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SLC Series Loadcells for DFS-R-ND Series

Specification Sheet
SS-FM-3015-0106
January 2006

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-0200 with Dedicated SLC Sensor

Remote Sensors- Load Measurement

	Model	ozf	gf	lbf	kgf	N	Deflection
Low	SLC-250G	8 x 0.002	250 x 0.05	0.5 x 0.0001	0.25 x 0.0001	2.5 x 0.0005	0.013 ± 0.004
	SLC-0002	32 x 0.005	1000 x 0.1	2 x 0.0002	1 x 0.0001	10 x 0.001	0.013 ± 0.004
	SLC-0010	160 x 0.02	5000 x 0.5	10 x 0.001	5 x 0.0005	50 x 0.005	0.013 ± 0.004
	SLC-0025	400 x 0.05	10,000 x 1	25 x 0.002	10 x 0.001	100 x 0.01	0.015 ± 0.004
	SLC-0050	800 x 0.1	25,000 x 2	50 x 0.005	25 x 0.002	250 x 0.02	0.006 ± 0.003
High	SLC-0100	1600 x 0.2	50,000 x 5	100 x 0.01	50 x 0.005	500 x 0.05	0.008 ± 0.003
	SLC-0200	-	-	200 x 0.02	100 x 0.01	1000 x 0.1	0.008 ± 0.003
	SLC-0500	-	-	500 x 0.05	250 x 0.02	2500 x 0.2	0.008 ± 0.003
	SLC-1000	-	-	1000 x 0.1	500 x 0.05	5000 x 0.5	0.012 ± 0.003
	SLC-2000	-	-	2000 x 0.2	1000 x 0.1	10000 x 1	0.018 ± 0.003
	SLC-5000	-	-	5000 x 0.5	2500 x 0.2	25000 x 2	0.013 ± 0.003
SLC-10000	-	-	10000 x 1	5000 x 0.5	50000 x 5	0.011 ± 0.003	

Specifications

Input Resistance:	1000 ohms ± 100
Output Resistance:	1000 ohms ± 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)

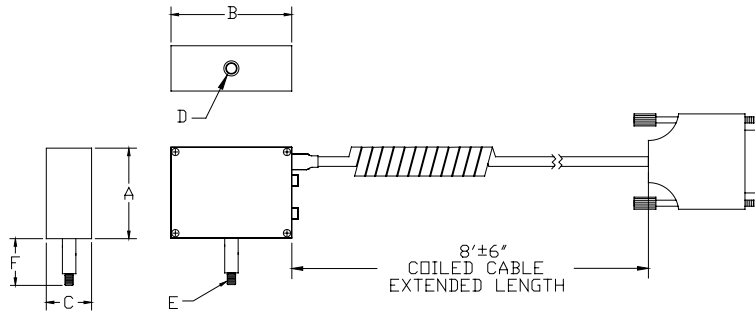


You Get More with Your CHATILLON Gauge.

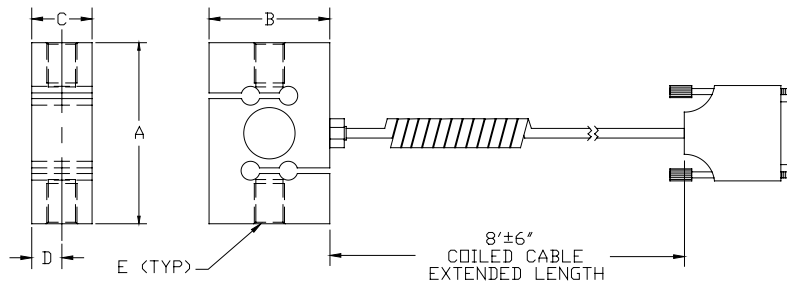
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Dimensions - SLC Series

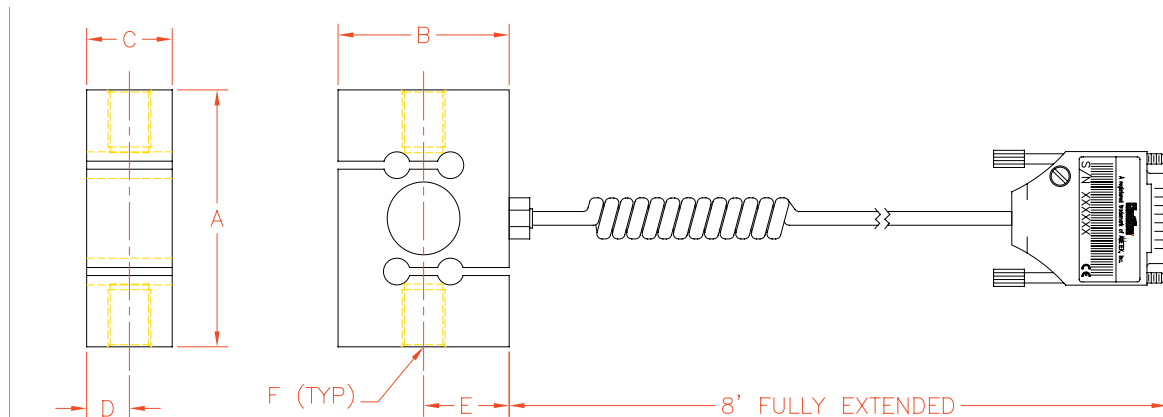


25 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
10 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
2 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
250 G	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
CAPACITY	A	B	C	D FEMALE THREAD	E MALE THREAD	F



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

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50 KN	3.937±.015	3.00	1.43	.718	1.500	3/4-16
25 KN	3.937±.015	2.75	1.19	.594	1.375	3/4-16
10 KN	3.437±.015	2.25	.94	.469	1.125	1/2-20
CAPACITY	A	B	C	D	E	F THREAD

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