

FLASH 36 Tester & Spring Auto-Loader

FLASH Series

The FLASH 36 is capable of testing springs to a force of 50,000 lbs. and is designed to handle large parts with heavy loads. Plate diameter is up to 18" and supports a load cell configuration to 50,000 lbs. The FLASH 36 has a complete enclosure and a removable top plate to accommodate a large thru-rod for testing parts that tend to buckle under load. The optional Autoloader shuttles heavy parts into the tester. The optional thru-rod accessory kit is pneumatically powered and easy to use.

Standard Features:

- Compression and extension testing of force and length
- Full color LCD touch screen FLASH interface
- Full color LCD touch screen Auto-Loader interface
- Integrated Windows 7
- Up to 50,000 lb. capacity
- Smart load cells (choose from 7)
- 240 volt Whisper servo drive
- NIST traceable digital calibration

Mechanical Features:

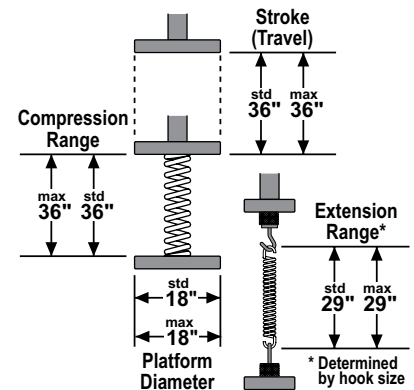
- Auto-Loader handles parts weighing up to 500 lb.
- Side access door for manual part loading
- 4 preloaded / pretensioned ball screws w/ metal covers
- Rigid preloaded linear bearings
- 12" or 18" Ø platforms
- Pneumatic thru-rod up to 6" Ø
- Pneumatic loading door for part placement & removal
- 3 load cell platform for maximum off center loading
- Optional spring squareness attachment

Connectivity Features:

- Ethernet port for network access
- USB for easy printing / software updates
- RS 232 and automation interfaces
- Remote support / diagnostic capability via the internet
- Optional automation interface

Safety Features:

- Easy access to two emergency stop buttons
Under the FLASH interface screen
On Auto-Loader next to "Start Cycle"
- Test abort button
- Two emergency stop button locations:
- Fully interlocked enclosure
- Steel mesh backs polycarbonate windows
- Thru-rod for buckling springs
- Mechanical overload stops
- Software length and force limits
- Tambour-style cover makes Auto-Loader fingers safe
- No more back strain loading heavy parts!
- Expandable thru-rod fits springs of varying diameters



| FLASH 36 - Force Specifications | | | |
|---------------------------------|-----------|------------|------------|
| Part No. | Capacity | Resolution | |
| | | 0-20% FS | 20-100% FS |
| 025-0000-0885-01 | 1,000 lb | 0.02 lb | 0.2 lb |
| | 454 kg | 0.01 kg | 0.1 kg |
| 025-0000-0885-03 | 4,448 N | 0.1 N | 1 N |
| | 3,000 lb | 0.1 lb | 1 lb |
| | 1,361 kg | 0.05 kg | 0.5 kg |
| 025-0000-0885-06 | 13,345 N | 0.5 N | 5 N |
| | 6,000 lb | 0.2 lb | 2 lb |
| | 2,722 kg | 0.1 kg | 1 kg |
| 025-0000-0885-10 | 26,690 N | 1 N | 10 N |
| | 10,000 lb | 0.2 lb | 2 lb |
| | 4,536 kg | 0.1 kg | 1 kg |
| 025-0000-0885-20 | 44,482 N | 1 N | 10 N |
| | 20,000 lb | 0.5 lb | 5 lb |
| | 9,072 kg | 0.2 kg | 2 kg |
| 025-0000-0885-30 | 88,964 N | 2 N | 20 N |
| | 35,000 lb | 1 lb | 10 lb |
| | 15,875 kg | 0.5 kg | 5 kg |
| 025-0000-0885-50 | 155,690 N | 5 N | 50 N |
| | 50,000 lb | 2 lb | 20 lb |
| | 22,679 kg | 1 kg | 10 kg |
| | 222,411 N | 10 N | 100 N |

Accuracy = ± Full Scale Resolution x 2

| FLASH 36 - Length Specifications | | | |
|----------------------------------|--------------|------------------|--------------|
| Standard Resolution | | High Resolution* | |
| Resolution | Accuracy (±) | Resolution | Accuracy (±) |
| 0.0005 in | 0.001 in | 0.0001 in | 0.0005 in |
| 0.01 mm | 0.02 mm | 0.001 mm | 0.01 mm |



Ready for Part



Ready to Load



Side Access Door



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