

# TENSIOMETER

\*\* code 286B\_CFG58-71 \*\*

## 7 Tension ranges from 1 - 5 cN to 10 - 100 cN

Economical mechanical tension meter for checking fibers, threads and fine wires with low tensions up to max. 100 cN. Most popular tension meter in the textile industry with analog display for low tensions

Slim filament guide with small guide rollers for limited access space

### Special Features

- The analog display shows changing and fluctuating tensions fast and enables an optimal process adjustment.
- Filament guide and roller shifting mechanism ensure easy acquisition of the running material.
- Large, easy to read scale (54 mm Ø).
- Light weight.

### Standard Features

- Everything in operator's view:
  - the guide rollers.
  - the measured material.
  - the readings.
- Ball-bearing mounted, V-grooved guide rollers.
- Each instrument is individually calibrated for highest accuracy.
- Housing made of high-strength plastic.
- Certificate of Compliance with the order 2.1, according EN 10204, included.
- Optionally available: Calibration report, code 286.CC1.
- Optionally available: Inspection Certificate 3.1, according EN 10204, with calibration report, code 286.CC2.



MESDAN Code	Model	Tension Ranges (cN)	Measuring Head Width* (mm)	Calibration Material**
<b>286F</b>	ZF2-5	1 - 5	43	Filament: 25 tex
<b>286C</b>	ZF2-10	1 - 10	43	Filament: 25 tex
<b>2865</b>	ZF2-12	1 - 12	43	Filament: 25 tex
<b>286B</b>	ZF2-20	2 - 20	43	Filament: 25 tex
<b>286G</b>	ZF2-30	3 - 30	43	PA: 0.12 mm Ø
<b>2868</b>	ZF2-50	5 - 50	43	PA: 0.12 mm Ø
<b>2871</b>	ZF2-100	10 - 100	43	PA: 0.12 mm Ø

\*Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding.  
\*Le immagini e le descrizioni del presente catalogo sono da ritenersi puramente indicative e non vincolanti.

# TENSIOMETER

**\*\* code 286B\_CFG58-71 \*\***

Other tension ranges available on request.

Other units of measure available, such as g.








\* Width of filament guide

\*\* Suitable for 95 % of applications - PA = Polyamide Monofilament

## Calibration to customized material

If process material differs significantly from the calibration material in diameter, rigidity or shape, special calibration using customer supplied samples is recommended. For this purpose a material sample of about 5 m should be supplied.

## Scales

			
<b>286F</b>	<b>286C</b>	<b>2865</b>	<b>286B</b>
			
<b>286G</b>	<b>2868</b>	<b>2871</b>	

Scales are manufactured according to the most stringent quality requirements. Printed scales are not used. Instead, each scale is individually marked for the instrument involved. This ensures highest quality. Our special procedure makes it possible to provide tension meters

- calibrated to custom supplied material.
- fine tuned to a specific tension range.
- other units of measure such as gram.

Guide rollers code	Line speed	Roller material
	V max m/min	
Standard	900	Hardcoated aluminium ( <i>R10010</i> )
Code K	2000	Hardcoated aluminium
Code T	450	Plastic (POM) black

\*Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding.  
\*Le immagini e le descrizioni del presente catalogo sono da ritenersi puramente indicative e non vincolanti.

# TENSIOMETER

**\*\* code 286B\_CFG58-71 \*\***

Code W	450	Nickel-plated steel
--------	-----	---------------------



**Inspection Certificate 3.1**, according EN 10204, with calibration report, code 286.CC2.

Calibration report, code 286.CC1



## Delivery includes

Tension meter with carrying case, operating instruction in German or English (as requested), Certificate of Compliance with the order 2.1 according DIN EN 10204 free of charge.

## Specification

<b>Calibration:</b>	According to factory procedure
<b>Accuracy:</b>	$\pm 1$ % full scale or $\pm 1$ graduation on scale
<b>Scale diameter:</b>	54 mm
<b>Temperature range:</b>	10 - 45 °C
<b>Air humidity:</b>	85 % RH, max.
<b>Housing material:</b>	Plastic (POM)
<b>Housing dimensions (L x W x H):</b>	157 x 85 x 32 mm
<b>Weight, net (gross):</b>	Approx. 200 g (600 g)
<p>*Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding. *Le immagini e le descrizioni del presente catalogo sono da ritenersi puramente indicative e non vincolanti. Specifications subject to change without notice!</p>	

\*Photographs and descriptions of the present leaflet have to be considered as purely indicative and not binding.  
\*Le immagini e le descrizioni del presente catalogo sono da ritenersi puramente indicative e non vincolanti.