

STRETCHERS



The Stretchers and Stretch-compensators of the TC series, in the different technical solutions, are designed to be used in all sections of the paper machine when it is necessary to check felt/wire tension, within the values set up by the operator. Furthermore, the stretch-compensators allow the control of the felt/wire line by means of misalignment of the stretching roll which in turn allows for the compensation of the felt / wire length differences in CD. The production of this equipment has been designed with the aim of optimizing the production process. Each single stretcher and/or stretch-compensator is studied and positioned in order to maximize the efficiency of the system. With this in mind, a complete range of machines which takes into account all the fundamental parameters has been designed. The following points have been taken into consideration:

- The position of application in the paper machine
- The choice of the best material
- The necessary precision of control / adjustment
- The width of the paper machine

The stretchers, typically used on fourdrinier machines, are made of stainless steel, while the others can be made either of stainless steel or carbon steel if used respectively for the press section or the dry end. Both machines can be manually or automatically operated. The automatic tension control for felt / wire can be both electronic (with a load cell) and pneumatic (torpress or pneumatic cylinders), depending on the precision needed and the paper machine section.

The electronic stretch-compensators have the following advantages:

- Less steam consumption in the dry-end.
- Fewer paper breaks.
- Better conditions for tail passage.
- Longer life for felt / wire.
- Longer life for bearing.
- Better paper quality.

The felt / wire line adjustment in the stretch-compensators is carried out by a screw-jack which limits the adjustment field of the roll and at the same time measures its misalignment. This adjustment can be manual or motorized and the measure of misalignment can be visual or remote-controlled for the sections of machine which are less accessible.

De Iulii produces two different sizes for each type of machine:

For rolls width up to 3.5m

For rolls width from 3.5m to 6m.



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