

Typical Installations

Coal

- Sampling Systems
- Prep Plants - Fine Grinding
- Power Plants

Aggregate

- Limestone

Agricultural

- Fertilizer
- Feed Plants

Recycling

- Paper Shredder
- Cardboard Tubes
- Computer Boards

Chemical Plants

- Agglomerated Material

Additional Value-Added Equipment For Your Operation

Vibrating Equipment

- Conveyors
- Electromagnetic & Electromechanical Feeders, Twin-Motor

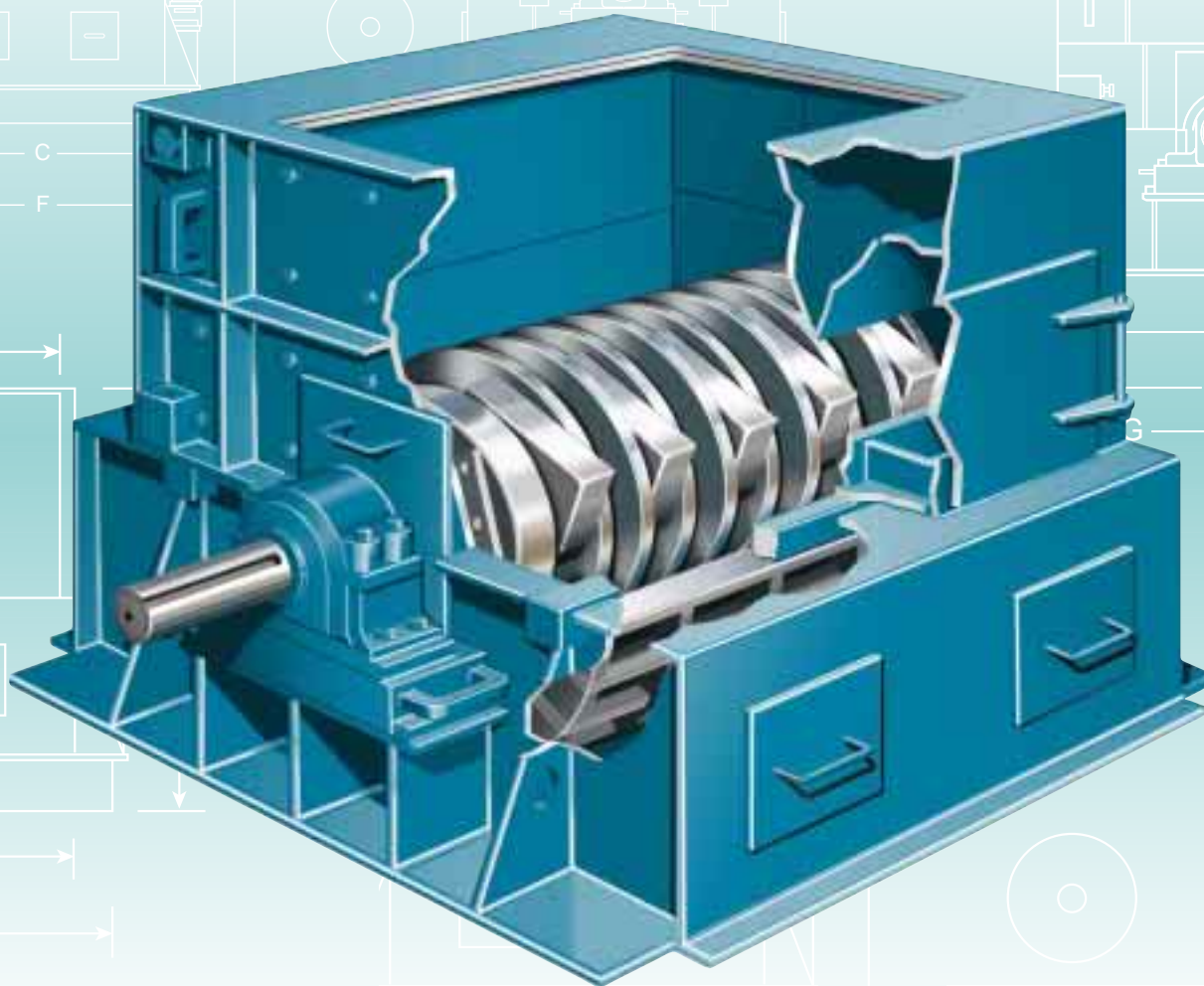
Crushers/Shredders

- Chip-sizer™
- Wood & Bark Hogs
 - Vertical Feed
 - Horizontal Feed
- Flextooth Crushers
- MSW Shredders
- Type E, Fine Grind Shredder
- Reversible Impactors
- Rubber Shredders



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JEFFREY AB Hammermills



Versatile, High-Capacity Pulverizers & Crushers Reduce Most Friable, Fibrous Materials

Backed by more than 90 years of application experience, each model in our complete line of Jeffrey hammermills is constructed with heavy plate steel, equipped with heavy-duty components that ensure long service life, and engineered to deliver proven performance benefits.

Unmatched Versatility

You can use Type AB hammermills in a wide variety of applications. The type of material you are reducing determines the rotor configuration, and the product size you desire determines the screen bar arrangement.

For pulverizing friable materials such as limestone, Jeffrey hammermills come with rectangular swing hammers. For shredding materials such as waste paper, fiberglass mats, or rubber—or when the application requires the machine to run at slow speed—choose rigid hammers.

Rigid, Welded, All-Steel Construction provides rugged housing for the toughest applications. Assures long life, as well as low maintenance and operating costs.

Welded Screen Bar Sections are fabricated from alloy steel. Allows more discharge area for greater capacity. Optional Perforated Plates are available for specific applications.

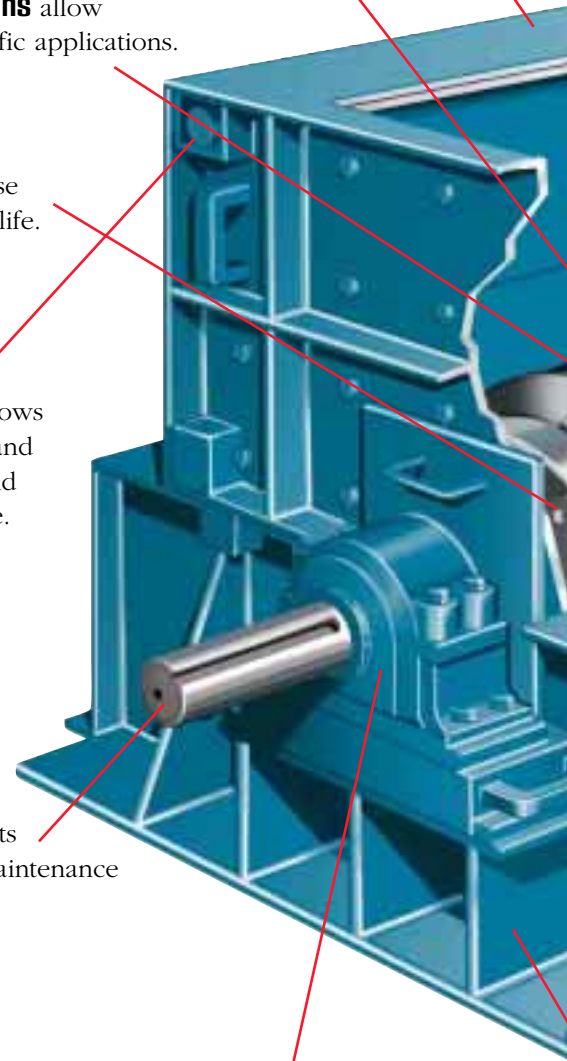
Various Rotor Configurations allow maximum flexibility for specific applications.

Large-Diameter Hammer Pins increase pin-wearing area. Promotes maximum life.

Adjustable Hinged Breaker Plate* allows exact setting for varying product sizes and accommodates plate wear. Improves end product quality and maximizes liner life.

Drilled & Tapped Rotor Shaft* permits hydraulic bearing removal. Reduces maintenance time and increases production time.

Double-Sealed Roller Bearings take the load and resist contaminants. Promotes longer service life.



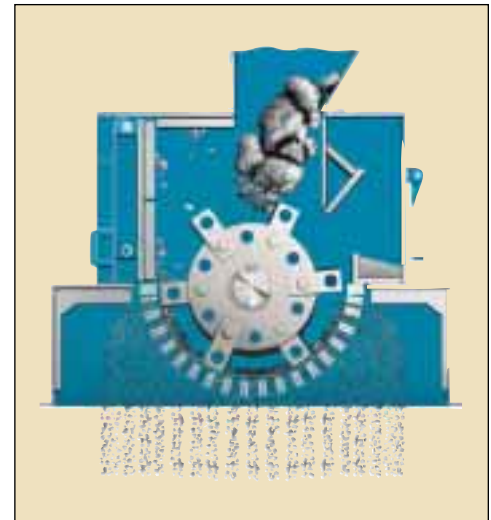
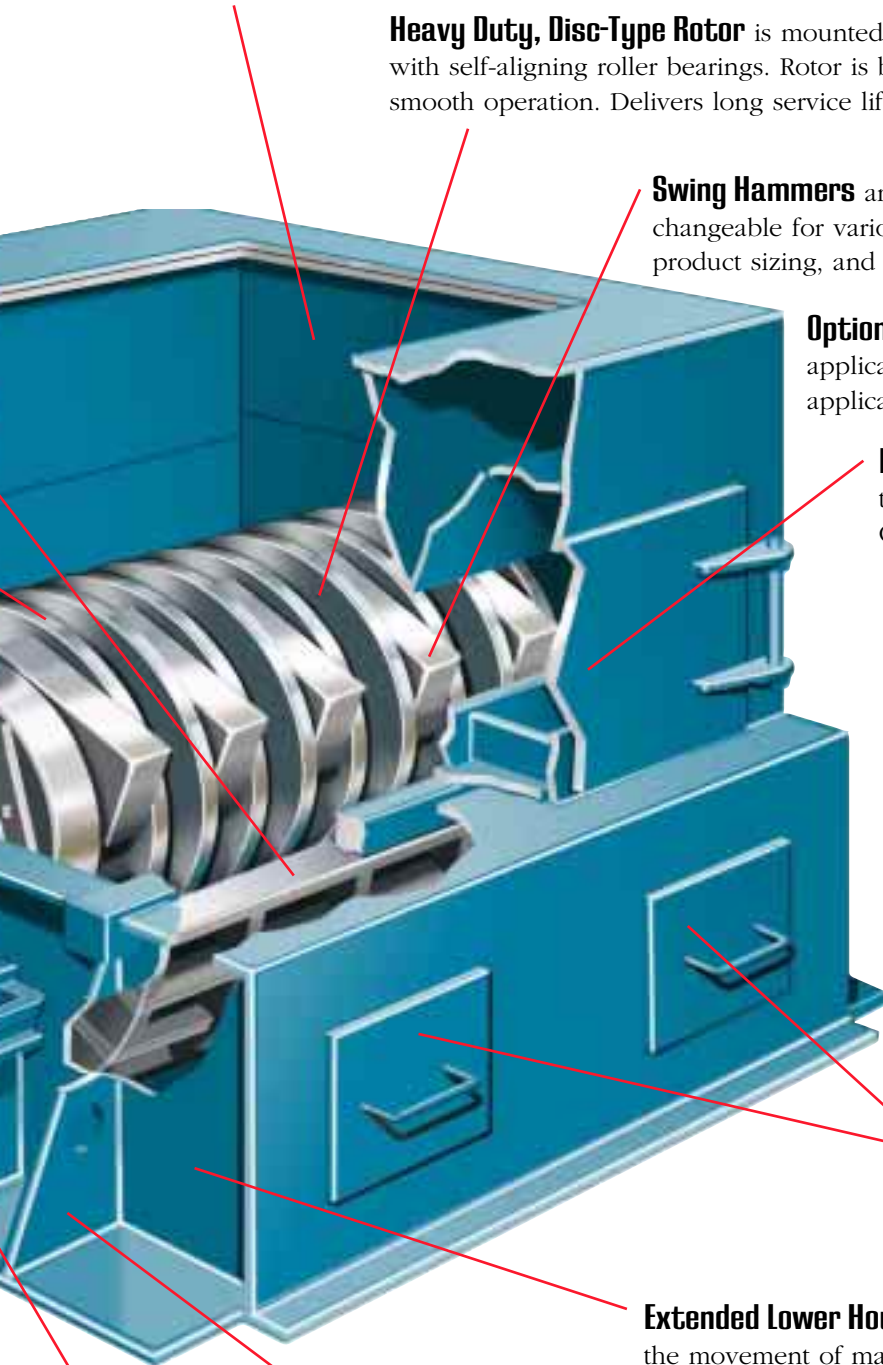
Replaceable, Hardened/Heat-Treated Liners guard against wear and heavy impact. Liners are drilled, tapped, and bolted from the outside. Assures integrity, resulting in less downtime and lower repair costs.

Heavy Duty, Disc-Type Rotor is mounted on high-strength, alloy steel shaft with self-aligning roller bearings. Rotor is balanced statically and dynamically for smooth operation. Delivers long service life.

Swing Hammers are available in several configurations and interchangeable for various product sizing. Assures longer life, consistent product sizing, and lower operating costs.

Optional Rigid Hammers can be installed for slow-speed applications or harder-to-shred materials. Allows greater application flexibility.

Readily Accessible Rear Doors open to allow access to the hammermill for inspection and maintenance. Cuts maintenance time and simplifies repair efforts.



Large, Clean-Out Inspection Covers & Doors are easily accessed.

Extended Lower Housing* With 180° Product Discharge Area aids the movement of material and reduces the tendency to plug. Increases effective capacity, reduces horsepower requirements, and lowers operating costs.

Jeffrey's Hammermill Frames are constructed from heavy plate. Ensures long service life.

Bearing Fill Block permits easier bearing removal and eliminates the necessity of removing the rotor. Reduces maintenance time and costs.

* Supplied with Model 44AB and larger hammermills.

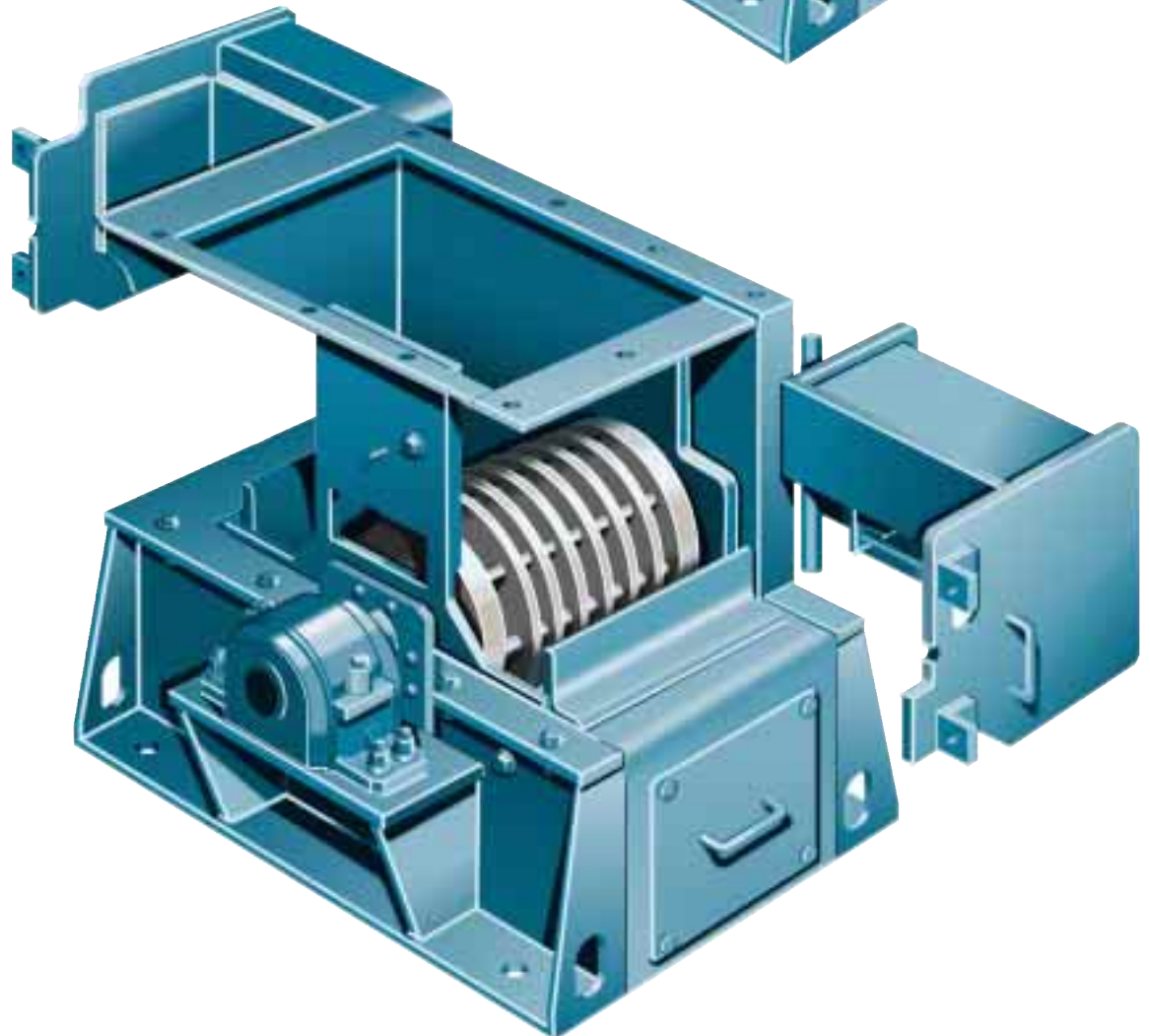
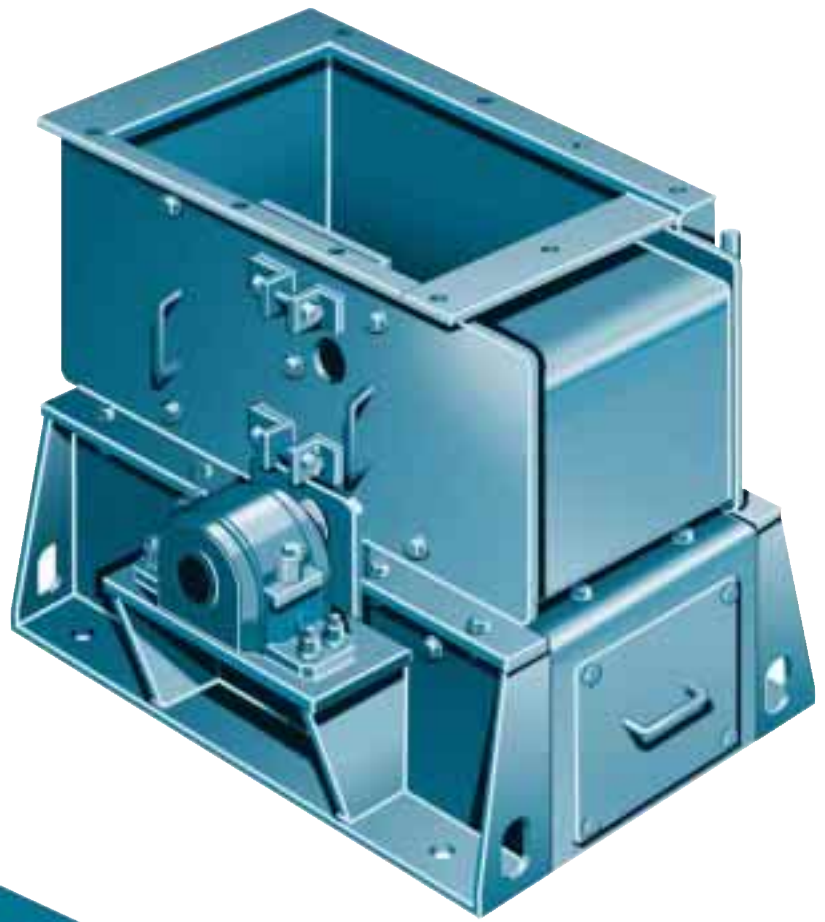
Junior “E” Mini-Mill™ 30AB & 34AB Models

Easy Access & Ruggedly Built

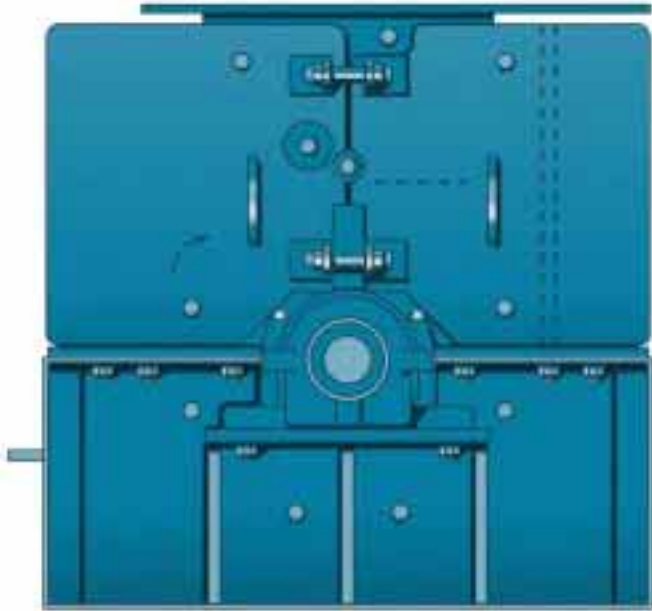
Jeffrey incorporates hinged swinging doors on our small hammer-mills—allowing optimum access, while maintaining durability.

These units are ideal in moderate volume applications where changing material specifications are required.

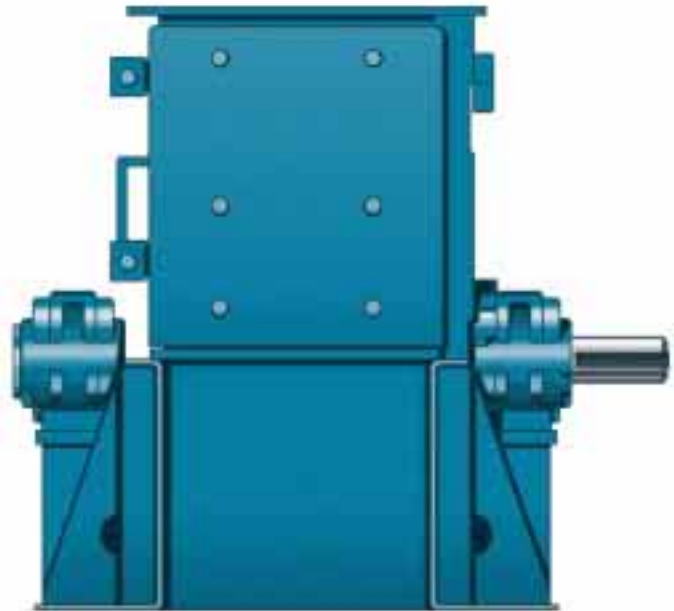
These small-to-medium-sized units include the same features as Jeffrey’s large hammermills.



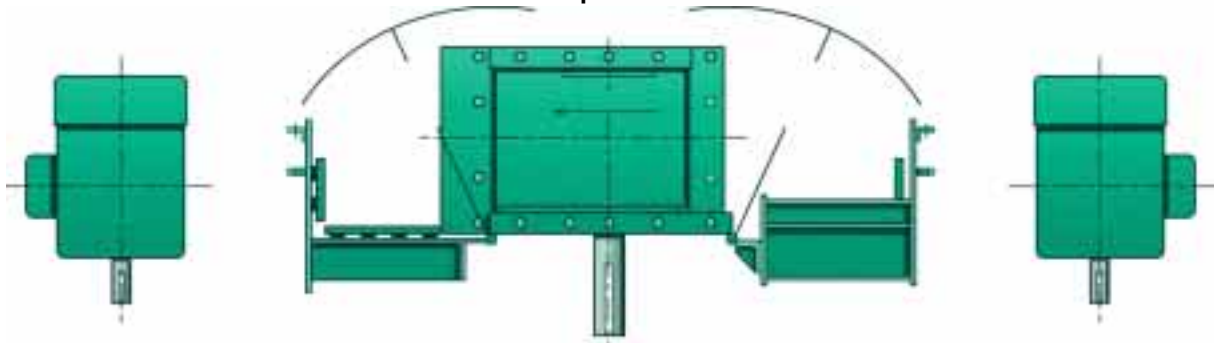
Side View



Front View



Open Door



Junior "E", Mini-Mill, 30AB, & 34AB Specifications & Dimensions

Model Number	Unit Weight Pounds	Dimensions in Inches (Approximate)*											
		Shaft Diameter	Rotor Size		Feed Opening			Discharge Opening		Height	Width	Length	Clearance ***
			Diameter	Length	A	B**	C	D	E				
JR "E"	420	2-3/16	12	9	8	8	4	8	21	21	22	18	16
Mini-Mill	1,300	2-7/16	20	12	12	18	7	12	31	31	32	27	20
30AB	3,000	3-3/8	24	21	21	21	9	23	35	36	40	42	43
34AB	3,900	3-1/2	24	33	33	21	9	34	35	36	40	54	60

* Certified drawings contain exact dimensions.
 ** Maximum feed opening; cover plate available to reduce opening to alternate standard size.
 *** R-Space is required to remove hammer pins and/or breaker bar (non-drive side only).

Specifications subject to change without notice.

Type 40AB thru 59AB Models

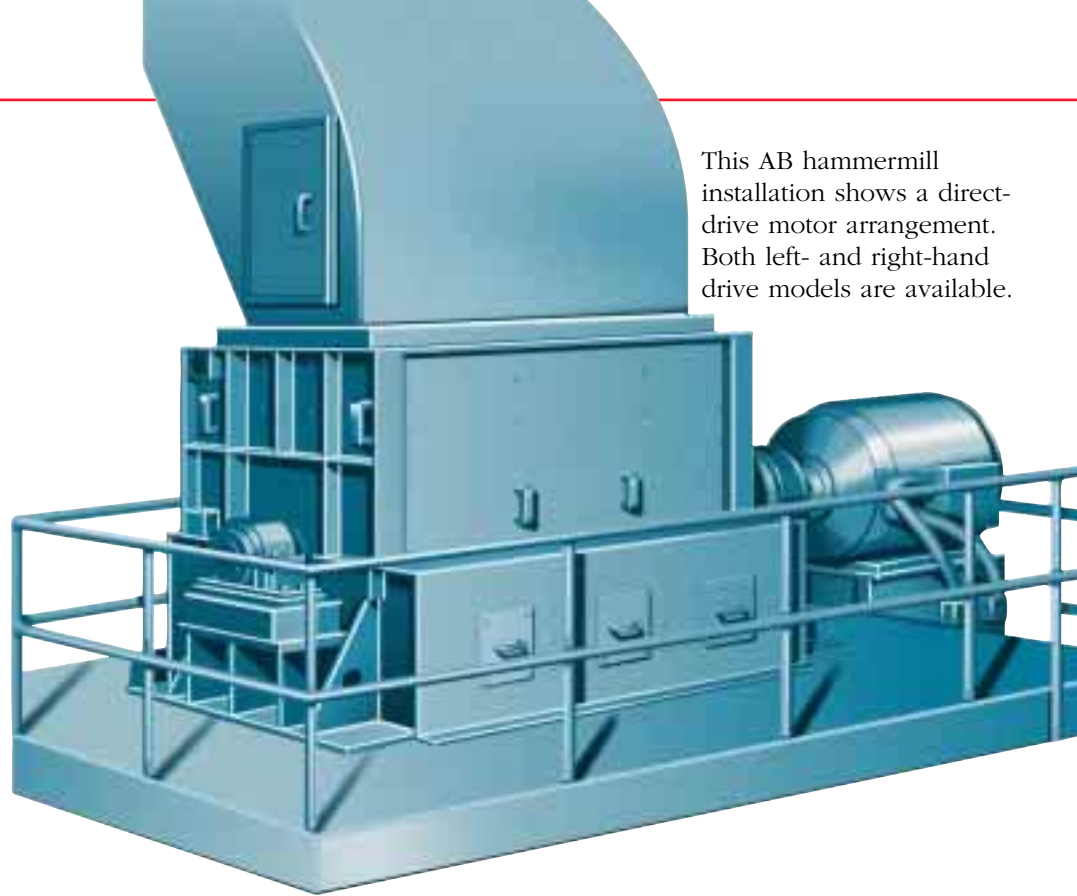
Feature Extended Bases & Adjustable Hinged Breaker Plate For Added Capacity

All these larger models have extended lower housings that reduce the possibility of material plugging between the screen bars and the lower frame. This increases effective capacity and reduces horsepower requirements. They also feature an adjustable hinged breaker plate, held in position on the lower end by retaining pins.

Type 40AB-59AB hammermills are constructed of heavy welded steel and designed to handle a wide variety of materials. You can choose the proper unit for your specific application from a range of crusher sizes to produce a more acceptable end product for today's markets.

In addition, these units feature an all-steel, rigid box construction with an integral metal trap. The replaceable liners are drilled and tapped, and bolts are inserted from the outside to prevent the bolt heads or nuts from wearing away internally. The heavy-duty rotor is assembled with an alloy steel shaft and self-aligning spherical roller bearings.

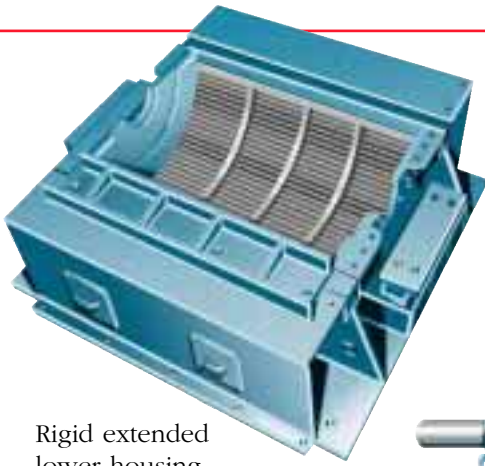
This AB hammermill installation shows a direct-drive motor arrangement. Both left- and right-hand drive models are available.



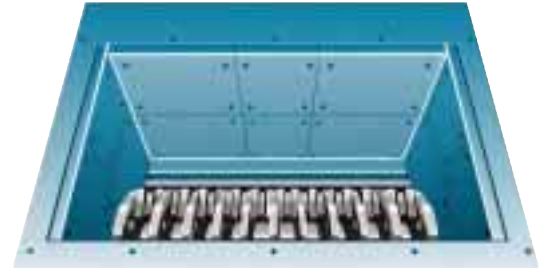
Pivoted breaker plate shown with cover removed.



Hinged doors on these larger models provide easy access to metal trap.

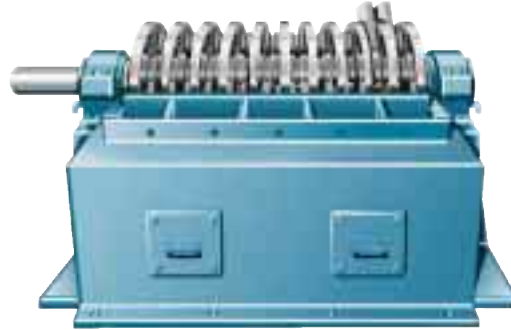


Heavy-duty rotor shown assembled with alloy steel shaft and supported by spherical roller bearings.

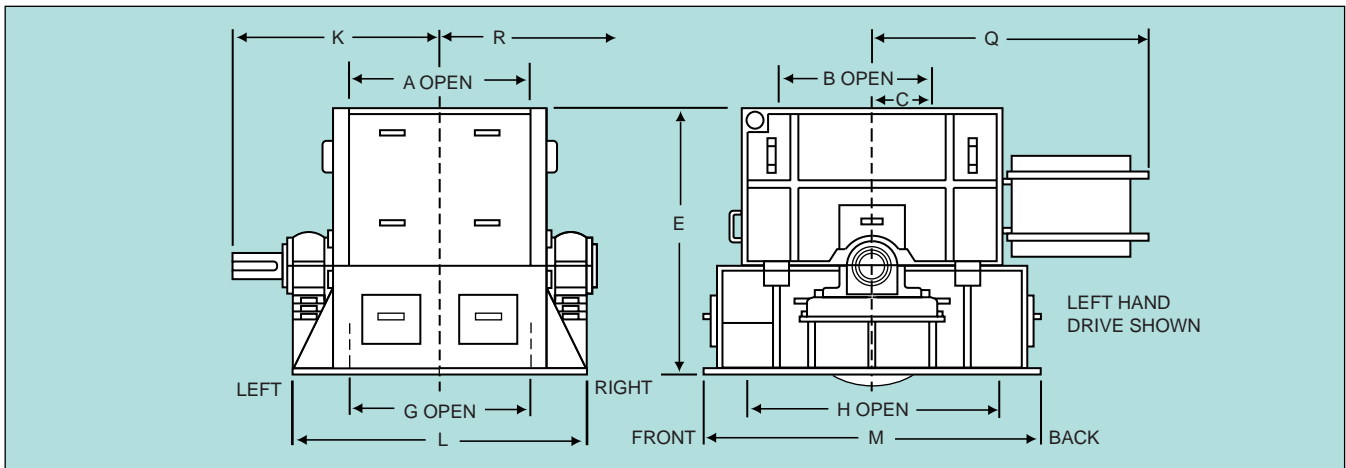


Top view of rotor and liners. Note all liners are drilled and tapped. Bolts are removable from the outside.

Rigid extended lower housing shown with welded, reinforced screen bars mounted below the rotor.



Type 40AB - 59AB Specifications & Dimensions



Model Number	Nominal Capacity TPH		Unit Weight lbs.	Rotor Weight lbs.	Rotor WR ² lb-ft ²	Shaft Dia.	Dimensions in Inches (Approximate)**													
	less than 1-3/4" ^{**}	less than 1/4" ^{**}					Rotor Size			Feed Opening			Discharge Opening		Height	Width	Length	C.L to Shaft	Clearances	
							Dia.	Length	A	B [†]	C	G	H	E	M	L	K	R ^{††}	Q	
40AB	150	50	6,800	1,900	850	7	29	41	42	18	2	42	53	46	60	55	41	64	50	
44AB	130	50	9,000	2,118	1,010	7	32	35	34	28	10	35	57	51	63	56	42	62	49	
45AB	175	60	9,880	2,715	1,260	7	32	41	42	29	10	44	57	51	63	64	46	65	53	
47AB	225	80	14,500	4,130	2,520	8	32	59	60	28	10	60	49	54	63	87	58	100	64	
54AB	180	65	12,980	3,440	2,474	9	40	34	33	35	15	32	77	63	83	62	48	65	56	
55AB	210	75	16,500	5,061	3,340	9	40	44	43	35	16	46	77	63	83	72	53	81	62	
56AB	280	100	18,500	6,103	4,140	9	40	54	54	35	16	56	77	63	83	82	58	96	67	
58AB	330	125	27,000	7,812	5,040	10	40	65	64	35	16	64	77	63	84	98	69	113	73	
59AB	380	140	30,925	8,743	6,000	10	40	76	75	35	16	74	77	63	84	109	74	129	78	

* Typical for medium-hard limestone; 90% passing square screen opening.

** Certified drawings contain exact dimensions.

† Maximum feed opening; cover plate available to reduce opening to alternate standard size.

†† R-Space is required to remove hammer pins and/or breaker bar (non-drive side only).