

bf1 systems Damper Bump Stop Loadcell

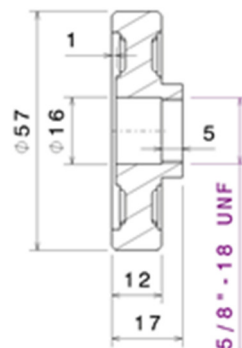
The bf1systems Damper Bump Stop Loadcell is designed to accurately measure the individual bump stop forces on each damper of the car. It allows the bump stop rubbers to be accurately analysed and characteristics obtained during 7 post rig and on track testing. This loadcell is specifically designed for the Penske Damper and is intended to replace the damper eye locknut,

This part offers previously unseen levels of accuracy for damper bump stop measurement throughout the whole temperature range.

This part accompanies bf1systems Spring Top Hat, Damper Force, Tie Rod, and Panhard Bar loadcells, which have been used for several years by a number of teams with excellent results.

If there are any additional force measurement applications with no suitable product, please feel free to contact us for technical expertise so we can work together to find a suitable solution.

We are happy to design variants of any of our products to meet your specific requirements, please contact us for more information.



Specification

Electrical

- Force range, 5000lb (others available on request)
- Recommended supply voltage 10 Volt
- Output range 2.6mV/V
- Hysteresis <0.5%FSO
- Repeatability <0.5%FSO
- Thermal zero shift over compensated range 0.1% FSO
- Thermal sensitivity shift over compensated range 0.2% FSO

Environmental

- Compensated temperature range 50°F to 260°F
- Operating temperature range 10°F to 270°F
- Sealed to IP65

