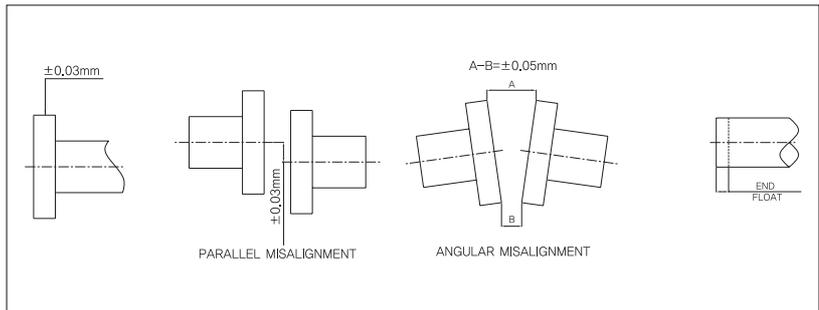


THE INSTALLATION OF TORQUE SENSORS

1. Shaft Misalignments.

Parallel misalignment is the offset of two mating shaft centerlines although the centerlines remain parallel to each other. Angular misalignment is two shaft centerlines intersecting at some angle other than zero degrees. End float is the relative displacement of one shaft end with respect to the other.



2. Coupling Types (single-flex, double-flex and rigid Coupling)

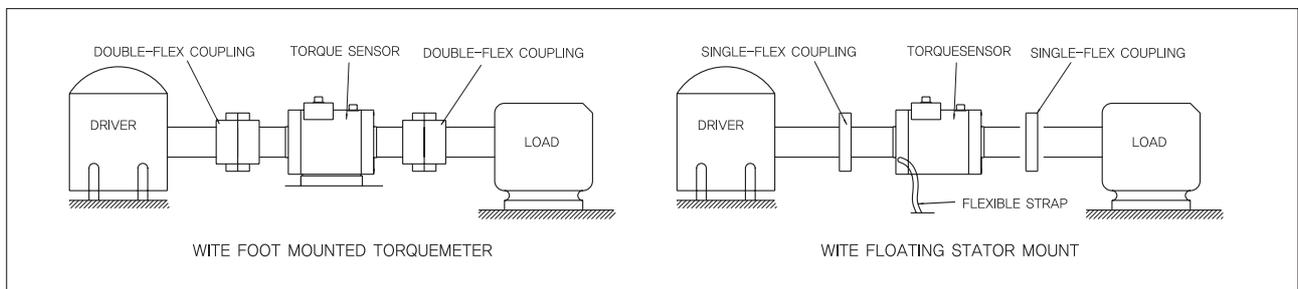
A single-flex coupling accepts angular misalignment only. That means it acts as a hinge or a pivot and cannot accept parallel misalignment. A double-flex coupling accept both angular and parallel misalignment. It may be visualized as two single-flex couplings with a short spacer or distance between the pivots. Depending on their design, both single-flex and double-flex types may or may not accept end float. A rigid coupling, as its name implies, is merely a set of rigid flanges mounted on a shaft. It cannot compensate for or permit any misalignment.

3. Torquemeter Mountings

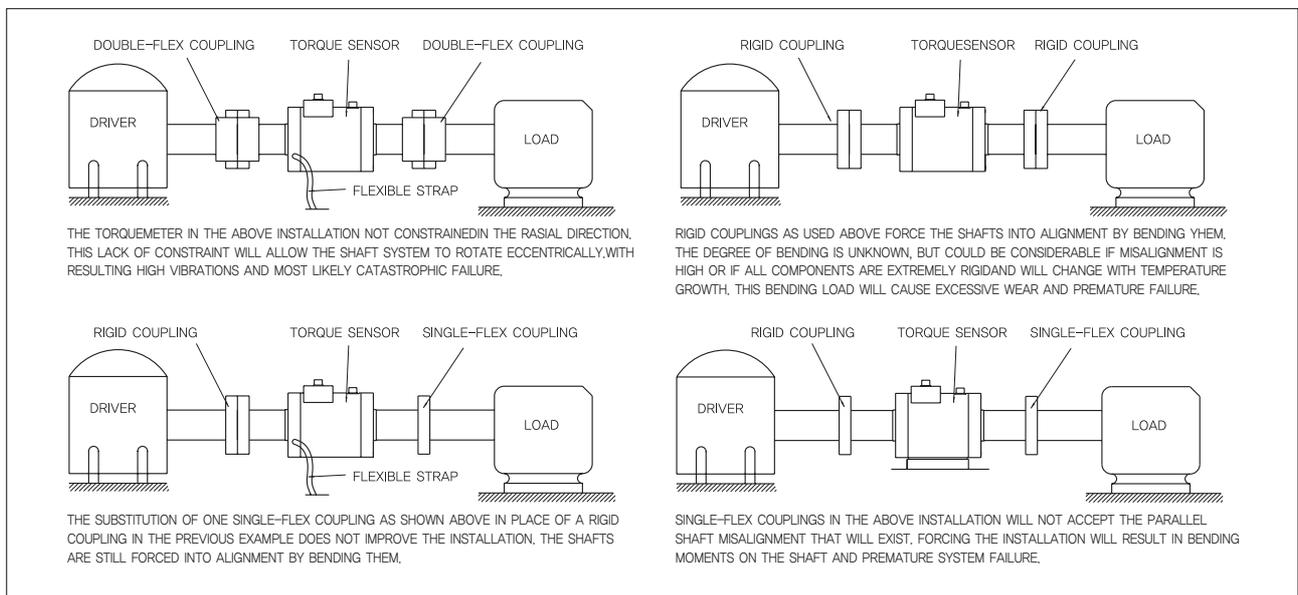
Floating Shaft – applicable to both shaft and flange type torquemeters. Use a single flex coupling at each shaft end to accommodate angular misalignment

Foot Mounted – for shaft style torquemeters only. Use a double flex coupling at each shaft end to handle both parallel and angular misalignments.

BEST INSTALLATIONS



INCORRECT INSTALLATIONS



*Specifications are subject to change without notice.