QUICK-CHANGE BELL PACKER

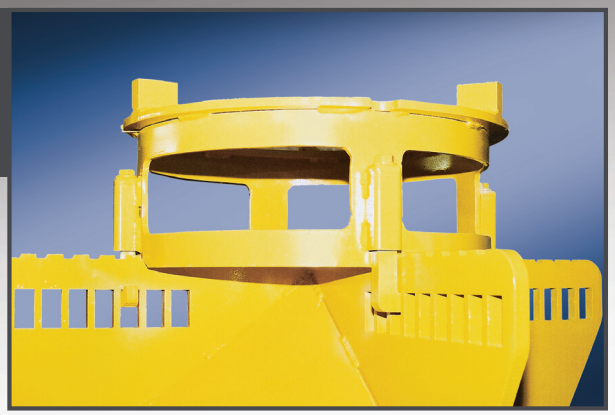
The hydraulic bell packer assembly has added a new quick-change feature which means producers can realize added quality and efficiency in their pipe operation. Rapid changeover of quick-change turning and vibrating standards is now possible due to the user-friendly design of the bell packer upper vibrator plate. Another benefit derived from new components is increased transfer of vibration from the bell packer to the socket curing pallet, further improving bell consolidation.

The hydraulic bell packer is standard on new Bidirectional pipe machines, or the assembly may be purchased as a conversion for any existing McCracken, Hydrotile or other type of packerhead pipe machine. The quick-change feature is available on both new machines and conversions, and requires the use of new quick-change turning and vibrating standards.

The quick-change feature on the hydraulic bell packer assembly means even more quality and efficiency in the pipe plant.

Producers may convert an existing hydraulic or electric self-cleaning bell packer to quick-change with the addition of a new upper vibrator plate, new turning and vibrating standards and the relocation and replacement of several existing minor components.

The upper vibrator plate atop the hydraulic bell packer assembly incorporates attachment points to accommodate quick-change turning and vibrating standards.



Quick-Change Process

The quick-change feature adds yet another dimension to the field-proven Besser hydraulic bellpacker assembly. The upper vibrator plate atop the assembly incorporates attachment points to accommodate new-style quick-change turning and vibrating standards. During attachment changeover, the turning and vibrating standard is placed in notches on the vibrator plate, then simply rotated and clamped into position. In addition to saving time and labor, this entire process is accomplished from floor level with no need to enter the machine pit.

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Hydraulic Vibration Technology

The main feature of the hydraulic bell packer itself is the vertical impact hydraulic vibrator which offers a number of advantages over electric vibration:

- Vertically packs the concrete for improved efficiency and movement of vibration
- Improves pallet movement for better bell density
- Reduces sound
- Reduces bell cycle times
- Eliminates collector ring and its maintenance

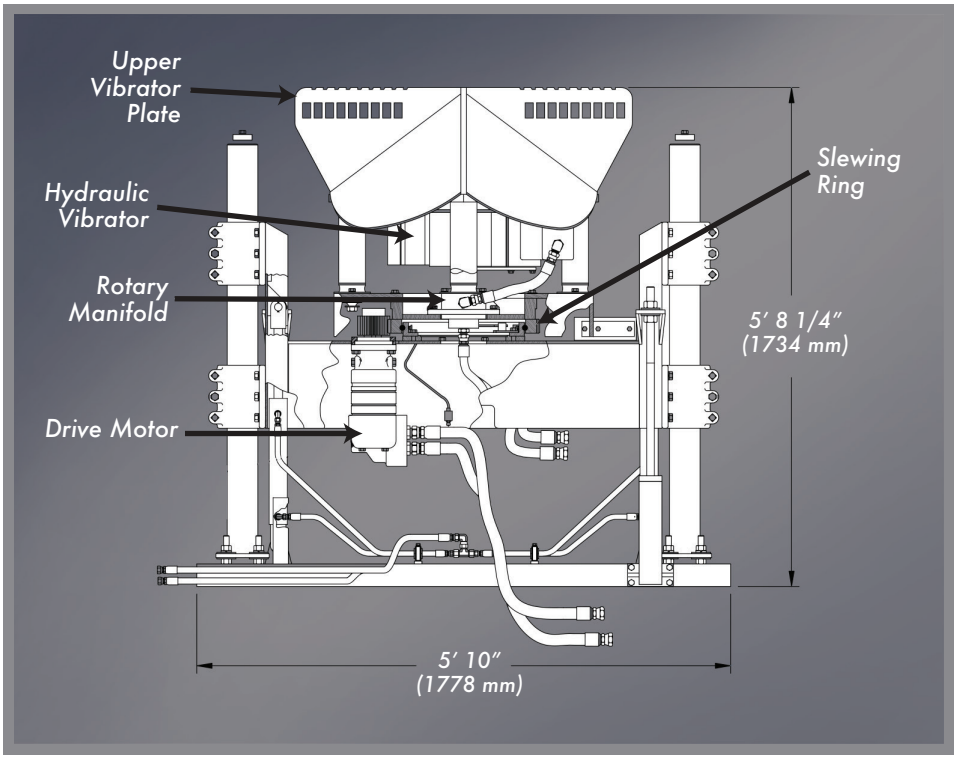
Developed, built and tested by Besser Company, the dual synchronized shaft vertical impact vibrators are hydraulically driven and self-lubricating. This type of vibrator gives the producer more versatility in bell making as various adjustments can be made to produce a better bell. These include either rotating or oscillating the pallet as well as varying the vibrator speed with a potentiometer on the control panel.

Bell Packer Assembly

The self-cleaning bell packer assembly utilizes a gear drive slewing ring with a hydraulic rotary union which permits the turning and vibrating standard to oscillate or rotate. The assembly also features a new guide tube and drive arrangement to facilitate installation into a shallower machine pit.

Close-up of the self-cleaning quick-change upper vibrator plate and vertical impact hydraulic vibrator.

36″ (900 mm) quick-change hydraulic bell packer assembly (Other sizes also available.)



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