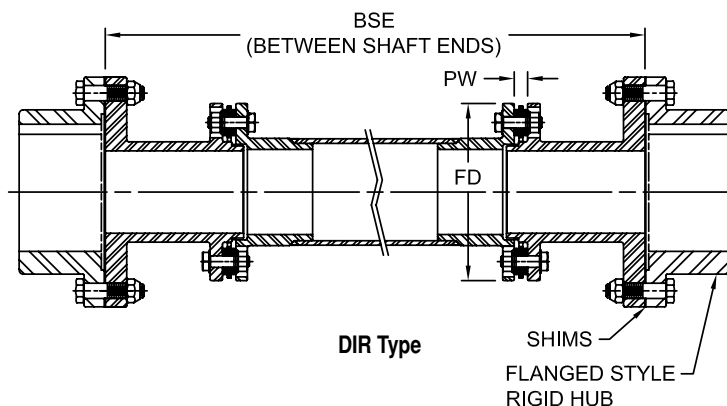
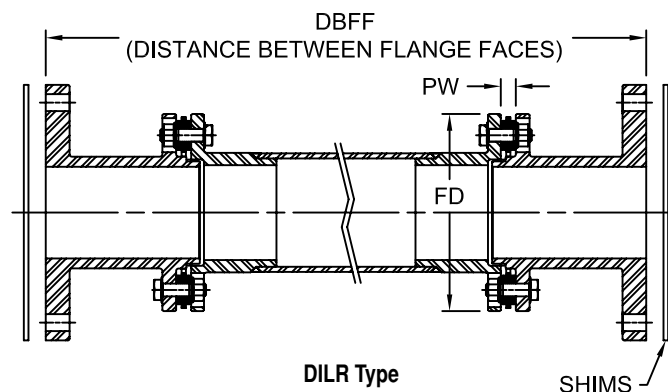


DIR-6 and DILR-6 Type Drop-In Center

The DIR and DILR Type coupling is designed to be a direct replacement for floating shafts in flanged series floating shaft gear couplings. The DIR is provided with F-Style rigid gear coupling hubs and the DILR can be manufactured to work with existing rigid hubs without disturbing or moving the equipment. All spacers are manufactured to the customer's specified length and are sized using a service factor of 2.0. The coupling has two flex planes (one at each disc pack) so it can accommodate parallel misalignment by the angular misalignment in each disc pack and it is suitable for axial displacement within specified limits. DILR Type couplings are manufactured slightly shorter than the DBFF dimension specified by the customer and shims are provided to aid in simplifying the installation.

Features

- No need for lubrication or maintenance
- Can utilize existing rigid Flanged Gear hubs or custom paper machine hubs (Beloit and Voith)
- Can be inspected while in operation
- Can run at higher speeds than floating shaft gear couplings
- Unitized disc pack
- Infinite life if properly aligned
- Torsionally rigid with minimal back lash
- No wearing parts and high resistance to harsh environmental conditions
- Shim kits are standard for ease of installation and precise spacer positioning
- Anti Flail / Anti Fly piloting option is standard to prevent the spacer assembly from flying out if a disc pack and bolts fail
- Adjustable lengths using shaft locking devices



Selection Process for DIR, DIRA, DILR, and DILRA Disc Couplings

The DILR and DILRA Type coupling are a direct replacement for a floating shaft style gear coupling. The DILR/DILRA is designed to utilize the hubs already on the customer's equipment. The DILR drop in replacement will be manufactured slightly shorter than the DBFF and shims will be used for ease of maintenance. The DILRA is adjustable using an SLD (Shaft Locking Device) to make axial or length adjustments. Customers with multiple pieces of equipment with similar length couplings can stock one spare spacer that can be used as a replacement for more than one coupling.

If the end user requires rigid hubs be provided with the coupling, a DIR or DIRA Type coupling will be recommended and the BSE (distance Between Shaft Ends) must be specified.

Required Information:

The end user should be prepared to provide the following information when contacting Lovejoy Technical Support:

- Motor horse power and speed (include gearbox ratio – input and output).
- Rigid hub sizes (if the customer is using existing F-Style rigid gear coupling hubs).
- DBFF or distance between flange faces of the rigid hubs for DILR Type.
- BSE shaft separation can be specified for DIR Type.
- Shaft sizes for rigid hubs DIR and DIRA Type couplings.
- For maximum bore sizes, consult with Lovejoy Gear Coupling Catalog pages F-Style rigid hubs.