

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 Auto-loader 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:

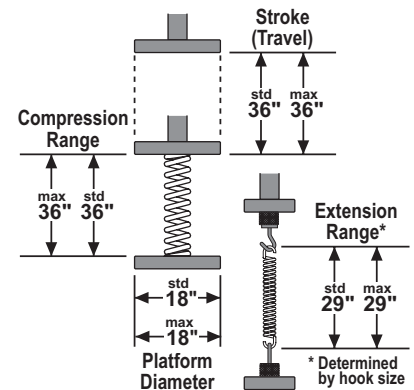
- Auto-Loader handles parts weighing up to 500 lb.
- Side access door for manual part loading
- 4 preloaded / pretensioned ball screws w/ metal covers
- Rigid preloaded linear bearings
- 12" or 18" Ø platforms
- Pneumatic thru-rod up to 6" Ø
- Pneumatic loading door for part placement & removal
- 3 load 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
025-0000-0885-06	1,361 kg	0.05 kg	0.5 kg
	13,345 N	0.5 N	5 N
025-0000-0885-10	6,000 lb	0.2 lb	2 lb
	2,722 kg	0.1 kg	1 kg
025-0000-0885-20	26,690 N	1 N	10 N
	10,000 lb	0.2 lb	2 lb
025-0000-0885-35	4,536 kg	0.1 kg	1 kg
	44,482 N	1 N	10 N
025-0000-0885-50	20,000 lb	0.5 lb	5 lb
	9,072 kg	0.2 kg	2 kg
025-0000-0885-35	88,964 N	2 N	20 N
	35,000 lb	1 lb	10 lb
025-0000-0885-50	15,875 kg	0.5 kg	5 kg
	155,690 N	5 N	50 N
025-0000-0885-50	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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