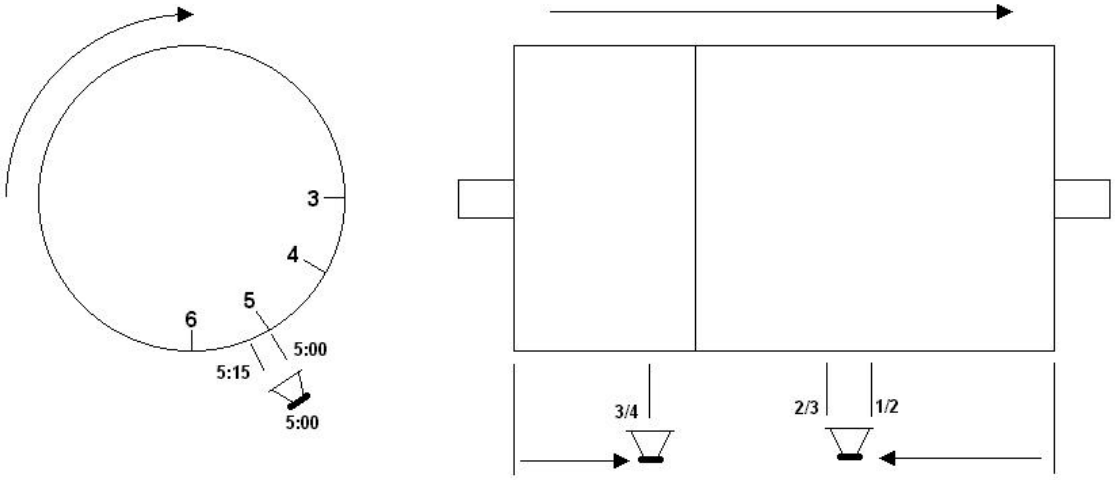
Application Bulletin

Cement Raw Mill (Wet) – Dual Compartment

Microphone Location:

On these mills, the feed end microphone should be placed fairly close to the discharge end of the primary compartment. This is required because of "water" noise signals caused when the surface area presented by the coarse feed to absorb the water is very small. As a result the water flushes through the area before the rock is broken down giving erroneous signals. The feed end microphone is primarily used to prevent plugging of this discharge grate into the second or succeeding compartments. The microphone on the discharge compartment should be located between 1/3 and 1/2 of the compartment length from the feed end. Here a good homogeneous mixture of slurry should exist and a normal sound signal should result if density is held constant.



Note: These are the most likely locations from which to start. The mounting stands should allow for complete flexibility per drawing 10A758.

Sonic Sensor Amplifier Frequency: 1000 Hz
3300 Hz

Equipment Required: MillMinder ASC-2
Dual Channel
Two Millphone Microphone

Optional Equipment: Nema 4 Steel Enclosure
Nema 4 Stainless Steel Enclosure