

## DESOI tendo – Low tension force regulators

Devices for the controlled regulation of tensile forces



## DESOI tendo

### General information – for application in wire plaster vaults and ceilings

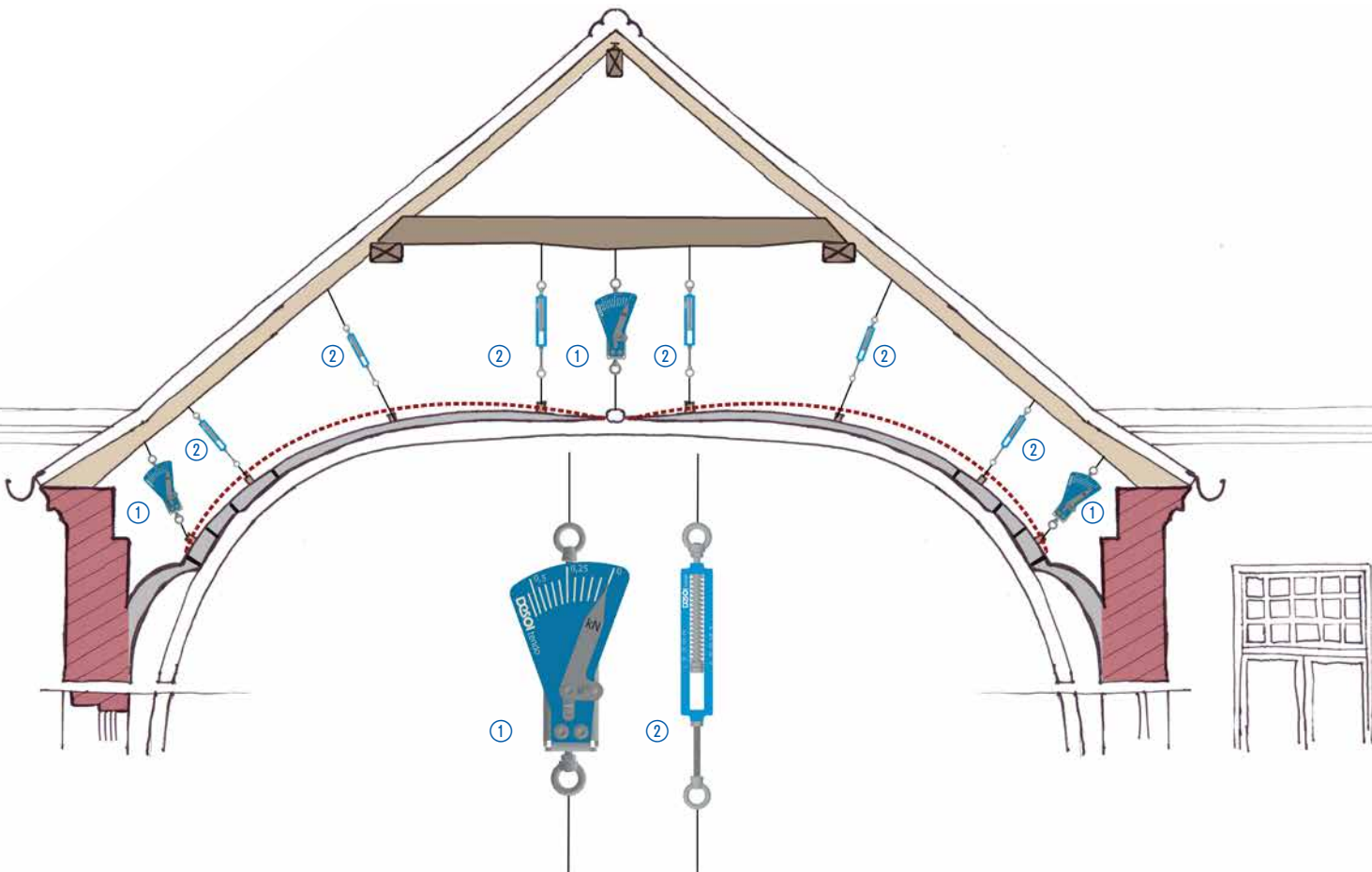
The DESOI tendo low tension force regulator is a device for the controlled adjustment and regulation of suspension loads in wire plaster vaults.

A frequently occurring problem is an uneven load distribution on the hangers of the vault.

For various reasons, some hangers come loose, causing their loads to be transferred to other hangers. This can lead to an increased load concentration on individual hangers and therefore to damage to the vault.

The reasons for these load redistributions are dynamic and physical stresses, such as road traffic or moisture and temperature expansion. In addition, strong load redistributions can already occur during the construction of the vault.

To avoid this, the installation of DESOI tendo small tension force regulators is a possible solution. The low tension force regulator ensure a load transfer that is adapted to the supporting structure and can therefore reduce the load redistributions.



The various low tension force regulators were specially developed for load regulation of components in a certain expansion range (up to 500 N), e.g. for use on suspensions of wire plaster vaults and ceilings.

The load in this strain range is smoothly adjustable and can be kept at an almost constant level.

The low tension force regulators are available in different types and can be customised to the case of application and the object-specific conditions. They are available with and without an additional turnbuckle and with a simple scale display to read off the tension force.

As all parts are made of stainless steel, a long service life is ensured.

Suitability tests for object-specific adjustments are necessary.

#### Advantages of the DESOI tendo low tension force regulator

- Suitable for different types of constructions
- Easy to read the tension due to the analogue scale
- Small and compact size
- Environmentally friendly, because no electricity is required for its function or the scale
- Also suitable for belated interior installations

① DESOI tendo M-500-DFN



② DESOI tendo S-200-DFN



Technical specifications

	DESOI tendo M-500-DFN	DESOI tendo S-200-DFN
Maximum load	500 N	200 N
Length	210 mm	260 mm
Width	55 mm	15 mm
Height	95 mm	30 mm
Weight	approx. 0.7 kg	approx. 0.3 kg
Material	Stainless steel	Stainless steel
Connection	eyelet on both sides $\varnothing$ 15 mm	eyelet on both sides $\varnothing$ 15 mm
Order no.	500-10-086	500-09-151

All types are available with and without tensioning device



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