

- CAPACITIES: 125 TO 1000 LBF
- COMPRESSION TESTER
- DUAL GRADUATIONS: LBF & KGF
- RAPID LOAD APPLICATION
- PEAK FORCE POINTER
- ACCURACY: ± 1% F.S.



The rugged cast aluminum Spring Dial is specifically designed for **compression spring testing** in addition to **crush, collapse and pressure testing**. Load is applied by a simple **rack and pinion lever** system ideal for rapid and repetitive testing. There are five models available in **capacities from 125 to 1000 pounds**, and all are equipped with an **adjustable stop** to facilitate the comparison of a number of springs. Force is measured in both pounds and kilograms with an accuracy of ±1% of full scale. The mounted **stainless steel ruler** measures deflection in both inches and centimeters.

The large 4 ¼ **inch dial** features **dual graduations** in pound and kilogram and an adjustable **peak force hold** pointer that also functions as a fixed tolerance marker for measuring pressure or breaking forces. The **zero adjusts** simply by moving a small lever at the bottom of the dial. The Spring Dial accepts a wide variety of specimens up to 2 inches in diameter and 4 ½ inches free length. An **optional 9 ¾ inch free length** is available by special request at the time of the order.

### CONSTRUCTION

- Rugged cast aluminum construction.
- Mounting holes provided in base plate for bench mounting.
- Large 4 ¼" diameter dial with dual lb/kg graduations.
- Upper platen: 2 ¼" diameter. Lower platen: 3 ¼" diameter.
- Accepts specimens to 2" O.D. and 4 ½" free length (9 ¾" optional).
- Mounted stainless steel ruler graduated in both inches and centimeters.

### OPERATION

- Load is rapidly applied by a recoil protected rack and pinion lever.
- Zero adjust lever is located at lower dial.
- Adjustable pointer holds peak force readings or sets tolerance points.
- Adjustable collar on column provides a fixed stop for repetitive testing.
- 4 ⅝" standard vertical travel.

### OPTIONAL ACCESSORIES

- Columns can be extended for 9 ¾" free length by special request.
- Calibration spring provides a specific force at a given height for accuracy checks.

### ACCURACY

- ± 1% of Full Scale.

### WEIGHT & DIMENSIONS

- Weight: 18 pounds - all models. Dimensions: 15" H x 6" W x 10" D.

### SD - MODELS & PRICES

Model	Capacity/Graduation		Price	
			Std. Model	Price Ext. Col.
SD 125	125 lbf x 1 lbf	60 kgf x 1 kgf	\$825.00	\$995.00
SD 250	250 lbf x 1 lbf	110 kgf x 1 kgf	825.00	995.00
SD 350	350 lbf x 1 lbf	160 kgf x 1 kgf	825.00	995.00
SD 500	500 lbf x 2 lbf	230 kgf x 2 kgf	825.00	995.00
SD 1000	1000 lbf x 5 lbf	450 kgf x 5 kgf	825.00	995.00

### ACCESSORIES

Model	Description	Price
SD/0095	Calibration Spring	\$25.00

Prices and specifications are subject to change without notice.

[www.wagnerinstruments.com](http://www.wagnerinstruments.com)

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