

SEPOR STAINLESS STEEL BATCH BALL MILL

The Sepor Batch Ball Mills are constructed of stainless steel (wetted parts) as standard configuration, have discharge port with ball retainer plate, lifter bars, motor-gear reducer-belt drive, guards, start/stop/jog control, operates at 75% of critical speed. May be used for either wet or dry batch grinding.

CATALOG NUMBER	DESCRIPTION	MILL RPM	MILL VOLUME	Ball Charge Required
010E-200	8" Dia. x 24" Mill, 1/2 HP/220-440V/3 Ph/60 Hz	66	0.7 CF	90 Lbs.
010E-201	15" Dia. x 21" Mill, 3/4 HP/220-440 V/3 Ph/60 Hz	48	2.1 CF	280 Lbs.
010E-202	24" Dia. x 36" Mill, 1 HP/220-440 V/3 Ph/60 Hz	38	9.4 CF	750 Lbs.

The Sepor Batch Ball Mills are constructed of 304 stainless steel (wetted parts), with structural steel frame and support structure. The rugged forged steel trunnions with hubs provide support for the shaft and give structural support for the mill ends. The mill is machined to provide a true alignment of the mill. The heavy duty running in oil gear reducers and chain drive will provide years of operation with minimal maintenance. The stands are constructed of structural steel with foot plates located on the four stand leg bottoms. Heavy duty, self aligning bearings are used to insure years of properly aligned mill operation. The cover on the batch ball mills is held in place by means of easy to remove hand lugs. For discharging, simply remove the cover, place the media retainer screen in its place, and rotate the mill to the discharge position. A jog switch is provided for bumping the mill into position, or to dislodge material during discharge.

The Batch Ball Mills have solid, welded in place lifter bars to help control the direction of flow of the balls and material by halting the sliding action of the balls against the shell and giving a more precise and correct angle of brake, where the balls achieve maximum impact falling back onto the material to be reduced. Motors are typically supplied for 3 phase current, for use with either 60 cycle or 50 cycle AC current supplies. Motor starters are installed in the mill controls supplied with the mill.

Optional equipment for our batch ball mills include revolution counter/timer control to set the revolutions of grinding or the grinding time of the grinding, a variable speed control to vary the RPM's of the mill, custom discharge arrangements to meet specific requirements. Custom stand height's are available for specific requirements. Urethane lining, rubber or neoprene lining is also available.



Photo at left depicts the ball retainer grate in plane and the lid for the ball mill (removed)

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