

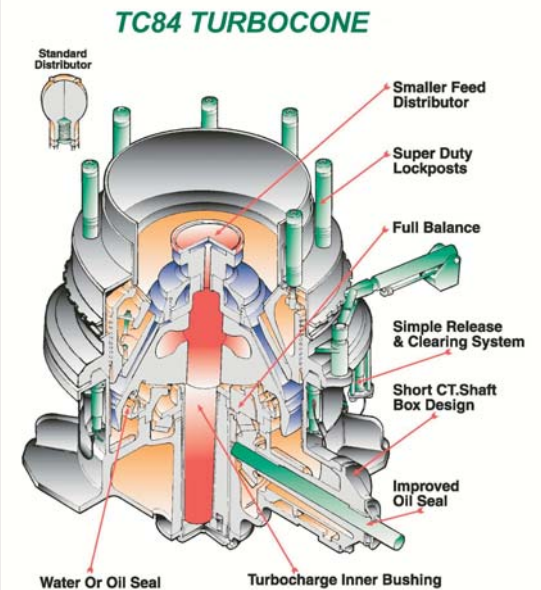
Description

Trio offers you a fully modernized and “Turbocharged” TC84 Turbocone crusher. In addition to the ruggedness and reliability of a bushing design, the Turbocone has all of the advanced features in demand in modern cone crushers. Most of the commonly used parts are 100% interchangeable between the 7 Ft. HD Turbocone and other popular cone crushers.

The TC84 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
- Nationwide distribution
- Quick Deliveries
- Superior Quality
- Off-the-shelf parts
- Low Price Guarantee

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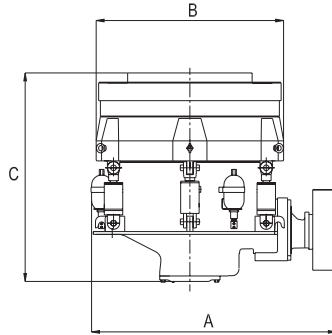
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Liner Selection

Liner Type	Secondary		Tertiary	
	Min. Setting	Feed Open (OS)	Min. Setting	Feed Open (OS)
Ex-Coarse	1 1/2" (38 mm)	18" (460 mm)	5/8" (16 mm)	8" (200 mm)
Coarse	1 1/4" (32 mm)	14 3/4" (370 mm)	1/2" (12 mm)	7" (180 mm)
Medium	1" (25 mm)	13 3/8" (335 mm)	3/8" (10 mm)	5 1/4" (135 mm)
Fine	3/4" (19 mm)	11" (275 mm)	3/16" (5 mm)	4 1/8" (105 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	2 1/2" / 50mm
Short	320-350	420-460	475-575	540-630	570-685	605-740	750-960	880-1050	1210-1430	1400-1650
Metric	290-315	380-425	430-520	485-565	515-615	550-670	680-872	800-955	1100-1300	1270-1500

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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