# SIDE LOAD

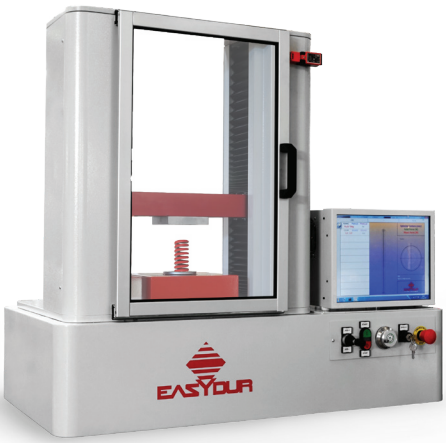
## CLASS 0.5 COMPRESSION TESTS ON SPRINGS

**SIDE LOAD** is a high-precision spring tester able to perform a complete analysis of all the forces acting (axial and sided) on a spring.

The mechanical construction is precise and innovative, with a 2-column structure and a multicell system that allow measuring errors to be reduced to a minimum.

The electronics and the software, developed in-house by EASYDUR on the Windows 10 operating system, displays data and 3D graphics in real time, allowing the user to understand which are the most critical characteristics and obtaining precise statistics for every measurement taken: Mean, Sigma, CP, Cpk, Gauss Curve, Histogram, with internal management of statistics, archives and certificates in Excel format, completely customisable by the user.

*3MZ SIDE LOAD up to 50.000 N*

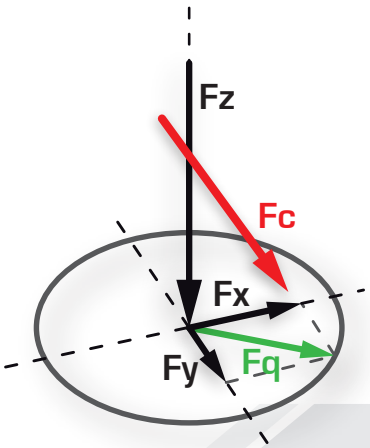


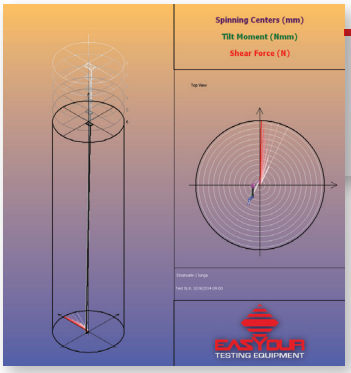
*DYNO SIDE LOAD up to 5.000 N*

### "Not an ordinary spring tester"

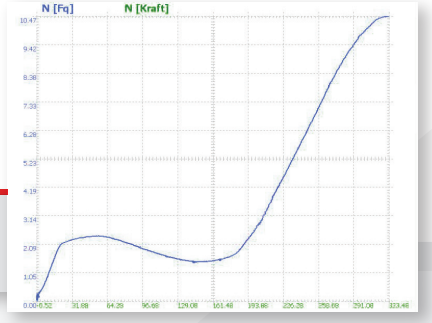
Besides supplying all the parameters of a traditional spring tester, **SIDE LOAD** allows all the essential values to be obtained for studying spring behaviour:

- Side force Fx and Fy according to the direction of the X and Y axes, and consequently the resulting side force Fq and its angle Aq
- Axial force component Fz along the Z axis
- Input and output coordinates of the force of the spring
- Moment of reaction Mz with respect to the vertical axis
- Real thrust force (Fz)




3D graphics in real time with display of the thrust centres during the various test phases.




Graph of Shear force Fq in function of Axial force.

EASYDUR TESTING EQUIPMENT

**EASYDUR SRL**

Via Maja 5 - 21051 Arcisate (VA) - Italy - Tel. +39 0332 203626 - Fax +39 0332 206710

**info@easydur.com - www.easydur.com**