

## NEW GENERATION TENSOREX C+3D

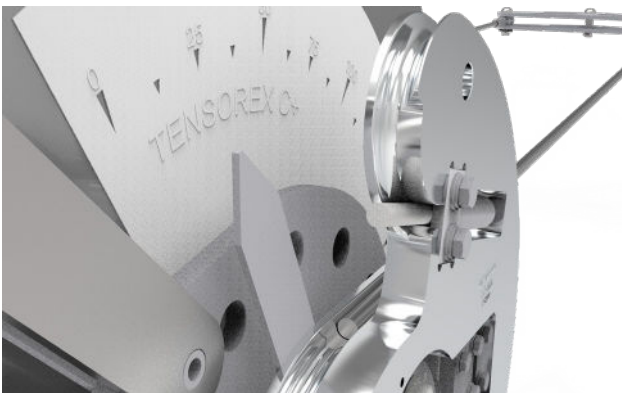
PATENTED SPRING  
TENSIONING SYSTEM



# INCREASED COMPENSATION CAPACITY

# RAIL WAY

## About Tensorex C+ 3D

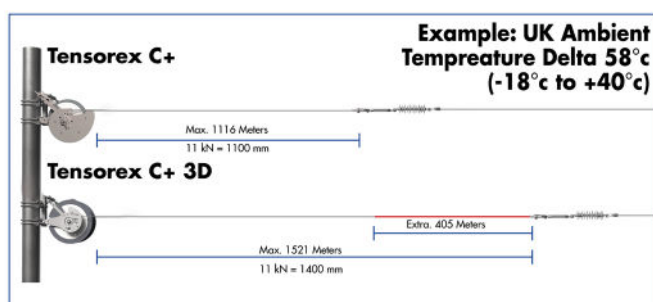


## Benefits of a Spring Tensioning Device

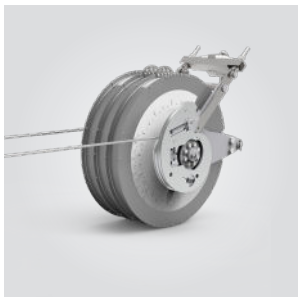
Tensorex C+ 3D is a tensioning device designed to allow for an increased compensation capability in comparison to the standard Tensorex C+ range. The Tensorex C+ 3D range is capable of upto 40% additional compensation length in comparison to the existing range of Tensorex C+ devices, depending on the tension force required. For example, based on a 20kN device the maximum tension length distance would increase from 1078m to 1471m, using a temperature delta of 60°C.

- More compact and lighter than an alternative tensioning systems
- High precision of response
- High level of safety
- Lower Installation costs.
- Fast and simple installation
- Purely mechanical device - requires no additional power supply
- Upto 40% additional compensation length (dependant on line tension)

Example: Based on UKMS design ambient temperature range 58°C it will be possible to compensate up to 1500 m tension length to anchor point, or for a greatly increased operating temperature range based on the existing tension length distances.



## Maintenance - Free and Cost Effective



Once in service, the Tensorex C+ system requires very little maintenance. Complicated and expensive repairs and or storage of many spare parts are now a thing of the past.

In the event of a wire failure, the unit will be fully reuseable.

The device is easily readable from trackside, with visual checks possible during regular scheduled OLE system maintenance.

**The new Tensorex C+ 3D range will consist of four product groups.**

Product Group	Compensation value [mm]*	Range of pull value [Kg]	Weight [Kg]	L [mm]
TRC+ 3D 2	1200 to 1300	1000	200	270
TRC+ 3D 3	1200 to 1490	1100 to 1500	250	340
TRC+ 3D 4	1165 to 1345	2000 to 2250	300	410
TRC+ 3D 5	1100 to 1480	2250 to 3000	360	482

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