

FLASH 36 Tester & Spring Auto-Loader Series

The FLASH 36 is capable of testing springs up to 50,000 lbf and is designed to handle large parts with heavy loads. Plate diameter is 12" or 18" and supports a load cell configuration up to 50,000 lbf. The tester's completely interlocked enclosure has a removable top plate to accommodate an optional pneumatic thru-rod for testing parts that tend to buckle under load. The optional Auto-Loader shuttles heavy parts weighing up to 500 lb in and out of the tester.

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 10
- Up to 50,000 lbf capacity
- Smart load cells (choose from 7)
- 240 volt Whisper servo drive
- NIST traceable digital calibration

Mechanical Features:

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

Connectivity Features:

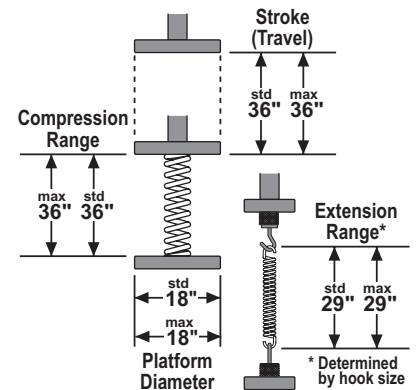
- Ethernet port for network access
- USB for easy printing / software updates
- RS 232 and automation interfaces
- Remote support / diagnostic capability via the internet
- Optional automation interface

Safety Features:

- Easy access to two emergency stop buttons
 - Under the FLASH touch screen interface
 - On the Auto-Loader next to "Start Cycle" button
- Test abort button
- Fully interlocked enclosure
- Steel mesh backs polycarbonate windows
- Thru-rod for buckling springs (optional)
- Mechanical overload stops
- Software length and force limits
- Tambour-style Auto-Loader cover keeps fingers safe
- No more back strain loading heavy parts!
- Optional thru-rod expands to fit springs of varying Ø



Auto-Loader (Optional)



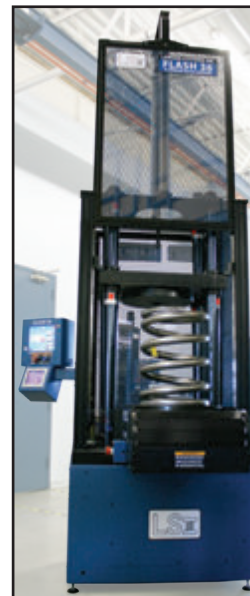
FLASH 36 - Force Specifications			
Part No.	Capacity	Resolution	
		0-20% FS	20-100% FS
025-0000-0885-01	1,000 lbf	0.02 lbf	0.2 lbf
	454 kg	0.01 kg	0.1 kg
025-0000-0885-03	4,448 N	0.1 N	1 N
	3,000 lbf	0.1 lbf	1 lbf
025-0000-0885-06	1,361 kg	0.05 kg	0.5 kg
	13,345 N	0.5 N	5 N
025-0000-0885-10	6,000 lbf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

Pneumatic Thru-Rod (Optional)



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