



Pennsylvania Crusher[®] Reversible Impactor



CAL 15-44A Model

When Versatility, Reliability, and Long Service Life Matter!

Models To Fit Your Needs

Pennsylvania Crusher brand reversible impactors are available in a variety of models:

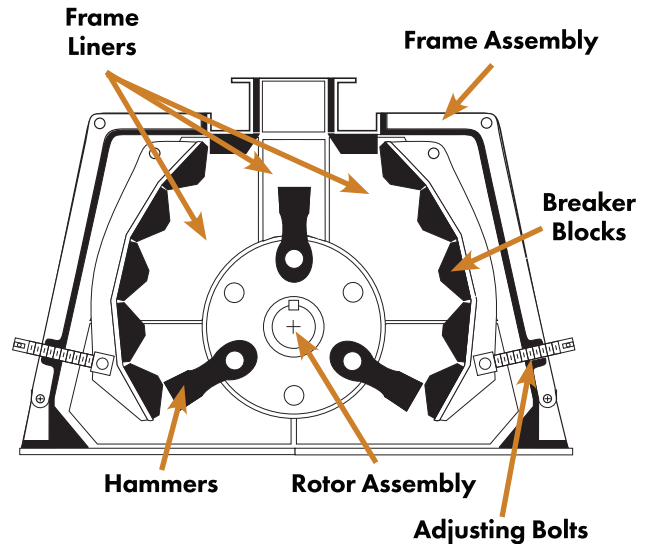
- **Model CAL** – represents the culmination of more than 75 years of continuous design evolution, delivering the preferred reversible impactor across nearly every segment of the mineral processing industry. Renowned for its exceptional reliability, rugged construction, and outstanding performance, the CAL also stands out for its low initial investment and minimal maintenance requirements—making it the smart, long-term choice for operators worldwide.
- **Model CXC** – designed for smaller feed sizes, these compact reversible impactors are ideal for operations requiring lower capacity production. The CXC incorporates fixed upper breaker blocks and adjustable lower breaker blocks. This configuration not only allows operators to fine-tune output gradation to meet specific requirements but also makes it easier to maintain consistent product sizing throughout the wear life of the crushing components.

To ensure you select the ideal model for your needs, we offer direct consultation with our engineering team at our Demonstration & Testing Center.

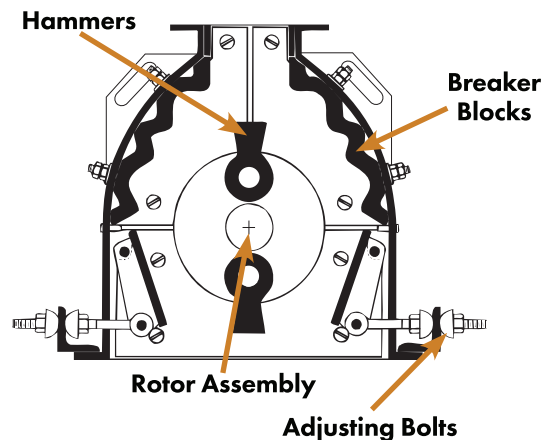
Your material is processed through full-production units, while our engineers conduct a comprehensive analysis of the results. Using this data, they collaborate with you to identify the optimal size and configuration for your critical processes.



Model CAL 9-38A



Model CXC 00-16



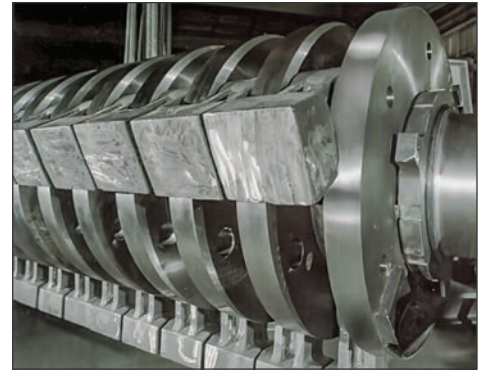
Reversible Crushing Action

Introduced and patented by Pennsylvania Crusher in 1937, the Reversible Impactor is a highly adaptable crusher designed to handle a wide range of materials with efficiency and reliability.

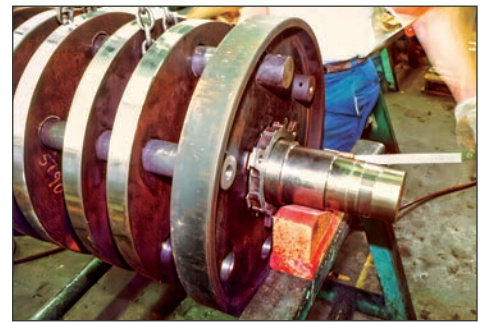
As material enters, heavy steel hammers fracture it along natural fault lines. Propelled at high velocity, fragments strike stationary breaker blocks for further reduction. The particles rebound into the hammer path, repeating the cycle until properly sized material exits through the crusher's open bottom.

This reduction method delivers a cubical product while achieving high reduction ratios—up to 35:1—depending on the friability of the feed material, reducing need for multiple machines in a series.

The fully open bottom prevents overcrushing and excess fines by eliminating screen bars and obstructions that impede material flow. Power requirements are reduced by half or more compared to grate-type hammermills at equal output, and the design greatly reduces plugging of high-moisture materials.



Reversible rotation equalizes wear.



Suspension discs are keyed to the shaft.

Advantages of Reversibility

Both hammer faces wear evenly.

Breaker blocks on either sides of the crushing chamber deliver double the wear area of single-direction crushers.

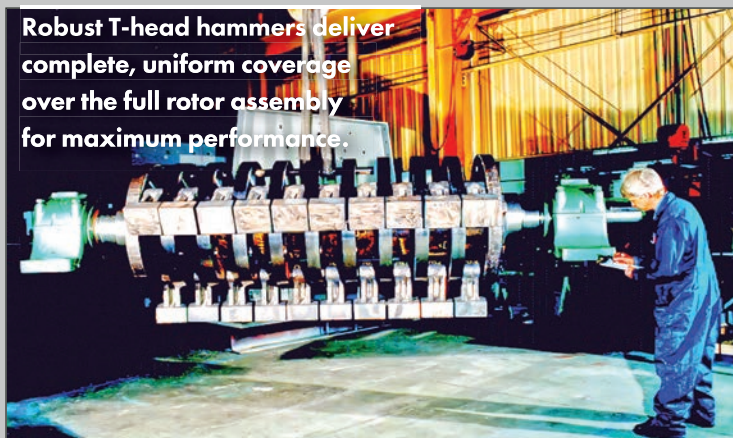
Sharper hammer profiles deliver solid, more direct impacts—improving performance.

Continuous operation—no service pull for hammer rotation

Heavy-Duty Hammers

T-Head Hammers handle larger, coarser material without deflection.

Single-Piece Design combines a hard, wear-resistant head with a shock-absorbing ductile shank—no abrupt failure points.



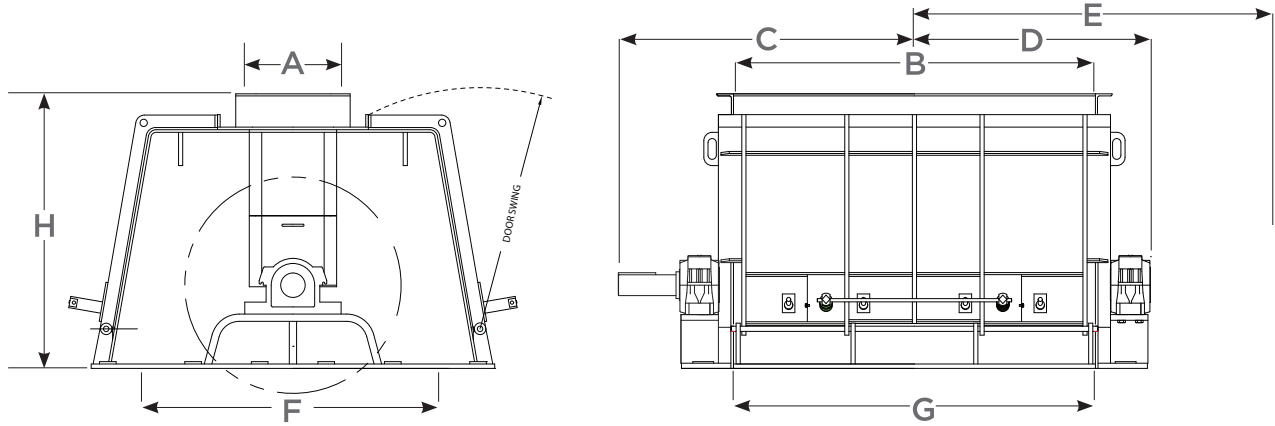
Robust T-head hammers deliver complete, uniform coverage over the full rotor assembly for maximum performance.



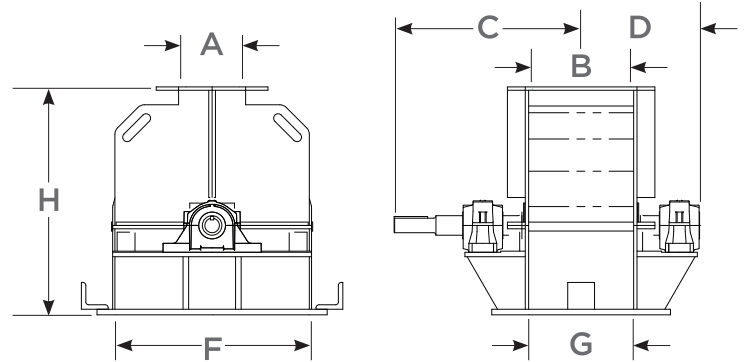
Curved breaker block assembly matches the hammer arc.

Dimensions and Weights

MODEL CAL



MODEL CXC



Our CXC model is the same sturdy machine as the CAL in a smaller package.

Small installation space increases adaptability to plant layouts
 Reduction ratios up to 16:1 reduce need for multiple machines in a series
 Adjustable lower breaker block assemblies compensate for wear without shutting down equipment

Reversible Impactors Approximate Layout Dimensions* and Shipping Weights in Inches (mm)

MODEL	INPUT OPENING		OVERALL WIDTH REQUIREMENTS			DISCHARGE OPENING		HEIGHT H	WEIGHT LBS (KG)
	A	B	C	D	E**	F	G		
CXC 00-16	6" (152)	11" (279)	20 15/16" (532)	13 1/4" (337)	N/A	21 1/2" (546)	11 3/4" (298)	25 1/2" (648)	825 (374)
CAL 3-32A	9 3/4" (248)	13" (330)	20 7/8" (530)	14 1/4" (362)	14" (356)	71" (1803)	55" (1397)	48" (1219)	4,200 (1,905)
CAL 5-32A	13" (330)	19 1/4" (489)	27" (686)	19" (483)	28" (711)	55" (1397)	19 1/4" (489)	48" (1219)	5,950 (2,700)
CAL 5-38A	15 1/2" (394)	19 1/4" (489)	27" (686)	19 5/8" (498)	34 1/2" (876)	63 1/4" (1607)	19 1/4" (489)	57" (1448)	8,400 (3,810)
CAL 7-38A	15 1/2" (394)	28 1/2" (724)	32 5/8" (829)	24 3/8" (619)	42" (1067)	63 1/4" (1607)	30" (672)	57" (1448)	10,900 (4,944)
CAL 9-38A	15 1/2" (394)	38" (965)	38 1/2" (978)	29" (737)	56" (1422)	63 1/4" (1607)	38" (966)	57" (1448)	13,300 (6,033)
CAL 11-38A	15 1/2" (394)	48" (1219)	48" (1219)	36" (914)	72" (1829)	63 1/4" (1607)	49 1/2" (1257)	57" (1448)	15,450 (7,008)
CAL 11-44A	18" (457)	48" (1219)	48" (1219)	36" (914)	72" (1829)	74 1/2" (1892)	49 3/4" (1264)	66" (1676)	19,000 (8,618)
CAL 15-44A	18" (457)	66 3/4" (1695)	57 3/8" (1457)	45 3/8" (1153)	100" (2540)	74 1/2" (1892)	68 1/4" (1734)	66" (1676)	24,900 (11,294)
CAL 19-44A	18" (457)	85 1/2" (2172)	71 3/16" (1808)	56 23/32" (1441)	129" (3277)	74 1/2" (1892)	87" (2210)	66" (1676)	34,000 (15,422)

* Certified drawings will be furnished for installation. Installation supervision is available.

** Clearance for removal of suspension bar.

Call +1 855-483-7721 or email customer.service@astecindustries.com to find the sales representative nearest you.