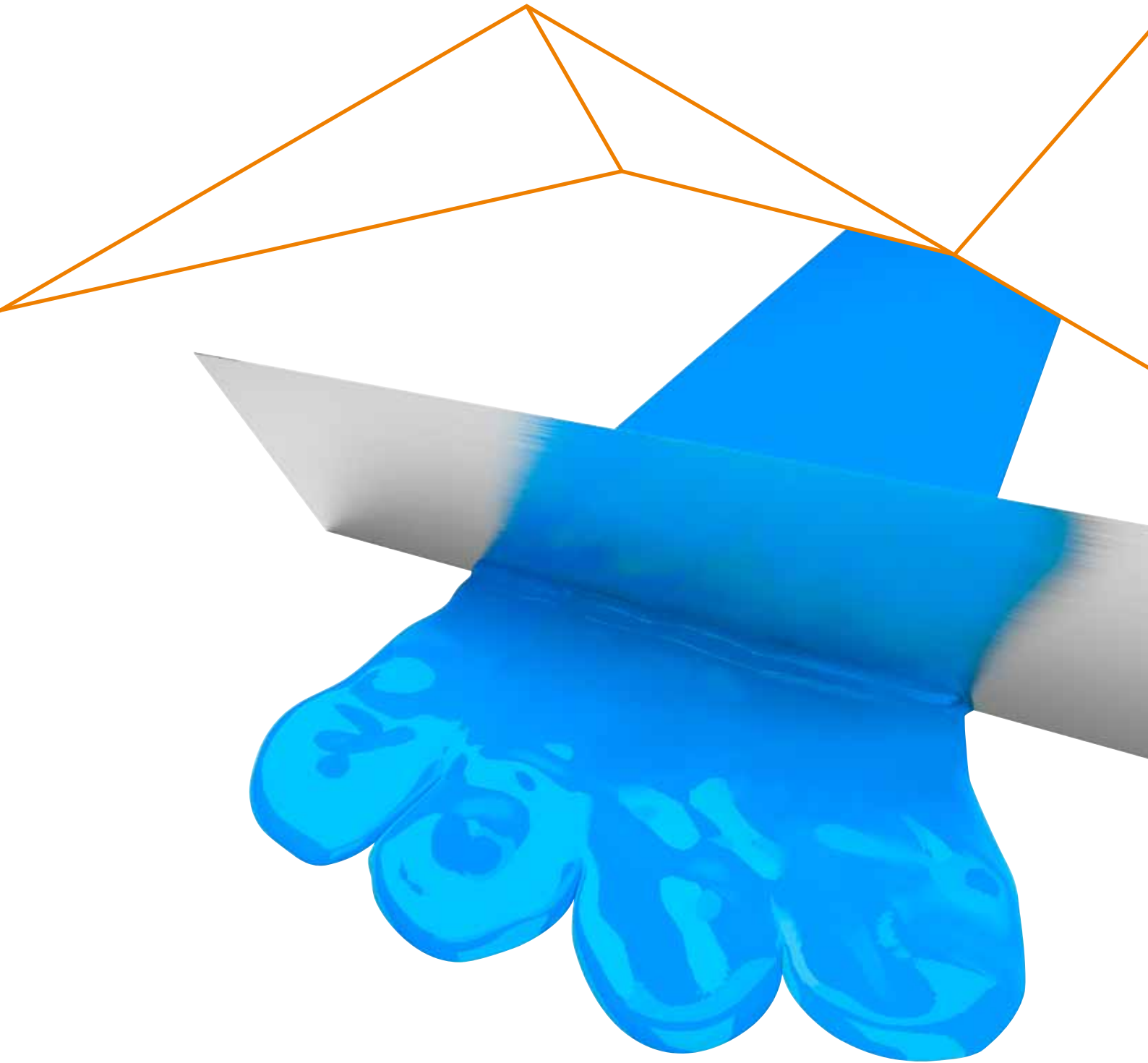




# SANDVIK SANPRINT™

## YOUR COMPETITIVE EDGE



# IT'S STRAIGHT AND CONSISTENT, WITH THE RIGHT MICROSTRUCTURE AND EDGE GEOMETRY

## IT'S SANDVIK DOCTOR BLADE STEEL!

Whether you're a doctor blade producer or using doctor blades in your printing process, you know the value of using steel strip that behaves in exactly the same way every time. Developed specifically for printing doctor blades, the various steel grades in the Sandvik Sanprint portfolio offer precisely the right quality for your printing job.

## IT'S THE STEEL THAT MAKES THE DIFFERENCE

Sandvik Sanprint strip products are made from highest quality Swedish steel. After decades of focused R&D and testing we can guarantee stable quality throughout our manufacturing process, providing 100% performance – strip after strip.

## OPTIMAL PROCESS QUALITY FOR PRINTERS

Sandvik Sanprint strip is characterized by its close dimensional tolerances and consistent straightness. The tailored microstructure of each grade ensures optimal printing quality. By using doctor blades made from Sandvik Sanprint strip, flexographic and gravure printers can achieve perfect dispersion of the printing ink and long blade service life.

## WHATEVER THE APPLICATION

When selecting doctor blades perhaps your customer's main requirement is wear resistance for long print runs with abrasive inks. Maybe corrosion resistance, for water-based inks and laminating, is important. It could be that your printer wants a high

quality carbon steel for non water-based and UV inks and short print runs. Whatever the application we have the right steel grade.

## DEVELOPED BY LISTENING TO YOU

The Sandvik Sanprint portfolio contains different steel grades developed and continuously updated by listening to our customers. Product development is driven by your needs and we aim at setting the industry standard. Sandvik Sanprint steel strip gives you a competitive edge.



**FIND THE RIGHT PRODUCT FOR YOUR APPLICATION**

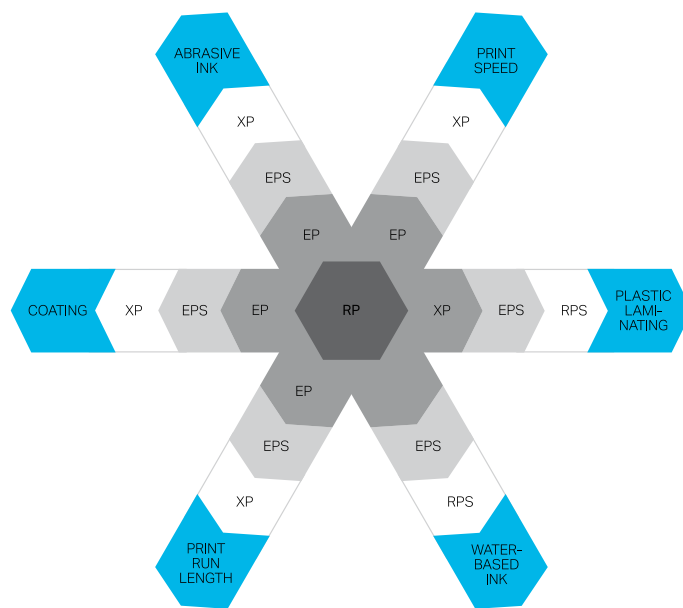
**SANDVIK SANPRINT™ XP**  
 – I.E. EXTENDED PERFORMANCE  
 High quality tool steel with exceptional wear resistance suitable for abrasive inks.

**SANDVIK SANPRINT™ EPS**  
 – ENHANCED PERFORMANCE STAINLESS  
 A corrosion-resistant steel with excellent wear resistance suitable for all types of ink.

**SANDVIK SANPRINT™ RPS**  
 – REGULAR PERFORMANCE STAINLESS  
 A corrosion-resistant steel with high wear resistance suitable for water-based and UV inks.

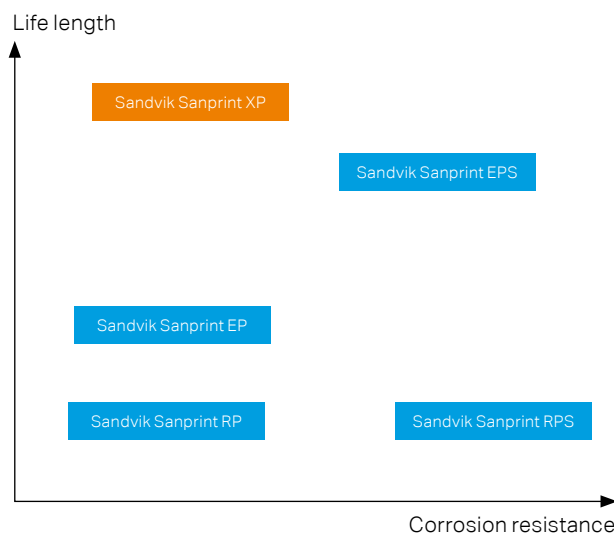
**SANDVIK SANPRINT™ EP**  
 – ENHANCED PERFORMANCE  
 A high quality carbon steel with very high wear resistance tailored for long printing runs and suitable for non-water based and UV inks.

**SANDVIK SANPRINT™ RP**  
 – REGULAR PERFORMANCE  
 A high-quality carbon steel with high wear resistance suitable for non-water based inks and economical choice for shorter printing runs.



**A COMPLETE PORTFOLIO**

Whether you require long print life or corrosion resistance, we have the steel for your doctor blades.



# OUTSTANDING SOLUTIONS TO COMMON PROBLEMS

At Sandvik it's people with a genuine knowledge of materials who give the steel precisely the right properties for each application. Our technical specialists throughout the chain, from R&D to production to quality control, are dedicated to producing the right steel for your needs and adding value to your business.

At our R&D Centers we conduct product development and tests to ensure that our steel grades meet the highest standards in terms of quality for each printing condition.

## CHEMICAL COMPOSITION, MICROSTRUCTURE AND MECHANICAL PROPERTIES

The chemical composition of the doctor blade steel is kept within narrow tolerances and our materials contain low levels of inclusions controlled during the casting procedures. In combination with optimized heat treatment processes this results in a family of microstructures with different levels of wear resistance and corrosion resistance for each type of printing job.

## ACHIEVING OPTIMAL STRAIGHTNESS AND EDGE GEOMETRY

The most important parameter, straightness, is achieved by carefully controlled cold rolling, hardening and slitting of the wide strip to narrow widths. Highly accurate tools are used to get the final smooth, burr-free edge and the final edge profile is checked in a light optical microscope.

## COMMITTED TO YOUR NEEDS

Our R&D Centers focus continuously on delivering solutions for the challenges you face as a blade producer or as a printer.

Our capabilities include facilities and test units for:

- Microstructure investigations of materials
- Analyzing mechanical and physical properties
- Computational modelling for optimizing the manufacturing processes
- Pilot production
- Full-scale production trials and testing process.



# IN-TIME, ON-TIME, EVERY TIME



## SANDVIK – YOUR PARTNER IN SERVICE AND PRODUCTIVITY

At Sandvik we understand the importance of offering the right products with exactly the right level of availability to suit your needs. Therefore we deliver the finished steel strip to you, wherever you are, on time, when you need it.

## HOW DO WE ACHIEVE THIS?

Sandvik has Service Centers strategically located around the globe in Zhenjiang, China, Sandviken, Sweden (covering Europe), and Benton Harbor, USA, from which we can supply our customers.

## CONTACT US – WE SPEAK YOUR LANGUAGE

There is a Sandvik representative close to you who has knowledge of your region's culture and business conditions. Just explain your needs and let us help you.



Sandvik is a global engineering Group with more than 47,000 employees strongly committed to enhancing customer productivity, profitability and safety. Sandvik's operations are centered on five business areas in which the group holds a leading global position in selected niches: Sandvik Mining, Sandvik Machining Solutions, Sandvik Materials Technology, Sandvik Construction and Sandvik Venture.

Sandvik Materials Technology is a world-leading developer and manufacturer of products in advanced stainless steels and special alloys for the most demanding environments, as well as products and systems for industrial heating.

CONTACT US

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