SANDVIK HARD MATERIALS IN BRIEF

The Sandvik Group, established in 1862 and headquartered in Sandviken, is one of Sweden’s largest exporters companies with more than 100 wholly-owned subsidiaries and representations in 130 countries. The Group has annual sales of SEK 55 billion, with 18,000 employees. More than 30% of sales are to customers outside Sweden. Sandvik is highly research-oriented and investments in R&D related to new products and processes amount to approximately 4% of turnover value.

SANDVIK SLEEVE CONCEPT

LOW CAPITAL INVESTMENT
- Only buy the Carbide Sleeve, not the entire shaft
- Reduced diameter tending towards one up or two ups
- Adapted to small / medium series
- Lower regrinding cost

COMPACT FRAME, EASY TO FIT IN ANY LINE
- No need for a spare frame
- Reduced transportation costs

CARBIDE PERFORMANCE
- Outstanding lifetime of Carbide Sleeve versus Steel Cutter
- Wear resistance
- Edge sharpness retention

REDUCED MACHINE DOWNTIME
- High flexibility design for shorter down time and quick tool change
- No assembly / disassembly of bearing rollers
- Easy handling and storage
Cemented Carbide Performance with Low Capital Investment Sleeve CRC

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SANDVIK SLEEVE CONCEPT

Today there is a product gap between Sandvik’s long lasting CRC tools and conventional steel tools. The Sandvik tools are designed to keep performance levels at high speed and increase productivity.

CARBIDE vs STEEL

Carbide remains the superior technology system for cutting applications.

DEVELOPING SUPERIOR CUTTING TECHNOLOGIES

With over 20 years of experience in CRC technology, we have the solution for:

- To develop larger dimension products
- To solve your cutting problems
- To increase your line speed
- To reduce the cost

FOCUS ON INCREASING PRODUCTIVITY

SANDVIK WORLDWIDE SUPPORT & SERVICE

In-depth knowledge and experience with product development and manufacturing. Worldwide technical and commercial presence.

Don’t hesitate to contact our Product Specialists at:
www.hardmaterials.sandvik.com

CARBIDE sleeve technology matches the market demand of having a carbide cutting solution at lower cost, increasing productivity.

SANDVIK SLEEVE CONCEPT

EXTENDED AND RELIABLE LIFE OF CEMENTED CARBIDE

Steel

Cemented Carbide

SANDVIK HARD MATERIALS’ OBJECTIVE IS TO PROVIDE INNOVATIVE SOLUTIONS TO OUR CUSTOMERS’ CHALLENGES. WHILE UNDERSTANDING CUSTOMER NEEDS AND ANTICIPATING SOLUTIONS, WE CREATE VALUABLE WAYS TO PROVIDE THE BEST PERFORMANCE MATERIALS THAT WILL INCREASE CUSTOMER PRODUCTIVITY.

SANDVIK HARD MATERIALS STRIVES TO BE THE FIRST TO DELIVER AN EFFECTIVE SOLUTION THAT WILL EXCEED CUSTOMER EXPECTATIONS. WE WORK VERY CLOSE TO OUR CUSTOMERS TO FIND THE RIGHT MATERIALS, PROCESS DESIGN AND TECHNOLOGY THAT WILL LEAD TO PRODUCTIVITY IMPROVEMENTS.

SANDVIK’S STRATEGY HAS ALWAYS BEEN TO INVEST HEAVILY IN RESEARCH AND DEVELOPMENT OF OUR PRODUCTS AND TECHNOLOGIES. THE OBJECTIVE OF SANDVIK’s R&D DEPARTMENT IS TO INCREASE CUSTOMER SATISFACTION. THIS IS A PRIORITY IN ORDER TO ASSURE OUR LEADING COMPETITIVENESS.

TODAY THERE IS A PRODUCT GAP BETWEEN SANDVIK’S LONG LASTING CRC TOOLS AND CONVENTIONAL STEEL TOOLS. THE SANDVIK TOOLS ARE DESIGNED TO KEEP PERFORMANCE LEVELS AT HIGH SPEED AND INCREASE PRODUCTIVITY.

TOTAL COST

NUMBER OF CUTS

CRC TODAY

SLEEVE CONCEPT

LOWER COST AND MORE PRODUCTIVITY

FOCUS ON INCREASING PRODUCTIVITY

INTERNATIONAL CORPORATION SUPPORT & SERVICE

IN-DEPTH KNOWLEDGE AND EXPERIENCE WITH PRODUCT DEVELOPMENT AND MANUFACTURING. WORLDWIDE TECHNICAL AND COMMERCIAL PRESENCE.

SANDVIK'S STRATEGY HAS ALWAYS BEEN TO INVEST HEAVILY IN RESEARCH AND DEVELOPMENT OF NEW PRODUCTS AND PRODUCTION METHODS. THE OBJECTIVE OF SANDVIK'S R&D ACTIVITY IS TO INCREASE CUSTOMER SATISFACTION, INCREASE PERFORMANCE AND SOFTWARE CONTENT IN SANDVIK PRODUCTS, ACHIEVE LOWER PRODUCTION COST AND RATIONALIZE THE PRODUCT LINE.

CARBIDE REMAINS THE SUPERIOR TECHNOLOGY SYSTEM FOR CUTTING APPLICATIONS.

CARBIDE PROPERTIES MAKE OUR CRC SURPASS CONVENTIONAL CUTTER PERFORMANCE. THERE IS NO DEFORMATION OF THE CUTTING EDGE AND THERE IS AN INCREASED CUTTING LOAD COMPARED TO STEEL. THERE ARE NO SPEED LIMITATIONS DUE TO THE STRONG PERFORMANCE OF THE CUTTING EDGE.

SANDVIK HARD MATERIALS' OBJECTIVE IS TO PROVIDE INNOVATIVE SOLUTIONS TO OUR CUSTOMERS' CHALLENGES. WHILE UNDERSTANDING CUSTOMER NEEDS AND ANTICIPATING SOLUTIONS, WE CREATE VALUABLE WAYS TO PROVIDE THE BEST PERFORMANCE MATERIALS THAT WILL INCREASE CUSTOMER PRODUCTIVITY.

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TODAY THERE IS A PRODUCT GAP BETWEEN SANDVIK’S LONG LASTING CRC TOOLS AND CONVENTIONAL STEEL TOOLS. THE SANDVIK TOOLS ARE DESIGNED TO KEEP PERFORMANCE LEVELS AT HIGH SPEED AND INCREASE PRODUCTIVITY.
CARBIDE vs STEEL

Carbide remains the superior technology system for cutting applications.

CARBIDE vs STEEL

Cemented Carbide properties make our CRC surpass conventional cutter performance. There is no deformation of the cutting edge and there is increased cutting load compared to steel. There are no speed limitations due to the strong performance of the cutting edge.

SANDVIK SLEEVE CONCEPT

Today there is a product gap between Sandvik long-lasting CRC and low-performance steel cutters. We cover this gap with the new Sandvik sleeve concept. The sleeve design increases the life of a Sandvik long-lasting CRC cutter to allow increasing productivity.

CARBIDE VS STEEL

CARBIDE VS STEEL

DEVELOPING SUPERIOR CUTTING TECHNOLOGIES

Sandvik Hard Materials' objective is to provide innovative solutions to our customers' challenges while simultaneously reducing the company's environmental footprint. We offer cemented carbide cutting tools that provide industry-leading performance while at the same time increasing our customers' productivity.

Sandvik Hard Materials' strategy has always been to invest heavily in research and development of our innovative products and technology. Sandvik's R&D teams are dedicated to increasing productivity for the customers. The R&D strategy is designed to ensure Sandvik is at the forefront of technology development and software content in Sandvik products. Save your productivity and money and call us today.

FOCUS ON INCREASING PRODUCTIVITY

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SANDVIK WORLDWIDE SUPPORT & SERVICE

Worldwide technical and commercial presence.

We can help you choose the right solutions for your job. We have large archives, and we can provide new ideas, new processes, new products and technology. Or you can call us for advice.

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www.hardmaterials.sandvik.com
Sandvik Hard Materials’ objective is to provide innovative solutions to our customers’ challenges while continuously improving customer service and competing with performance. Our goal is to increase customer productivity.

Sandvik Hard Materials strives to be the first to deliver an effective solution that will exceed customer expectations. We work closely with our customers to understand their needs and provide the best materials, processes, product design, and technology for increasing productivity.

Sandvik’s strategy has always been to invest heavily in research and development of new products and production methods. The objective of Sandvik’s R&D activity is to increase value for our customers. This is done by continuously designing in new technology and processes for our products, and by improving the product line.

DEVELOPING SUPERIOR CUTTING TECHNOLOGIES
With over 20 years of experience in CRC technology, we have the solution for:
• To develop larger dimension products
• To solve your cutting problems
• To increase your line speed
• To reduce the cost

FOCUS ON INCREASING PRODUCTIVITY
Sandvik CRC reliability at higher speed.

SANDVIK WORLDWIDE SUPPORT & SERVICE
Worldwide organization with product specialists and local support.
Worldwide technical and commercial presence.

Don’t hesitate to contact our Product Specialists at www.hardmaterials.sandvik.com

CARBIDE vs STEEL
Carbide remains the superior technology system for cutting applications.

Cemented Carbide properties make our CRC technology and concept very attractive for cutting edge applications: there is no deformation of the cutting edge and there is increased cutting load compared to steel. There are no speed limitations due to the strong performance of the cutting edge.

TOTAL COST

Number of cuts

CRC Today
SLEEVE CONCEPT
Steel

LOWER COST AND MORE PRODUCTIVITY

Extended and Reliable Life of Conventional Carbide

SANDVIK SLEEVE CONCEPT
Today there is a product gap between Sandvik’s long-lasting CRC and low performance steel cutters. The Sandvik sleeve concept is designed to bridge this product gap to increase productivity.
SANDVIK CEMENTED CARBIDE PERFORMANCE WITH LOW CAPITAL INVESTMENT SLEEVE CRC

SANDVIK HARD MATERIALS IN BRIEF

The Sandvik Group, established in 1862 and headquartered in Sandviken, is one of Sweden’s largest export companies with more than 100 wholly-owned subsidiaries and representations in 110 countries. The Group has annual sales of SEK 55 billion, with 18,000 employees. More than 90% of sales are to customers outside Sweden. Sandvik is highly research-oriented, and investments in R&D related to new products and processes amount to approximately 4% of annual sales.

THE SANDVIK GROUP

The Sandvik Group is a company based in Sweden and active in diverse areas where high-precision cutting and forming technologies are in demand. Sandvik, a global leader in the field of metal cutting, is a world-renowned company in the field of metal cutting. Sandvik manages the company with a strategy that combines technology and business excellence.

LIMITED COMPONENTS

Sandvik’s limited components are the result of the company’s extensive research and development efforts. Sandvik is known for its high-performance parts that are designed to last. Sandvik’s limited components are manufactured using advanced technology and are manufactured to the highest standards.

Cemented Carbide Tyne Blankets

Sandvik’s cemented carbide tyne blank sets are manufactured using a process that combines advanced technology and manufacturing techniques. The cemented carbide blanks are available in various sizes and can be customized to meet the specific requirements of the customer.

References:

www.sandvik.com/sandviksleeve

Sandvik Hard Materials