



INSTALLATION OF ELECTROMECHANICAL VIBRATORY FEEDERS

EMF Electromechanical Feeders can be arranged for either suspension or base installation. Here are helpful considerations for proper installation and maximum feeding efficiency.

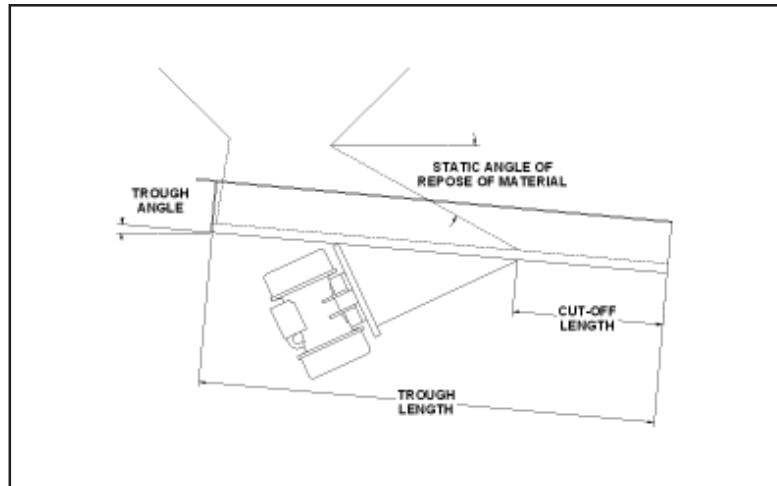


Figure 1 (Feeder at rest) - Feeder trough length is determined by the material's static angle of repose and trough slope. The feeder trough must be of sufficient length to assure complete material shut off when the feeder is at rest.

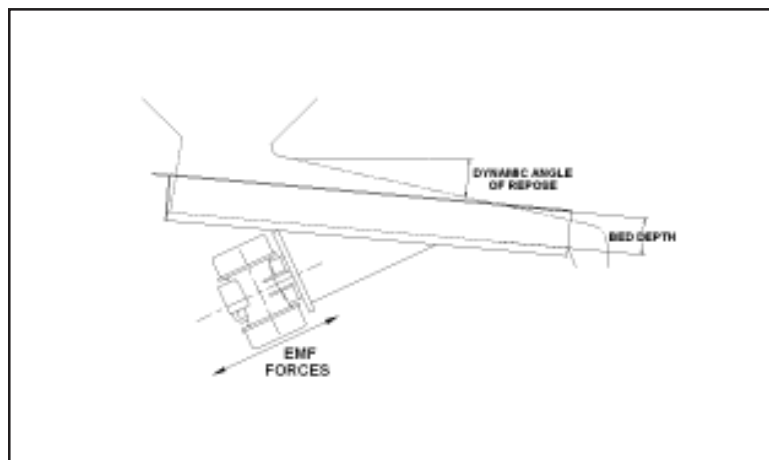


Figure 2 (Feeder Operation) - The dynamic angle of repose is the angle the material seeks while being vibrated and conveyed.

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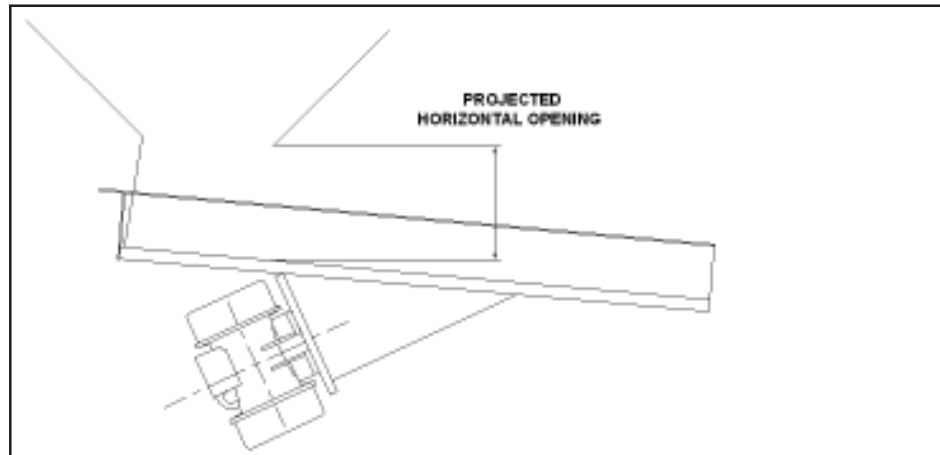


Figure 3 (Projected Vertical Opening) - The projected length and width of the vertical opening should be two to three times greater than the largest particle dimension. Materials with bridging tendencies require sufficient openings to assure good product flow. Caution should be exercised in determining the vertical opening size to avoid excessive bin headload on the trough. The projected horizontal opening is determined by particle size and bed depth requirements to meet the design feed capacity. The minimum horizontal opening should be approximately two times the largest particle dimension, but not less than the bed depth required.

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