

BUSH STIFFNESS TEST SYSTEM

PRODUCT DATASHEET



AXIAL, RADIAL & TORSIONAL MEASUREMENT

The Jragrau Metal to Rubber Bush Stiffness Test System is a servo-controlled computerized testing solution designed to evaluate axial, radial, torsional, and conical stiffness characteristics of metal-rubber components. Engineered for accuracy and repeatability, the system provides reliable force, displacement, and torque measurements with comprehensive graphical and tabular reporting for laboratory and production environments.

KEY FEATURES

- Servo-controlled computerized testing system
- Graphical and tabular data reporting with reports

APPLICATIONS

- Automotive rubber component testing
- R&D and quality assurance laboratories

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Type	Servo Control Computerized
Capacity	5 kN / 10 kN / 20 kN / 50 kN
Force Least Count	1 Newton
Maximum Travel	±200 mm
Displacement Resolution	1 Micron
Torque Range	5 / 10 / 20 / 50 Nm
Torque Resolution	0.01 Nm
Accuracy	0.5% of the reading

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SYSTEM CONFIGURATION

- Rigid mechanical structure for high stability
- Integrated servo motor drive system

Motor: Servo Motor

Interface Unit: Embedded Jragrau Make

Load Cell & Torque Sensor: JRAGRAU Make

CONTROL & SOFTWARE

LABEL	VALUE
PC Configuration	HP PC, 1 TB HDD, 8 GB RAM
Software	Windows-based user-friendly software
Measuring Parameters	Axial / Radial / Torsional / Conical / Stiffness / Play vs Load / Angle