

VAN GORP's® Dead-Shaft Pulleys use a removable piloted flange bearing that easily fits over the shaft and bolts to the end-disc of the conveyor pulley. Dead-Shaft Pulleys can be made in a variety of drum and wing pulley sizes to fit the needs of the application.



Dead shaft pulleys are different from traditional pulleys. The shaft is held fixed (dead) and not allowed to rotate. The pulley is mounted on bearings and rotates around the fixed shaft.

There are several advantages to this design:

- The shaft does not rotate so there is no rotational shaft fatigue.
- Shaft and bearing diameters can be downsized from traditional designs.
- Reduced pulley stress because self-aligning bearings absorb the shaft bending moment so it is not transmitted to the pulley end discs.
- Pre-stressing of pulley end discs during the shaft mounting process caused by bushings is eliminated.
- Piloted flange bearings are well known commercial brands and readily available if they need to be replaced.

Contact the VAN GORP® engineering department for additional information on how these unique pulleys can be used in you're application.