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# SLC Series Loadcells for DFS-R-ND Series

**Specification Sheet**  
SS-FM-3015-0105 Janu-  
ary 2005

The CHATILLON® SLC Series loadcells are full-bridge strain gauge sensors complete with 15-pin plug. These loadcells are used exclusively with the Chatillon DFS-R-ND Series digital indicator. The loadcell values and sensitivity factors are stored in memory within the sensor plug. When connected to a DFS-R-ND indicator, the capacity and calibration points are automatically recognized by the instrument. The instrument then becomes a full-featured load measurement instrument. The SLC Series loadcells meet ASTM E4 and BS EN ISO 7500 part 1 for a  $\pm 0.25\%$  accuracy sensor. The loadcells are connected to the DFS-R-ND with a retractable cord that extends fully to nearly 9 ft. (3 m).

DFS-R with Low Capacity Sensor

## Remote Sensors- Load Measurement

	Model	ozf	gf	lbf	kgf	N
Low	SLC-250G	8 x 0.002	250 x 0.05	0.5 x 0.0001	0.2 x 0.0001	2.5 x 0.0005
	SLC-0002	32 x 0.005	1000 x 0.1	2 x 0.0002	1 x 0.0001	10 x 0.001
	SLC-0010	160 x 0.02	5000 x 0.5	10 x 0.001	5 x 0.0005	50 x 0.005
	SLC-0025	400 x 0.05	10,000 x 1	25 x 0.002	10 x 0.001	100 x 0.01
	SLC-0050	800 x 0.1	25,000 x 2	50 x 0.005	25 x 0.002	250 x 0.02
High	SLC-0100	1600 x 0.2	50,000 x 5	100 x 0.01	50 x 0.005	500 x 0.05
	SLC-0200	-	-	200 x 0.02	100 x 0.01	1000 x 0.1
	SLC-0500	-	-	500 x 0.05	250 x 0.02	2500 x 0.2
	SLC-1000	-	-	1000 x 0.1	500 x 0.05	5000 x 0.5

## Specifications

- Input Resistance:** 1000 ohms  $\pm 100$
- Output Resistance:** 1000 ohms  $\pm 100$
- Rated Output:** 2.0 mV/V
- Safe Overload:** 150% Full Scale
- Non-Linearity:**  $\pm 0.05\%$  Full Scale
- Hysteresis:**  $\pm 0.05\%$  Full Scale
- Zero Balance:**  $\pm 1.0\%$  Full Scale
- Operating Temp:** 30° to 120°F (-40° to 82°C)

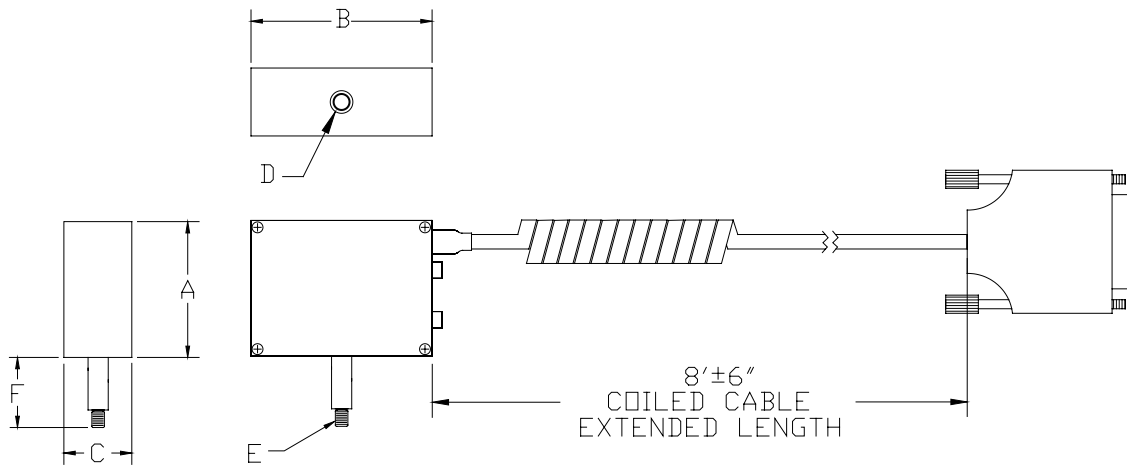


**You Get More with Your CHATILLON Gauge.**

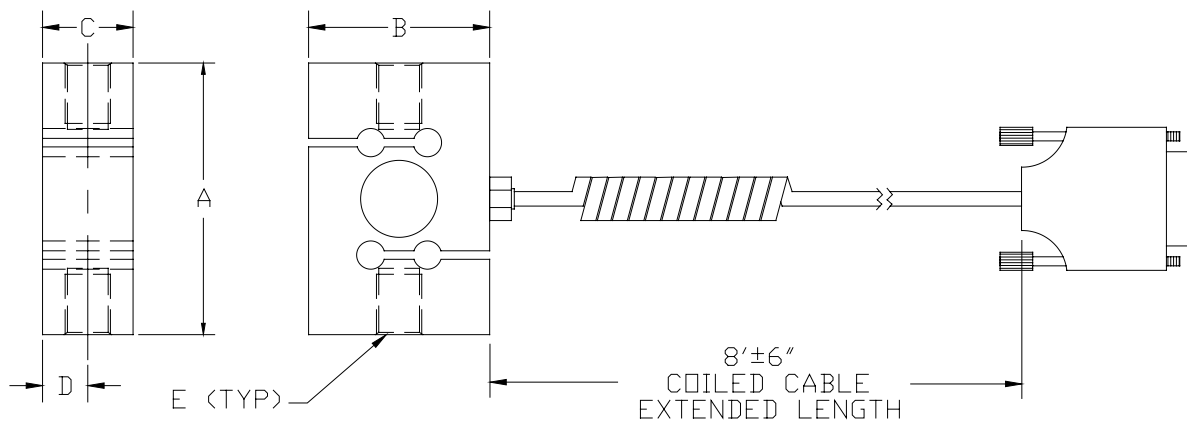
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# Dimensions - SLC Series



25 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
10 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
2 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
250 G	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
CAPACITY	A	B	C	D FEMALE THREAD	E MALE THREAD	F



1000 LBF	2.98 [75.7]	2.50 [63.5]	.98 [24.9]	.49 [12.4]	1/2-20
500 LBF	2.98 [75.7]	2.00 [50.8]	.98 [24.9]	.49 [12.4]	1/2-20
200 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
100 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
50 LBF	2.48 [63.0]	2.00 [50.8]	.61 [15.5]	.31 [7.9]	1/4-28
CAP.	A	B	C	D	E THREAD

E96-355

## AMETEK TEST AND CALIBRATION INSTRUMENTS

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