



## Pennsylvania Crusher<sup>®</sup> Coalpactor<sup>®</sup>

### Reliable, Efficient Coal Crushing for Power and Steel Applications

The Pennsylvania Crusher<sup>®</sup> Coalpactor<sup>®</sup> has a proven track record in power generation and steel production, delivering consistent size reduction, low operating cost, and long-term dependability.

Designed for fluid bed boiler plants and metallurgical coal preparation, it efficiently reduces coal to the required top size while minimizing fines and handling high-moisture feed with ease.

#### Proven Performance

Engineered for demanding, continuous-duty service, the Coalpactor<sup>®</sup> provides:

- Controlled top size for precise fuel feed and combustion efficiency
- Low cost-per-ton crushed through durable, energy-efficient design
- Minimal fines generation, even with wet or sticky materials
- Reversible rotor for extended hammer life and consistent performance

#### Efficient Crushing Action

At the core of the Coalpactor<sup>®</sup> is a reversible rotor assembly with rows of forged steel swing hammers enclosed by curved breaker plates.

As material enters the chamber, it's struck mid-air by hammers in a "free-air impact" process that delivers maximum reduction with minimal wear.

The crushed coal then bounces between hammers and breaker plates for further reduction, exiting the open bottom at a uniform size.

#### Results:

- Smooth, continuous material flow
- Low horsepower demand
- Clean, consistent output



#### Precision Size Control

- Adjustable breaker plates make it easy to maintain product consistency and efficiency.
- Progressive clearance reduction ensures smooth, even crushing
- Fine-tuning capability provides accurate top-size control
- Handles high-moisture coal without plugging or performance loss

#### Rugged, Maintainable Construction

- Every Coalpactor<sup>®</sup> is built for strength, accessibility, and longevity.
- Heavy-duty steel frame with replaceable, abrasion-resistant liners
- Large access doors expose rotor and breaker plates for easy maintenance
- Forged steel rotor shaft with hydraulic bearing removal for quick service
- Heat-treated alloy steel hammers and robust suspension system for long wear life
- Spherical roller bearings in split pillow-block housings for reliability and easy replacement

***The Coalpactor<sup>®</sup> delivers more than just crushing—it delivers value***

Call +1 855-483-7721 or email [customer.service@astecindustries.com](mailto:customer.service@astecindustries.com) to find the sales representative nearest you.

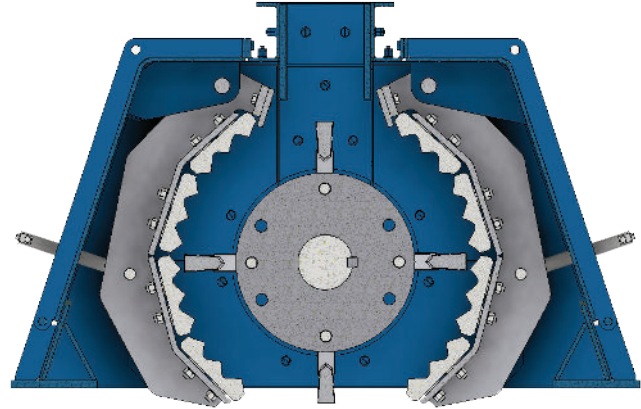
### New Retrofit Design!

Based on feedback from our Coalpactor users, we've completely changed the cage assembly to provide improved wear life, easier change-out and less maintenance.

This new design is now standard on all new machines and easily retrofitted to existing machines. Contact our customer service team for more information about retrofitting your machine.

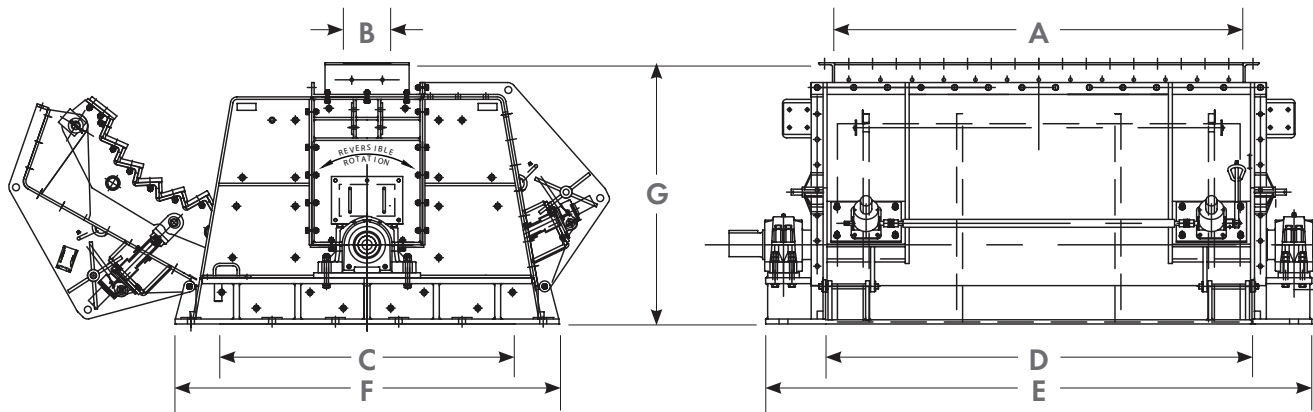
#### Advantages of the new design:

- Doubles the amount of crushing surfaces, going from 8 to 16 surfaces on either side of the rotor.
- The wear plates have been improved with a higher hardness material.
- Decreased depth of grooves between crushing surfaces.
- Less maintenance when changing out plate segments.
- Cast segments are one quarter the length of the cage.
- Plate segments are interchangeable from top to bottom with any area on the cage.



### Performance That Delivers

Backed by decades of field success, the Pennsylvania Crusher® Coalpactor® continues to set the standard for efficient, cost-effective coal crushing in power and steel plants worldwide.



Approximate Layout Dimensions\* and Shipping Weights\*\* (IN/MM)

Model	Input Opening		Discharge Opening		Length	Width	Height	Weight
	A	B	C	D	E	F	G	LBS/KG
9-38	37-3/8" (949)	10" (254)	58" (1473)	39-3/8" (1000)	58-3/8" (1482)	80" (2032)	49" (1245)	10,000 (4,526)
11-44	48" (1219)	18" (457)	74-1/2" (1892)	49-3/4" (1264)	72" (1829)	97" (2464)	66" (1676)	19,000 (8,618)
15-44	73" (1854)	18" (457)	74-1/2" (1892)	78-3/4" (2210)	109-1/2" (2781)	97" (2464)	66" (1676)	31,000 (14,061)
19-44	85-1/2" (2172)	18" (457)	74-1/2" (1892)	87" (2851)	112-1/4" (2851)	97" (2464)	66" (1676)	34,000 (15,422)
23-44	102" (2591)	18" (457)	74-1/2" (1892)	107-3/4" (2737)	138-1/2" (3518)	97" (2464)	66" (1676)	40,300 (18,280)
23-50	102" (2591)	13" (330)	74-5/8" (1895)	107-3/4" (2737)	138" (3505)	97-1/8" (2467)	70" (1778)	42,000 (19,051)
707	106" (2692)	19" (483)	126" (3200)	108" (2743)	154" (3912)	147" (3734)	106" (2692)	90,850 (41,209)

\* Certified drawings will be furnished for installation. Installation supervision is available.  
 \*\* All weights are for 4 rows of hammers, except for Model 707 which has 6 rows of hammers.