

CHAMPION

SERIES

hammermill



tough enough for the daily grind.

CHAMPION
— **SERIES** —
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Particle-size reduction is no small feat

No matter your industry—from oilseed to ethanol—animal feed to biomass—there's a Champion Hammermill designed to meet your particle-size reduction needs. With heavy-duty construction built to the highest industry standards, they're ready to handle the most demanding applications, day in and day out.

Champion Hammermills come equipped with standard features that maximize uptime and make maintenance a breeze, and optional add-ons can customize your machine to your specifications. Either way, Champion Hammermills deliver the output, dependability, and efficiency you need, backed by the most comprehensive support system in the industry. Because when it comes to grinding, you can count on the biggest name in quality and reliability: Champion Hammermills.

Quality from the ground up

It all starts with a heavy-duty base manufactured from carbon steel. There's a dual position rotor that's dynamically balanced beyond industry standard. The Champion Hammermill's sliding door design gives it a smaller footprint and makes the grind chamber easily accessible for maintenance.

That grinding chamber is full of features that maximize efficiency and durability, including an air-swept design and regrind chamber that prevents material from rotating within the grinding chamber. What this adds up to is easy installation, simple maintenance, and optimum performance for the long life of your hammermill.

More power for your investment

What else do you look for in a hammermill? Champion Hammermills are capable of fine grinding either friable or fibrous materials, and come standard with:

- Coarse and fine hammer positions
- Bearing temperature probes for safety and efficiency
- Bidirectional rotor that increases hammer and screen life
- State-of-the-art trapped key interlock systems
- Fully adjustable vibration safety switches
- Laser-cut hammers made of rugged tungsten carbide

Higher output, lower costs

Your Champion Hammermill is engineered for maximum efficiency and a long life. While the bidirectional rotor assures even wear, the feed inlet runs the entire length of the grinding chamber, so you get even feeding and efficient operation in either rotation. Inside the grinding chamber, wear liners are easily replaceable to extend the life of the housing. Along with the bidirectional flow director, they're fabricated from abrasion-resistant plate steel for heavy-duty wear.

We've designed all of these features to work smarter and harder, so your hammermill meets your production goals for lower operating costs. That's why when it comes to your equipment from CPM, you can count on knowing that it just runs.

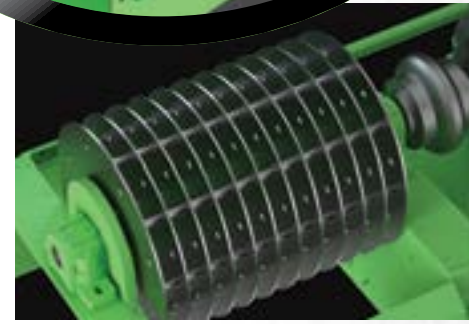
built for performance.

Specifications and Dimensions

Model	Rotor diameter in (mm)	Screen area feet ² (meters ²)	RPM	Tip speeds ft/min (meters/min)	HP range	Aspiration requirements (CFM)
11.5x38	38 (965)	104 (31.5)	1,800/1,500	17,898/14,915 (5,455/4,546)	60-100	1,553 – 1,863
15x38	38 (965)	135 (41.1)	1,800/1,500	17,898/14,915 (5,455/4,546)	75-125	2,025 – 2,430
20x38	38 (965)	180 (54.9)	1,800/1,500	17,898/14,915 (5,455/4,546)	100-150	2,700 – 3,240
30x38	38 (965)	270 (82.3)	1,800/1,500	17,898/14,915 (5,455/4,546)	150-200	4,050 – 4,860
40x38	38 (965)	360 (109.7)	1,800/1,500	17,898/14,915 (5,455/4,546)	200-300	5,400 – 6,480
48x38	38 (965)	429 (130.8)	1,800/1,500	17,898/14,915 (5,455/4,546)	300-350	6,480 – 7,722
11.5x44	44 (1,118)	115 (35)	1,800/1,500	20,730/17,275 (6,319/5,265)	60-100	1,725 – 2,588
15x44	44 (1,118)	150 (45.7)	1,800/1,500	20,730/17,275 (6,319/5,265)	100-150	2,250 – 2,700
20x44	44 (1,118)	200 (61)	1,800/1,500	20,730/17,275 (6,319/5,265)	125-200	3,000 – 3,600
30x44	44 (1,118)	300 (91.4)	1,800/1,500	20,730/17,275 (6,319/5,265)	200-300	4,500 – 5,400
40x44	44 (1,118)	400 (121.9)	1,800/1,500	20,730/17,275 (6,319/5,265)	250-350	6,000 – 7,200
48x44	44 (1,118)	480 (146.3)	1,800/1,500	20,730/17,275 (6,319/5,265)	300-450	7,200 – 8,640
15x54	54 (1,372)	185 (56.4)	1,500	21,201 (6,462)	100-200	2,775 – 3,330
20x54	54 (1,372)	247 (75.2)	1,500	21,201 (6,462)	150-250	3,700 – 4,440
30x54	54 (1,372)	370 (112.8)	1,500	21,201 (6,462)	200-300	5,550 – 6,660
40x54	54 (1,372)	493 (150.4)	1,500	21,201 (6,462)	300-450	7,400 – 8,880



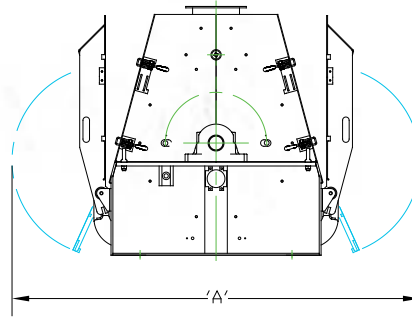
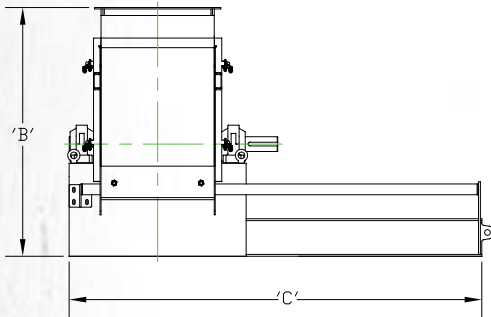
Grind chamber



Rotor and bearings

The right size for your job

Model	Dimension A in (mm)	Dimension B in (mm)	Dimension C in (mm)
11.5x38	100.25 (2,546)	57.25 (1,454)	85 (2,159)
15x38	100.25 (2,546)	57.25 (1,454)	90 (2,286)
20x38	100.25 (2,546)	57.25 (1,454)	95 (1,454)
30x38	100.25 (2,546)	57.25 (1,454)	110 (2,794)
40x38	100.25 (2,546)	57.25 (1,454)	120 (3,048)
48x38	100.25 (2,546)	57.25 (1,454)	130 (3,302)
11.5x44	106.5 (2,705)	67.25 (1,708)	80 (2,032)
15x44	106.5 (2,705)	67.25 (1,708)	85 (2,159)
20x44	106.5 (2,705)	67.25 (1,708)	100 (2,540)
30x44	106.5 (2,705)	67.25 (1,708)	110 (2,794)
40x44	106.5 (2,705)	67.25 (1,708)	121 (3,073)
48x44	106.5 (2,705)	67.25 (1,708)	129 (3,277)
15x54	131.25 (3,334)	79.25 (2,013)	95 (2,413)
20x54	131.25 (3,334)	79.25 (2,013)	105 (2,667)
30x54	131.25 (3,334)	79.25 (2,013)	115 (2,921)
40x54	131.25 (3,334)	79.25 (2,013)	125 (3,175)



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CONTACT US

To learn more about our hammermills and other processing equipment, contact a Roskamp Champion representative or visit cpm.net today.

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