



Motorized Spring Tester Feature Comparison	FLASH 11	FLASH 24	FLASH 25	FLASH 36	FLASH 48	STAR 11	STAR 25	RoboSTAR
Force Measurement	☑	☑	☑	☑	☑	☑	☑	☑
Length Measurement	☑	☑	☑	☑	☑	☑	☑	☑
Standard Compression Range	10"	24"	24"	36"	48"	15"	29"	15"
Maximum Compression Range	10"	24"	24"	36"	48"	15"	29"	15"
Standard Extension Range	8"	22"	20"	32"	44"	13"	27"	13"
Maximum Extension Range	8"	22"	20"	32"	44"	36" +	50" +	36" +
Standard Stroke	10"	24"	24"	36"	48"	11"	25"	11"
Maximum Stroke	10"	24"	24"	36"	48"	11"	25"	11"
Standard Platform Diameter Ø	3.5"	3.5"	12"	18"	12"	2"	2"	2"
Maximum Platform Diameter Ø	3.5"	3.5"	12"	18"	12"	8"	8"	8"
Twist Under Load (TUL) Platform	Opt	Opt	☑	Opt	☑	Opt	Opt	Opt
Standard Length Resolution	0.0005"	0.0005"	0.0005"	0.0005"	0.0005"	0.0005"	0.0005"	0.0005"
Standard Length Accuracy	0.001"	0.001"	0.001"	0.001"	0.001"	0.001"	0.001"	0.001"
Quick Change Load Cell - 2 lbf / 907 g / 8.9 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 11 lbf / 5 kg / 49 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 22 lbf / 10 kg / 98 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 66 lbf / 30 kg / 294 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 110 lbf / 50 kg / 489 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 200 lbf / 91 kg / 890 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 500 lbf / 227 kg / 2,224 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 550 lbf / 249 kg / 2,447 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 750 lbf / 340 kg / 3,336 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 1,000 lbf / 454 kg / 4,448 N	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 1,500 lbf / 680 kg / 6,672 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Quick Change Load Cell - 2,000 lbf / 907 kg / 8,896 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Load Cell - 1,000 lbf / 454 kg / 4,448 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Load Cell - 2,000 lbf / 907 kg / 8,896 N	N/A	N/A	☑	☑	☑	N/A	N/A	N/A
Load Cell - 3,000 lbf / 1,361 kg / 13,345 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Load Cell - 5,000 lbf / 2,268 kg / 22,241 N	N/A	N/A	N/A	☑	N/A	N/A	N/A	N/A
Load Cell - 6,000 lbf / 2,722 kg / 26,690 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Load Cell - 10,000 lbf / 4,536 kg / 44,482 N	N/A	N/A	☑	☑	☑	N/A	N/A	N/A
Load Cell - 15,000 lbf / 6,804 kg / 66,723 N	N/A	N/A	☑	N/A	☑	N/A	N/A	N/A
Load Cell - 20,000 lbf / 9,072 kg / 88,964 N	N/A	N/A	N/A	☑	N/A	N/A	N/A	N/A
Load Cell - 35,000 lbf / 15,875 kg / 155,687 N	N/A	N/A	N/A	☑	N/A	N/A	N/A	N/A
Load Cell - 50,000 lbf / 22,679 kg / 222,411 N	N/A	N/A	N/A	☑	N/A	N/A	N/A	N/A
STAR Load Cell - 2 lbf / 907 g / 8.9 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 11 lbf / 5 kg / 49 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 22 lbf / 10 kg / 98 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 44 lbf / 20 kg / 196 N	N/A	N/A	N/A	N/A	N/A	☑	☑	N/A
STAR Load Cell - 66 lbf / 30 kg / 294 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 110 lbf / 50 kg / 489 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 132 lbf / 60 kg / 587 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 200 lbf / 91 kg / 890 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 220 lbf / 100 kg / 986 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 400 lbf / 181 kg / 1,779 N	N/A	N/A	N/A	N/A	N/A	☑	☑	N/A
STAR Load Cell - 550 lbf / 249 kg / 2,447 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 1,000 lbf / 454 kg / 4,448 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
STAR Load Cell - 2,000 lbf / 907 kg / 8,896 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑

STAR Load Cell - 3,000 lbf / 1,361 kg / 13,345 N	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
FLASH Interface	☑	☑	☑	☑	☑	☑	☑	☑
Adjustable Travel / Test Speed	☑	☑	☑	☑	☑	☑	☑	☑
Compression Testing	☑	☑	☑	☑	☑	☑	☑	☑
Extension Testing	☑	☑	☑	☑	☑	☑	☑	☑
Full Color Touch Screen	☑	☑	☑	☑	☑	☑	☑	☑
Integrated Windows 10	☑	☑	☑	☑	☑	☑	☑	☑
Digital Calibration	☑	☑	☑	☑	☑	☑	☑	☑
NIST Traceable Calibration	☑	☑	☑	☑	☑	☑	☑	☑
Built-In Deflection Compensation	☑	☑	☑	☑	☑	☑	☑	☑
Multiple Measurement Units	☑	☑	☑	☑	☑	☑	☑	☑
Safety Features	FLASH 11	FLASH 24	FLASH 25	FLASH 36	FLASH 48	STAR 11	STAR 25	RoboSTAR
Fully Interlocked Enclosure	☑	☑	☑	☑	☑	N/A	N/A	N/A
Test Abort Button	☑	☑	☑	☑	☑	☑	☑	☑
Easy Access to Emergency Shutoff	☑	☑	☑	☑	☑	☑	☑	☑
Mechanical Overload Stops	☑	☑	☑	☑	☑	☑	☑	☑
Software Length / Force Limits	☑	☑	☑	☑	☑	☑	☑	☑
Light Curtain Guard	N/A	N/A	Opt	N/A	Opt	Opt	Opt	Opt
Mechanical Features	FLASH 11	FLASH 24	FLASH 25	FLASH 36	FLASH 48	STAR 11	STAR 25	RoboSTAR
1" Diameter Preloaded / Pretensioned Ball Screws	☑	☑	N/A	N/A	N/A	☑	☑	☑
120 Volt Whisper Servo Drive (1,000 lbf Systems)	N/A	N/A	N/A	N/A	N/A	☑	☑	☑
240 Volt Single Phase Servo Drive (2,000 lbf, 3,000 lbf, 6,000 lbf, 10,000 lbf Systems)	N/A	N/A	☑	☑	☑	☑	☑	☑
240 Volt Three Phase Servo Drive (15,000 lbf Systems & Up)	N/A	N/A	☑	☑	☑	N/A	N/A	N/A
Sturdy Quad Ball-Screw Design	N/A	N/A	☑	☑	☑	N/A	N/A	N/A
Telescoping Metal Ball Screw Covers	N/A	N/A	Opt	Opt	Opt	N/A	N/A	N/A
Triple Load Cell Platform for Maximum Off-Center Load Capacity	N/A	N/A	N/A	☑	☑	N/A	N/A	N/A
Rigid Preloaded Linear Bearings	☑	☑	☑	☑	☑	☑	☑	☑
Quick Change Load Cells	☑	☑	☑	N/A	☑	N/A	N/A	N/A
Whisper Servo Drive	☑	☑	☑	☑	☑	☑	☑	☑
Thru-Rod Capability	☑	☑	☑	☑	☑	☑	☑	☑
Pneumatic Thru-Rod Option	N/A	N/A	☑	☑	☑	N/A	N/A	N/A
Screw Driven Thru-Rod Option	N/A	N/A	N/A	N/A	☑	N/A	N/A	N/A
Spring Auto-Loader	N/A	N/A	N/A	Opt	N/A	N/A	N/A	N/A
Spring Squareness Tester	N/A	N/A	N/A	Opt	N/A	N/A	N/A	N/A
Connectivity	FLASH 11	FLASH 24	FLASH 25	FLASH 36	FLASH 48	STAR 11	STAR 25	RoboSTAR
Ethernet Port for PC Network Access	☑	☑	☑	☑	☑	☑	☑	☑
USB / RS 232 Output	☑	☑	☑	☑	☑	☑	☑	☑
Automation Interface	☑	☑	☑	☑	☑	☑	☑	☑
Remote Support / Diagnostic Capability via the Internet	☑	☑	☑	☑	☑	☑	☑	☑

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