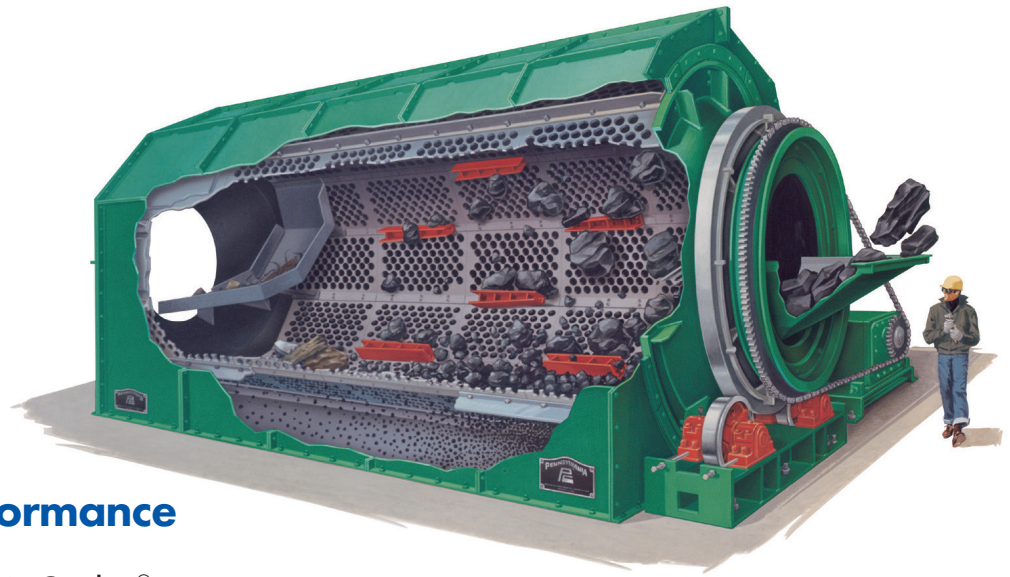


Bradford Breakers

**When Precision,
Rugged Design,
and Dependability
Matter — So Does
Product Size Control.**



Rugged, Reliable Performance

For more than a century, Pennsylvania Crusher® Bradford Breakers have set the industry standard for simultaneously sizing and cleaning ROM coal in a single operation. Trusted across mines and coal prep plants worldwide, their rugged design delivers exceptional reliability—so durable that many units installed over 60 years ago remain in service today.

Built for continuous-duty performance, Bradford Breakers require minimal maintenance beyond routine lubrication and inspection. Their proven durability minimizes downtime—often eliminating the need for backup equipment.

Simultaneous Sizing and Cleaning

As ROM coal enters the rotating cylinder, correctly sized material quickly passes through the screen plate openings for efficient sizing and uninterrupted flow.

Internal lifting shelves elevate and cascade the coal, repeatedly fracturing it along its natural cleavage lines as it impacts the screen plates. This controlled gravity-impact reduction minimizes fines while producing consistent, accurately sized product.

Rock, slate, tramp iron, and timber remain inside while coal is reduced. Angled deflectors and lifting shelves advance refuse to the discharge end, where an integral plow ejects it onto a refuse belt or stockpile.

Built for Strength and Simplicity

Bradford Breakers are built around a rigid, high-strength cylinder featuring overlapping, lap-mounted screen plates secured with precision-drilled, double-bolted connections for maximum durability and interchangeability.

Heavy-duty T-beam construction increases rigidity while reducing material buildup and corrosion—and provides easier maintenance access than traditional H-beam designs.

The simplified single-end drive assembly eliminates unnecessary complexity, requiring only one standard starting-torque motor with no additional jackshaft. Precision-manufactured screen plates retrofit easily in the field with minimal fit-up issues.

Multiple sizing hole configurations—including self-cleaning designs—help minimize plugging and maintain efficient operation.

**From the first 9' x 11' unit sold in 1904
to machines still running 60+ years later,
the Bradford Breaker set the standard
for coal preparation reliability.**



ASTEC®

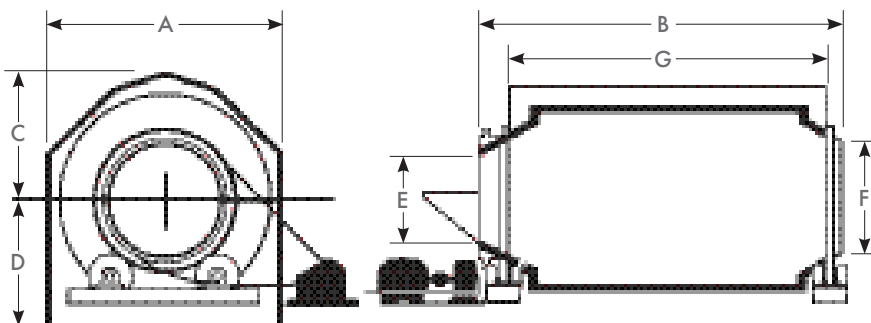


This Bradford Breaker has performed for over sixty years at this Appalachian coal mine.

Dimensions and Weights

TYPE RMD* ROLLER-MOUNTED BRADFORD BREAKERS
APPROXIMATE LAYOUT DIMENSIONS** AND SHIPPING WEIGHTS WITH CASING

Diameter x Length in feet (mm)	A	B	C	D	E	F	G	WEIGHT LBS (KG)
9' x 12' (2.74 x 3.66)	13' 1" (3.99)	18' 2" (5.54)	6' 6" (1.98)	5' 3" (1.60)	4' 0" (1.22)	4' 10" (1.47)	15' 3" (4.65)	50,000 (22,680)
9' x 16' (2.74 x 4.88)	13' 1" (3.99)	22' 5" (6.83)	6' 6" (1.98)	5' 3" (1.60)	4' 0" (1.22)	4' 10" (1.47)	19' 4" (5.89)	59,000 (26,762)
9' x 20' (2.74 x 6.10)	13' 1" (3.99)	26' 5" (8.08)	6' 6" (1.98)	5' 3" (1.60)	4' 0" (1.22)	4' 10" (1.47)	23' 5" (7.14)	69,000 (31,298)
9' x 24' (2.74 x 7.32)	13' 1" (3.99)	30' 2" (9.19)	6' 6" (1.98)	5' 3" (1.60)	4' 0" (1.22)	4' 10" (1.47)	27' 5" (8.36)	78,000 (35,380)
12' x 16' (3.66 x 4.88)	15' 5" (4.70)	23' 1" (7.04)	7' 8" (2.34)	6' 4" (1.93)	5' 4" (1.63)	6' 2" (1.88)	19' 6" (5.94)	86,000 (39,009)
12' x 20' (3.66 x 6.10)	15' 5" (4.70)	27' 1" (8.26)	7' 8" (2.34)	6' 4" (1.93)	5' 4" (1.63)	6' 2" (1.88)	23' 7" (7.19)	98,000 (44,452)
12' x 24' (3.66 x 7.32)	15' 5" (4.70)	31' 6" (9.60)	7' 8" (2.34)	6' 4" (1.93)	5' 4" (1.63)	6' 2" (1.88)	27' 7" (8.41)	111,000 (50,348)
12' x 28' (3.66 x 8.53)	15' 5" (4.70)	35' 6" (10.82)	7' 8" (2.34)	6' 4" (1.93)	5' 4" (1.63)	6' 2" (1.88)	31' 7" (9.63)	122,000 (55,338)
14' x 20' (4.27 x 6.10)	17' 9" (5.41)	27' 9" (8.46)	8' 10" (2.69)	7' 8" (2.34)	7' 11" (2.41)	8' 8" (2.64)	23' 8" (7.21)	141,000 (63,957)
14' x 24' (4.27 x 7.32)	17' 9" (5.41)	31' 10" (9.70)	8' 10" (2.69)	7' 8" (2.34)	7' 11" (2.41)	8' 8" (2.64)	27' 7" (8.41)	163,000 (73,936)
14' x 28' (4.27 x 8.53)	17' 9" (5.41)	35' 10" (10.92)	8' 10" (2.69)	7' 8" (2.34)	7' 11" (2.41)	8' 8" (2.64)	31' 8" (9.65)	182,000 (82,554)
14' x 32' (4.27 x 9.75)	17' 9" (5.41)	39' 10" (12.14)	8' 10" (2.69)	7' 8" (2.34)	7' 11" (2.41)	8' 8" (2.64)	35' 8" (10.87)	198,000 (89,811)



* Type RMD is a roller-mounted breaker which accepts run-of-mine coal from slope belts — or in the case of strip mines, truck dumper hoppers — via a feed chute protruding directly into the open end of the breaker.

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

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



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