



SPRING TEST™ STK100

- TENSION & COMPRESSION
- CAPACITIES: 100 lbf/50 kgf/500 N
- LARGE 10" X 10" PLATFORM
- PRECISION RACK & PINION
- HANDWHEEL DRIVE MECHANISM
- DIGITAL FORCE DISPLAY
- DIGITAL TRAVEL DISPLAY

Made in America the STK100 Spring Tester provides a **low cost** manually operated tester for **tension and compression** springs. **Precision machining** ensures smooth movement and precise alignment of the **rack and pinion** elevating mechanism.

The STK100 is available with a **close control handwheel** for testing spring forces to 100 lbf. Force display is provided by the **Wagner FDIX Digital Force Gage** with six capacities from 2 through 100 lbf. **Interchangeable Plug 'N Play Force Cell Modules** are available to change the force gage capacity of the STK100 at minimum cost.

Spring deflection is measured with a **1" digital travel indicator**. Other travel indicators with a wide variety of features can be mounted.

A large **6" x 10" test area** is provided with a pattern of **mounting holes** in the test area. **Vertical travel is 12"** with a generous **3" horizontal clearance**. An adjustable collar is included to provide a stop point for the load beam.

Spring Test™ STK100

12" Vertical Travel

Digital Travel Indicator

Handwheel Drive

3" Horizontal Clearance

Six Force Gage Capacities with Interchangeable Force Cell Modules

9 #10-32 Hole Mounting Pattern

Large 10" x 10" Platform

Spacious 6" x 10" Test Area



CONSTRUCTION

- Large 10" x 10" aluminum platform, 6" x 10" test area.
- Grid of 9 #10-32 mounting holes are provided on the platform.
- Steel guide posts with teflon coated bushings.
- Steel rack and pinion elevating mechanism.
- Maximum vertical clearance is approximately 12".
- Maximum vertical gauge travel is approximately 12".
- Maximum horizontal clearance from guide posts is 3".

OPERATION

- Tension or compression with handwheel drive mechanism.
- Digital Travel Indicator: 1" x 0.0005" [25 mm x 0.01 mm]
- Compression testing with 5/8" and 2" diameter plate.
- Tension testing with 2 hooks provided with test stand and force gage.
- Handwheel provides 1" travel for each 360° rotation.

ACCESSORIES

- Included: 5/8" and 2" diameter plates, 2 hooks and stop point collar.

ACCURACY

- Force Gage: ± 0.2% of Full Scale; Travel Indicator: ± 0.001"

WEIGHT & DIMENSIONS

- 10 pounds [5 kg]
- 17" [430 mm] H x 10" [255 mm] W x 10" [255 mm] D

FDIX DIGITAL FORCE GAGE

Model	Capacity/Graduation		
FDIX2	2 x .002 lbf	32 x .04 ozf	1 x .001 kgf
FDIX5	5 x .005 lbf	80 x .1 ozf	2.5 x .002 kgf
FDIX10	10 x .01 lbf	160 x .2 ozf	5 x .005 kgf
FDIX25	25 x .02 lbf	400 x .5 ozf	10 x .01 kgf
FDIX50	50 x .05 lbf	800 x 1 ozf	25 x .02 kgf
FDIX100	100 x .1 lbf	1600 x 2 ozf	50 x .05 kgf

- STK100 includes FDIX Force Gage of your choice.

STK - MODELS & PRICES

Model	Description	Price
STK100W	Manual Spring Tester- Handwheel	\$1,650

Note: Specify model; **Example:** STK100W / FDIX100 / DGI for STK100 Handwheel Action / 100 lbf FDIX Force Gage / Digital Indicator. (See table at left for selection of FDIX Force Gage)

Includes: FTK100 Test Stand, FDIX Force Gage and DGI Travel Indicator Kit - Refer to Wagner FTK100 and FDIX pages for more details.

Optional: • Interchangeable Force Cell Modules to change force gage capacity – see Wagner FDIX page for more details.

• Other travel indicator kits - longer, stroke, metric, etc. - call.

Prices and specifications are subject to change without notice.

CALL US TOLL FREE 800-345-4188

