



## N FUN Wire Rope Measuring Loadcell

### Description

- Capacity from 2000 kg to 40000 kg
- Special steel
- Load limiting accuracy  $\pm 2\%$  on full scale
- Protection class ip67
- Suitable as load limiter for lifting equipment
- Rapid mounting (also on extant lifting systems)



Manufactured according to OIML R60 standards

### Technical data

WIRE ROPE TENSION	kg	IECEx Ex	EAC	DIAMETER ROPE	NET WEIGHT OF LOAD CELL (kg)	CODE
up to	2000	•	•	$\emptyset 6 \div \emptyset 14$	2.4	FUN614T1T
up to	4000	•	•	$\emptyset 10 \div \emptyset 18$	2.4	FUN10182T1T
up to	10000	•	•	$\emptyset 16 \div \emptyset 26$	2.4	FUN16265T2T
up to	20000	•	•	$\emptyset 24 \div \emptyset 36$	7.5	FUN243610T3T
up to	40000	•	•	$\emptyset 24 \div \emptyset 36$	7.5	FUN243620T5T

ON REQUEST

On request: customized load cells according to the relation between tension and rope diameter.

### Certifications

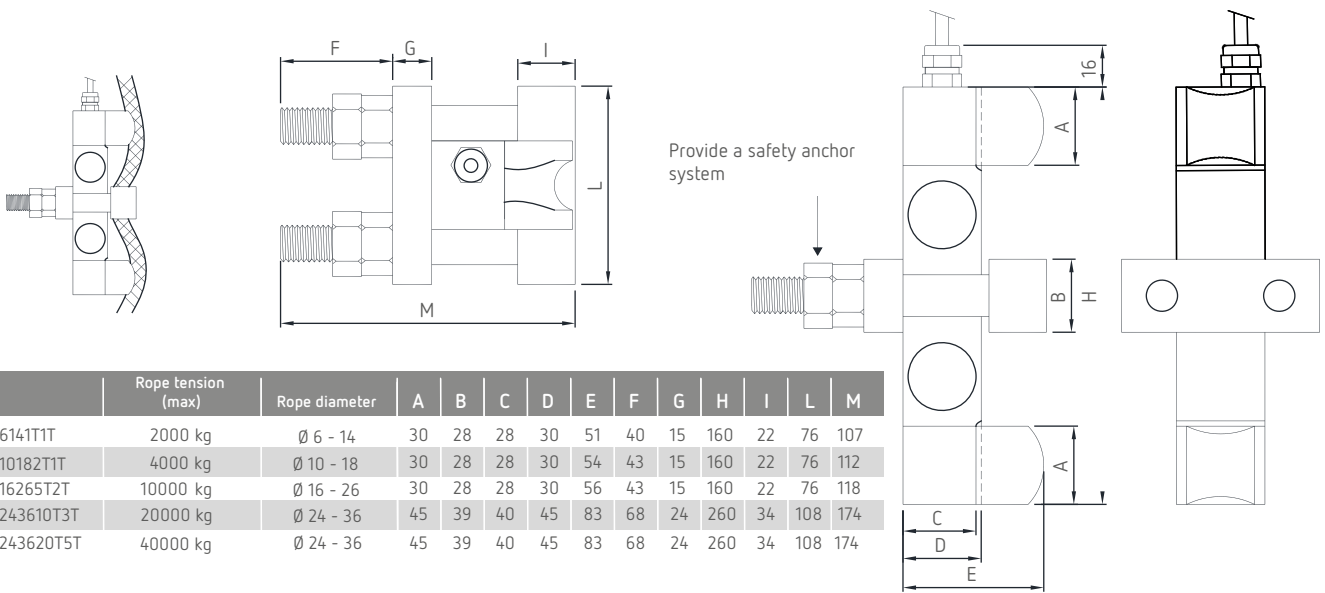
CERTIFICATIONS ON REQUEST

ATEX II 1GD (zone 0-1-2-20-21-22)

IECEx (zone 0-1-2-20-21-22)

Complies with the Eurasian Custom Union regulations (Russia, Belarus, Kazakhstan)

**DIMENSIONS (mm)**



**Technical features**

Material	AISI 420 stainless steel		
Nominal load (E max)	2000 - 4000 - 10000 - 20000 - 40000 kg		
Load limiting accuracy on full scale	±2%		
Protection class	IP67		
Rated output	3 mV/V ±0.1%	Input resistance	450/750/1050 Ω ±50
Temperature effect on zero	0.005% °C	Output resistance	350/700/1000 Ω ±20
Temperature effect on span	0.005% °C	Zero balance	±2%
Compensated temperature range	-10 °C / +50 °C	Insulation resistance	>5000 MΩ
Operating temperature range	-30 °C / +70 °C	Safe overload (% of full scale)	150%
Creep at nominal load in 30 minutes	0.03%	Ultimate overload (% of full scale)	200%
Max supply voltage without damage	15 V	Deflection at nominal load	0.5 mm

**Electrical connections**

Cable length	6 m
Cable diameter	5 mm
Cores	4/6 x 0.14 mm <sup>2</sup>

