TEREX®

Terex Minerals Processing Systems

Terex TC Cone Crushers

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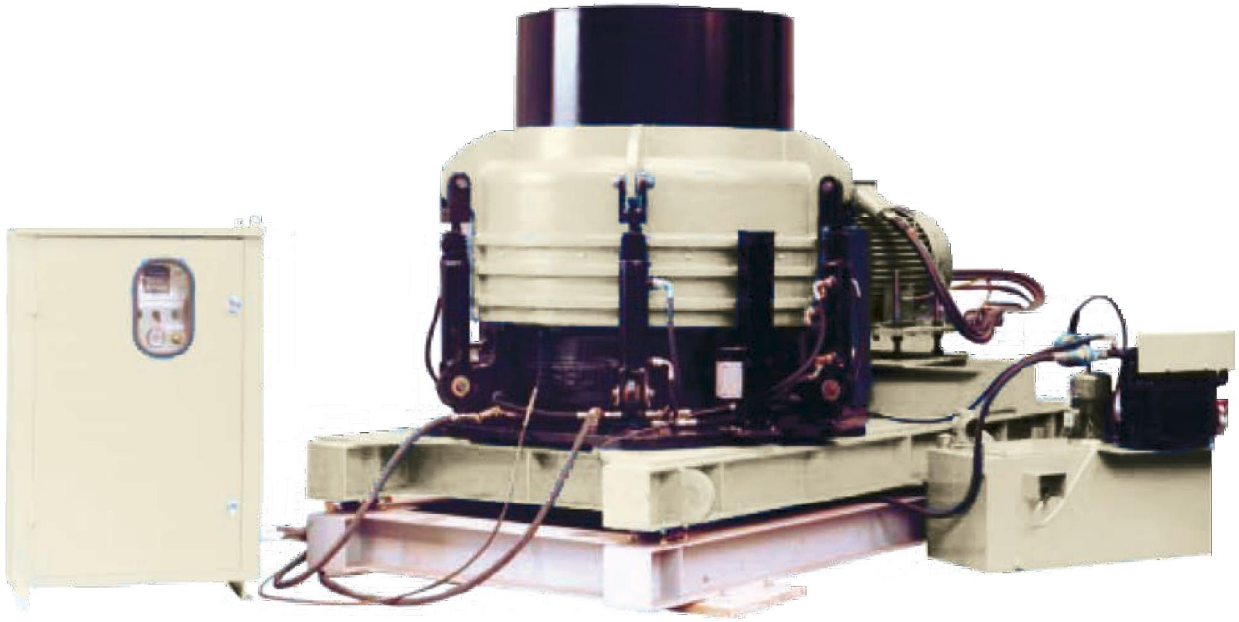
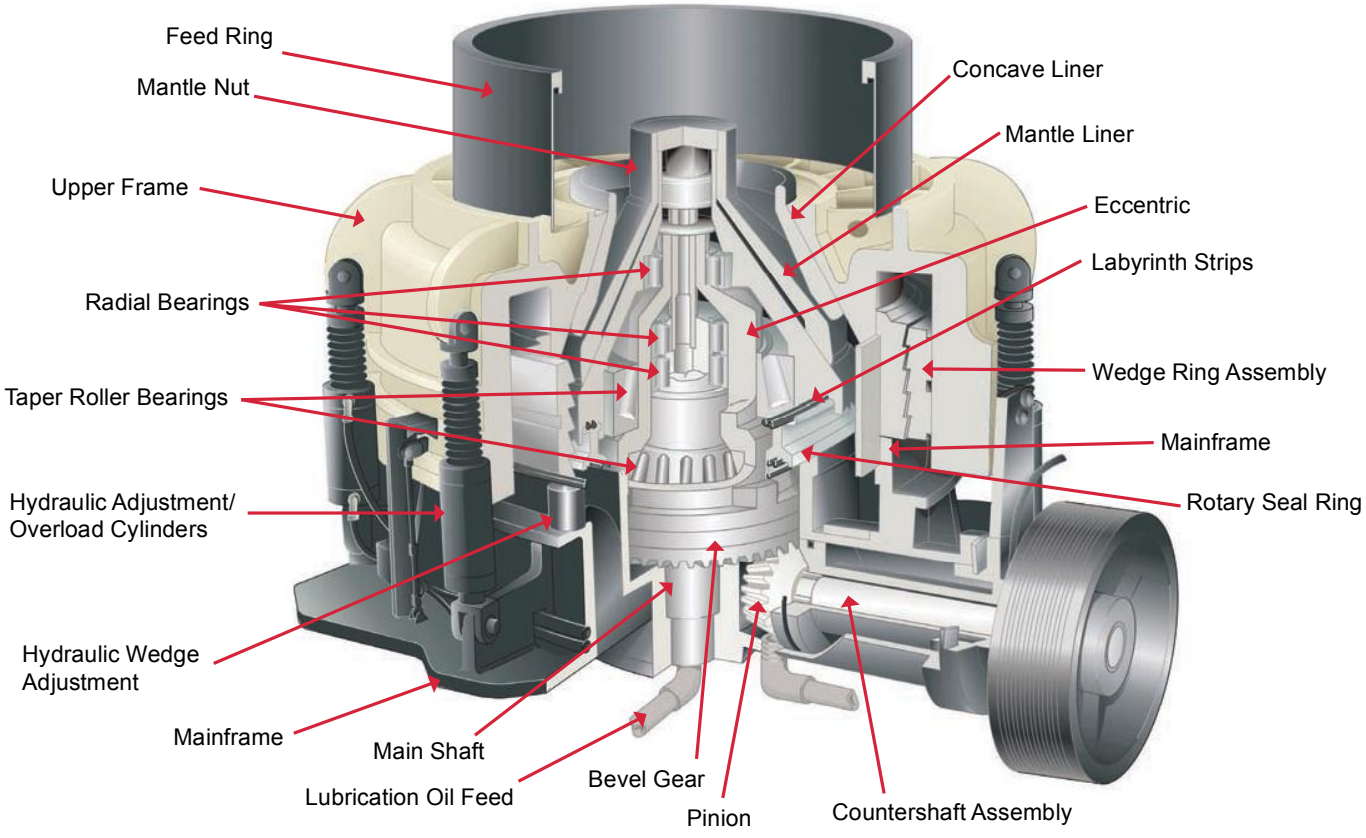




TEREX®

Benefits and Features

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

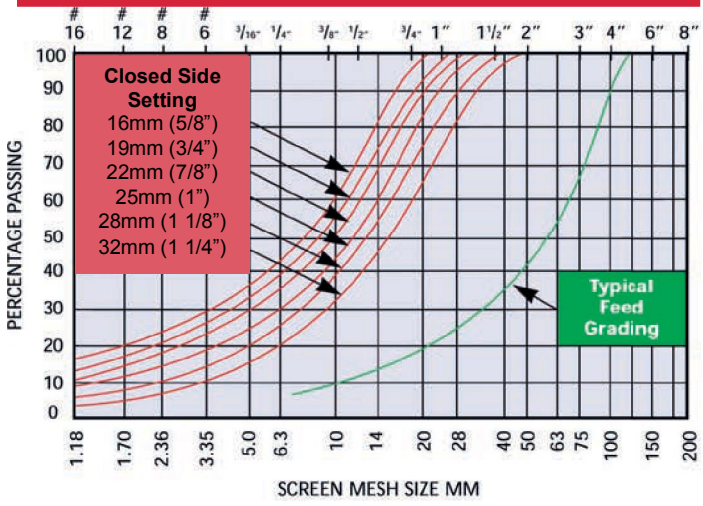
Hydraulic relief system with automatic reset

Setting Adjustment/Unblocking Facility

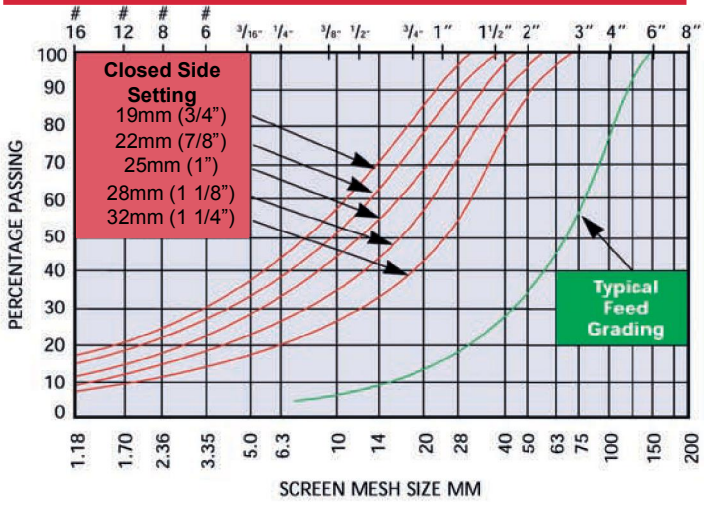
Push button controlled hydraulic cylinders raise and lower the upper frame assembly to adjust the crusher setting and to unblock the crushing chamber

Terex TC Cone Crusher Performance Charts

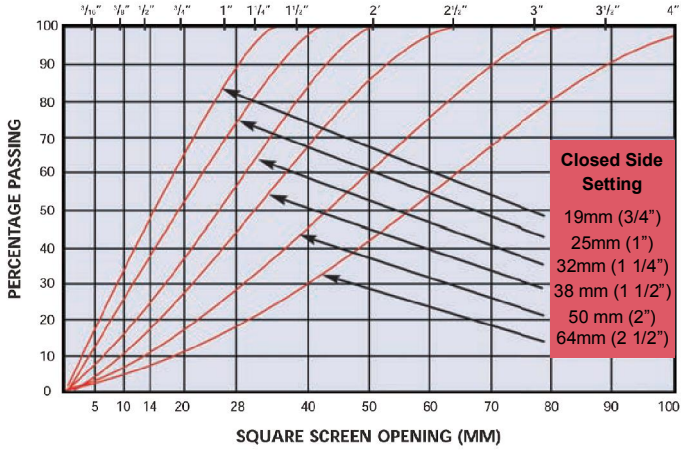
1000 SHORT THROW STANDARD



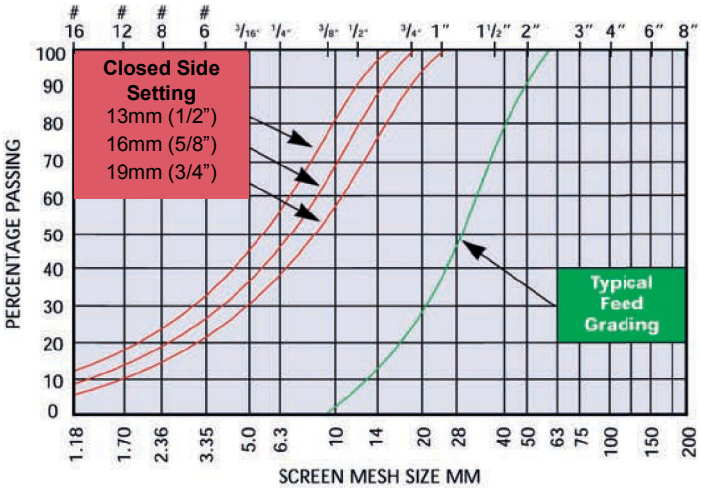
1000 LONG THROW & 1300 STANDARD



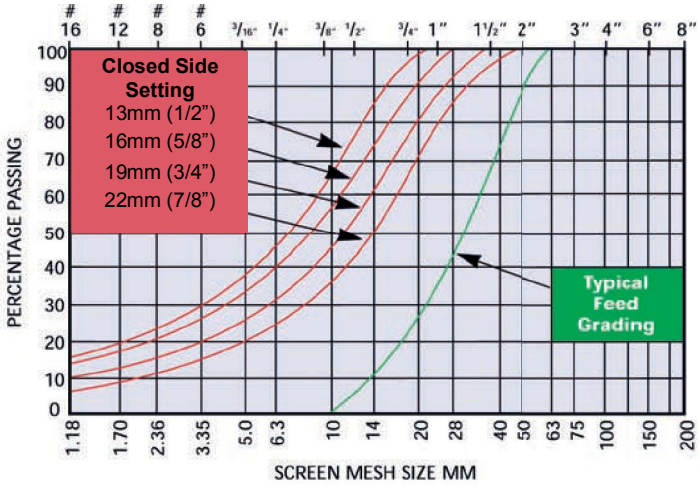
1500 F, M & C



1000 SHORT THROW FINE



1000 LONG THROW & 1300 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 for more information.

Closed Side Settings & Approximate Capacities													
Standard Chamber	Max. Feed Size		Approximate Capacities										
	mm	ins	Closed Side Setting	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	38 mm 1 1/2 in	45mm 1 3/4 in	50 mm 2 in	64 mm 2 1/2 in
1000 M.C. Short Throw	160	6 1/4	M. tph	90-110	105-120	115-140	120-150	130-160					
			U.S. tph	100-120	115-130	125-155	130-165	140-175					
1000 X.C. Short Throw	195	7 1/2	M. tph		105-120	115-150	135-160	145-170	150-180				
			U.S. tph		115-130	125-165	150-175	160-185	165-200				
1000 M.C. Long Throw	160	6 1/4	M. tph		125-145	140-170	145-180	155-190					
			U.S. tph		135-160	155-185	160-195	170-210					
1000 X.C. Long Throw	195	7 1/2	M. tph			140-180	165-195	175-205	180-220				
			U.S. tph			155-195	180-215	190-225	200-240				
1300 Standard	220	8 1/2	M. tph			220-255	235-275	250-295	260-320				
			U.S. tph			240-280	260-300	275-325	285-350				
1500 F	120	4 3/4	M. tph		320-370	350-405	375-420	405-455	440-500				
			U.S. tph		350-400	380-430	410-460	440-500	480-550				
1500 M	220	8 3/4	M. tph						450-530		560-670	630-730	830-930
			U.S. tph						490-580		620-740	690-800	910-1020
1500 C	250	10	M. tph								570-680	650-750	850-950
			U.S. tph								630-750	710-820	930-1140

Closed Side Settings & Approximate Capacities											
Fine Chamber	Maximum Feed Size		Approximate Capacities								
	mm	inches	Closed Side Setting	mm	ins	mm	ins	mm	ins	mm	ins
				13	1/2	16	5/8	19	3/4	22	7/8
1000 Short Throw	63	2 1/2	M. tph	70 - 100		80 - 110		85 - 125			
			U.S. tph	75 - 110		90 - 120		95 - 135			
1000 Long Throw	63	2 1/2	M. tph	85 - 120		95 - 130		100 - 150			
			U.S. tph	95 - 130		105 - 140		110 - 165			
1300 Standard	63	2 1/2	M. tph	165 - 185		180 - 200		195 - 220		210 - 240	
			U.S. tph	180 - 220		200 - 220		215 - 240		230 - 260	

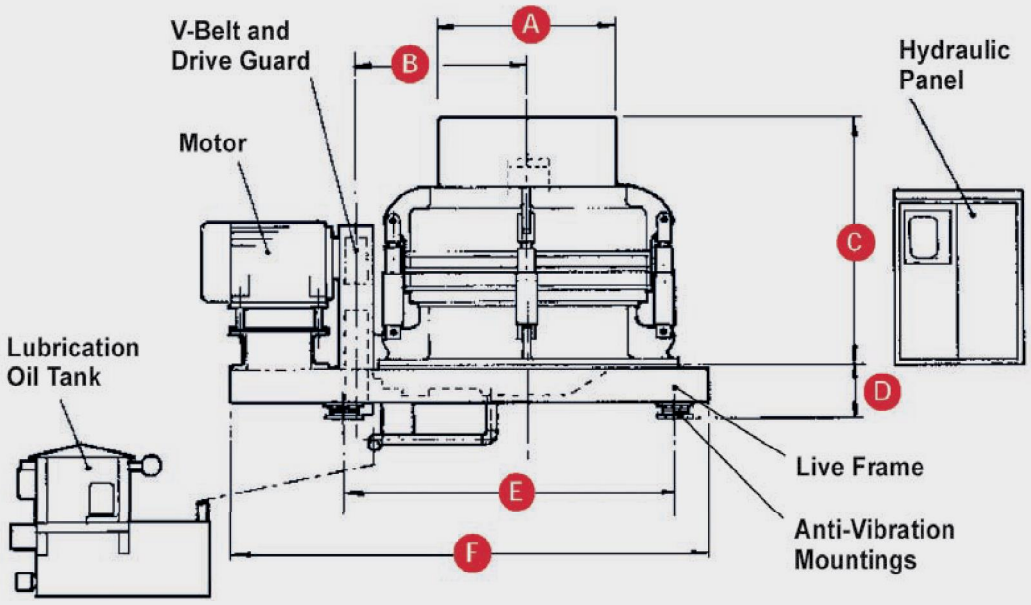
Crusher Capacity
The capacities given are approximate. They are based on crushing clean, dry, well graded aggregate weighing loose about 1600kg/m^3 (100lbs/ft^3) and having a specific gravity of 2.6 - 2.8. Wet sticky feeds will reduce crusher capacities.

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 should be consulted to verify the application.

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

Terex TC Cone Crusher Dimensions



Approximate Overall Dimensions							
Crusher Model		1000 Terex TC Crusher		1300 Terex TC Crusher		1500 Terex TC Crusher	
		mm	inches	mm	inches	mm	inches
A	mm	1168	46	1410	55 1/2	2700	106
B	mm	1160	45 5/8	1415	55 3/4		
C	Max	1730	68	2268	89 1/4	2917	125
	Min	1525	60	2020	79 1/2		
D	mm	289	11 3/8	356	14	439	17
E	mm	2250	88 1/2	2375	93 1/2	2992	118
F	mm	3286	129 3/8	3875	152 1/2	4130	163

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

Optional Extras
Motor
V-Belt Drive, Guard and Motor Pulley
Live Frame Assembly with Anti-Vibration Mountings
System 3 Hydraulics
System 4 Hydraulics

Terex TC Cone Crusher Specifications

Drive Details					
Terex TC Crusher		1000	1000	1300	1500
		Short Throw	Long Throw	Standard	Standard
Power Required	kW	160	170	225	225
	HP	215	230	300	300
Pulley P.C. Diameter	mm	630	630	630	800
	inches	24 3/4	24 3/4	24 3/4	31 1/2
Pulley Face Width	mm	213	213	213	213
	inches	8 3/8	8 3/8	8 3/8	8 3/8
Pulley Speed	RPM	936	936	718	780
V-Belts		8 - SPC	8 - SPC	8 - SPC	8 - SPC

Weights						
Crusher Model	1000		1300		1500	
	kgs	lbs	kgs	lbs	kgs	lbs
Base Cone Crusher only	10,000	22,040	22,000	48,500	33600	24075
Crusher assembled on live frame with Motor, Motor Pulley, V-Belts and Drive Guard	12,000	26,500	26,000	57,300	36360	80160
Hydraulic Panel (System 2)	300	660	300	660	300	660
Oil Tank with Airblast Cooler	350	770	390	860	390	860

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

Optimum Performance
Advanced crusher geometry
Excellent product shape through attrition crushing
High output capability
Production of high quality material

Low Cost Operation
High capacity with energy efficiency
Low wear costs
Exceptional reliability

Ease of Maintenance
Accessible external hydraulics
Simple assembly and dismantling
Quick manganese change

Terex Minerals Processing Systems

Main Locations

Give us a call to learn more about our extensive equipment range.

Terex Minerals Processing Systems
.terexmps.com
Form

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