

CEDARAPIDS®
A TEREX BRAND

Cone Crushers

TC1000



Cedarapids® Static

TC Series Cone Crushers

The TC Cone Crusher provides an excellent reduction and product cubicity for the production of high quality aggregate and sub-base material.

Features & Benefits

Robust Construction

- Fully automatic controls
- Designed for the most arduous applications

Low Profile

- Important where headroom is restricted
- Ideally suited for mobile plant application

Advanced Hydraulics

- Accessible external hydraulics
- Hydraulic setting adjustment
- Automatic hydraulic overload protection and reset

Simple Wear Part Change

- Designed for fast changeover
- Keeps downtime to a minimum
- Readily accessible from above machine - no need to remove cone head
- Unrestricted feed opening reduces blockages and bridging, and increases output

Balanced Design

- Reduces vibration

Advanced Bearing Arrangement

- High capacity taper and cylindrical roller bearings
- Long trouble free service
- Low friction characteristics compared with 'old fashioned plain bearings'

Proven Sealing Arrangement

- Utilizes rotary seal ring, piston rings and double row labyrinth seals

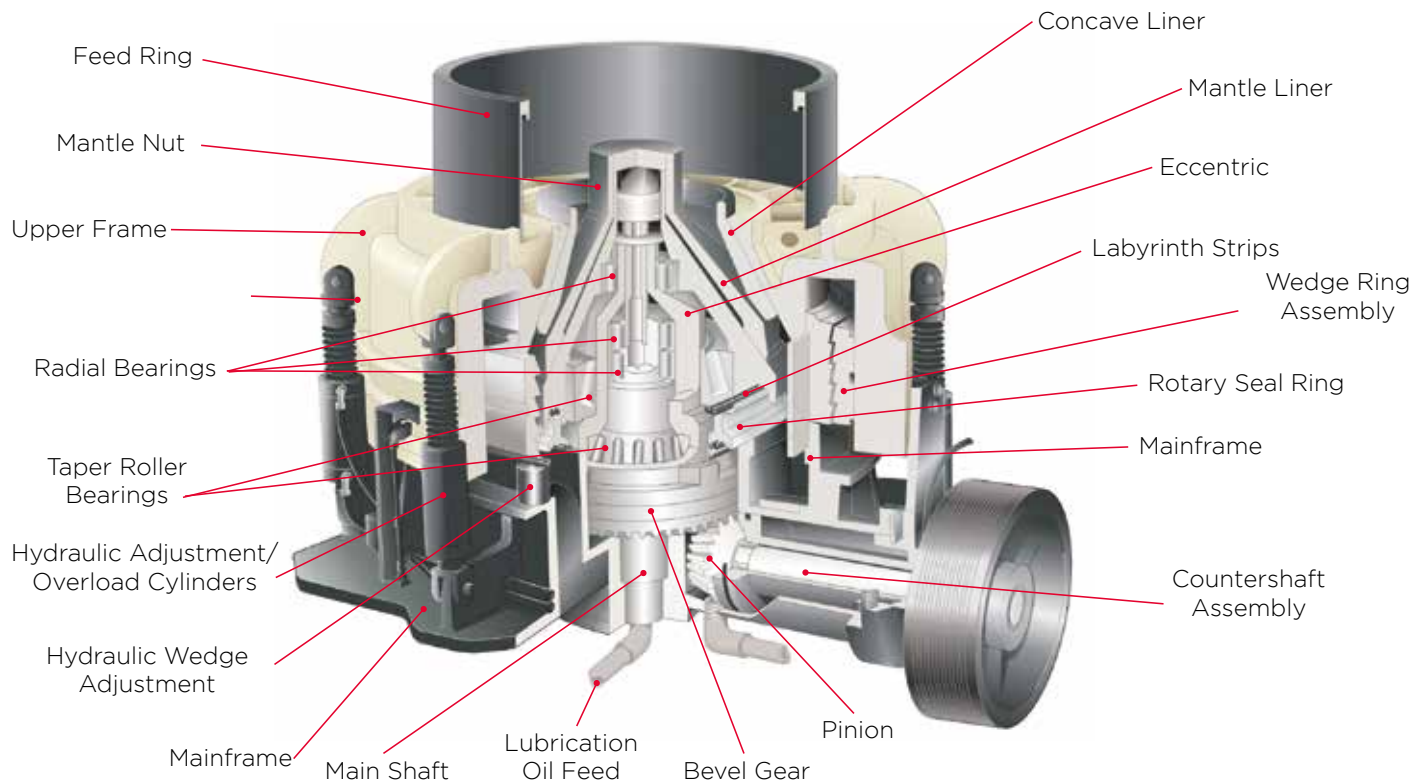
Overload Protection

- Hydraulic relief system with automatic reset

Setting Adjustment/Unblocking Facility

- Push button controlled hydraulic cylinders raise and lower the upper frame assembly to adjust the crusher setting and to unblock the crushing chamber

ACE6 Control System as Standard



Drive Details

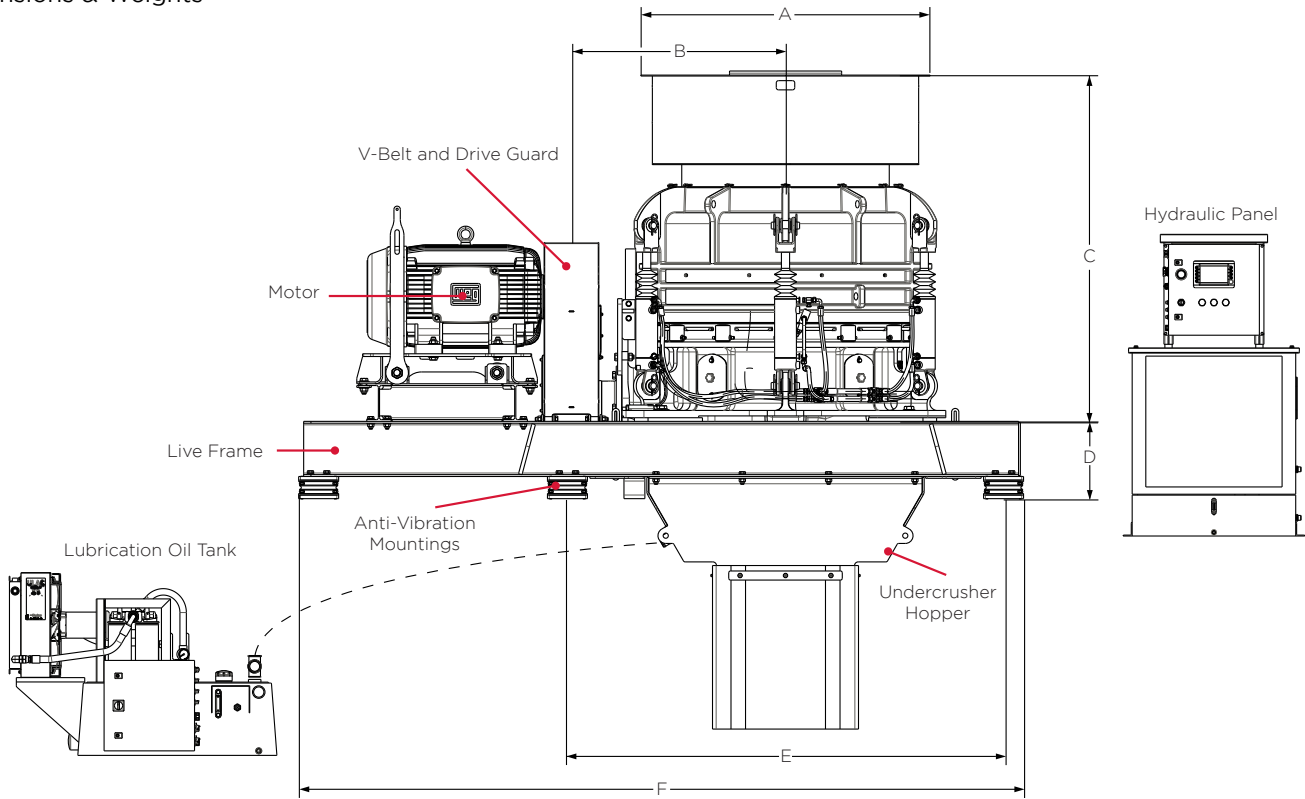
Model	TC1000 Short Throw		TC1000 Long Throw	
	Metric	Imperial	Metric	Imperial
Power Required	160 kW	215 hp	170 kW	225 hp
Countershaft RPM	936 rpm		936 rpm	
Vee Belts	8 - SPC		8 - SPC	

Power Variation

The power required will vary with the feed and product size, capacity and rock characteristics.



Dimensions & Weights



Weights	TC1000	
	kg	lb
Basic cone crusher only	10,000	22,040
Crusher assembled on live frame with motor, motor pulley, Vee belts and drive guard	12,650	26,460
Hydraulic panel	300	660
Oil tank with airblast cooler	350	770

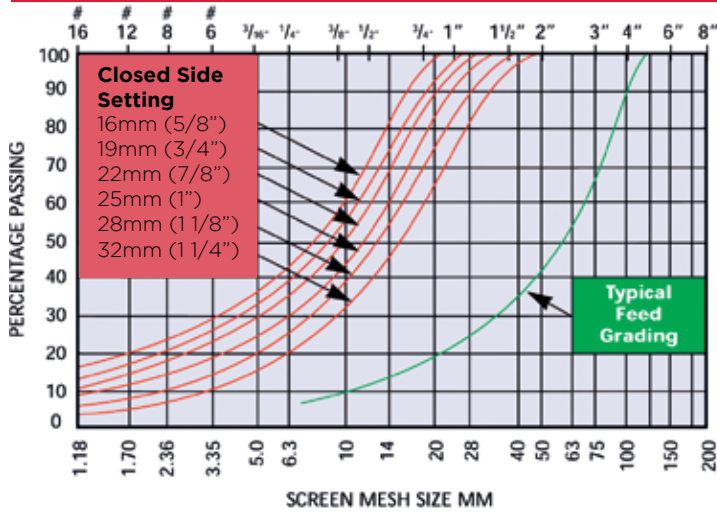
	TC1000	
	mm	in
A	1592	62.7
B	1178	46.4
C (Max)	1928	75.9
C (Min)	1723	67.8
D	303	11.9
E	2400	94.5
F	3989	157

Optional Equipment

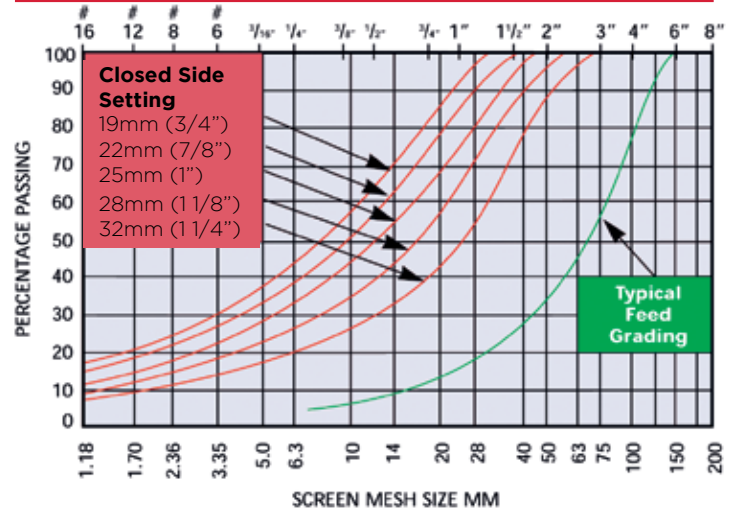
- Motor
- Vee Belt Drive, Guard and Motor Pulley
- Live Frame Assembly with Anti-Vibration Mountings

Footnote: Dimensions shown are approximate only and are subject to change. Use only certified installation drawings for construction purposes.

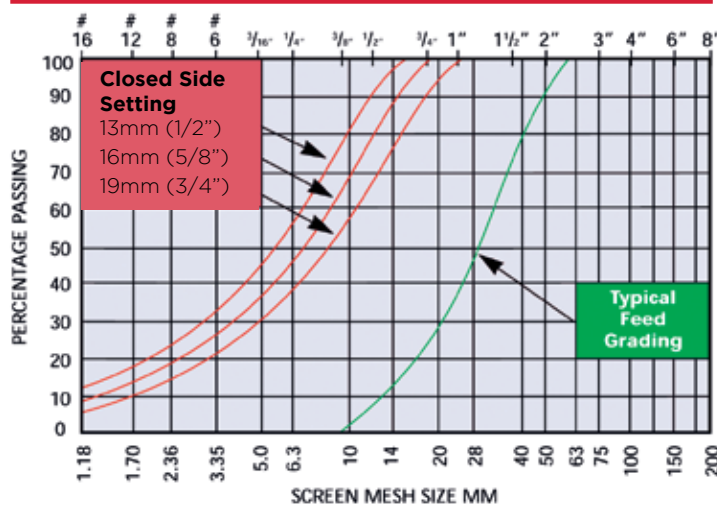
TC1000 Short Throw Standard



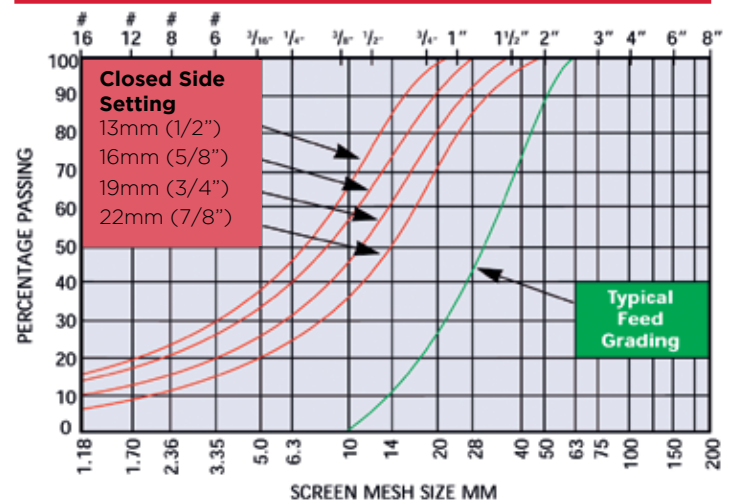
TC1000 Long Throw and TC1300 Standard



TC1000 Short Throw Fine



TC1000 Long Throw and TC1300 Fine



Feed and product curves are relative and based on actual test data. If the feed varies from that shown, products and capacities will also vary. Consult Terex MPS for more information.

Closed Side Settings and Approximate Capacities

Standard Chamber	Maximum Feed Size	Minimum CSS	CSS	Approximate Capacities					
				16 mm 5/8 in	19 mm 3/4 in	22 mm 7/8 in	25 mm 1 in	28 mm 1 1/8 in	32 mm 1 1/4 in
TC1000 M.C. Short Throw	160 mm	16 mm	MTPH	90 - 110	105 - 120	115 - 140	120 - 150	130 - 160	
	6 1/4 in	5/8 in	STPH	100 - 120	115 - 130	125 - 155	130 - 165	140 - 175	
TC1000 X.C. Short Throw	195 mm	19 mm	MTPH		105 - 120	115 - 150	135 - 160	145 - 170	150 - 180
	7 1/2 in	3/4 in	STPH		115 - 130	125 - 165	150 - 175	160 - 185	165 - 200
TC1000 M.C. Long Throw	160 mm	19 mm	MTPH		125 - 145	140 - 170	145 - 180	155 - 190	
	6 1/4 in	3/4 in	STPH		135 - 160	155 - 185	160 - 195	170 - 210	
TC1000 X.C. Long Throw	195 mm	22 mm	MTPH			140 - 180	165 - 195	175 - 205	180 - 220
	7 1/2 in	7/8 in	STPH			155 - 195	180 - 215	190 - 225	200 - 240

Key: M.C. = Medium Coarse, X.C. Extra Coarse

Fine Chamber	Maximum Feed Size	Minimum CSS	CSS	Approximate Capacities		
				13 mm 1/2 in	16 mm 5/8 in	19 mm 3/4 in
TC1000 Short Throw	63 mm	13 mm	MTPH	70 - 100	80 - 110	85 - 125
	2 1/2 in	1/2 in	STPH	175 - 110	90 - 120	95 - 135
TC1000 Long Throw	63 mm	13 mm	MTPH	85 - 120	95 - 130	100 - 150
	2 1/2 in	1/2 in	STPH	95 - 130	105 - 140	110 - 165

Crusher Capacity

The capacities given are approximate. They are based on crushing clean, dry, well graded aggregate weighing loose about 1600kg/m³ (100lbs/ft³) and having a specific gravity of 2.6 - 2.8. Wet sticky feeds will reduce crusher capacities.

Capacities will vary according to the method of feed and the size, gradation, compressive strength, toughness, friability and moisture content of the feed. Capacities are for open circuit applications.

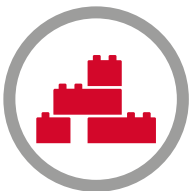
Crusher Settings

The crusher settings shown in the tabulation are for general guidance only and when operation is required toward the lower end of the setting range, Terex MPS should be consulted to verify the application.

Crusher Grading

The grading curves provided are a guide only and will vary with rock characteristics.

Versatility for Your Application



MODULAR



PORTABLE



STATIC

Available as static cone crushers for a custom fit for your application or available in pre-engineered modular and portable options for easy transport and installation.

Modular



Model	Main Components	Motor Size	Capacity (MTPH)	Shipping Configuration
MC1000	TC1000 Cone Crusher	250 hp (185 kW)	75 - 240 (68 - 218)	(1) 40ft shipping container plus (1) 20ft container

Portable



Model	Main Components	Motor Size	Capacity (MTPH)	Suspension	Weight lbs (Kg)
CRC1150	TC1150 cone	300 hp (224 kW)	165- 320 (150 - 290)	2 Axle	66,100 lbs (29,990 Kg)
CRC1150S	TC1150 cone and LJ-TSV6203 three deck screen	300 hp (224 kW)	165- 320 (150 - 290)	3 Axle	66,100 lbs (29,990 Kg)

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Proven Success, Global Reach

A comprehensive range of services. Original spare and wear parts. Customizable solutions to meet your exact needs. Outstanding technical expertise and support.

This is what Cedarapids® delivers to businesses – and what it delivers to businesses throughout the world via our global distribution network, service and distribution facilities and regional warehouses.

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Our OEM parts help maintain and enhance the performance of your equipment – and you can count on us to get you the spare and wear parts you need, when you need them.

Cedarapids® parts are manufactured according to exact specifications, using high-quality materials, tools and techniques. By using genuine parts you are helping to ensure the maximum performance and longevity of your machines.

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Terex® Financial Services is a globally trusted resource that is able to leverage its knowledge of Terex® equipment plus its marketplace expertise to provide a unique tailored solution for customers.

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We understand your key focus is delivering your operational and financial goals. We share that focus: it's how we both measure success.

By combining our global service network and proven, in-depth industry knowledge with your operational expertise we're able to provide you with the right solution to deliver a quality end product – with increased productivity.

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Our experienced field service and distribution network are available to you on site or at our global service facilities. We can repair broken or damaged equipment to like-new condition and restore worn or irreplaceable equipment to perfect operating condition – which minimizes costly downtime for you.

Combining our global service network and deep industry knowledge with your operational expertise ensures that we provide the best solutions...





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