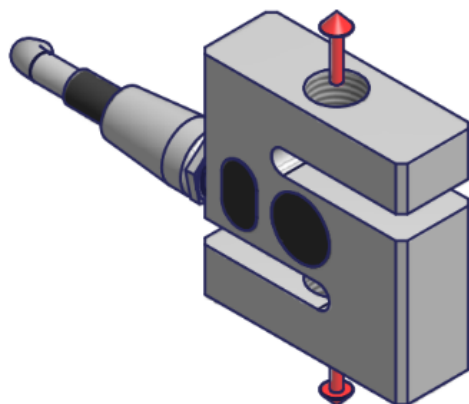


ST

Tension load cell

1. Product description

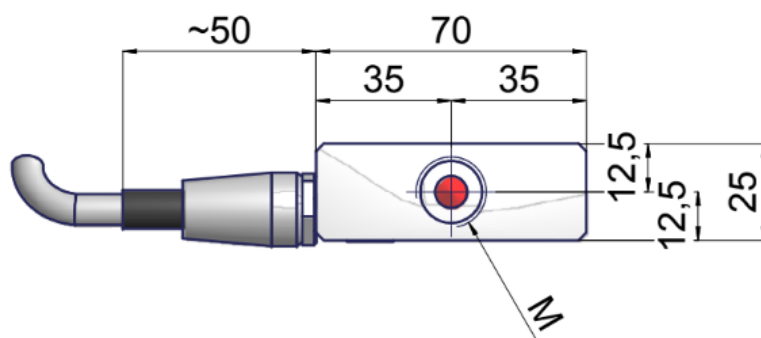
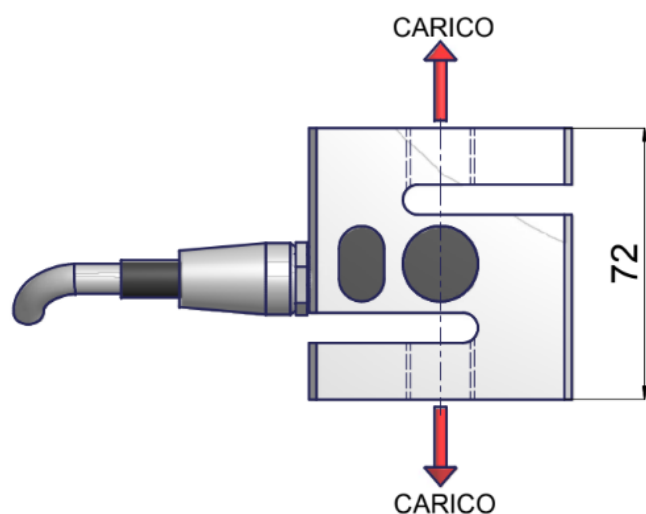


- 1 Capacities from 100 kg to 2500 kg
- 2 Aluminium construction from 100kg to 1000 kg
Steel construction from 1500kg to 2500 kg
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 On request ATEX and IECEx version

2. Applications

The tension load cells mod. ST are high precision and safe cells and they have a large application range in tension measuring.

3. Dimensions (mm.)



Portata kg	M	Materiale	Std	OIML	ATEX
100 - 150 - 200 - 250 - 300 - 350 - 500 - 1000 kg	M 12 x 1,75	Alluminio	✓		✓
1500 - 2000 - 2500 kg	M 16 x 2,00	Acciaio	✓		✓

ST

Tension load cell

4. Product features

Accuracy class	Standard
Capacities fs (E _{max})	100÷2500 kg
Rated output (C _n)	2 mV/V ± 0,1%
Nominal excitation range	10V
Maximum excitation	15V
Zero balance output	± 0,02 mV/V
Input resistance	400 ± 20 Ω
Output resistance	350 ± 2 Ω
Insulation resistance	> 5 GΩ
Combined error	<± 0,030% fs
Non repeatability	<± 0,015% fs
Creep 30 min.	<± 0,030% fs
Temperature effect on zero balance (5°C)	<± 0,02% fs
Temperature effect on rated output (5°C)	<± 0,005% fs
Compensated temperature range	-10°C ÷ +40°C
Operating temperature range	-20°C ÷ +70°C
Maximum safe load	150% fs
Ultimate load	>300% fs
Protection class (EN60529)	IP65
Material	Aluminium (from 100 to 1000kg) Steel (from 1500 to 2500kg)
Weight	~ 0,5 ÷ 1 kg
Cable lenght	5m - 6 x 0,14 mm ²

5. Wire diagram

