

*DRIVING
YOUR
PERFORMANCE.*



ROS 
RollenTechnik





LOAD-BEARING ROLLERS
p. 04 – 05



24-V MOTOR ROLLERS
p. 06 – 07



HEAVY LOAD ROLLERS
S. 08 – 09



POLYDIRECTIONAL ROLLERS
p. 10 – 11



SPECIAL SOLUTIONS
p. 12 – 13



SURFACES AND COATINGS
p. 14 – 15



DRIVEN AND CHAIN WHEELS
p. 16 – 17

GIVING IMPETUS.
KNOW-HOW AND INNOVATION
FOR INDUSTRY.

PACKAGING INDUSTRY

AGRICULTURE AND FARMING

FOOD AND DRINK INDUSTRY

CAR INDUSTRY

IRON AND STEEL INDUSTRY

PRINT AND PAPER INDUSTRY

WOOD PROCESSING

MINING INDUSTRY

INTRA-LOGISTICS

CHEMICALS AND PHARMACEUTICAL INDUSTRIES

RECYCLING AND WASTE MANAGEMENT INDUSTRY

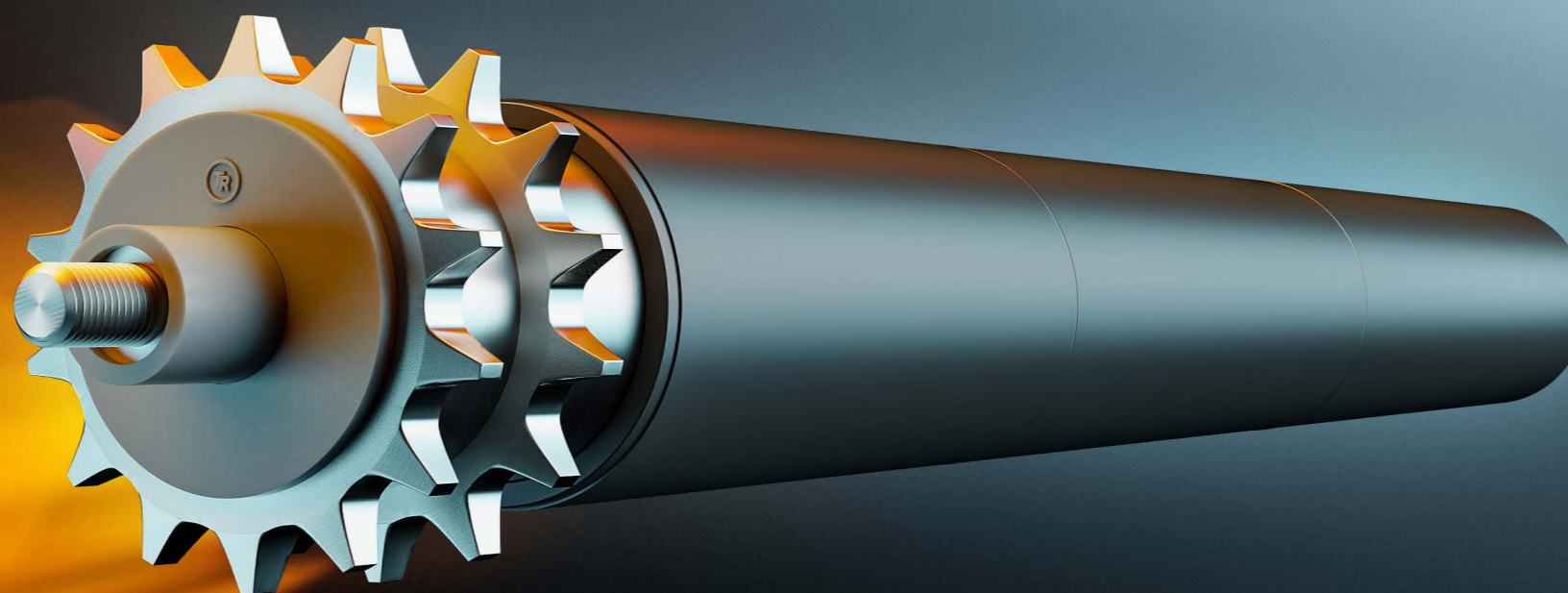
STONE INDUSTRY

CONVEYOR TECHNOLOGY AND MECHANICAL ENGINEERING

RECEIVING IMPETUS.
WE KNOW THE NEEDS OF PRODUCTION
BECAUSE WE LISTEN CAREFULLY.

ROS RollenTechnik is your specialist for developing and manufacturing rollers, polydirectional rollers, heavy load rollers, 24-volt technology and accessories. As the partner of the most varied sectors and industries over many years, we combine the highest product quality with strong, detailed consulting on an equal footing. Creating convincing solutions to make your flow of goods more efficient, high performance, cost-effective and safer. Whether with tailored products from our standard range or individual special solutions – together with you we'll find the optimal set-up for your process chain.

LOAD-BEARING ROLLERS



LOAD-BEARING ROLLERS

POWER. PRECISION. FLEXIBILITY.

Rollers from ROS RollenTechnik are the best choice for realising conveyor and goods flow systems. Alongside impeccable workmanship, this is due to the high degree of individualisation of our products. Their size, material and surface properties are adjusted exactly to the requirements made by the goods conveyed and by the customer. Which is how we succeed in developing conveyor solutions, even for particularly tough environments such as salt mines, that are unique in their throughput, robustness and durability.

Our customers also benefit from short delivery times for original spare parts, which we always have in stock if the worst comes to the worse. And on request we'll be pleased to produce spare parts for external systems on the basis of samples or technical drawings.

Driven rollers with double chain wheel, conical

SPECIFICATIONS

Loading capacity: up to 500 kg
 Tube-ø: 16 – 108 mm
 Lengths: 50 – 3000 mm

Higher loading capacities and additional diameters on request.
 Tube dimensions: cylindrical, conical

MATERIAL

Aluminium
 Stainless steel
 Plastic

Steel
 Galvanised steel

TYPE EXAMPLES



Load-bearing rollers
Gravity



Load-bearing rollers
Driven



Load-bearing rollers
Conical



Load-bearing rollers
Gravity, heavy load

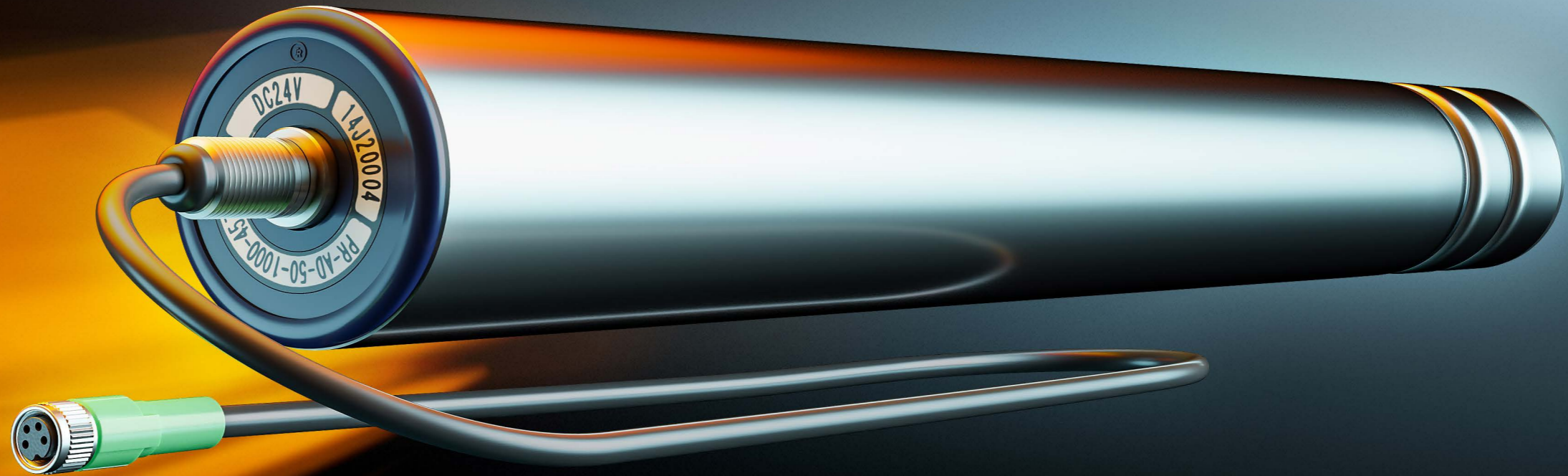


Load-bearing rollers
Driven, heavy load



Load-bearing rollers
Series 10.3

We'll be pleased to give you more product information about rollers on telephone number +49 2542 91886 - 0.



Senergy motor roller with two beads for round belts

24-V MOTOR ROLLERS ROLLERS FOR HIGH PERFORMERS.

The Senergy 24-volt motor roller will be a real boost for your production. It's the first load-bearing roller with brushless 24-V drive, which is connected via a four-pole M8 standard cable. It is certified according to UL and ETL, maintenance-free, energy-efficient and will win you over with its long life, making it particularly cost-effective.

You'll get the control systems from ROS RollenTechnik from one source – avoiding the unnecessary expense of your own programming. With ConveyLinx Ai2 or MotionLinx Ai an application system is tapped on the most compact assembly space, which extends from simple zero-pressure conveyor technology up to complex servo drive. The zero-pressure conveyor technology can be controlled with ConveyLinx Ai2 completely without SPS.

ConveyLinx Ai2 offers extensive diagnostics tools for the connected drives – for targeted, cost-saving plant maintenance.

We'll be pleased to give you more product information about 24-volt motor rollers on telephone number +49 2542 91886 - 0.

SPECIFICATIONS

Tube-ø: 50 mm / 60 mm
Tube dimensions: cylindrical

MATERIAL

Galvanised steel
Stainless steel

PROTECTION CLASS

IP54, IP66, IP69k

ACCESSORIES

POSSIBLE DRIVES

CONTROL



Fitting aid Poly-V



Bead/Bead head



e-qube Ai



ConveyLinx Ai2



Poly-V belts



Poly-V



MotionLinx Ai

HEAVY LOAD ROLLERS



Heavy load rollers for special applications

HEAVY LOAD ROLLERS MAXIMUM SUPPORT.

SPECIFICATIONS

Loading capacity: from 500 kg
Tube-ø: 88.9 – 245 mm
Lengths: up to 6000 mm

Internal/external bearings
Gravity and driven
Hardened and galvanised

MATERIAL

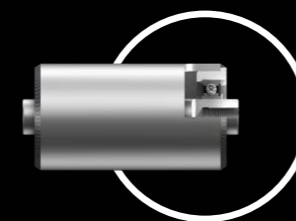
Steel S235
Stainless steel 1.4301
Others on request

Bright or turned,
galvanised, chrome, painted steel
Various coatings

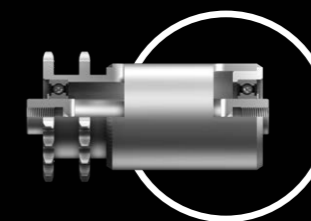
TYPE EXAMPLES

Operating environments for intralogistics systems can often be very challenging, and never more so than in the iron and steel industry. Very heavy loads need to be moved quickly, efficiently and safely here – and as part of a 24/7 industrial process. To meet these requirements, custom heavy load rollers are needed, whose design, dimensions and material strength make them capable of handling the heaviest of loads.

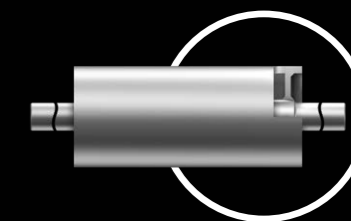
ROS RollenTechnik specialises in the customer- and application-specific design, development and production of heavy load rollers with internal or external bearings. From the initial idea and feasibility study to the final custom roller shipment, we provide our customers with an all-in-one service. Our rollers are tailor-made solutions that help to make your goods and material flows more efficient, more durable and more reliable. Extending the lifetimes of your intralogistics systems while simultaneously minimising your maintenance workload.



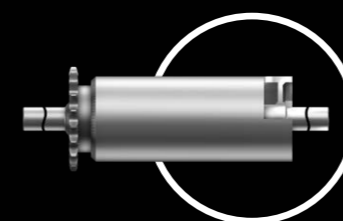
Heavy load roller
Internal bearings



Heavy load roller
Internal bearings/driven



Heavy load roller
External bearings



Heavy load roller
External bearings/driven

We'll be pleased to give you more product information about heavy load rollers on telephone number +49 9642 80 - 200.



80 series polydirectional rollers in polyamide design

POLYDIRECTIONAL ROLLERS

360° AT YOUR SERVICE.

As the inventor of the polydirectional roller, ROS RollenTechnik has proved its creative know-how, trusted by customers from the most varied sectors worldwide. As a robust and versatile module for smoothly distributing, transporting, turning and shifting, these rollers will optimise your material flow. And this success story is continuing. As a real innovation, we are presenting the polydirectional roller as a special solution in antistatic design. It allows safe use when handling sensitive electronics parts.

The polydirectional roller from ROS RollenTechnik – a real multi-talent for different weights, sizes and uses.

SPECIFICATIONS

Loading capacity: 10 – 120 kg
Rollers-ø: 40 – 120 mm

Barrel with bearings on stainless steel axle 1.4104

Antistatic designs and sizes on request

MATERIAL

Housing: Polyamide
Barrel rollers: Polyamide, Polyurethane (PU)

TYPE EXAMPLES



Polydirectional roller rail



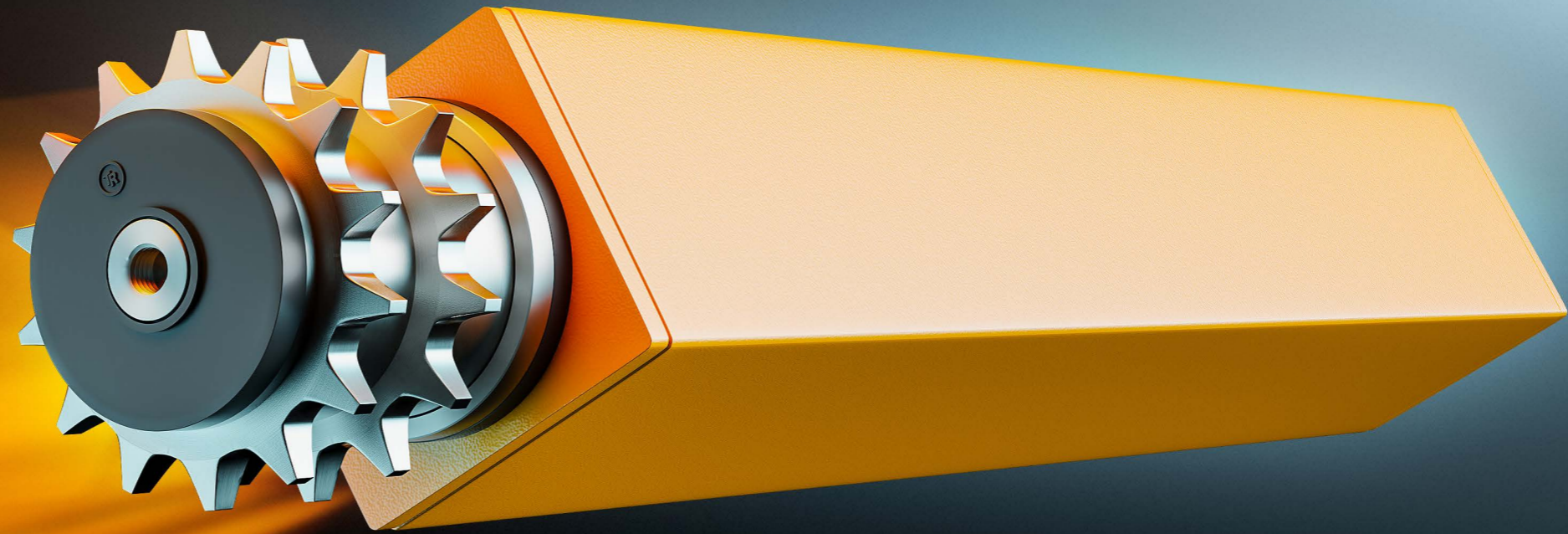
Polydirectional roller Gravity



Polydirectional roller Anti-static



Polydirectional roller Driven



Driven square roller with double chain wheel, powder-coated

SPECIAL SOLUTIONS EXCLUSIVELY FOR YOUR NEEDS.

Continuously innovating products and solutions is a decisive factor in conveyor technology. Because innovations are associated with competitive advantages for our customers, we have realised tailored solutions for decades, from the first idea up to the production-ready design of their special roller.

Our technical and creative know-how have no limits here. Our employees will stay in close contact with you during the entire development process in order to meet all the requirements as desired and in a particularly cost-effective manner.

The top position for
your corporate logo



Private labelling

Would you like to present your brand, and do so right into the conveyor technology module? At ROS RollenTechnik this is no problem at all. With a special print procedure we can apply your branding on plastic labyrinths – for a standard brand experience down to the smallest detail.



Drive gravity rollers with Poly-V drive head and PU hose

COATINGS AND SURFACES INDIVIDUAL.

The true efficiency of a conveyor system lies in the perfect coordination of the conveyor elements with what is being transported. In order to move particularly sensitive components, such as high gloss kitchen fronts, safely and quickly, special roller coatings are required. ROS RollenTechnik offers numerous special coatings for such special uses, which can be applied to the transport rollers. Whether made of plastic, textiles or with a treated surface – we offer you the entire bandwidth of possibilities for perfectly moving and comprehensively protecting your conveyed goods.

SPECIFICATIONS

Diameter: 16 – 108 mm, additional diameters and different hardnesses on request

MATERIAL

PVC
 Polyurethane (PU)

Both materials on request in anti-static; various finishes possible

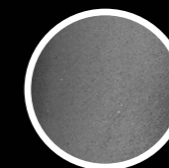
TYPE EXAMPLES



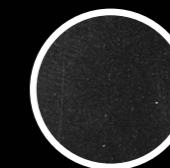
PVC hose



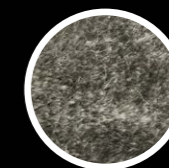
PU hose Natural



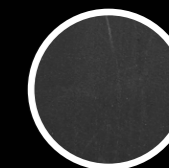
PU hose



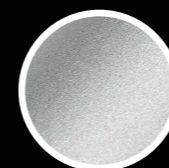
PU hose Anti-static



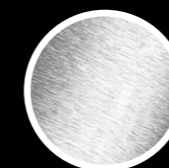
Textile hose



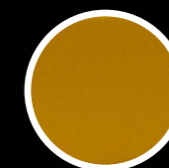
Polyolefin Shrink hose



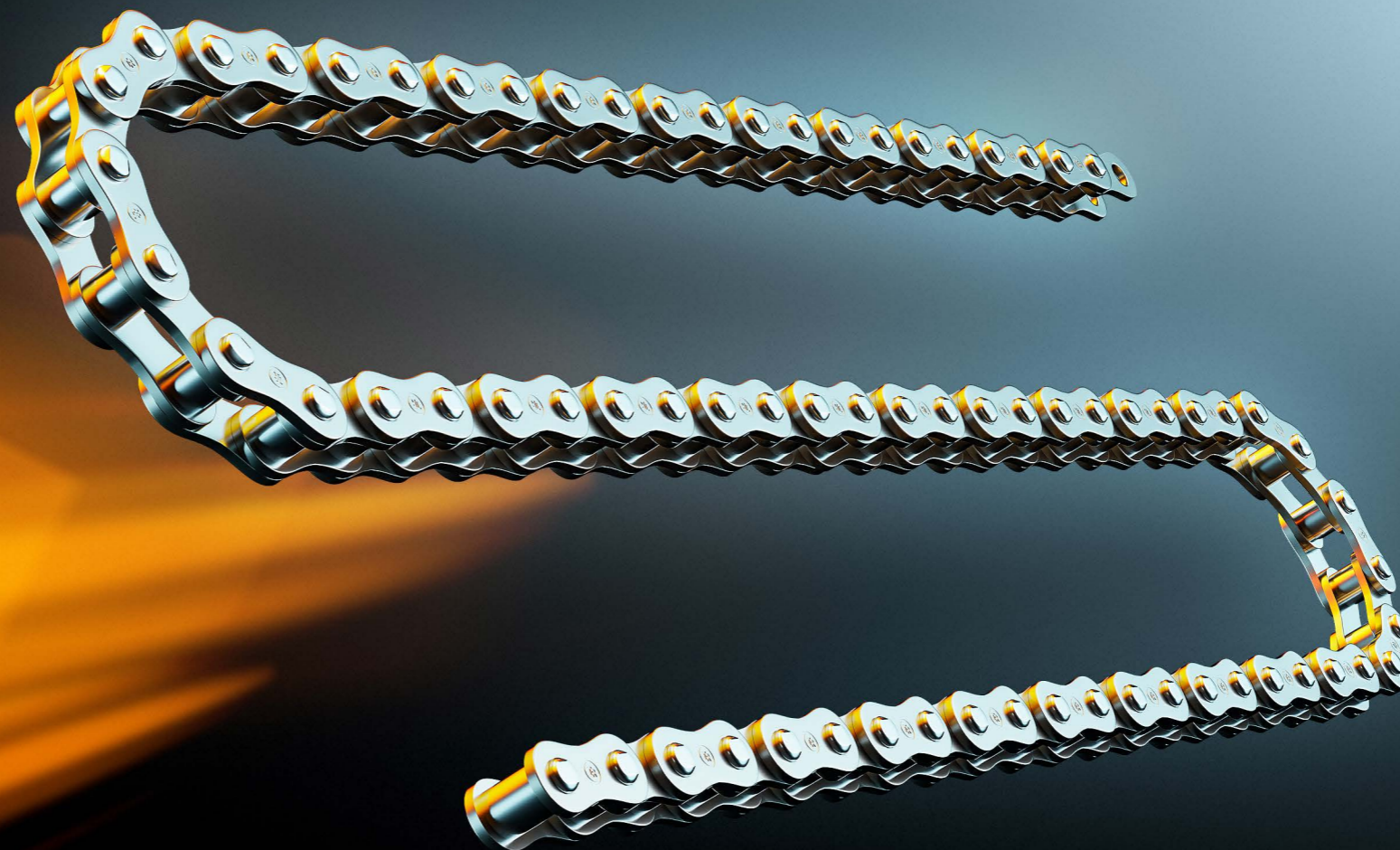
Aluminium tube Anodised



Stainless steel tube Sanded, polished



Tube Powder-coated Available in various RAL colours



Roller chain wheels 08B-1 DIN 8187

DRIVEN AND CHAIN WHEELS TAILORED.

At ROS RollenTechnik you'll get exactly the right chain and driven wheels to fit your transport rollers on request. We'll ensure that the material and design of every chain is exactly tailored to your purpose. So you'll make a big reduction in maintenance costs and gain high performance for your transport system long term. Whether by the metre or ready-to-assemble and enclosed: all the chain wheels supplied are produced in accordance with DIN ISO 606 (ex-DIN ISO 8187) and meet even the highest demands.

SPECIFICATIONS

Produced in accordance with DIN ISO 606
(ex-DIN ISO 8187)

MATERIAL

Steel
Stainless steel
Further materials on request

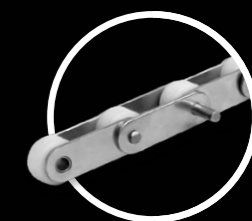
TYPE EXAMPLES



Roller chain wheels



Conveyor chain wheels



Special chain wheels

CLOSE TO OUR CUSTOMERS TWO LOCATIONS TO ENSURE TOP PERFORMANCE.



Our plant in Gescher

From standard to special solutions

In Gescher, we offer customers our complete range of standard load rollers and intralogistics accessories. Many of our products and genuine replacement parts can be shipped from stock. As well as our load roller portfolio, we also offer a large selection of polydirectional rollers and various models of 24 V motor rollers. And if we are unable to meet customer needs with products from our standard range, our experienced engineers and technicians are happy to help with the development and production of customer-specific, one-off solutions.



Our plant in Trabit

Custom solutions come as standard

Our south plant is located in Trabit, in Germany's Upper Palatinate. Here, we can offer over 50 years of seasoned experience, with a focus on developing custom load rollers and heavy load rollers. With our specialised expertise and manufacturing know-how, we're able to develop solutions for any industry that can achieve a level of quality, efficiency and durability that exceeds anything seen before on the market. In this way, we offer our customers technological solutions that deliver a decisive competitive advantage.

EXCELLENCE SINCE 1973

1973

www.ros.eu/en



Download product
catalogue here:

www.ros.eu/en/downloads

ROS RollenTechnik GmbH

North plant

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