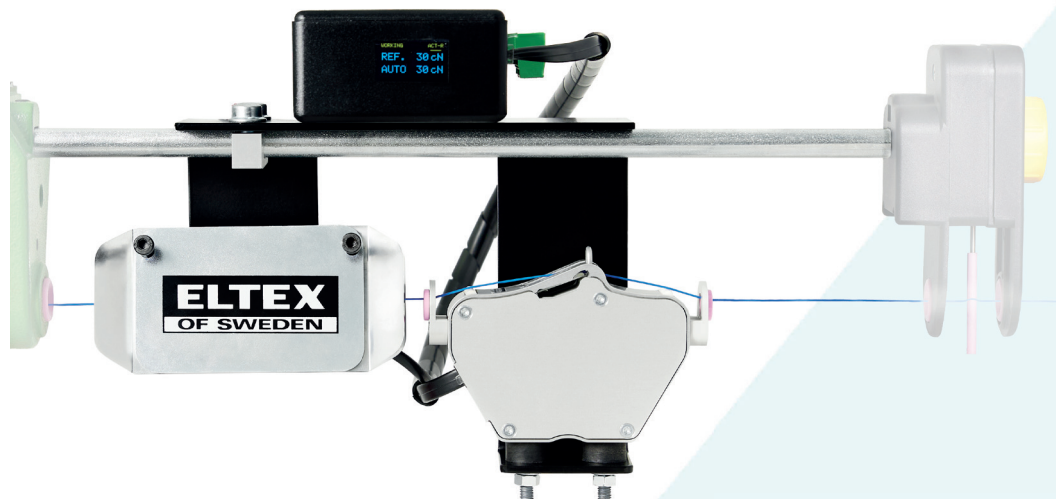


ACT-R

Automatic Control of Tension for RAPIER WEAVING machines

INFO LEAFLET



■ General description

The **ELTEX ACT-R** (Automatic Control of Tension for Rapier machines) is a stand-alone device designed to regulate the weft yarn tension to a constant and required value on a Rapier weaving machine.

It is designed to be fitted after the prewinder, and it can be used on any type of Rapier machine.

The **ELTEX ACT-R** will help to weave all kind of fabrics where constant weft yarn tension is essential. Most significant applications are technical fabrics and fabrics with recycled weft yarns. Plug & Play system. No communication must be established with the weaving machine.

An ACT-R system is composed of:



ELTEX tension monitor ETM Solo.



Central unit with buttons for settings and a display to show set tension value and actual yarn tension value.



Electromagnetic brake



■ Features

- The ACT-R automatically controls the yarn tension to the desired value. The desired tension is entered on the central unit.
- Monitors the yarn tension continuously. The reference and actual tensions are displayed on the screen.
- Possibility to make zero-set of the ETM Solo sensor.
- Possibility to set the yarn brake in automatic or manual mode.

■ Technical specifications

- Power supply: +24V DC
- Power consumption: Maximum 160 mA
- Working range: according to the ETM Solo sensor type: 1 000 cN
- Electromagnetic brake: Maximum brake force at 24V DC.

■ Advantages

- Plug & Play system. Each unit works independently. No communication must be established with the weaving machine.
- The ACT-R system can be used with any type of yarns. It is especially useful for technical fabrics.
- The ACT-R system compensates for any differences in yarn tension that originates from irregularities in the yarn bobbin.
- The weft yarn tension is kept equal regardless of full, medium or nearly empty yarn bobbin.
- As the weft yarn tension does not fluctuate, the quality of the produced fabric is increased.
- The excellent response of the system enables weaving of difficult recycled yarns.
- The smart yarn brake design results in low maintenance.
- The brake is very easy to clean.
- If desired, only one of the weft yarns can be equipped with ACT-R.

EU and US Patents Pending



Södra Portgatan 19, SE-283 50 OSBY, Sweden | Tel: +46 479 536300 | Email: info@eltex.se | www.eltex.se

Eltex U.S., Inc.
13031 E. Wade Hampton Blvd.,
GREER, South Carolina, 29651, USA
Tel: +1 864-879-2131
Email: sales@eltexus.com

Eltex Manufacturing Ltd.
Railway Road,
TEMPLEMORE, Co. Tipperary, Ireland
E41HX65
Tel: +353 504-314 33
Email: info@eltex.ie

POLSA-ELTEX, S.L.
Zamora, 103 – entlo 3o,
ES-08018 BARCELONA, Spain
Tel: +34 93 309 00 17
Email: polsa@infonegocio.com

Eltex China (Beijing) Trading Ltd.
Rm. 1808, Huanyuanzhixing,
Chaoyang Dist,
100020, Beijing, P R China
Tel: +86 10 6506 6468
Email: chuan.jiang@eltex.cn
www.eltex.cn