

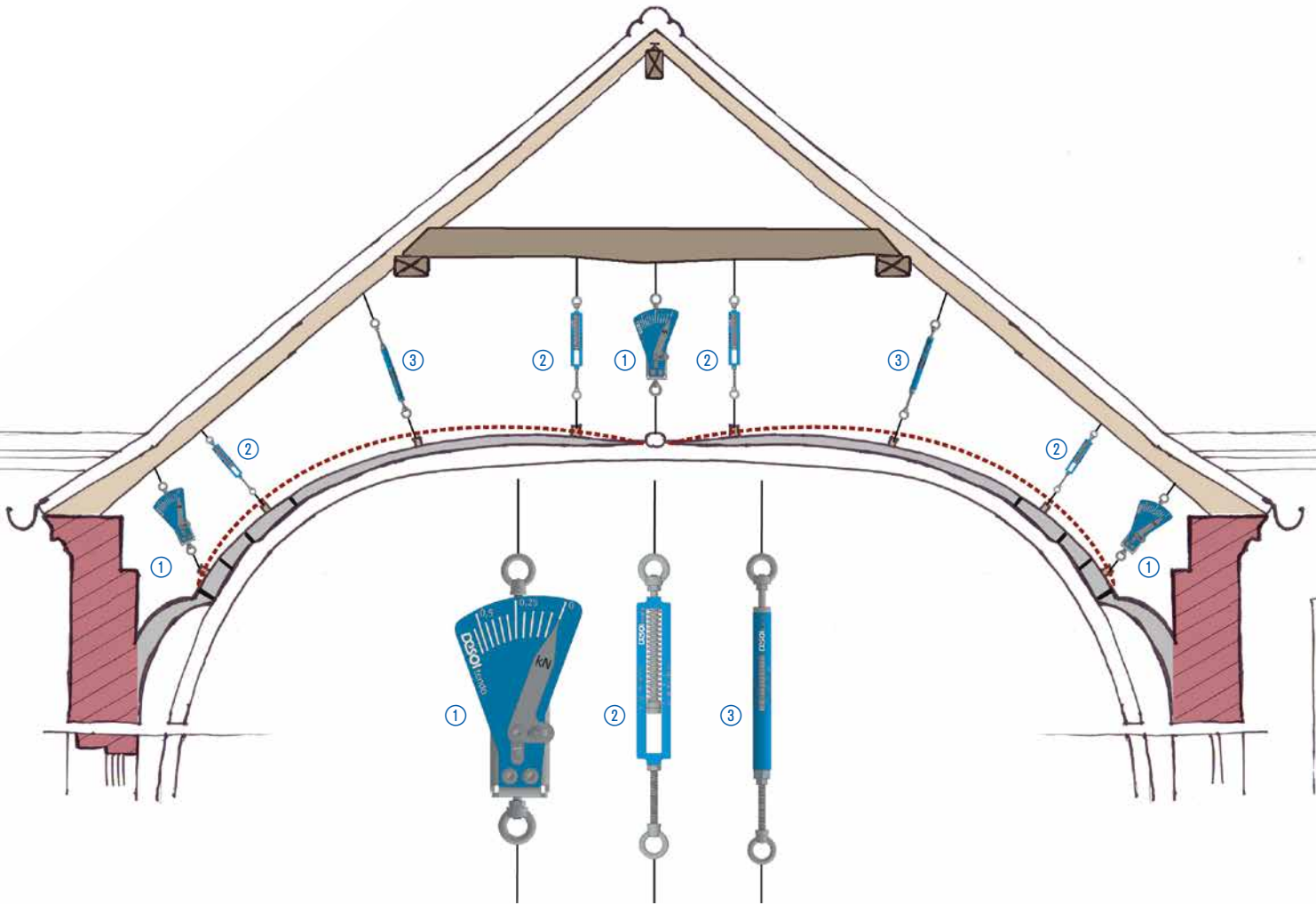
DESOI tendo

Low tension force regulators - devices for holding tensile loads at a constant level



DESOI tendo

General information – for application in wire plaster vaults and ceilings



Description

Wire plaster vaults attached to hangers have often already undergone such major changes in shape during manufacture that many hangers become detached and the loads are transferred from the ceiling to other hangers. Instead of an almost uniform load transfer over a wide area, there is a shift of, and thus an increase in load on individual hangers. This can lead to stresses that result in damage.

These stresses can be exacerbated by instances of further load redistribution, which can result from dynamic processes, for example, from earthquakes, road traffic or how a building is used.

Other stresses can be caused by processes related to building physics

(such as sound impact, condensation, along with moisture and temperature-induced expansion).

The **DESOI tendo** low tension force regulator is a device that enables a load to be constantly held and with the capacity to make a possible readjustment within a certain expansion range. Even with low dynamic loads (for example, due to minor earthquakes, ringing bells, changes in temperature and humidity, along with small changes in the shape of the main supporting structure due to wind loads), the load can be kept at an almost constant level within certain load and tensile strength limits.

The various compact, low tension force regulators have been specially developed for the constant holding and clamping of components within a specific tensile range, for example, for use in wire plaster vaults and ceilings, up to 500 N.

They are infinitely adjustable in accordance with different types of construction (see image) and so can be adapted to the respective application. They are available with and without an additional turnbuckle and with a simple scale display in order to read the tension force for the individual application.

The holding force is infinitely adjustable within a tensile range in order to maintain the set load at a constant level (fig. above). All parts are made of stainless steel, ensuring a long service life.

The low tension force regulator is available in different designs within the scope of a structural design and can be individually adapted to the conditions specific to the property.

Advantages of the DESOI tendo low tension force regulator

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

① DESOL tendo M-500-DFN



② DESOL tendo S-200-DFN



③ DESOL tendo S-150-DFN



Technical specifications

	DESOL tendo M-500-DFN	DESOL tendo S-200-DFN	DESOL tendo S-150-DFN
Holding force	500 N	200 N	150 N
Length	210 mm	260 mm	270 mm
Width	55 mm	15 mm	20 mm
Height	95 mm	30 mm	25 mm
Weight	0.7 kg	approx. 0.3 kg	approx. 0.2 kg
Material	Stainless steel	Stainless steel	Stainless steel
Connection	eyelet on both sides Ø 15 mm	eyelet on both sides Ø 15 mm	eyelet on both sides Ø 15 mm
Order no.	500-10-086	500-09-151	500-09-162



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