

## ROLLER COVERING FOR THE TEXTILE INDUSTRY

# EXTRUSION, SIZING AND GLUING & WEAVING

Today, essential requirements for textile roller coverings are the chemical resistance and the preciseness of the applied covering, particularly in specialized applications such as extrusion, sizing and weaving. Furthermore, the covering's durability is a key element for you as a customer in your strive to increase cost-effectiveness.

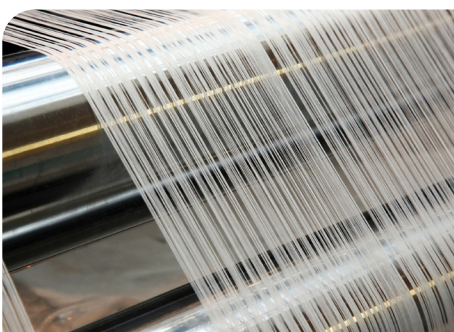
### ALWAYS AT YOUR SERVICE!

- Full **mechanical maintenance on rolls**
- Full **mechanical maintenance on curved spreader rolls**, also new rolls
- **Mechanical maintenance and repair** on your rolls
- **New rolls**

At Hannecard, we do our utmost to help you reach this goal. Worldwide industry leading manufacturers today rely on Hannecard's skilled sales and technical staff. They guide your rollers through every production stage, while maintaining the highest manufacturing standards.

Through our plants in Europe, India and China, we supply solutions developed in cooperation with the most innovative OEM's within the textile industry. This as well within the area of weaving, wet finishing, heat set finishing, coating as non-woven applications.

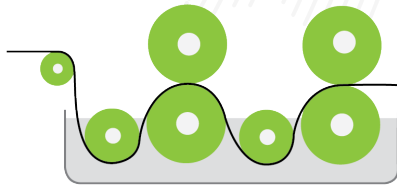
## COVERINGS FOR THE EXTRUSION OF TEXTILE YARNS



In a yarn extrusion line, synthetic granulates are melted and mixed at a certain temperature and pressure, and then extruded into filaments. After the melt has been pumped through the spin packs, the filaments are cooled as they fall to the pull frame. In the pull frame, the filaments are stretched to make the yarn stronger. The yarn is then fixed on a cooling drum before being placed on spools through the reel.

For this, the pressure rolls are used, which Hannecard can cover with one of the following qualities:

Solution	Hardness	Colour	Characteristics & Applications
<b>Multihan Plus</b>	70, 85 Shore A	Beige	<ul style="list-style-type: none"> <li>• Excellent abrasion resistance and tear strength</li> <li>• Resistant to high mechanical and dynamic loads</li> <li>• Good resistance to ozone and various solvents</li> <li>• Good resistance to oils and grease</li> <li>• Very good temperature resistance</li> </ul>
<b>Hannetop-L</b>	70-95 Shore A	Green	<ul style="list-style-type: none"> <li>• Very high mechanical and dynamic properties – resistant to high loads</li> <li>• Special bonding technology resistant to high loads and temperatures</li> <li>• High temperature resistant (up to 160 °C)</li> <li>• Excellent resistance to greases, mineral oil, petroleum and kerosene</li> <li>• Pale colour – non-staining</li> </ul>
<b>Hannedyn XP</b>	94, 98 Shore A	White	<ul style="list-style-type: none"> <li>• Counter pressure wheels for knives</li> <li>• Excellent mechanical properties : tear strength, cut resistance, abrasion resistance</li> <li>• Excellent resistance to oils</li> </ul>



sizing box

## COVERINGS FOR SIZING AND GLUING OF YARNS AND FABRICS

The yarn is prepared for the weaving process. This is a typical impregnation process with a starch-based solution (natural fibres) or other (synthetic fibres) to improve the properties of the yarn for later treatment. This process is also called sizing.

Solution	Hardness	Colour	Characteristics & applications
<b>Bacroll</b>	62, 79 Shore A	Black	<ul style="list-style-type: none"> <li>Coating developed for dip roll</li> <li>High chemical stability up to 100°C</li> <li>Good abrasion resistance</li> </ul>
<b>Chemblack</b>	69, 79, 87 Shore A	Black	<ul style="list-style-type: none"> <li>Coating developed for the top squeezer rolls for the sorting bath of a sorting yarn line</li> <li>High chemical stability up to 100°C</li> <li>Good abrasion resistance</li> </ul>
<b>Filtex-CR</b>	70-80 Shore A	Red	<ul style="list-style-type: none"> <li>Coating developed for the top squeezer rolls for the sorting bath of a sorting yarn line and dip roll</li> <li>Combines perfect squeezing with a controlled application of quantity of size to the yarn, achieved thanks to a structured (CR), micro porous surface</li> <li>High chemical stability up to 110°C</li> </ul>
<b>Hard-Squeeze</b>	Ebonite	Beige	<ul style="list-style-type: none"> <li>Hard back pressure part for lower squeeze sections</li> <li>Stable, durable material</li> <li>High chemical stability up to 95°C</li> </ul>

## COVERINGS FOR WEAVING-LOOMS

During the weaving process in the looms, counter rolls (pressure & pull rolls) are covered with rubber. The coating must be resistant to textile spin oils.



Solution	Hardness	Colour	Characteristics & applications
<b>OptiDraw</b>	65 Shore A	Beige	<ul style="list-style-type: none"> <li>Coating developed for the pressure or guiding rolls</li> <li>Optimal drawing efficiency thanks to its good grip and chemical stability</li> </ul>
<b>OptiDraw-Plus</b>	65 Shore A	dark beige	<ul style="list-style-type: none"> <li>Coating developed for the pull rollers</li> <li>Rubber coating with excellent grip and chemical stable properties</li> <li>Superior mechanical resistance</li> <li>Goosebump finishing</li> </ul>
<b>Hannestar-CR</b>	75 Shore A	Grey	<ul style="list-style-type: none"> <li>Coating developed for the pull rollers</li> <li>Special rubber with a filler that increases the surface roughness after grinding</li> <li>Improved grip and friction coefficient</li> <li>Specifically effective on wet strap</li> </ul>

The rollers can also be coated with rubber tapes to improve their grip. In addition to applications during weaving, tufting, wrapping, rubber tapes can also be used for calendaring, calibration and collecting fluff and yarns. See our separate leaflet: [roller covering tapes](#).

### MORE INFORMATION?

For more information, please contact your local Hannecard partner or visit our website: [www.hannecard.com](http://www.hannecard.com)