



Batch Ball or Rod Mill Container

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LOCATIONS

WEST COAST

718 N. Fries Avenue
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EAST COAST

3740 NW 124th Ave
Coral Springs, FL 33065

Description:

Sepor's batch ball and rod mills are designed to give size reduction of laboratory quantities of minerals and ores. Feed size should generally be - 1/8", for ball mill and -1/2" for rod mill. They are of a sturdy, rugged design to handle frequent use with hard materials. The batch ball and rod mills require a drive roll to rotate the mills. The batch ball mill should be run between 56 RPM and 70 RPM. The batch rod mill should be run between 47 RPM and 79 RPM.



Sepor has two series of drive rolls, the 5" diameter roll drive rolls and the 2"/2.5" diameter drive rolls. Both drive rolls have variable speed drives, for operating the mill at the desired revolutions. Either wet grinding or dry grinding may be conducted in the batch ball and rod mills. The jars should be charged with at least 20 pounds of balls (or rods for the rod mill), and 25% to 40%, by volume, material to be ground (1.4 liters to 2 liters).

The batch ball and rod mill consists of the grinding cylinder with four lifter bars, machined rolling rings, threaded removable yoke, hand lever for tightening and loosening the lid, a machined lid with neoprene gasket. Grinding media is ordered separately and are available in a variety of materials of composition including carbon steel and stainless steel (rods & balls) or non metallic media such as alumina and zirconia (balls/cylinders).

| Catalog Number | Description | Net Weight (lbs.) | Total Volume (L) |
|---------------------|--|-------------------|------------------|
| 010E-007/008 | Mild Steel Ball/Rod Mill, 8" ID x 10.5" | 45 | 8 |
| 010E-013/014 | Stainless Steel Ball/Rod Mill, 8" ID x 10.5" | 45 | 8 |
| 010E-015 | Ball Mill Charge, Carbon Steel | 20 | |
| 010E-016 | Rod Mill Charge, Carbon Steel | 20 | |
| 010E-098 | Stainless Steel Ball Mill Charge | 20 | |
| 010E-099 | Stainless Steel Rod Mill Charge | 20 | |
| 010E-010 | Extra Rubber Gasket | | |