

SAFER & QUIETER COMPOSITE ROLLERS YOU CAN COUNT ON

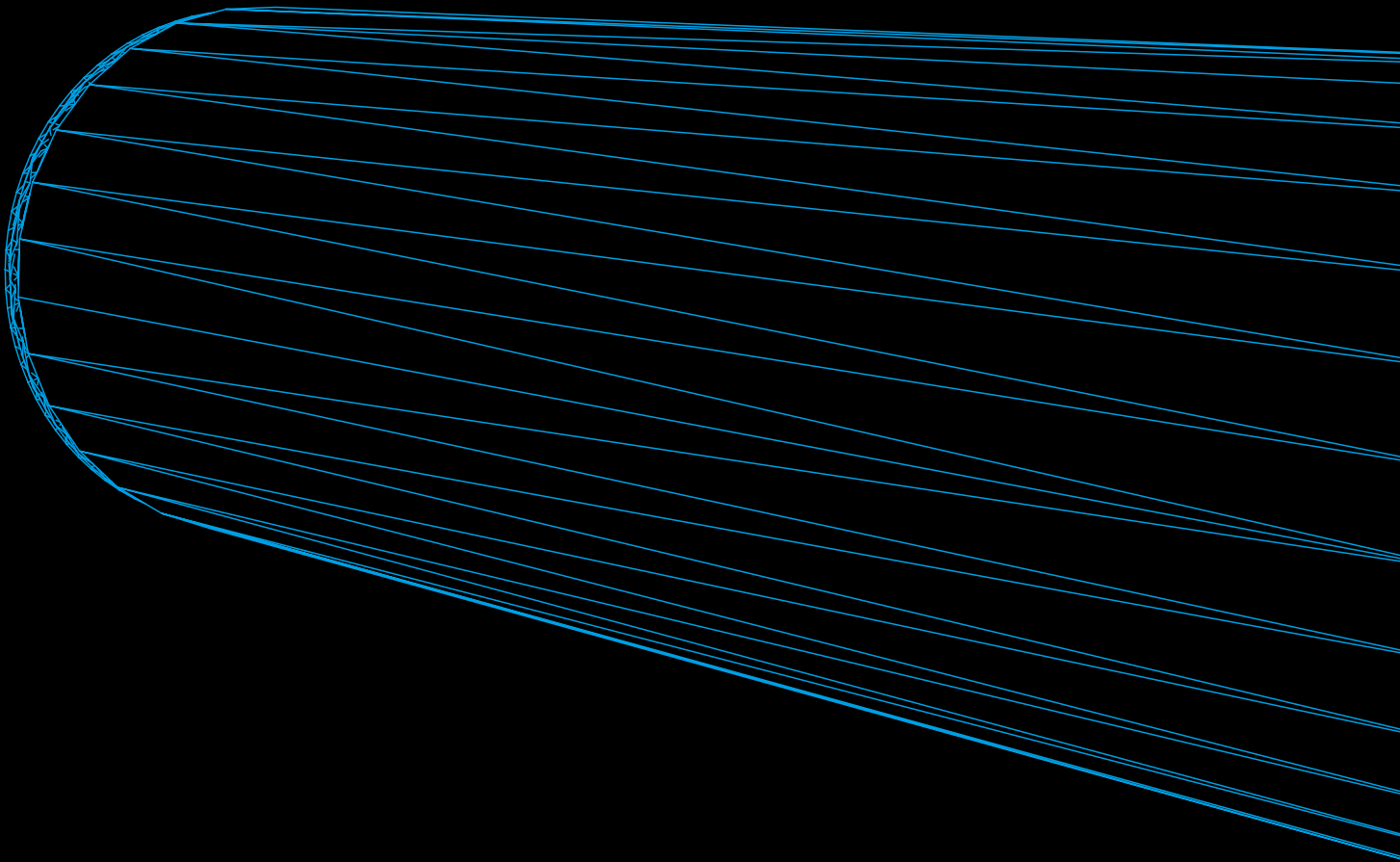
SANDVIK HR185 COMPOSITE ROLLERS



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Today's mass mining operations create unprecedented demands for conveying bulk materials. You need to move more tons – safer, faster and at less cost than ever before.

We've engineered a solution to help keep your conveyors moving 365 days a year. Sandvik HR185, our latest generation all-composite roller, is a low-weight, low-noise innovation that answers your need for a superior conveyor component. Our new composite rollers deliver significantly more value than competing steel rollers, from lower cost to corrosion resistance in wet and high-salt environments. They're safer, quieter and more economical.



SAFER

The composite shell material used in Sandvik HR185 rollers is up to 70 percent lighter than the shell used on traditional steel rollers, and up to 40 percent lighter than other plastic shell materials on the market*.

This significantly lower weight enables safer, easier handling and helps reduce the risk of injuries that can occur while installing new rollers or replacing failed rollers during maintenance shutdowns.

QUIETER

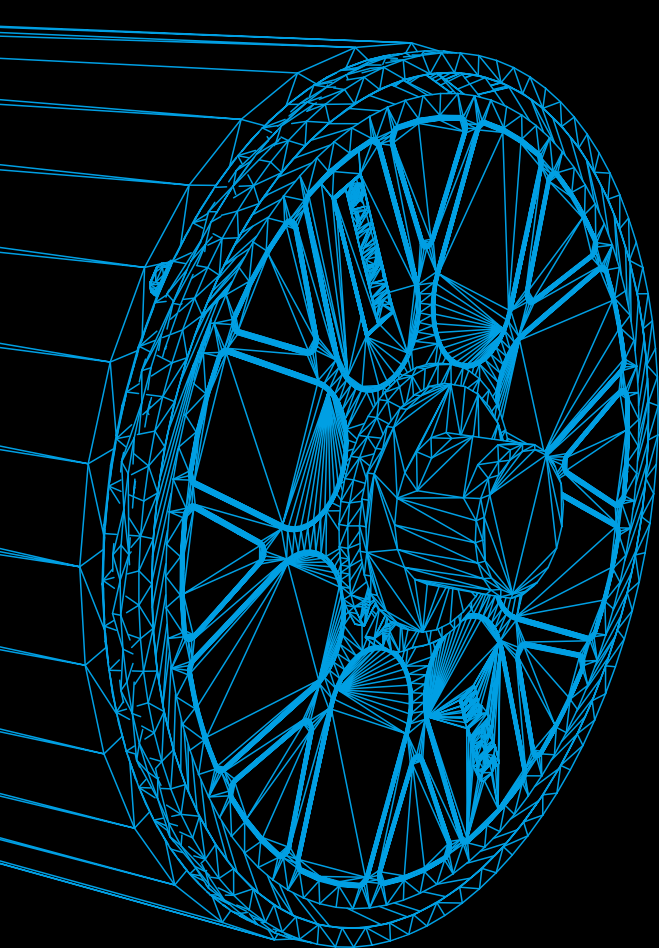
Sandvik HR185 rollers are ideal for noise-sensitive applications, including export terminals and conveying installations near populated areas. They generate more than 50 percent less noise volume than traditional steel rollers. The natural dampening effect of the composite means Sandvik HR185 rollers help protect your colleagues' hearing while minimizing audible impact on the surrounding environment.

MORE ECONOMICAL

In addition to improving safety and increasing your productivity, Sandvik HR185 rollers can reduce your total cost of ownership by up to 20 percent. They require less time and manpower to install and maintain and their reduced power demand due to a lower rotating inertia means you'll save on electricity costs*.

A large, non-rotating end cap covers up to 90 percent of the roller face and helps to limit damage to seals and bearings from dirt, rocks and other material buildup at the roller face, further extending the roller life and reducing your costs.

In addition, should a Sandvik HR185 roller reach the end of its service life and stop rotating, there is no steel end cap, reducing the risk of belt damage.



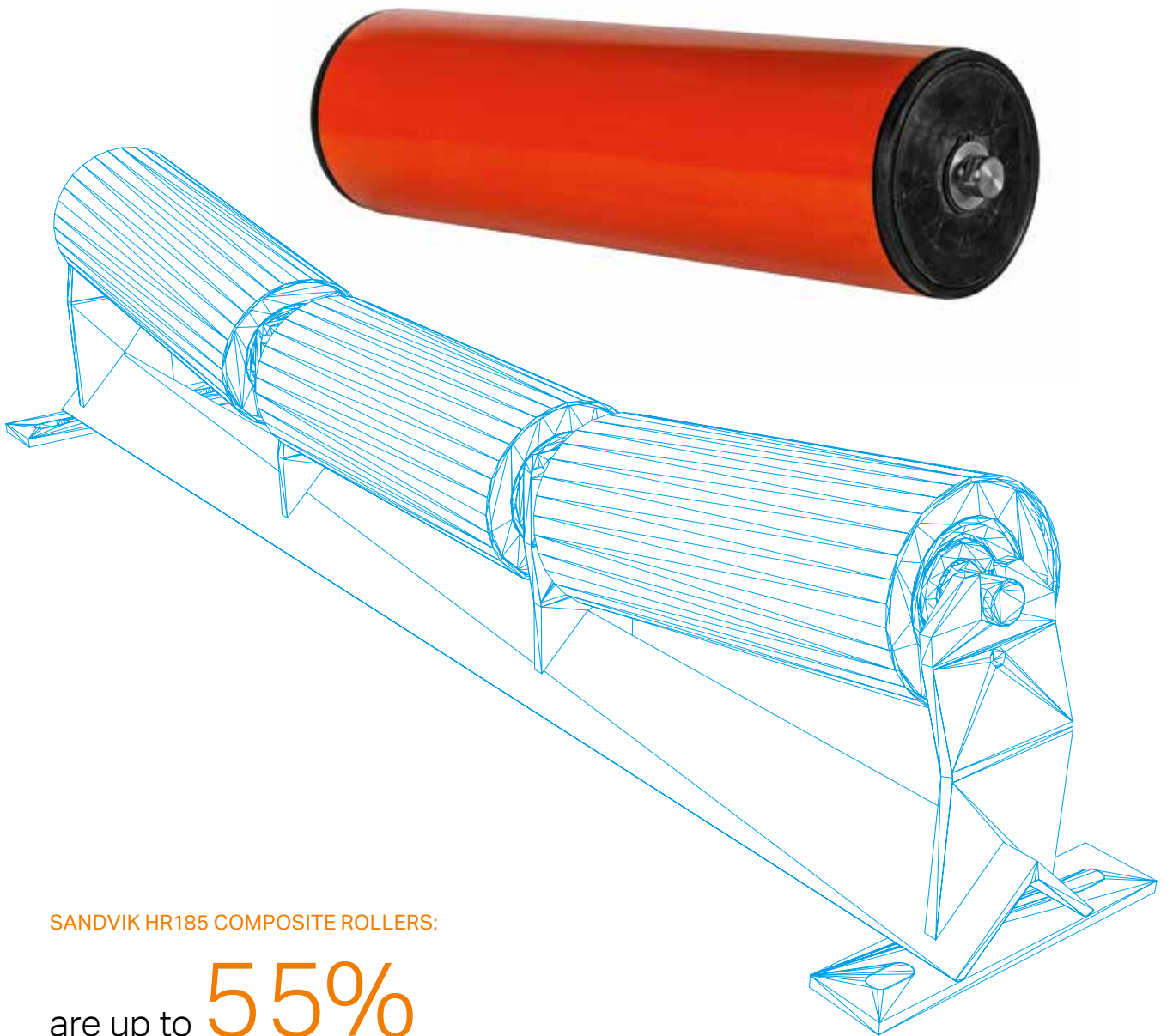
SANDVIK HR185 COMPOSITE ROLLERS:

generate more than
50%
less noise than traditional
steel rollers*

* Test results are to be considered as results reached under certain and controlled test conditions. These test results should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.

SANDVIK HR185

Despite their light weight, our new Sandvik HR185 composite rollers deliver durability in demanding medium to heavy duty conveying applications. Suitable for high speeds and large tonnages, the rollers are available in diameters from 152 millimeters to 178 millimeters with bearing sizes from 6306 up to 6310.



SANDVIK HR185 COMPOSITE ROLLERS:

are up to **55%**
lighter than traditional
steel rollers*

* Test results are to be considered as results reached under certain and controlled test conditions. These test results should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results in any or all circumstances.

ENGINEERED TO EXCEED EXPECTATIONS

Sandvik HR185 composite conveyor rollers feature a composite tube and molded composite end caps holding the bearings and seals. Unlike other plastic rollers that rely on the physical properties of a single primary shell material to deliver both strength and abrasion resistance, the shell of Sandvik HR185 rollers are formed by advanced processes to deliver a two-part composite tube that can handle all the running loads of a steel roller at a significantly reduced weight.

STRONG AS STEEL

The structural core of Sandvik HR185 rollers is comprised of layers of unidirectional and cross-directional glass fiber material to ensure unrivaled mechanical strength. Sandvik HR185 composite rollers are as strong as comparably-sized steel rollers and can carry the same running loads. They even boast lower thermal expansion, making them more stable than most plastic rollers.

ADVANCED SEALING

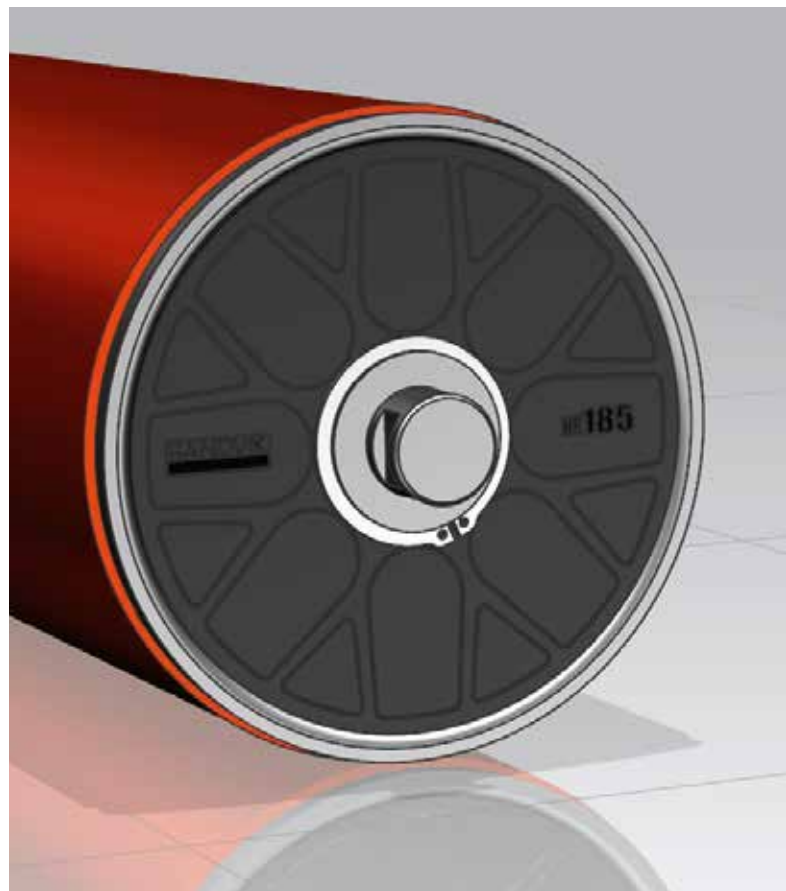
Sandvik sealing systems work. Some of our rollers are still in operation after 25 years of service, and Sandvik HR185 builds on this experience to deliver an unrivaled sealing system while maintaining low drag.

HIGH-PERFORMANCE END CAP

We've engineered an end cap based on knowledge developed through 15 years of manufacturing molded end cap rollers. The end caps on each Sandvik HR185 roller provide the necessary structural integrity and optimum bearing support, ensuring that any heat buildup on the bearing is dissipated and won't affect a roller's long term performance.

NON-ROTATING END SHIELD

The outer shield on Sandvik HR185 rollers remains stationary with the roller shaft. If any debris becomes trapped between the frame and the end cap, it will not have any detrimental effect on the sealing system or the roller.



SANDVIK HR185 COMPOSITE ROLLERS:

cost up to **20%**
less to own due to easier
maintenance and lower
energy demands*

WE'LL KEEP YOU MOVING, 24/7/365

Sandvik HR185 composite rollers build on the proven success of Sandvik rollers and round out an end-to-end range of conveyor components – all developed through rigorous testing and designed for long service life and operating economy in harsh environments.

Available in a wide variety of types, sizes, designs and materials, Sandvik rollers can be tailored to suit the speed, weight and width of a belt, its design loads and the operating conditions of a conveyor.

TECHNICAL DATA

ITEM SPECIFICATION	
Maximum roller face width	1,250 mm
Tube diameters	152 mm-178 mm
Bearing sizes	6306, 6307, 6308, 6309, 6310
Bearing life	L10 60,000 hours
Seal performance testing	Based on DIN 22112
Shaft sizes	35 mm-60 mm
Shaft material	EN 10277 (stainless steel available on request) Hollow shafts available for increased weight reduction up to 60% CEMA rating up to CEMA E7

