

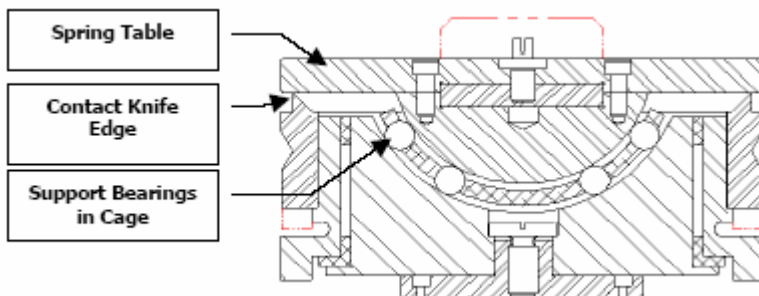
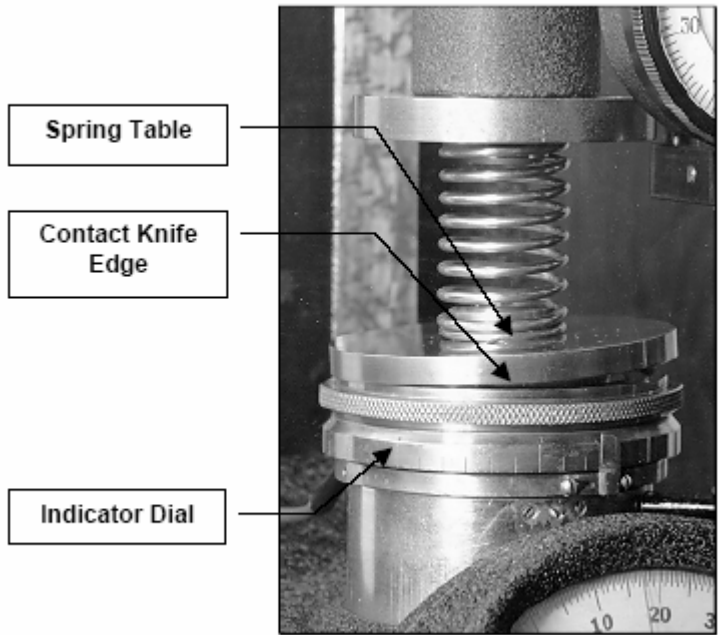


# Squareness Under Load Spring Test Unit

The SUL testing unit allows compression springs to be tested for "Squareness Under Load". Realizing the troubles caused by unsquare springs, engineers often specify that springs must have their ends ground within certain close limits or squareness with the center line, as checked at free height. However, a spring may have its ends ground exactly at right angles to the center line at free height and still be considered out of square at its rated load.

The Link Engineering SUL test unit has made this condition easily proven by test. Any test made on this spring tester at free height is merely a check on the accuracy of grinding and the true value of a spring can only be determined by test when compressed under its rated load. With the SUL installed on Link Spring Tester, squareness can be tested at any designated test height or load.

The SUL unit consists of a tilting spring table with a spherical bottom which rests in a matching "bowl" on ball bearings. As the spring is compressed the lower end of the spring and the spring table are free to rotate to a static unsquare position. The SUL indicator dial is turned (raised or lowered) until contact is just made between the underside of the spring table and the contact knife-edge. The contact is indicated by an audible beep or light signal. At this position, the table angle is read on the indicator dial.



Model	Capacity (lbs.)	Platen OD (in.)	Range (degrees)	Graduations (minutes)	Grad. Spacing (in.)
2176-CA	10/50	1.75"	4 deg	5 min	1/8"
2544-CA	125/250	3"	4 deg.	5 min	7/32"
0915-C	500/1000	6"	4 deg.	5 min.	7/16"
0915-C-X1	1750	6"	4 deg.	5 min.	7/16"

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