



15 Series *Liberator* Hammer Mill for Carpet

Carpet is not free flowing and therefore requires unique handling. Our state-of-the-art *Liberator* hammer mill combines a proprietary hammer, screen and liner design that results in the most efficient processing of this difficult material. We even control the dwell time to achieve your goals. This proven, time-tested technology built into every *Liberator* will allow you to achieve the highest degree of fiber-backing liberation and lowest possible ash content.

The *Liberator* is available in several sizes to match your hourly production goals and is designed to run 24-7. Schutte-Buffalo, along with our partners in the material handling field, can provide a fully integrated, turnkey system using *Liberator* technology. From whole carpet in, to clean fiber out, our systems work efficiently, economically and safely.

Applications:

- Post-Consumer Carpet
- Post-Industrial Carpet
- Nylon 6
- Nylon 66
- Polypropylene

15 Series *Liberator* Technical Specifications

Model	Housing	Shaft Diameter	Rotor Width	Bearings	Screen Area	Weight	Horsepower	Processing Capacity*
1580	3/4" (20mm)	3 1/4" (80mm)	24" (610mm)	2 15/16" (75mm)	1680 sq inches (10840 sq cm)	6700 lbs (3040 kg)	150 hp (110 kW)	2000 - 2500 lbs/hr
1590	1" (25mm)	5" (130mm)	36" (910mm)	3 7/16" (90mm)	2520 sq inches (16260 sq cm)	7900 lbs (3580 kg)	200 hp (150 kW)	3000 - 3500 lbs/hr
15100	1" (25mm)	6 3/8" (160mm)	48" (1220mm)	3 7/16" (90mm)	3360 sq inches (21680 sq cm)	9000 lbs (4080 kg)	300 hp (220 kW)	4000 - 5000 lbs/hr
15200	1" (25mm)	6 3/8" (160mm)	60" (1530mm)	3 7/16" (90mm)	4200 sq inches (27100 sq cm)	13890 lbs (6300 kg)	400 hp (300 kW)	5000 - 6000 lbs/hr
15300	1" (25mm)	6 3/8" (160mm)	72" (1830mm)	4 7/16" (110mm)	5040 sq inches (32520 sq cm)	16000 lbs (7260 kg)	500 hp (375 kW)	7000 - 8000 lbs/hr

**Actual capacity based on size of pre-shredded infeed material, screen size employed and pneumatic discharge system efficiency.*



No machine produces a cleaner fiber than the *Liberator*.

Key Features:

- 44" rotor diameters produce high hammer tip speed at 1,800 RPM.
- Screen discharge areas from 1,680 and 5,040 square inches.
- Perforated screens and/or heavy-duty grates.
- Heavy plate construction and internal ribbed liner plates made from abrasion resistant steel.
- Several styles of four-way reversible hammers.
- 1,200 RPM motor available if required by application.