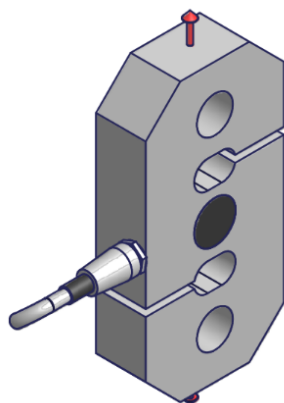


ST

Tension load cell

1. Product description

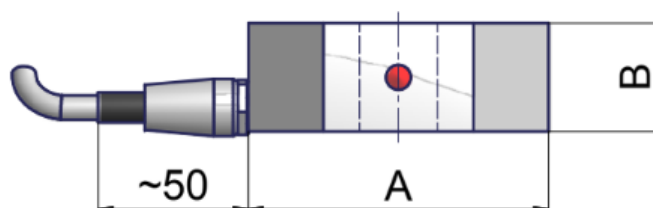
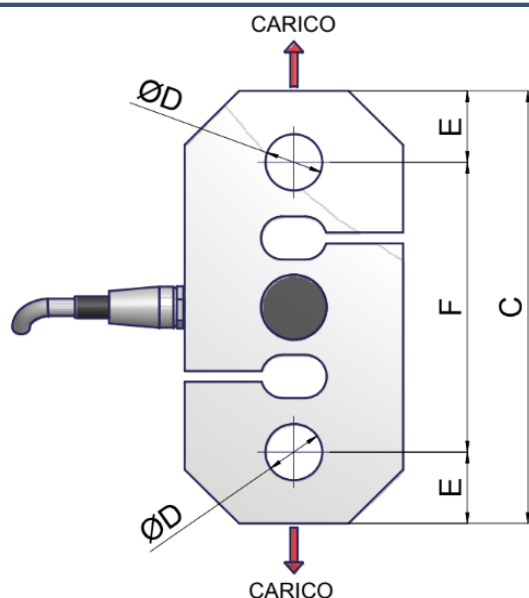


- 1 Capacities from 5000 kg to 20000 kg
- 2 Steel construction
- 3 Protection IP65 (EN 60529)
- 4 High accuracy
- 5 On request ATEX and IECEx version

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	A	B	C	D	E	F	Std	OIML	ATEX
5000 kg	100	36	200	26	33	134	✓		✓
7500 kg	100	41	200	29	35	130	✓		✓
10000 kg	100	50	220	36	42	136	✓		✓
15000 kg	130	58	250	42	47	156	✓		✓
20000 kg	130	70	250	52	47	156	✓		✓

ST

Tension load cell

4. Product features

Accuracy class	Standard
Capacities fs (Emax)	5000÷20000 kg
Rated output (Cn)	2 mV/V $\pm$ 0,1%
Nominal excitation range	10V
Maximum excitation	15V
Zero balance output	$\pm$ 0,02 mV/V
Input resistance	400 $\pm$ 20 Ω
Output resistance	350 $\pm$ 2 Ω
Insulation resistance	> 5 G Ω
Combined error	< $\pm$ 0,030% fs
Non repeatability	< $\pm$ 0,015% fs
Creep 30 min.	< $\pm$ 0,030% fs
Temperature effect on zero balance (5°C)	< $\pm$ 0,02% fs
Temperature effect on rated output (5°C)	< $\pm$ 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	Steel
Weight	~ 5 ÷ 14,5 kg
Cable lenght	5m - 6 x 0,35 mm ²

5. Wire diagram

