



N FUN Wire Rope Measuring Loadcell

Description

- Capacity from 2000 kg to 40000 kg
- Special steel
- switching accuracy $\pm 2\%$ on full scale
- protection class ip67
- suitable as load limiter for lifting equipment
- RAPID MOUNTING (also on extant lifting systems)



Technical data

Manufactured according to OIML R60 standards

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	FUN6141T1T
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)

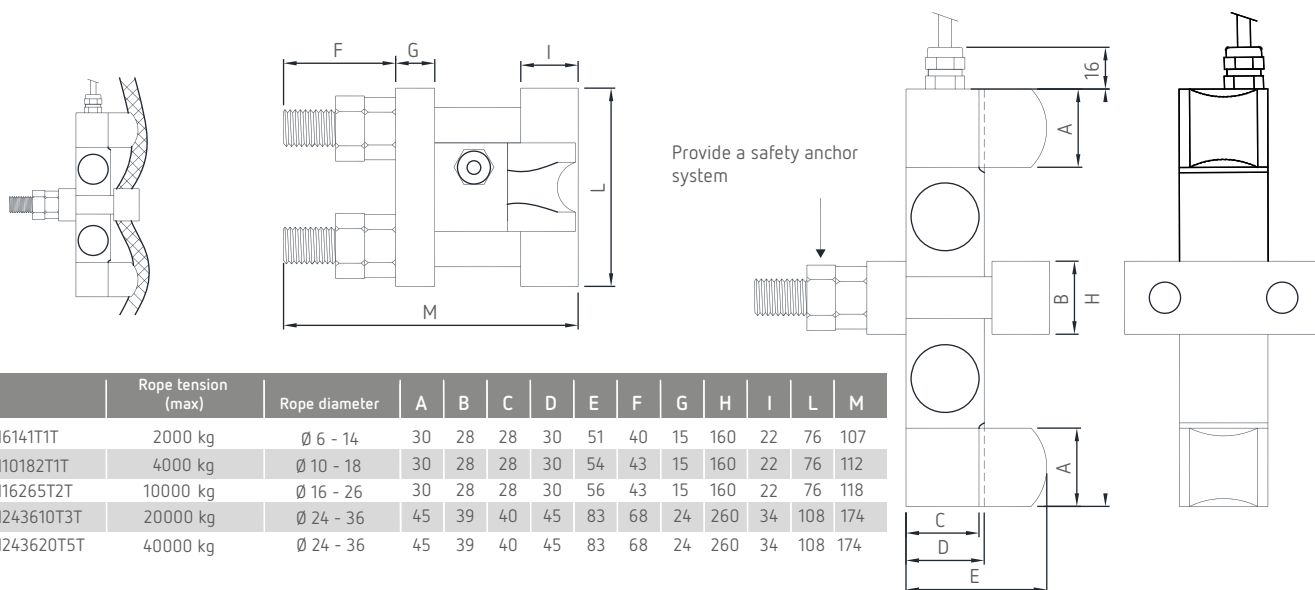


IECEx (zone 0-1-2-20-21-22)



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		
Switching 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 ²

