

bf1 systems Low Deflection Corner Scale

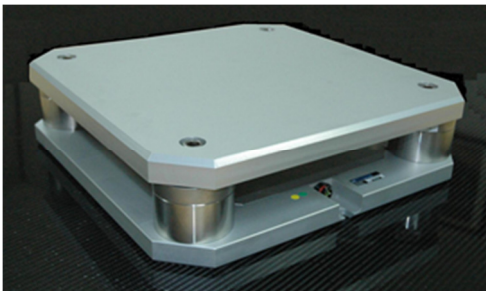
The bf1systems Low Deflection Corner Scale is designed specifically for four post rig applications.

It features low deflection for improved four post rig testing. Its four high accuracy loadcell design provides linear and repeatable results with the ability to provide excellent immunity to contact patch changes both for vehicle positioning, tyre size differences and camber changes during suspension movements.

Various weight ranges are available to suit different applications. We are also able to design the scale pad with specific dimensional or fixing requirements.

Outputs options are available for your logging system, either differential mV/V or single ended amplified 0 – 5V. We can provide a single averaged output for the scale pad, or and individual output of the four loadcells in each scale pad if required.

We are also able to provide corner scales for track side applications, featuring a lightweight design, optional display modules both locally and for overhead applications and wireless systems which are all not standard and can be tailored to specific requirements.



Specification

Electrical

- Non-linearity +/-0.1%
- Hysteresis +/-0.1%.
- Creep +/-0.1%
- Repeatability +/-0.05%
- Rated output 1.3mV/V
- Excitation recommended 10V

Environmental

- Compensated temperature range 10°C to 125°C
- Operating temperature range 0°C to 125°C

