



APPLICATION SUMMARY

Torque hinges, friction hinges, and position hinges are all synonyms for a type of hinge that allows two parts to rotate about one another when a load is applied. The hinge then returns to its original position when that load is removed due to its high torsional stiffness. Because of this property, they are used in everything, from cabinetry and car glove boxes to laptops and monitor stands. This wide range of uses requires that these hinges survive and very often exceed the lifetime of the product. To ensure this, fatigue and cycle testing must be performed to verify the hinge lifespan when integrated into the product.

Amplifier
IAA Series

USB Series
USB220

PRODUCTS IN USE

FUTEK's TFF400 Reaction Torque sensor paired with Instrumentation (USB220, IAA Amplifier). For more in-depth analysis of hinge performance, a TRS605 Rotary Torque Sensor with a built-in encoder paired with a USB520 can be used.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

