

Jeffrey Specialty Equipment Corporation, Woodruff, South Carolina, USA

Hopper takes the guesswork out

In the application of vibrating feeders, hoppers are a critical part of reaching full capacity and control of throughput. Jeffrey Specialty Equipment Corporation and Rader Com-

panies, Inc announced that they now offer an optional hopper with their feeder(s) to provide a streamlined feeding process.

A well designed hopper also helps to eliminate bridging of material above the feeder, excessive feeder loading, and excessive feeder liner and isolation component wear. Jeffrey and Rader are now offering an optional hopper to take the guesswork out of this critical area of feeder installation.

The hopper simplifies the feeder installation by allowing the customer to install a bolt flange. Jeffrey and Rader will specify a pattern and location of the flange at a specified dimension above the feeder discharge point. The hopper is bolted to this flange to insure the proper transfer and requires no additional hopper support.

The hoppers are designed to the specific application with the proper gate and throat dimensions as well as the proper hopper wall angles. With the feeder mounted under a Jeffrey Rader hopper a more predictable feed rate can be obtained. Skirt boards are also a critical area of feeder operation and have been incorporated into the hopper design. These skirt boards are located at the proper width as well as the proper bottom edge taper. This eliminates binding of material between skirt board and feeder trough and provides maximum width for greatest capacity.

The hoppers bolt together design allowing easy transport to installation site, a big plus for installations with limited access, such as reclaim tunnels. This design also reduces installation time by eliminating the fit up and welding requirements of the hopper. The standard construction is 1/4" on 1/4" chromium carbide overlay steel for heavy wear resistance. The bolt together design allows for individual panel replacement minimizing downtime and eliminating the need for welding inside the hopper. ■



Hopper provides a streamlined feeding process

Jeffrey and Rader are part of the Size Reduction Group of K-Tron International Inc.

K-Tron International, Inc. and its subsidiaries design, produce, market and service material handling equipment and systems for a wide variety of industrial markets. The Company has manufacturing facilities in the United States, Switzerland, the United Kingdom and the People's Republic of China and its equipment is sold throughout the world.

Further information:



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