

Quantum leap in web spreading

## Highly efficient ESR spreader rollers

The **EcoStretchRoll (ESR) spreader roller** is an innovative spreader roller developed by the inventor of brush spreader rollers. Using patented precision rubber rings with individual spreading elements, the ESR enables improved and precise spreading without the need to use an engine for drive or adjusting the roller. Each rubber ring consists of independent spreading elements that react quickly to fabric pressure. The controlled movement towards the edge of the roller is achieved by a protected molding of the spreading elements.

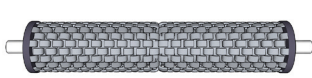
### Advantages at a glance:

- strong spreading capacity
- marking-free
- nearly wear-free
- cost-efficient
- vibration-absorbing
- no separate drive needed
- FDA compliant

## Model overview

### ESR-ST (Sensitive Treatment)

spreads all webs  $>4 \mu\text{m}$  or  $>8\text{gr/m}^2$



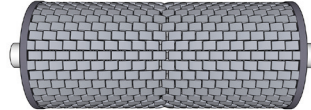
#### ESR-ST 40/60:

outer diameter: 60 mm  
speed: up to 300 m/min



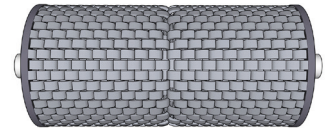
#### ESR-ST 80/110:

outer diameter: 110 mm  
speed: up to 700 m/min



#### ESR-ST 110/130:

outer diameter: 130 mm  
speed: up to 800 m/min



#### ESR-ST 120/150:

outer diameter: 150 mm  
speed: up to 1000 m/min

## Advantages of the ESR spreader rollers



### Principle of operation

**1.400-2.800** independently operating individual spreader elements per meter roll length.



### Contact surface

Slightly curved, large contact surfaces ensure **marking-free** guidance without relative movement.



### Wrap angle

Full functionality at **8-180 degrees** in both directions.



### Web tension

Between **10 und 750 N/mtr.** roll length.



### Web thickness

Spreads any material thickness  **$>4 \mu\text{m}$  and  $>8\text{gr/m}^2$ .**



### Multiple cutting

Applicable for multiple cuttings.



### Web speed

The EcoStretchRoll can be used up to **1.000 m/min.** At the same time, it has vibration-damping effect and runs absolutely quietly.



### Variants

The EcoStretchRoll is available in four diameters (60, 110, 130, 150 mm) and can be produced to customer specifications up to a maximum of 7.000 mm.



### Material properties

TPE: wear-free, temperatur- and ozon-resitant and FDA-approval.



### Roll body

Smooth-running roller from DRECKSHAGE. Lightweight aluminium roll tubes with special geometry for high bending stiffness. Fast response due to low start-up weights an low inertia.



### Assembly

Each EcoStretchRoll is produced according to customer specifications and delivered ready for installation. It is ready for immediate use without external drive or adjustment.



### Manufacturer:

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