



SEFAR® 2

A heavyweight stretching system  
at a lightweight price

S E F A R  
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## SEFAR® 2 – a heavyweight stretching system at a lightweight price

SEFAR® 2 is a newcomer to the popular range of Sefar stretching systems – extremely easy to use, lightweight, yet robust.

SEFAR® 2 stretching clamps, combined with the SEFAR® 20 pneumatic control-unit, form a compact system for stretching synthetic mesh onto all sizes of frame.

Like all Sefar stretching systems, SEFAR® 2 features modular construction and is rapidly adaptable to different frame sizes. Clamps are available in 150 mm and 250 mm jaw-widths. Special long-stroke clamps for over-size -frames are supplied in the same widths. Long-stroke and regular clamps can work in tandem. The control-unit is easily operable with only a minimum of training.

The SEFAR® 2 stretching system offers a very good price/performance.

### SEFAR® 2 plus-points

- High flexibility  
*This compact system accommodates any frame size.*
- Stretched frames of consistently good quality  
*A lot of practical experience and engineering know-how has gone into the system.*
- High productivity  
*Re-tooling is a rapid procedure.*
- Safe stretching  
*Mesh cannot slip out of the clamp jaws, even at high tensions.*
- Long service life  
*The equipment is robustly engineered.*
- Convenient operation, virtually no force required  
*Clamps open and lock practically by themselves.*
- Easy maintenance  
*Components are effortlessly exchangeable: quick, simple, no service engineer required.*
- Modest financial investment  
*...the price is easy on the pocket.*



### The SEFAR® 2 range

- SEFAR® 2/150 stretching clamp
- SEFAR® 2/250 stretching clamp
- long-stroke stretching clamp SEFAR® 2L/150
- long-stroke stretching clamp SEFAR® 2L/250
- SEFAR® 20 control-unit

### SEFAR® 20 – a simple pneumatic control-unit

The pneumatic control-unit is very easy to operate, while offering a variety of practical, flexible options. A pair of SEFAR® 20 control-units may be combined for a dual-circuit system.

### Safe stretching with progressive clamping force

SEFAR®2 stretching clamps are designed so that the jaws grip tighter as mesh tension increases, preventing the mesh from slipping out. All synthetic meshes can be stretched to high tensions.



Clamp jaws

### Sophisticated mechanics and ergonomic design

Clamps open and lock with virtually no use of force.

### Rapid re-tooling

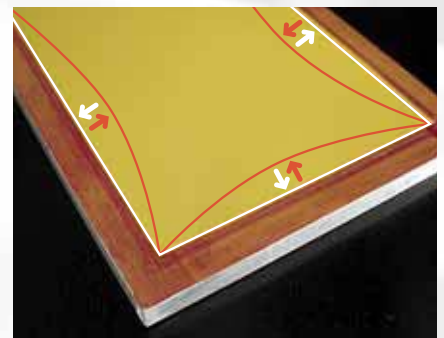
Plug-in connectors make exchanging clamps and control-units a rapid and simple task.



Plug-in connector

### Dimensional stability because the frame does not yield any further than it should

The clamps support themselves against the frame during the stretching process, providing just the right amount of pre-tension for the required tension value. This helps to retain a steady tension after the mesh has been glued to the frame and the surplus cut away.



Pre-tensioning the frame

### Lightweight, adaptable, robust

Light weight, ergonomic design and screw-adjustable frame rests mean that clamps can be adapted in next to no time.

A choice of 150 mm and 250 mm jaw widths facilitates an optimal clamp arrangement for all frame sizes.



Screw-adjustable frame rest

### Long stroke for large frames

Long-stroke clamps provide the technical means for stretching oversized frames exceeding approx 3 m.

### Technical data

Stretching clamp	SEFAR® 2/150	SEFAR® 2/250	SEFAR® 2L/150	SEFAR® 2L/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 (net)	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
Max. achievable tension value	40 N/cm	40 N/cm	40 N/cm	40 N/cm

### SEFAR® 20 control-unit

Dimensions	240 × 135 × 135 mm
Weight	1.2 kg

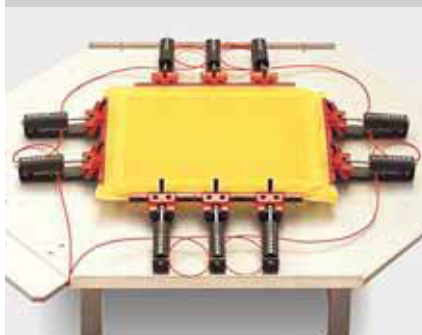
### Single or dual circuit systems

Depending on the frame size and proportions, either a single or dual circuit system may be appropriate:

#### Single circuit system:

For frame side-lengths up to approx. 150 cm.

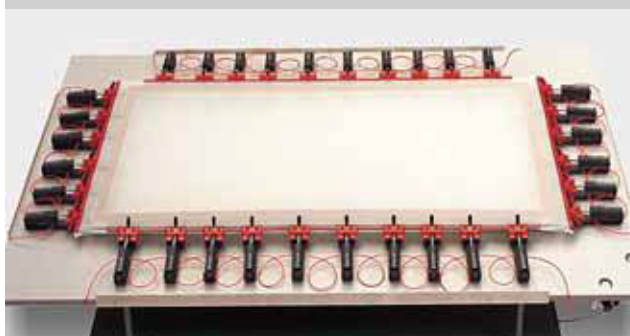
All the stretching clamps operate in tandem via one pneumatic circuit, to simultaneously stretch the mesh in all directions.



#### Dual circuit system:

For frame side-lengths exceeding approx. 150 cm.

First, the mesh is pre-stretched along its length axis. Then it is uniformly stretched to its final tension in all axes, using independent pneumatic circuits. Dual circuit stretching requires 2 SEFAR® 20 control-units.



**Be Safe. Be Sefar.**

1161 E 2000/5.2002 (2000/10.2003)

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