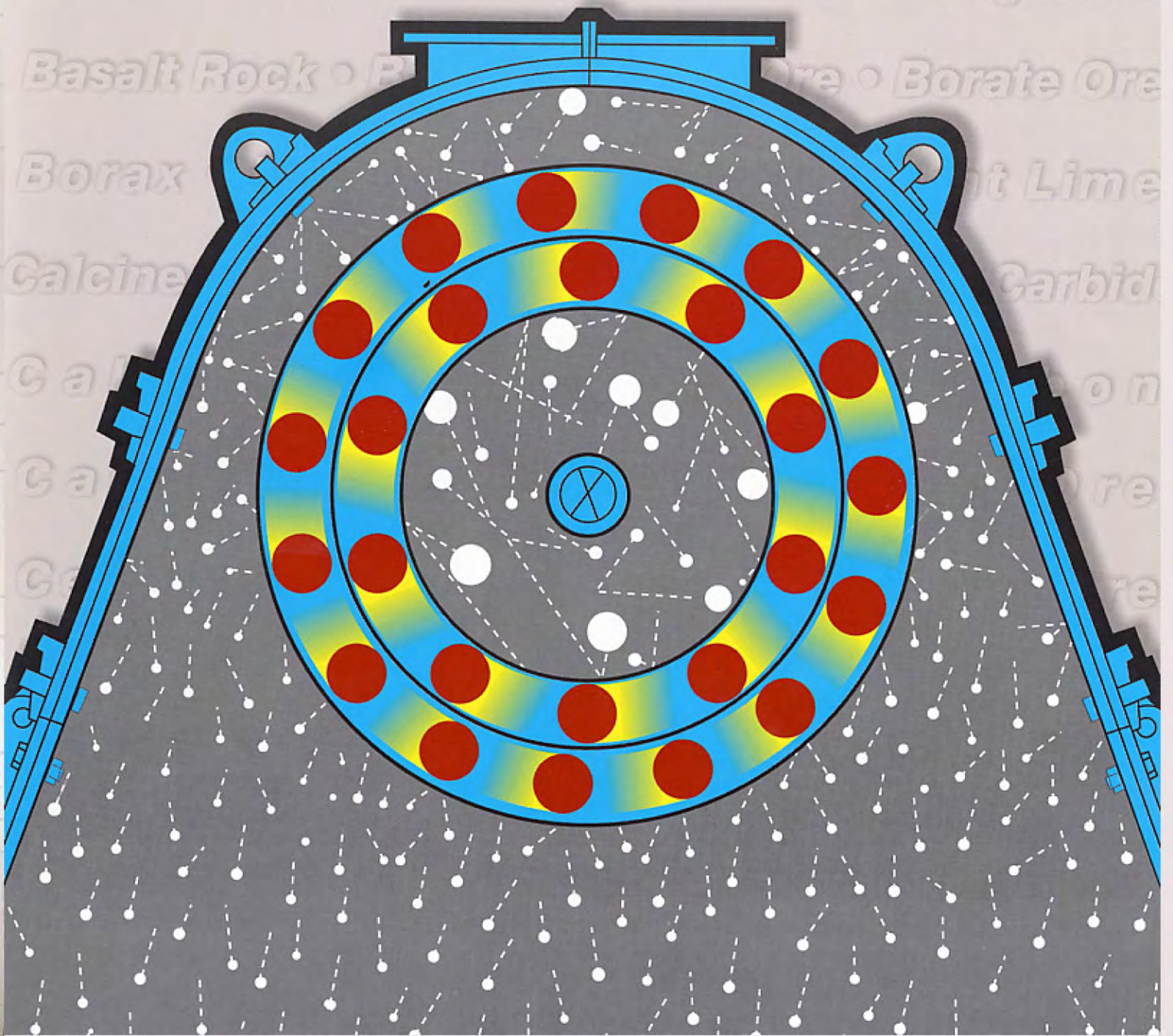
STEDMAN

Your Solution To Size Reduction

Flared Series
MULTI-ROW CAGE MILLS



Stedman Flared Series Multi-Row Cage Mills

Eliminates Plugging and Reduces Downtime

Stedman has virtually eliminated the problem of clogging and plugging when grinding wet and sticky materials –either abrasive or nonabrasive.

The unique flared housing design of the Stedman Multi-Row Cage Mill allows the wettest and stickiest material to be reduced without the costly downtime necessary for cleaning hammermills and competitive type mills.

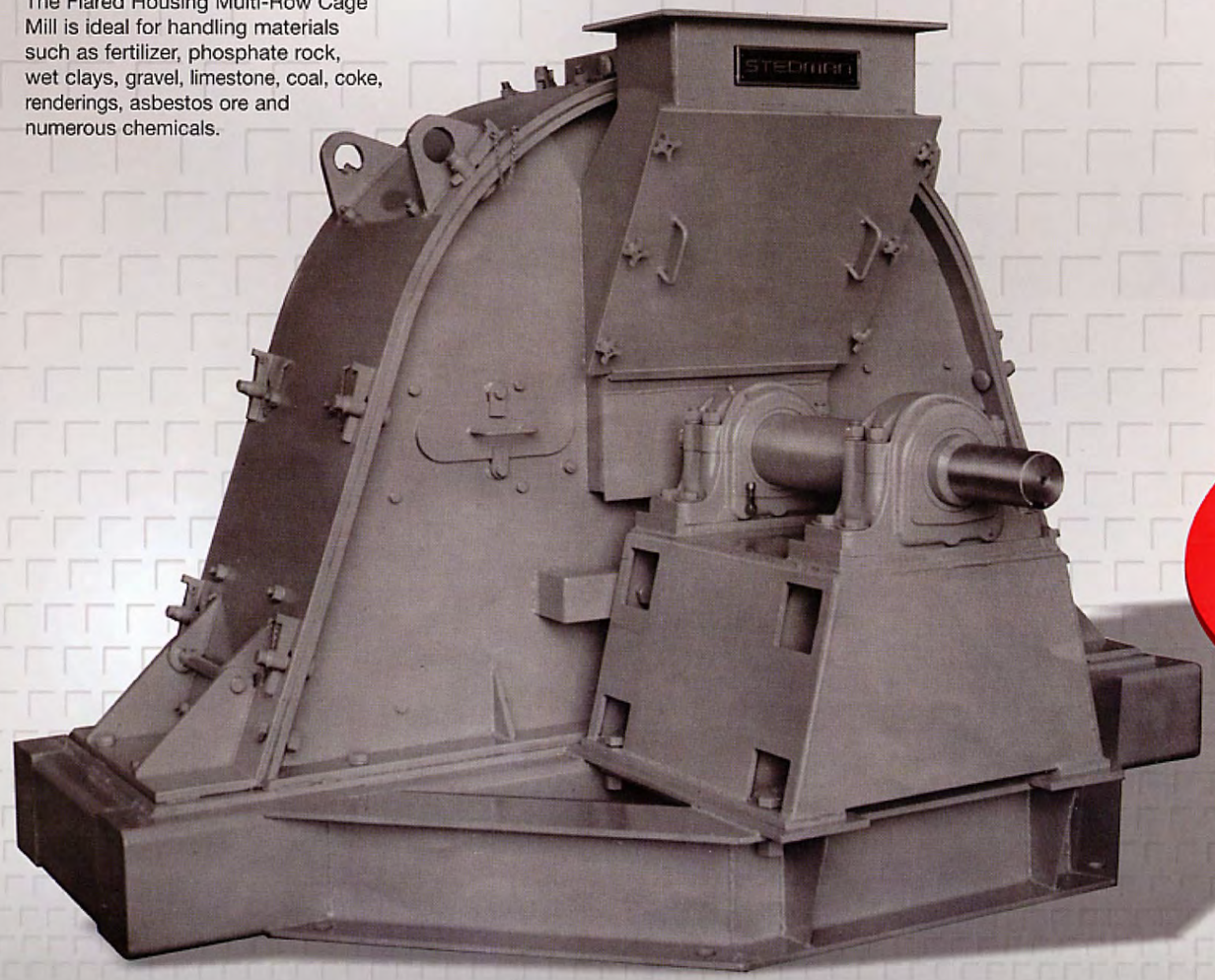
The Flared Housing Multi-Row Cage Mill is ideal for handling materials such as fertilizer, phosphate rock, wet clays, gravel, limestone, coal, coke, renderings, asbestos ore and numerous chemicals.

Flared Design:

The unique flared design of the housing eliminates corners that trap material thus resulting in no clogging or downtime to clean. One customer reports an increase of 50% in production time and at less cost for maintenance compared to the machine previously used.

Double the Impact:

The multi-row cage design takes product material into the center of the inner-cage where it impinges on the cage impact bars and is hurled by centrifugal force into the path of the counter rotating outer cage bars. This multi-stage impaction doubles the impact force and results in greater product reduction with minimum mill speed and wear.



Many Exclusive Features

Easy Access for Maintenance:

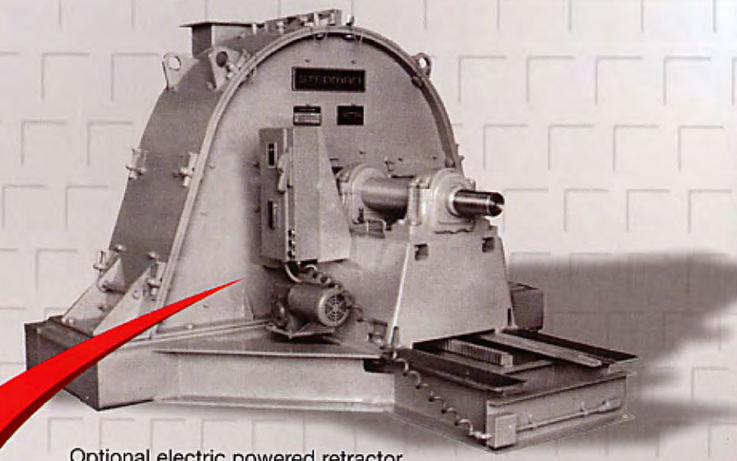
Standard on the Flared Housing Design is a manually operated retractor which opens the crusher by backing off in one assembly the shaft, bearings and cage, that are driven from that side of the pedestal. Maintenance then can be accomplished quickly and easily without special tools or lift trucks. The retractor, a Stedman exclusive, requires only minimal torque to operate. (Optional electric powered retractor, shown below.)

Complete Versatility:

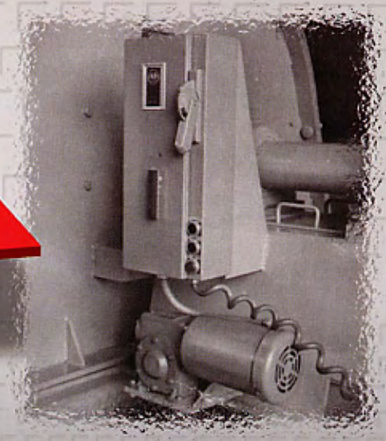
The Stedman Flared Housing Design produces product specifications with the highest yields. Merely changing the cage speed can vary the yield depending on production requirements.

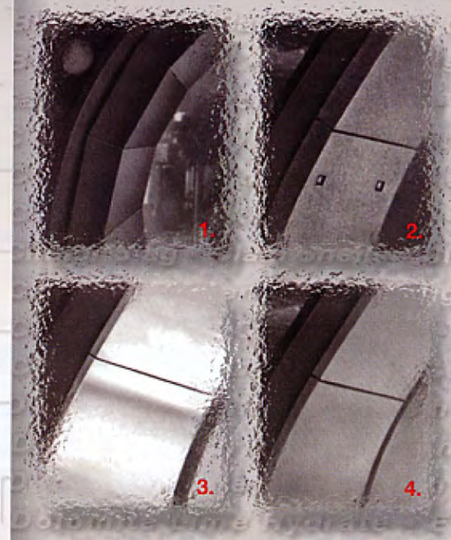
Maximum Economy:

The Flared Housing Design offers extremely high capacities for the initial investment and at a minimum operating cost. Capacities to 500 TPH are available.



Optional electric powered retractor opens the crusher by backing off in one assembly the shaft, bearings and cage that are driven from that side of the pedestal.





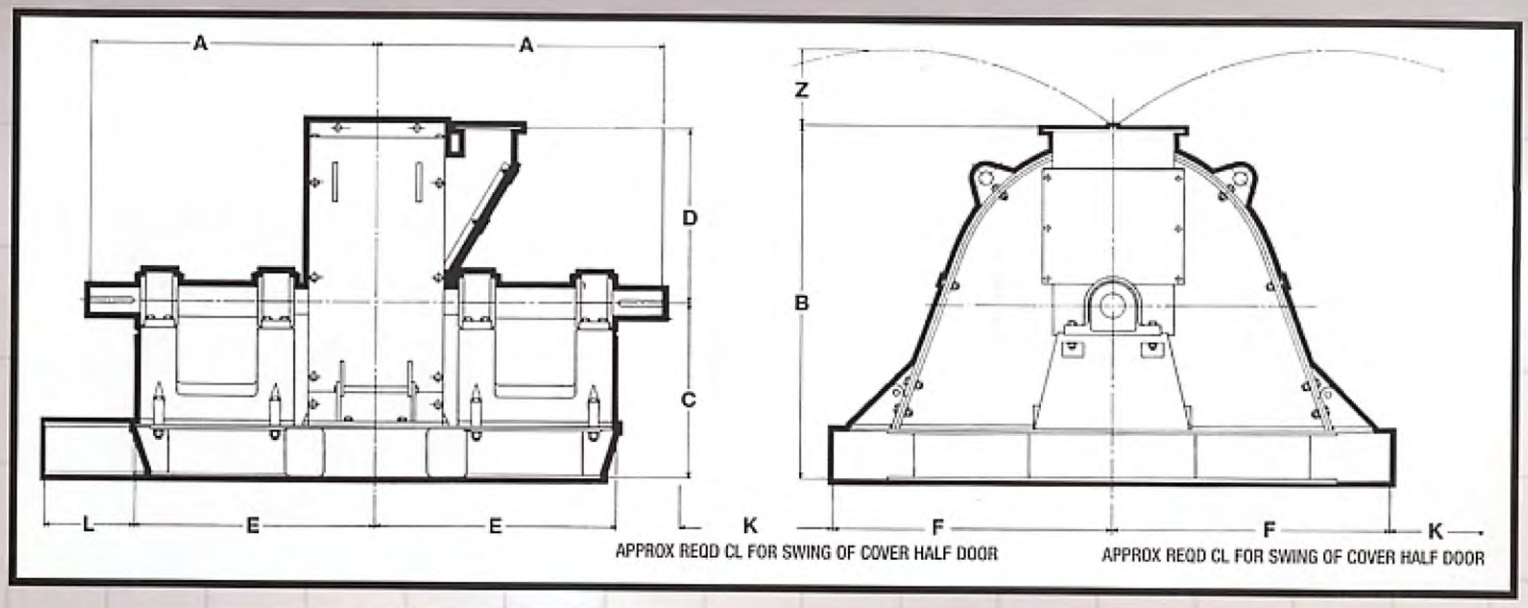
Available Linings for Your Specific Application:

1. **Rubber:** Recommended for extremely sticky materials. Best results are achieved when some oversize material is present.

2. **Ni-Hard:** Proven through many years of field service to be unequaled in processing a severely abrasive material and semi-coarse product.

3. **Stainless Steel:** Designed for the reduction of corrosive and wet/sticky feed material and where high temperature conditions exist. Type 304 is standard. Other types available.

4. **Abrasion Resistant Steel:** Standard of the industry for minimum replacement cost and simplicity. Can be used for nonabrasive or abrasive material and is very acceptable when producing a fine product.



Model	A	B	C	D	E	F	K	L	Z
F30	40 5/8	46 3/8	22 3/8	15	34 1/2	37 1/2	36	22	10 1/2
F36	44 1/2	54 1/2	27 1/2	24	37 1/2	42 1/2	40	24	11
F44	53 3/8	66 1/8	33 1/2	32	44	51 3/4	49	32	13 1/2

Model	A	B	C	D	E	F	K	L	Z
F50	58 3/8	72 3/4	36	36	49	57	58	32	16
F60	79 1/4	85 1/8	44 5/8	40	67 1/2	67	*	42	*
F72	96 1/2	105 5/8	53 1/8	51	84	80 1/2	*	56	*

*Not Hinged

Dimensions are in inches.

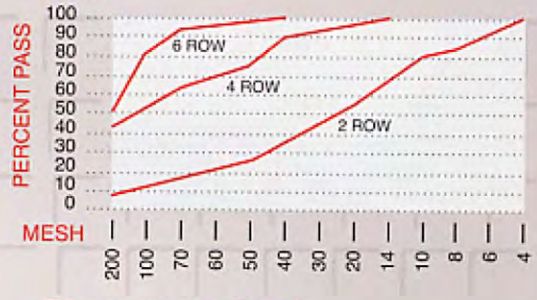
Caution: Do not use these dimensions for construction purposes.

Product Gradation:

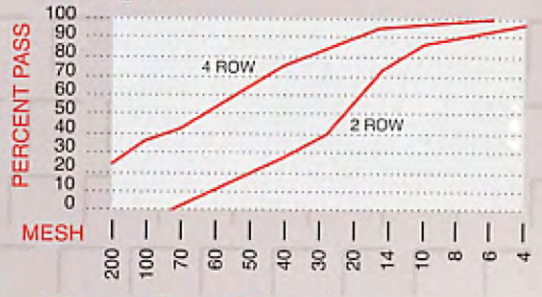
Graphs illustrate typical variations in product gradation that can be achieved with Stedman Cage Mills. Product variation can be altered by increasing or decreasing the RPMs of the mill.

To achieve precise gradation of your product in a Stedman Cage Mill, send us a sample of your feed material for evaluation. Extensive tests will be performed in our test plant, using full-scale production-size mills to produce the gradations you require.

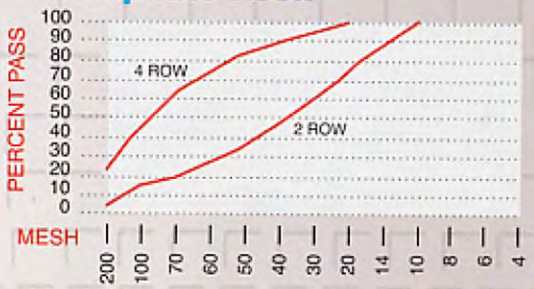
Coal



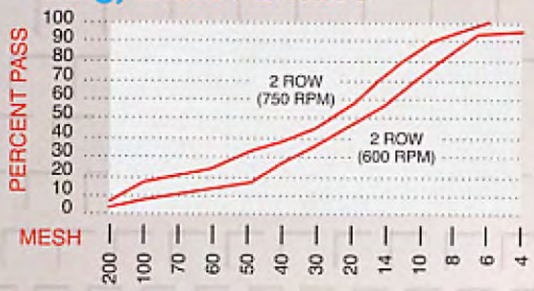
Manganese Ore



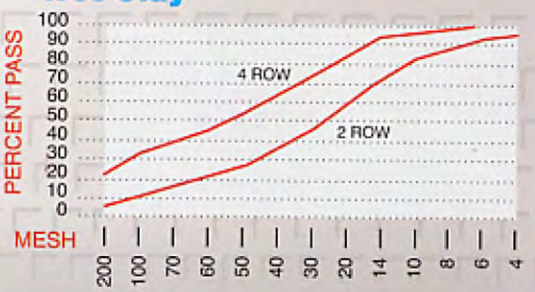
Phosphate Rock



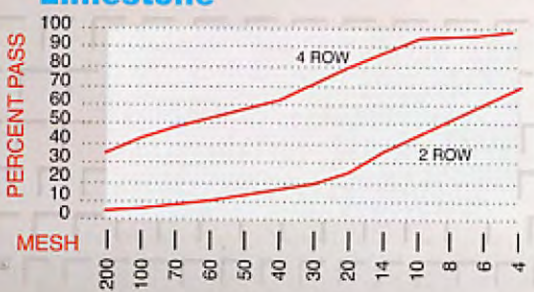
Slag, Blast Furnace



Wet Clay



Limestone



For more information on our Test Lab ask for catalog #617-R2.

STEDMAN Your Solution To Size Reduction

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