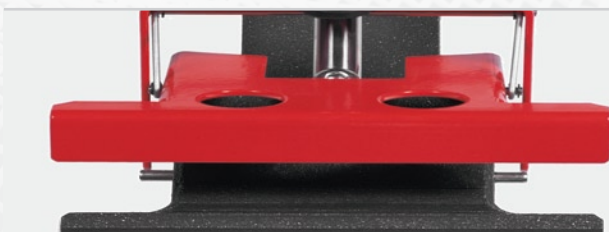


swiss
mesh
technology



Printing Solutions
Equipment

S E F A R
■ ■ ■ ■



SEFAR® **Tensiocheck 100**

Digital tension measuring instrument

SEFAR® Tensocheck 100

Electronic tension measuring instrument

SEFAR® Tensocheck100 is a mesh tension measuring instrument that operates electronically. This digital measurement instrument offers interesting and useful features, coupled with an excellent price-performance ratio.

SEFAR® Tensocheck Characteristics

- **Digital display** – The digits of the measured values are 10 mm in size and appear on a clear, digital display that is highly legible even at a distance.
- **Measurement precision** – Measurements above 30 N/cm are displayed with 0.5 N/cm resolution. A finer resolution (0.2 N/cm) is used below this figure. SEFAR® Tensocheck 100 enhances the reproducibility of the screen tension.
- **Wide display range** – SEFAR® Tensocheck100 covers the range of 4 to 60 N/cm, making it a universal measurement tool.
- **Selectable measurement units** – Select between N/cm and millimeters at the touch of a button. The unit is usable anywhere in the world.
- **Automatic shut-off** – After three minutes without measurement activity, the device shuts itself off to conserve battery life.
- **Zero adjustment** – The instrument ships with a zerosetting plate for quick confirmation, or adjustment simply by pressing a button. This makes for reproducible results, plus you can perform the zero adjustment easily yourself at any time.
- **Operation** – SEFAR® Tensocheck 100 can be used and operated without any special expertise.

Specifications

In General

Dimensions	80 x 95 x 115 mm
Weight (including battery)	1,01 kg (with Batterie)
Battery	9V (6LR61)
Display range	4–60 N/cm

Resolution

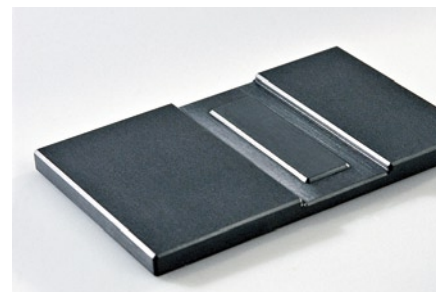
For the range < 30 N/cm	0,2 N/cm
For the range > 30 N/cm	0,5 N/cm

Tolerance

Measurement range 10–19,8 N/cm	±0,4 N/cm
Measurement range 20–29,8 N/cm	±0,6 N/cm
Measurement range 30–39,5 N/cm	±1,0 N/cm
Measurement range 40–50,0 N/cm	±1,5 N/cm



SEFAR® Tensocheck 100



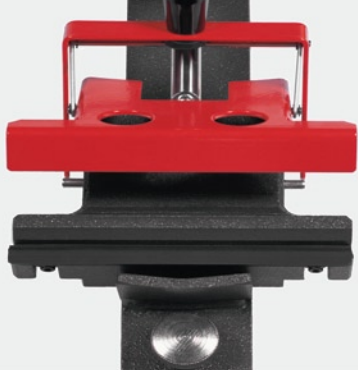
Optional calibration plate

Regular checks on the measurement accuracy of SEFAR® Tensocheck 100 are one guarantee for maximum process reliability. With the calibration plate, you can monitor the instrument's consistency yourself, on site, as often as you wish.

You benefit because:

SEFAR® Tensocheck 100 only needs sending in to the Sefar technical centre for re-adjustment if it is found to be out of tolerance. That saves you time and expense, while ensuring virtually permanent availability of the measuring instrument for production.

ISO 9001 quality systems require periodic certification of the calibration plate by an accredited measurement institution. These exist in every country; your Sefar distributor or a Sefar technical centre will be pleased to advise.



SEFAR® 2

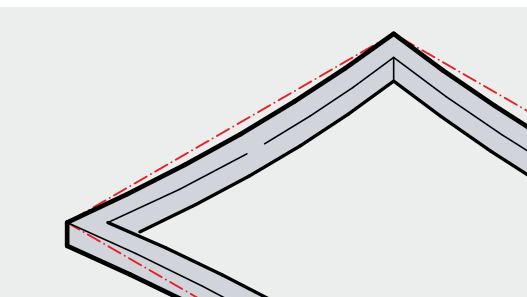
SEFAR® 2

A heavyweight stretching system
at a lightweight price

SEFAR® 2 – easy to use, lightweight yet robust stretching system for stretching synthetic mesh onto all sizes of frame.

SEFAR® 2 advantages

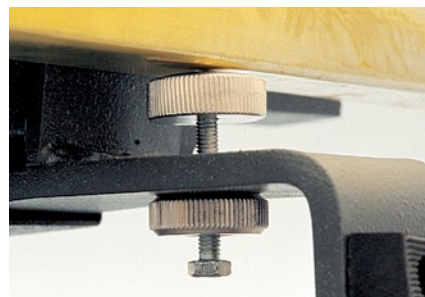
- Modular construction, rapidly adaptable to different frame sizes
- Safe stretching with progressive clamping force preventing the mesh slipping out
- Sophisticated mechanics and ergonomic design
- Offers pre-tension of frames
- Available in long-stroke versions for frame sizes exceeding three meters
- Optional control units are available
- Can be used in one or two circuits stretching systems



Pre-tension of frames



Clamp jaws



Screw-adjustable frame rest

Technical data | Assortment

Maximum frame size	Progressive jaw clamping force*	Two circuit system	Suitable for metal mesh	Suitable for polymer mesh	Pre-tension of frames	Max. tension of mesh [N/cm]
No size limitation	✓	✓		✓	✓	40 [N/cm]

*Prevent the mesh slipping out of the clamps



Stretching clamp	SEFAR® 2/150	SEFAR® 2/250	SEFAR® 2 L/150	SEFAR® 2 L/250
Clamp jaw width	150 mm	250 mm	150 mm	250 mm
Stroke	70 mm	70 mm	140 mm	140 mm
Overall length	475 mm	475 mm	615 mm	615 mm
Height (locked)	175 mm	175 mm	175 mm	175 mm
Weight	5.2 kg	5.7 kg	6.3 kg	7.2 kg
Required air pressure	6–8 bar	6–8 bar	6–8 bar	6–8 bar

Possible combinations of control units and stretching clamp

	SEFAR® 20	SEFAR® 30	SEFAR® Max66i	SEFAR® 51
SEFAR® 2	✓	✓	✓	✓

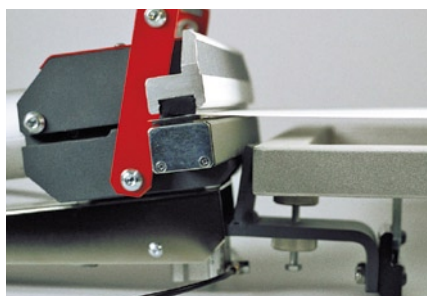
SEFAR® 3A

The uplifting different stretching system

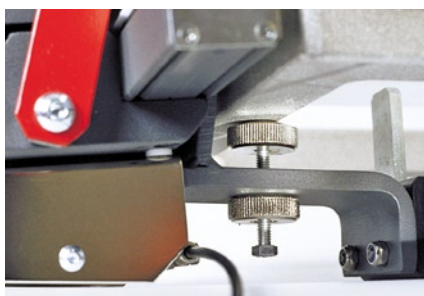
SEFAR® 3A stretching clamp can indeed rise to the task in hand, being the only one in its class to include a lifting action. These stretching clamps can be used for a wide range of applications, from synthetic to metal and from coarse to fine mesh.

SEFAR® 3A advantages

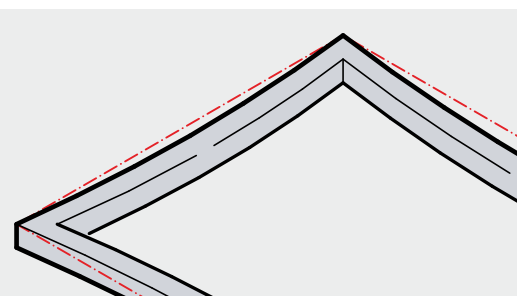
- Modular construction, rapidly adaptable to different frame sizes
- Safe stretching with progressive clamping force preventing the mesh slipping out
- Sophisticated mechanics and ergonomic design
- Offers pre-tension of frames
- Available in long-stroke versions for frame sizes exceeding approximately two meters (depending on tension value and mesh count)
- Optional control units are available
- Can be used in one or two circuits stretching systems
- The fabric is lifted up off the frame while stretching avoiding damaging the mesh



Mesh is lifted during stretching



Screw-adjustable frame rest



Pre-tension of frames

Technical data | Assortment

Maximum frame size	Progressive jaw clamping force*	Two circuit system	Suitable for metal mesh	Suitable for polymer mesh	Pre-tension of frames	Max. tension of mesh [N/cm]
No size limitation	✓	✓		✓	✓	40/45 [N/cm]

*Prevent the mesh slipping out of the clamps

Stretching clamp	SEFAR® 3A/150	SEFAR® 3A/250	SEFAR® 3A L/150	SEFAR® 3A L/250
Clamp jaw width	150 mm	250 mm	150 mm	250 mm
Stroke	75 mm	75 mm	145 mm	145 mm
Overall length	465 mm	465 mm	615 mm	615 mm
Height (locked)	225 mm	225 mm	225 mm	225 mm
Weight	7.2 kg	8.0 kg	8.4 kg	9.6 kg
Required air pressure	6–8 bar	6–8 bar	6–8 bar	6–8 bar

Possible combinations of control units and stretching clamp

	SEFAR® 20	SEFAR® 30	SEFAR® Max66i	SEFAR® 51
SEFAR® 3A		✓	✓	✓



SEFAR® 3A



Sefar's pneumatic stretching systems – easy to use, high flexibility

Control units



SEFAR® 20 – The simplest system

- Pressure from 1 to 10 [Bar]
- Includes particles and humidity filter
- Two circuits system (two regulators are required)

Generally technical data

Dimensions	240 x 135 x 135 mm
Weight	1.2 kg



SEFAR® 30 – The simple lift system

- Up/down lift functions
- Pressure from 1 to 10 [Bar]
- Includes particles and humidity filter
- Two circuits system (two regulators are required)

Generally technical data

Dimensions	280 x 135 x 185 mm
Weight	1.8 kg



SEFAR® Max66i – Universal, ergonomic and compact

- Up/down lift functions
- Pressure from 1 to 10 [Bar]
- Includes particles and humidity filter
- Two circuits system (two regulators are integrated)
- Two step stretching procedure

Generally technical data

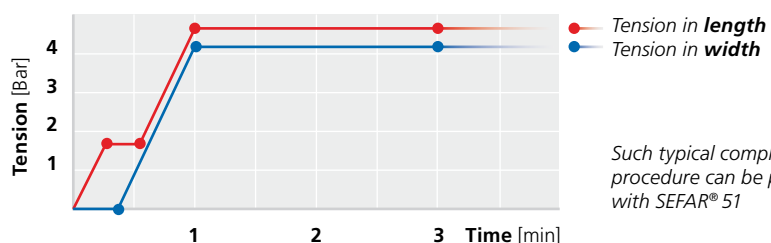
Dimensions	350 x 180 x 330 mm
Weight	6.7 kg

SEFAR® 51 – The high-end electronic and programmable two circuits system

- Up to 50 complex stretching procedures can be programmed
- Provides high quality stretching
- Increase of productivity
- Pressure from 1 to 9 [Bar]
- Automatic up/down lift functions and locking and opening of clamps

Generally technical data

Dimensions	530 x 520 x 300 mm
Weight	12.4 kg



Such typical complex stretching procedure can be programmed with SEFAR® 51

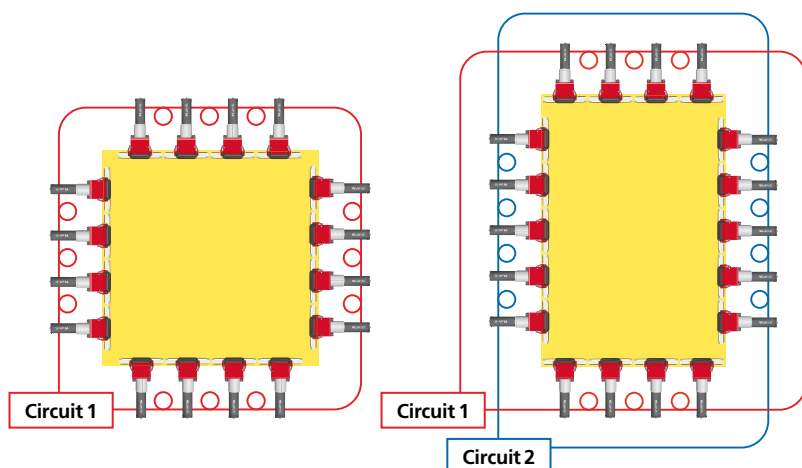
Technical data

Possible combinations of control units and stretching clamps

	SEFAR® 20	SEFAR® 30	SEFAR® Max66i	SEFAR® 51
SEFAR® 2	✓	✓	✓	✓
SEFAR® 3A		✓	✓	✓

One and two circuits system

There are two ways to arrange the air supply for pneumatic stretching machines: the one-circuit system, and the two-circuit system. They provide complementary alternatives for optimum, even tensioning of the mesh over any frame size.

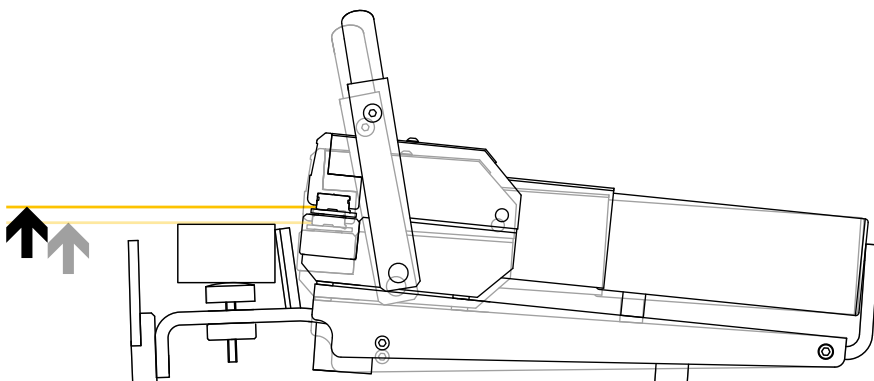


The one-circuit system is used for frames side lengths up to approx. 150 cm

The two-circuit system is used when the side length exceeds 150 cm

Lift function for perfect stretching

The fabric is lifted up off the frame while it is being stretched. This avoids undesirable friction between the fabric and the frame edge, and ensures uniform stretching.



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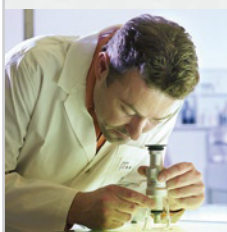
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Current data available on www.sefar.com



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