



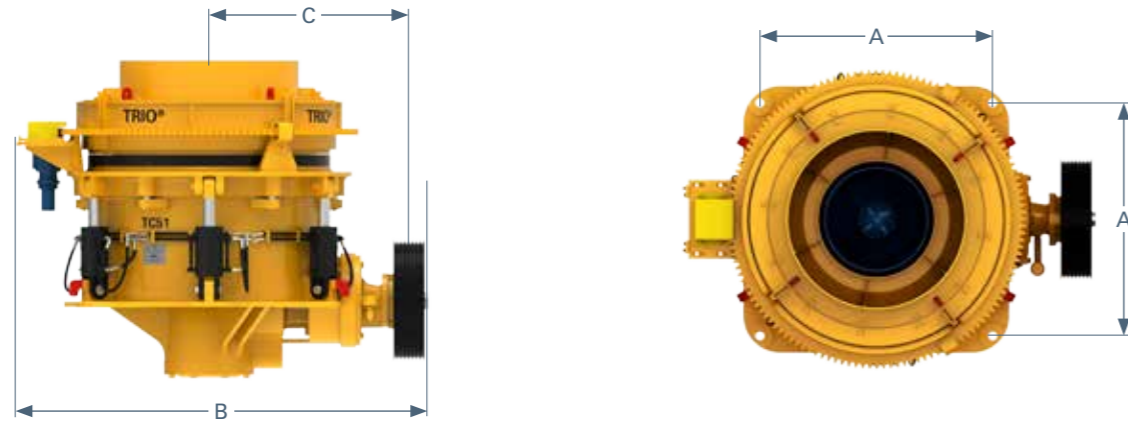
WEIR

Minerals

Trio®
Product Guide

Trio® Cone Crushers - TC Series

Product Collection



PRODUCT FOCUS
Cone Crushers
TC Series

Product Range			
MODEL	A mm	B mm	C mm
TC36	1,321	2,700	1,960
TC51	1,765	3,185	2,280
TC66	2,261	3,960	2,910
TC84X	2,490	4,650	3,500

Typical Physical Properties									
MODEL	MACHINE WEIGHT		MAX INSTALLATION WEIGHT		MAX MAINTENANCE PART WEIGHT		RECOMMENDED POWER		ROTATING SPEED
	kg	lbs	kg	lbs	kg	lbs	kw	hp	rpm
TC36	12,000	26,455	5,000	11,023	<2,700	<5,952	75-90	100-125	585
TC51	22,500	49,604	9,200	20,283	<5,000	<11,023	160-200	200-250	625
TC66	43,500	95,901	19,000	41,888	<10,000	<22,046	250	350	550
TC84X	78,000	171,960	36,500	80,469	<17,000	<37,479	400-450	500-600	480-530

Capacity Chart (TPH)												
MODEL	CAVITY	CSS										
		3mm	6mm	10mm	13mm	16mm	19mm	25mm	32mm	38mm	51mm	64mm
TC36	Standard	-	-	45-60	55-75	70-90	80-105	110-135	125-155	145-190	-	-
	Short Head	25-35	45-65	65-85	80-110	90-125	115-150	-	-	-	-	-
TC51	Standard	-	-	-	100-135	110-160	135-200	155-265	175-315	230-350	310-420	-
	Short Head	45-75	70-100	90-130	115-190	140-230	175-260	200-300	-	-	-	-
TC66	Standard	-	-	-	-	160-210	175-240	250-340	290-410	320-495	380-570	480-770
	Short Head	-	120-165	150-230	190-290	220-330	250-370	300-405	-	-	-	-
TC84X	Standard	-	-	-	-	-	360-480	480-680	600-860	720-940	900-1,300	1,200-1,500
	Short Head	-	215-315	300-415	360-500	410-580	450-630	520-700	-	-	-	-

Note: Indicated capacity is neither minimum or maximum values. Actual capacity will depend on eccentric speed, chamber selection, and feed parameters. For best results, operating the cone crusher with a full crusher chamber is recommended. However, all TC series crushers accept reasonable variations in feed rates.

Design Feature	Benefit	Applications
• Heavy mass	▶ Greater durability for frequent overload conditions	<ul style="list-style-type: none"> • Secondary and tertiary stage crushing circuits • Specification size and/or shape classification for aggregate crushing • Crushing ore for leaching or milling operations
• Tapered sleeve bearings	▶ Well proven design for cone crushers	
• Spiral bevel gears	▶ Reduced gear noise and longer gear life	
• Hydraulic adjustment	▶ Easy adjustment of Closed Side Setting (CSS)	
• Hydraulic tramp release	▶ Prevents interruption of operation due to uncrushable materials	
• Hydraulic clearing	▶ Allows for safe clearing of crusher chamber in the event of crusher stall under load	