

CHAMPION SERIES HAMMERMILL

Champion Series Hammermill Specifications

It's called the Champion for a reason. Champion series hammermills come in a wide range of sizes and specifications. And with more than 70 years of industry experience, CPM can match you with the one that best meets your needs.

| Model | Dimension A | Dimension B | Dimension C |
|---------|-------------|-------------|-------------|
| 11.5x38 | 100.25" | 57.25" | 85" |
| 15x38 | 100.25" | 57.25" | 90" |
| 20x38 | 100.25" | 57.25" | 95" |
| 30x38 | 100.25" | 57.25" | 110" |
| 40x38 | 100.25" | 57.25" | 120" |
| 48x38 | 100.25" | 57.25" | 130" |
| 11.5x44 | 106.5" | 67.25" | 80" |
| 15x44 | 106.5" | 67.25" | 85" |
| 20x44 | 106.5" | 67.25" | 100" |
| 30x44 | 106.5" | 67.25" | 110" |
| 40x44 | 106.5" | 67.25" | 121" |
| 48x44 | 106.5" | 67.25" | 129" |
| 15x54 | 131.25" | 79.25" | 95" |
| 20x54 | 131.25" | 79.25" | 105" |
| 30x54 | 131.25" | 79.25" | 115" |
| 40x54 | 131.25" | 79.25" | 125" |

Roskamp Champion's Strategic Advantage

The ability to deliver to the customer the best "Value Package."

In other words, in the long-term, when all things are considered we offer customers equipment and services that represent the lowest operating cost solution.



**ROSKAMP
CHAMPION**
Your Partner in Productivity

Built for performance. Built to last.

Designed for the most demanding applications, the heavy-duty Champion hammermill comes in a variety of sizes and models to match nearly any particle size reduction need.

Built to the highest standards in the industry, Champion hammermills include a heavy-duty base, a patented regrind chamber and sliding doors for full access during maintenance.

Roskamp Champion delivers the best value package available, period. Make Champion hammermills your partner in productivity.



Champion 40x44



**ROSKAMP
CHAMPION**
Your Partner in Productivity

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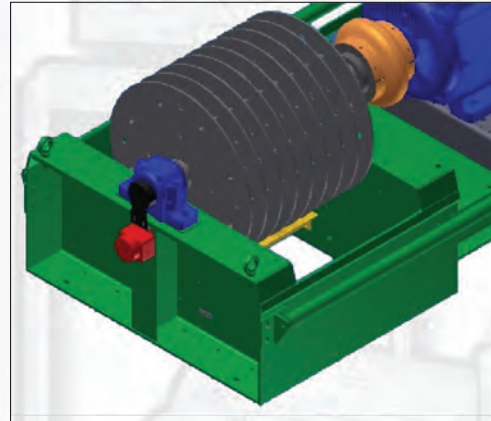
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Champion Series Hammermill Specifications

Machine Base— Quality from the Ground Up

- Mill base is manufactured from 1/2" carbon steel.
- Maintains strict power train alignment and provides efficient energy transfer.
- Bearing supports fabricated from 3/4" carbon steel.



Rotor and Bearings

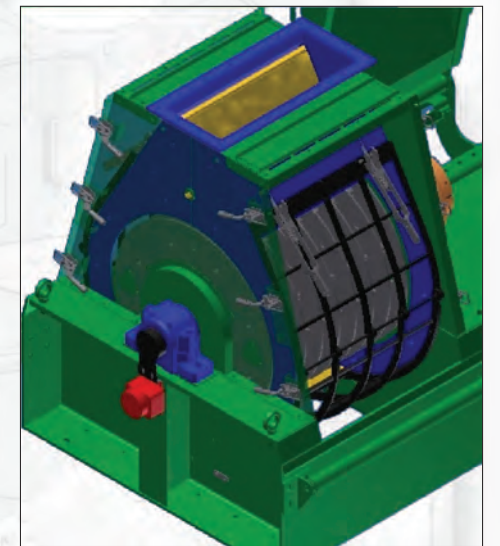
- Dual position rotor with coarse and fine hammer positions.
- Dynamically balanced using the latest technology—two grades higher than industry standard.
- Rotor shaft machined from high-strength alloy steel.
- Pillow block bearings support both ends of the rotor, maintaining positive rotor position.
- Bearing temperature probes are standard for safe and efficient operation.

Housing and Doors

- Sliding door design minimizes floor space while providing full access to the grinding chamber for easy maintenance.
- Easily replaceable AR235 wear liners assure complete sealing of grind chamber while extending the life of the housing.
- Doors secured with heavy-duty, over-center clamps.

Grinding Chamber

- Feed inlet runs the full width of the machine, providing even feeding and efficient operation in either rotation.
- Bi-directional flow director and wear liners are fabricated from abrasion-resistant plate steel for maximum life.
- Air swept design reduces dead air space in the housing for more efficient air flow.
- Patented regrind chamber increases efficiency and capacity by preventing material from rotating within the grinding chamber.
- Hammers are laser cut and heat treated for consistency and maximum durability. Rugged tungsten carbide hardface matrix ensures long hammer life.
- Hammer sets are balanced for optimum performance and easy installation.



Standard Features

- State-of-the-art trapped key interlock system
- Safety labels and manuals in any language
- Fully adjustable vibration safety switch
- Motor coupling and guard
- Bearing temperature probe
- All standard features included at no additional charge

| Model | Screen Area (in ²) | RPM | Tip Speeds (ft/min) | Rotor Diameter (inches) | HP Range | Aspiration Requirements (CFM) |
|---------|--------------------------------|-----------|---------------------|-------------------------|----------|-------------------------------|
| 11.5x38 | 1,242 | 1800/1500 | 17898/14915 | 38 | 60-100 | 1553 - 1863 |
| 15x38 | 1,620 | 1800/1500 | 17898/14915 | 38 | 75-125 | 2025 - 2430 |
| 20x38 | 2,160 | 1800/1500 | 17898/14915 | 38 | 100-150 | 2700 - 3240 |
| 30x38 | 3,240 | 1800/1500 | 17898/14915 | 38 | 150-200 | 4050 - 4860 |
| 40x38 | 4,320 | 1800/1500 | 17898/14915 | 38 | 200-300 | 5400 - 6480 |
| 48x38 | 5,148 | 1800/1500 | 17898/14915 | 38 | 300-350 | 6480 - 7722 |
| 11.5x44 | 1,380 | 1800/1500 | 20730/17275 | 44 | 60-100 | 1725 - 2588 |
| 15x44 | 1,800 | 1800/1500 | 20730/17275 | 44 | 100-150 | 2250 - 2700 |
| 20x44 | 2,400 | 1800/1500 | 20730/17275 | 44 | 125-200 | 3000 - 3600 |
| 30x44 | 3,600 | 1800/1500 | 20730/17275 | 44 | 200-300 | 4500 - 5400 |
| 40x44 | 4,800 | 1800/1500 | 20730/17275 | 44 | 250-350 | 6000 - 7200 |
| 48x44 | 5,760 | 1800/1500 | 20730/17275 | 44 | 300-450 | 7200 - 8640 |
| 15x54 | 2,220 | 1500 | 21201 | 54 | 100-200 | 2775 - 3330 |
| 20x54 | 2,960 | 1500 | 21201 | 54 | 150-250 | 3700 - 4440 |
| 30x54 | 4,440 | 1500 | 21201 | 54 | 200-300 | 5550 - 6660 |
| 40x54 | 5,920 | 1500 | 21201 | 54 | 300-450 | 7400 - 8880 |

“CPM has the best all-around equipment. They’ve stood the test of time.”

—Richard Morrison, Feed Mill Manager
Koch Foods Inc., Morton, MS

