



ROLL COVERING FOR THE METAL INDUSTRY

STEEL, STAINLESS STEEL, ALUMINIUM AND NON-FERROUS COILS

Ever since the early days of synthetic rubber development, Hannecard has produced roller coverings for the manufacturing and finishing of steel, stainless steel, aluminium and non-ferrous strip.

Today the Hannecard group proposes a comprehensive range of products, solutions and services for every possible application.

GENERAL REQUIREMENTS

- Optimal chemical, physical and dynamical behaviour
- Maximum performance
- Maximum lifetime
- Reduction of total cost
- Quality improvement of the customer's end product

Application	Roller types
<ul style="list-style-type: none"> • Cold rolling • Pickling • Annealing 	<ul style="list-style-type: none"> • Squeegee rolls for steel, stainless steel, aluminium and non-ferrous strip (HCl, H₂SO₄, HF/HNO₃, H₃PO₄...) – for all pickling environments • Louper detour and support rollers (also lightweight looper rollers) • Bridle rolls and S-rolls, detour rolls, pinch rolls and hold-down rolls
<ul style="list-style-type: none"> • Cleaning • Annealing • Skin Pass • Tension Levelling 	<ul style="list-style-type: none"> • Squeegee and sink rolls for all alkaline or acid environments for steel, stainless steel, aluminium and non-ferrous strip (products based on NaOH, KOH... - products based on acid solutions) • Looper and support rollers for vertical and horizontal loopers • Bridle rolls and S-rolls, detour rolls, pinch rolls and hold-down rolls
<ul style="list-style-type: none"> • Galvanizing 	<ul style="list-style-type: none"> • Squeegee and sink rolls for all chemical treatments • Squeegee rolls for quench and cool down sections • Looper and support rollers, bridle and detour rolls, pinch and hold-down rolls • Passivation rollers (by spray-squeeze or by chemical coating)
<ul style="list-style-type: none"> • Electrolytic process lines (zinc, tin...) 	<ul style="list-style-type: none"> • Squeegee and hold-down rolls for all chemical treatments • Looper and support rollers, bridle and detour rolls, pinch and hold-down rolls • Passivation rollers (by spray-squeeze or by chemical coating) • Sink and cell rolls (up to Ø 2500mm)
<ul style="list-style-type: none"> • Coil Coating 	<ul style="list-style-type: none"> • Squeegee and sink rolls for cleaning, pre-treatment and cooling • Squeegee or coater rolls for chromate pre-treatment • Coater rolls for coil coating (paint, varnish, chemical coating...) • Looper and support rollers, bridle and detour rolls, pinch and hold-down rolls
<ul style="list-style-type: none"> • Inspection • Finishing • Cut to length • Slitting 	<ul style="list-style-type: none"> • Bridle and tensioning rolls, brake rolls, pinch and hold-down rolls • Strip support rollers • Distance rings, positioning rollers
<ul style="list-style-type: none"> • Other products 	<ul style="list-style-type: none"> • Elastic sleeves for unwinding and winding • Edge trimmer rings • Coil car support rolls

DIMENSIONAL CAPACITIES

	Rubber /PU	Composites
Diameter	2500 mm	1200 mm
Length	12000 mm	8000 mm
Weight	32000 kg	

THE HANNECARD ADVANTAGE

- **Comprehensive range** of rubber, polyurethane and composite coverings
- We can handle rollers of **every possible dimension**
- **Global presence** to serve local needs
- Continuous development, innovative solutions, new concepts
- **Full maintenance service**
- Supply of new roller cores, metal and composite rollers, assembled rollers
- **Guaranteed performance and lifetime**

OVERVIEW SOLUTIONS

Solution type	Covering
Rubber	<ul style="list-style-type: none"> • Natural and synthetic rubber types, silicone, special rubber formulations • Ebonites • Hardness range: 20 to 95 shore A – up to 80 shore D • Special compounds for improved chemical, mechanical and dynamical behaviour • Special compounds for enhanced grip and stable friction coefficient • ECO-quality with a reduced impact to the environment (in appliance with REACH)
Polyurethane	<ul style="list-style-type: none"> • More then 300 polyurethane compounds • Hardness range : 10 to 95 shore A – up to 80 shore D • Special compounds for improved chemical resistance • Special compounds for improved physical and dynamical resistance • Special compounds for improved heat resistance (up to 150 °C) • Special compounds for improved grip and stable friction coefficient • Special compounds with increased surface energy
Composites	<ul style="list-style-type: none"> • PRINTAM-technology for core protection and bottom layer technology

RELATED DOCUMENTS

- Solutions - 'Cleaning & Degreasing'
- Solutions - 'Colour coating & chemcoating'
- Solutions - 'Carbon Steel pickling'
- Solutions - 'Stainless Steel pickling'
- Solutions - 'Management of Mechanics'
- Product Information - 'Printam'
- Product Information - 'Elastic Sleeves'

Improve your performance with Hannecard technology

Our proven roller covering guarantee better performance and longer service periods. This automatically results in an increased reliability and a considerable cost reduction.

- **Comprehensive range** of rubber, polyurethane and composite coverings **for every application.**
- **Capacity to handle rolls of all dimensions**
- **Geographically close:** Various production units, joint ventures & licensee partners worldwide
- In order to respond to the future needs of the metals industries, our **laboratories** and R&D teams work constantly on the **development of new compounds** and on the further **optimization of our production processes.**
- **Full maintenance service** : dynamic balancing, (dis)assembly, inspection, repair, concept improvements and engineering services.
- **Project delivery** : new roller cores out of steel, stainless steel, aluminium or composites (fibre glass or carbon fibre), assembled rollers
- **Guaranteed performance** : reliable quality, increased lifetimes, years of experience, technical support
- **Performance Improvement Contracts**

MORE INFORMATION?

For more information, please contact your local Hannecard partner or visit our website at:

www.hannecard.com