
Model 5500

Cable Load Cell

FEATURES

- Easy to mount directly on the fixed point of the cable
- Available capacities from 0.25 to 24 metric tons on the cable
- Reliable and economical solution
- Available in stainless steel
- Protection IP 65
- A complete range of electronics, load monitoring units and displays are also offered “CE” certified
- “EEx” ia II C T4/T6 version available
- Available with optional 4 to 20 mA or 1 to 5 VDC amplifier
- Suitable for a very large range of cable diameters: from 6 mm to 45 mm
- Quick and easy installation
- Especially designed for retrofitting in existing crane equipment



APPLICATIONS

The 5500 is perfectly suited for hoisting and crane security in combination with a Magtrol Load Monitoring Unit (LMU 112, LMU 117 or LMU 116).

RATINGS

MODEL DESIGNATION			Load (t)**			Torque (N·m)	Cable Diameter	Cable Length
suffix:	Alloy Steel	Stainless Steel	Minimum	Nominal	Maximum	Optimum	<i>mm</i>	<i>m</i>
5500	/ 1TSA**	/ 1TTSI	0.25	0.8	1.2	10	6 to 12	3
5500	/ 1TSA*	/ 1TSI	0.40	1.1	1.5	15	6 to 14	3
5500	/ 1SA*	/ 1SI	0.75	2.0	2.8	15	10 to 16	3
5500	/ 1A*	/ 1I	1.60	3.5	5.0	15	12 to 20	3
5500	/ 2A*	/ 2I	2.00	5.0	7.0	20	18 to 26	3
5500	/ 3A	/ 3I	5.00	10.0	16.0	25	26 to 36	6
5500	/ 4A	/	10.00	15.0	24.0	20	35 to 45	6

* Alloy Steel = Label VGS

** Only in version 5500J, 4 to 20 mA, 3 wires

*** Table detailing sensitivity and electronic limits for each cable diameter available upon request.

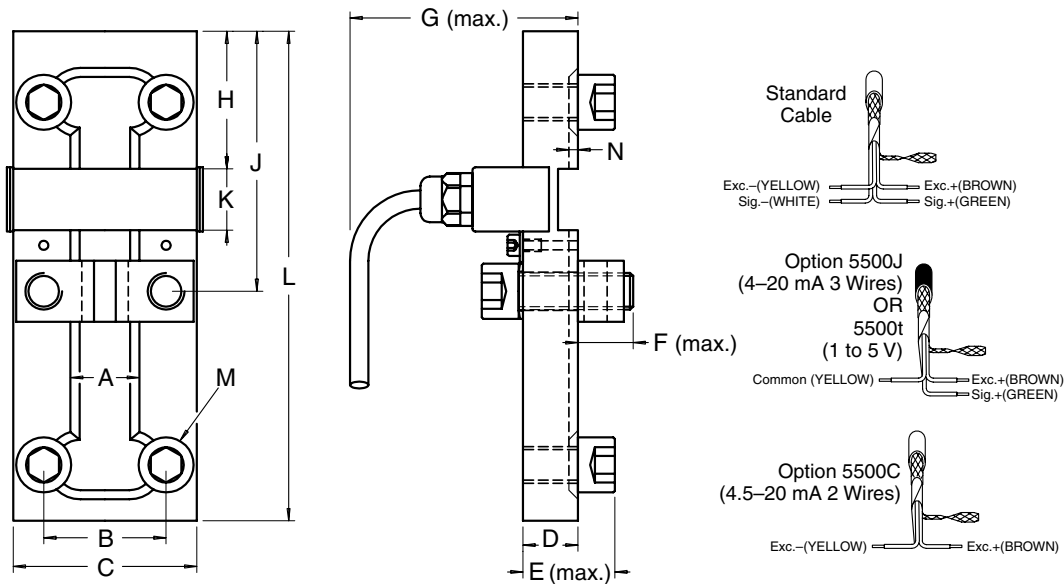
OPTIONS

Model	Amplifier Units	Amplifier Range		
		Minimum	Nominal	Maximum
5500	<i>mV/V</i>	0.5	± 1.3	± 2
5500J	<i>mA</i>	4 to 9	4 to 17	4 to 23
5500C	<i>mA</i>	4.5 to 9	4.5 to 17	4.5 to 23
5500t	<i>V</i>	1 to 2	1 to 3.6	1 to 5

Ordering Example

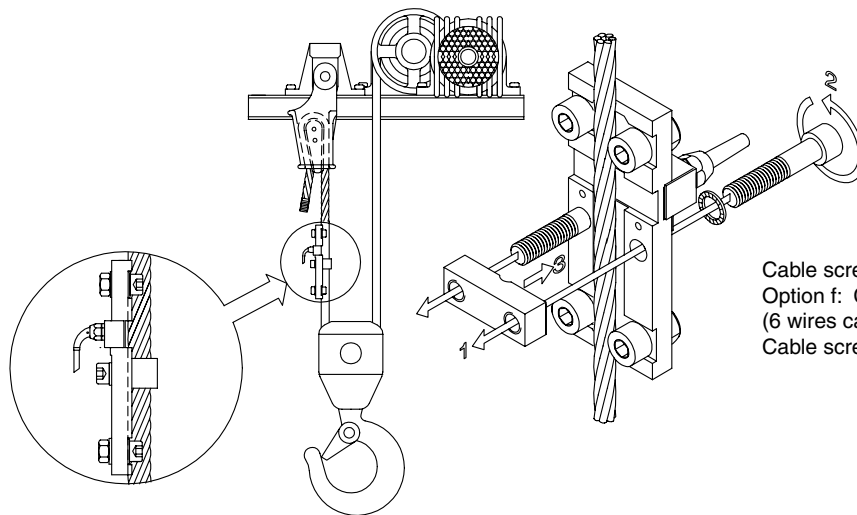
A Model 5500 stainless steel Load Cell with a load rating of 0.4 to 1.5 t and a 4 to 23 mA amplifier would be ordered as a 5500J / 1TSI .

DIMENSIONS (mm)



Model	±A	B	C	D	E	±F	G	H	J	K	L	M	N
5500 / 1X*	20	40	60	18	30	31	100	45	85	20	160	M12	3
5500 / 2A / 2I	20	50	75	18	30	40	100	45	85	20	160	M12	3
5500 / 3A / 3I	25	68	100	25	41	55	115	55	95	20	200	M16	3
5500 / 4A /	35	75	115	26	46	70	116	55	110	20	230	M20	3

* Includes: 5500 / ITTSA, 5500 / ITTSl, 5500 / ITSA, 5500 / ITSl, 5500 / ISA, 5500 / ISl, 5500 / IA and 5500 / II



Cable screen not connected to transducer
 Option f: Cable screen connected to transducer
 (6 wires cable in option)
 Cable screen connected to transducer for option t, C, J

Due to the continual development of our products, we reserve the right to modify specifications without forewarning.



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