

Swivel Mounted Mixer Drives

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Have you ever had to change a mechanical seal in a low headroom situation?

Do you find the gearbox in the way during mechanical seal replacement?

Hayward Gordon was asked to solve these common problems by one of its customers. Our standard design is to supply a spool piece between the output shaft of the gearbox and the extension shaft. Any work to be done on the mechanical seal is performed through the openings in the pedestal.

This particular customer wanted to access the seal through the windows in the pedestal as well as from directly above the seal. In order to achieve this, they would have to remove the drive from the pedestal, which would have been awkward and time-consuming process in their low headroom situation.

Hayward Gordon developed a means of swiveling the gearbox so it could be rotated with minimal time and effort. The procedure to swivel the gearbox is to uncouple the output shaft from the extension shaft and then remove the dowel pins and capscrews between the pedestal and the gearbox. After engaging the pivot pin, a gentle push on the gearbox will rotate the drive, which swivels on a spherical thrust bearing located near the centroid of the drive. Upon completion of the maintenance work, the gearbox would swivel back to the original position and re-aligned with the use of dowel pins.

This option can be an effective option for all mechanically sealed units at little or no additional cost. If you would like to receive more information on this option, please contact us.

This swivel design is available for the MB Series (Figures 1 & 2 below) and for the ST Series Mixers as well.

Figure 1: Swivel Mount MB Mixer

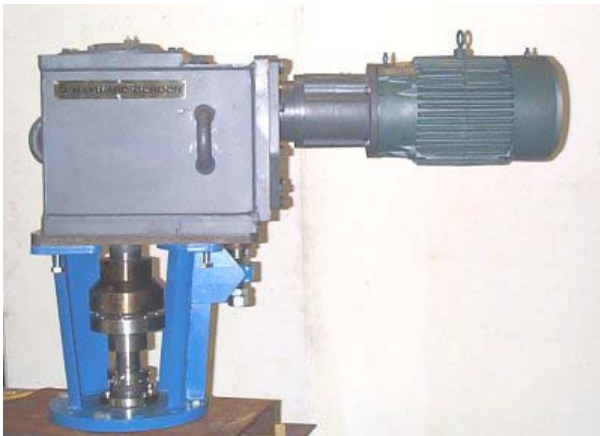


Figure 2: Swivel Mount MB Mixer swung open



