

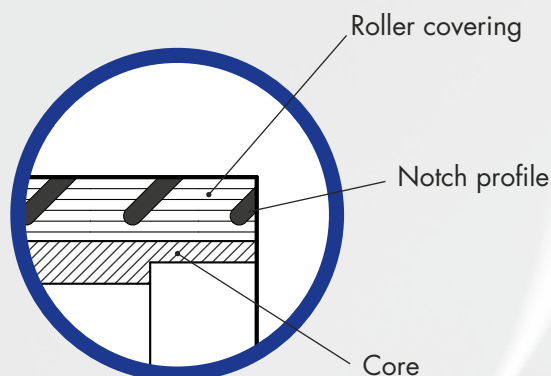
WEROSTRETCH-V

Spreader Roller with patented profile

■ Wrinkles and damages

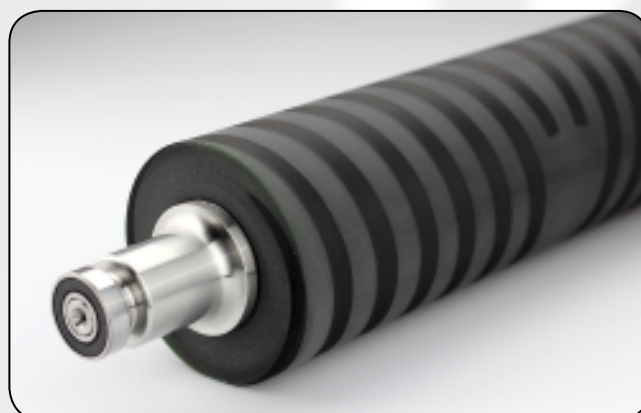
If webs have to be guided mechanically without wrinkles, Spreader Rollers are used. At the manufacturing, converting or printing of films, papers, nonwovens and textiles, most operators use traditional rubber rollers with open profiles (e.g. WEROSTRETCH-N). Because of this kind of profile, an overstretching of marking-sensitive substrates is possible and damages on the product may occur. In some environments, contamination of the grooves can appear and lead to malfunction.

■ Patented profile



■ Solution against wrinkles

WEROSTRETCH-V is a rubber covering for Spreader Rollers with a patented profile. The classic notch profile will be filled with another polymer additionally and grinded cylindrically. Special feature: The rubber filling has a different Shore-hardness than the rest of the roller covering. Because the resulting functional surface of the roller does not have any geometric contours, marks on the web material are considerably avoided. As the web spreading effect happens in a flat position, WEROSTRETCH-V is also suitable for fast line-speeds.



■ Easy to clean

Due to the fact that WEROSTRETCH-V does not have an open notch geometry, no accumulation of contaminants inside the profile can occur (neither solids or liquids). Therefore, this Spreader Roller is also suitable for textile processing, such as washing, bleaching or coloring of fabrics. Good to know: The full-surface roller covering can be regrinded, without losing its predefined spreader functionalities. The Spreader Roller is driven by tensile stress of the web material. No external actuator is required.

FACTSBOX

- + Patented profile
- + Ideal for use with marking-sensitive web materials
- + Suitable for fast line-speeds
- + Regrindable

WEROSTRETCH-N



WEROSTRETCH-V



In a direct comparison: Thin polyester film on a traditional (left) and a special profiled Spreader Roller (right).

Product overview

TYPE	Width of notches	Threads	Available polymers
WEROSTRETCH-V			
V 6 - 4	6mm	4	EPDM, NBR or SILIKON
V 6 - 6	6mm	6	EPDM, NBR or SILIKON
V 6 - 8	6mm	8	EPDM, NBR or SILIKON

Further variants as well as electrically conductive materials are also available.

■ Maintenance instructions

The WEROSTRETCH-V Spreader Roller is easy to clean with IPA (Isopropanol) or IPA-water mixture. For stubborn dirt, depending on the used polymer, the short-term usage of the following cleaners will help:

EPDM
NBR/SILIKON

Ester- and Ketone-containing cleaning agents, such as Acetone or Butyl acetate
Long chain hydrocarbons, such as Petroleum benzine

■ Storage conditions

Rollers should be stored in a way that avoids deformation or mechanical damage to the roller cover. Ideally, standing or hanging on the shafts. For storage, cleaning and maintenance of rubber products, the standards ISO 2230 applies.

■ Liability exclusion

The above information is based on our knowledge and experience under normal conditions, assuming the product is stored and used properly. This data is understood as the characterization of the material properties and not as minimum values in terms of specification. Technical changes reserved.