www.sensy.com

5580-5585 RUNNING LINE TENSIOMETER WITH REMOVABLE CENTER SHEAVE

Load cell specially designed to measure the tension force applied to a running cable or a running rope.
The removable center sheave allows easy installation without the need to cut the winch lines.

- Wide range of cables (Ø from 6 up to 50 mm)
- Protection : IP65
- Material :
  - Load pin : stainless steel
  - Other : 5580: stainless steel
    5585: nickel plated steel
- Complete range of electronics, load limitation devices and displays CE certified
- Custom made manufacturing
- Available options (non exhaustive list) :
  - ATEX Ex ia IIC T6 to T4 certified (hazardous area)
  - Protection IP67 marine
  - Amplified output signal (4..20 mA or 1..5 V)
  - Sheaves of synthetic material

Model 5580

The SENSY's load cells 5580 and 5585 are perfectly designed to the following applications :

- Tension measurement of towage and haulage cable
- Force measurement of winches
- Load limitation of hoisting devices, cranes and overhead cranes
  (in combination with load limitation devices (CRANEBOY, BRIDGEBOY, ...)

CAPACITIES :

5580-5585 : from 1 to 40 t

TECHNICAL DATA		
Combined error (non-linearity + hysteresis)	% F.S.	5
Reference temperature	°C	23
Nominal temperature range	°C	- 10...+ 45
Service temperature range	°C	- 30...+ 70
Storage temperature range	°C	- 50...+ 85
Temperature coefficient of the sensitivity	%/10°C	< ± 0.1
Temperature coefficient of zero signal	%F.S./10°C	< ± 0.1
Nominal sensitivity	mV/V	1
Input / Output resistance	Ohm	350 ± 20
Insulation resistance (50V)	MOhm	> 5000
Nominal excitation voltage	V	10
Nominal range of the excitation voltage	V	2...12
Safe load limit	% F.S.	200
Breaking load	% F.S.	> 500

F.S.: full scale Specifications subject to change without notice

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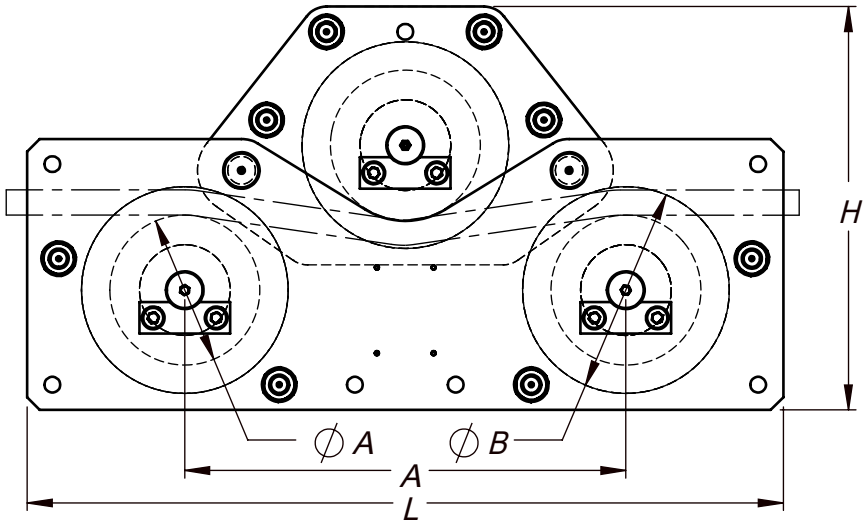
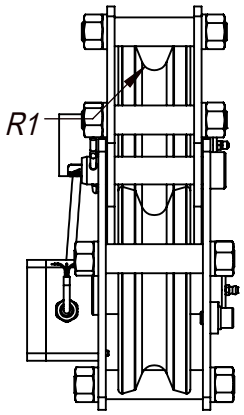
RUNNING LINE TENSIOMETER

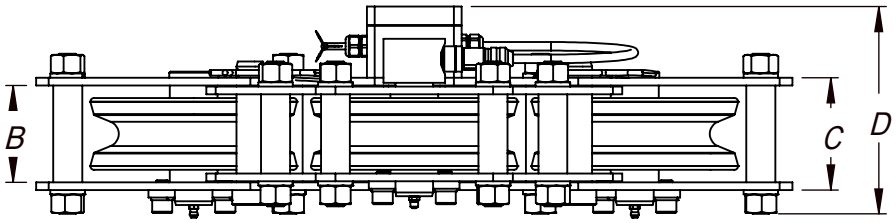
Model 5580 alloy steel

FOR CABLE ∅ 12 to 36 mm

Range 0.4-40t IP67



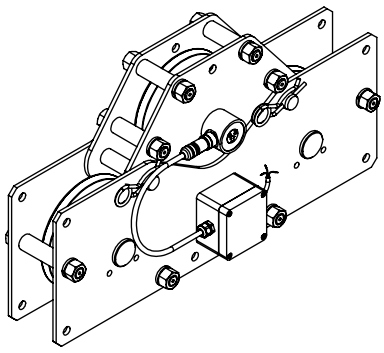


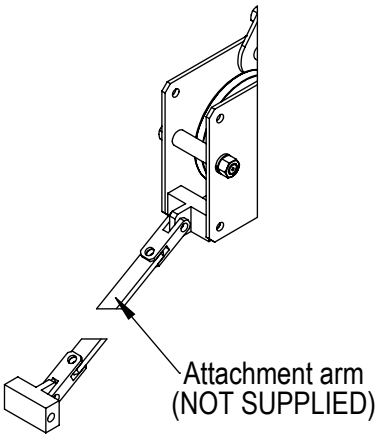


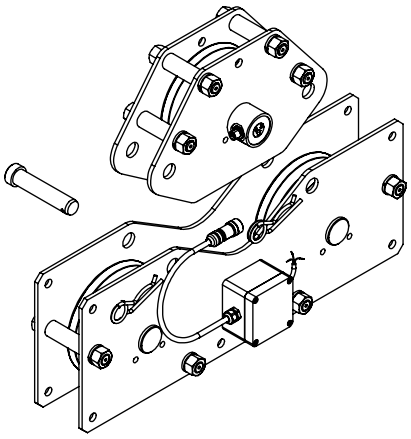
Design according to customer request
Some examples:

CAPACITIES	∅ CABLE (mm)	∅ A	∅ B	R1	A	B	C	D	H	L	Max. Speed	Weight (kg)
400 kg	12	48	90	8.5	500	34	50	110	117	630	1 m/s	± 9
1.5 t	12	48	90	8.5	500	34	50	110	140	630	1 m/s	± 10.6
6 t	16	119	151	9	500	34	50	110	140	661	6 m/s	± 38
20 t	min 28 - max 32	120	184	17	900	63	79	159	341	1210	80 m/min	± 51
40 t	36	206	278	19	900	94	122	224	497	1188	10 m/min	± 224

Configurator on www.runninglinetensiometer.com







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