

## SLC Series Loadcells for DFS-R-ND Series

Specification Sheet  
SS-FM-3015-0506  
May 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 loadcells are connected to the DFS-R-ND with a retractable cord that extends fully to nearly 9 ft. (3 m).

### Remote Sensors- Load Measurement

DFS-R-0200 with Dedicated SLC Sensor

	Model	ozf	gf	lbf	kgf	N	Deflection	Accuracy
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	±0.25%
	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	±0.25%
	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	±0.25%
	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	±0.25%
	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	±0.25%
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	±0.25%
	SLC-0200	-	-	200 x 0.02	100 x 0.01	1000 x 0.1	0.008 ±0.003	±0.25%
	SLC-0500	-	-	500 x 0.05	250 x 0.02	2500 x 0.2	0.008 ±0.003	±0.25%
	SLC-1000	-	-	1000 x 0.1	500 x 0.05	5000 x 0.5	0.012 ±0.003	±0.25%
	SLC-2000	-	-	2000 x 0.2	1000 x 0.1	10000 x 1	0.018 ±0.003	±0.5%
	SLC-5000	-	-	5000 x 0.5	2500 x 0.2	25000 x 2	0.013 ±0.003	±0.5%
SLC-10000	-	-	10000 x 1	5000 x 0.5	50000 x 5	0.011 ±0.003	±0.5%	

### Specifications

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

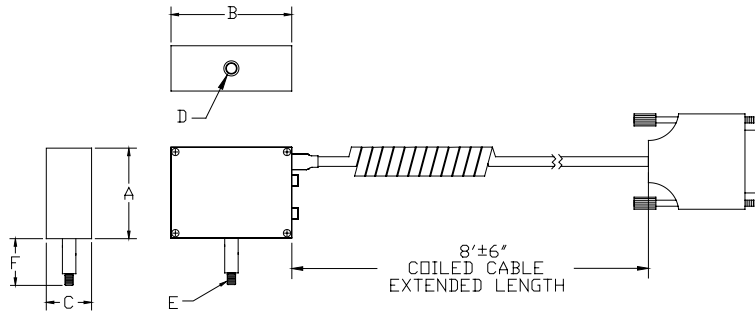


You Get More with Your CHATILLON Gauge.

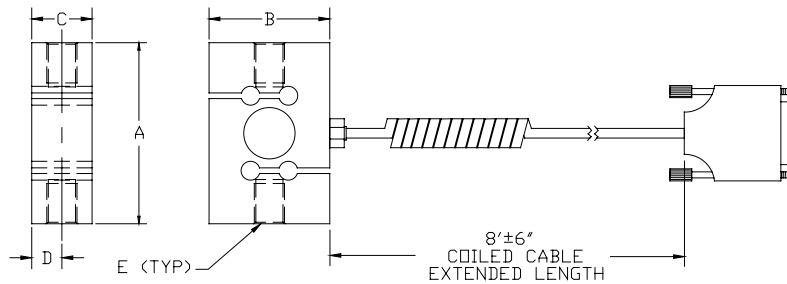
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# Dimensions - SLC Series

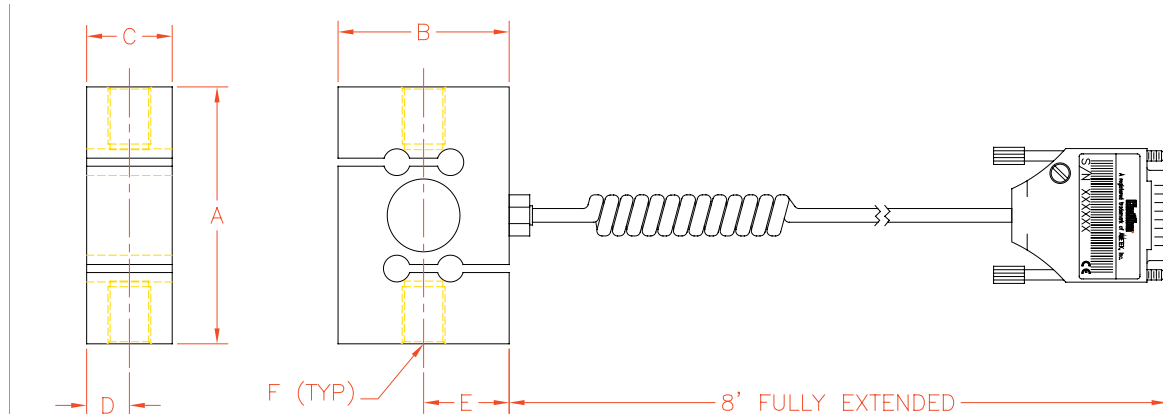


25 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
10 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
2 LBF	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
250 G	1.50 [38.1]	2.00 [50.8]	.75 [19.0]	#10-32	#10-32	.75
CAPACITY	A	B	C	D FEMALE THREAD	E MALE THREAD	F



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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## US GAUGE DIVISION

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to [www.chatillon.com](http://www.chatillon.com)

### Americas

AMETEK US Gauge Division  
8600 Somerset Drive  
Largo, Florida 33773  
United States of America  
Tel +1-727-536-7831  
Tel +1-800-527-9999  
Fax +1-727-539-6882  
Email [chatillon.fl-lar@ametek.com](mailto:chatillon.fl-lar@ametek.com)

### United Kingdom

Lloyd Instruments Ltd.  
12 Barnes Wallis Road  
Segensworth East  
Fareham  
Hants, PO15 5TT  
United Kingdom  
Tel +44 (0) 1489 486 399  
Fax +44 (0) 1489 885 118  
Email [uk-far.general@ametek.co.uk](mailto:uk-far.general@ametek.co.uk)

### France

AMETEK S.A.S.  
Rond Point de l'Épine des Champs  
Buro Plus - Bat. D  
78990 Elancourt  
France  
Tel +33 (0)1 30 68 89 40  
Fax +33 (0)1 30 68 89 49  
Email  
[general.lloyd-instruments@ametek.fr](mailto:general.lloyd-instruments@ametek.fr)

### Germany

AMETEK GmbH  
Rudolf-Diesel-Strasse 16  
D-40670 Meerbusch  
Germany  
Tel +49 (0)2159 9136-70  
Fax +49 (0)2159 9136-39  
Email [info@ametek.de](mailto:info@ametek.de)

### Singapore

AMETEK Singapore Pvt. Ltd.  
10 Ang Mo Kio Street 65  
#05-12 Techpoint  
Singapore 569059  
Tel +65-484-2388  
Fax +65-481-6588  
Email [aspl@ametek.com.sg](mailto:aspl@ametek.com.sg)

Visit Us on the Worldwide Web at:  
[www.chatillon.com](http://www.chatillon.com)

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