

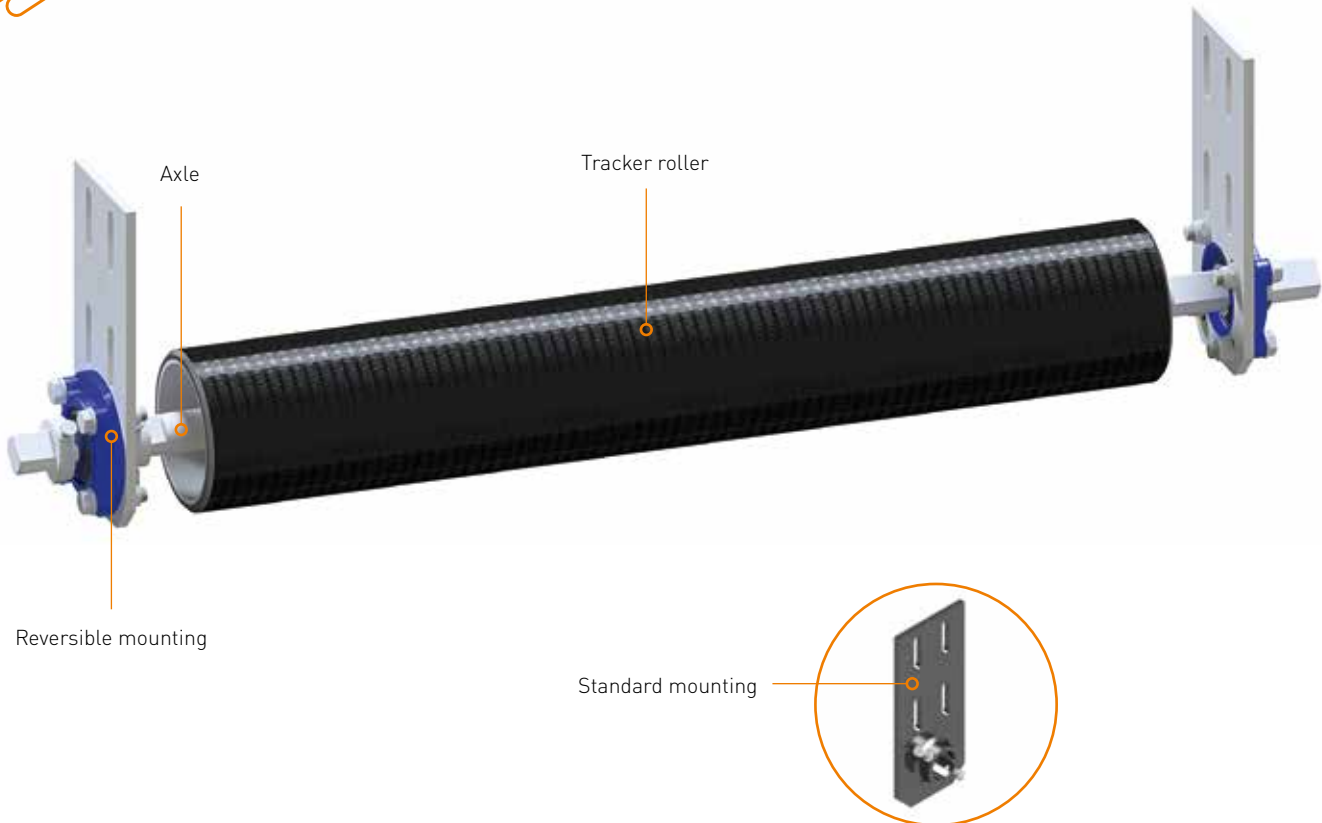


PRODUCTS
**TRACKER ROLLER
SYSTEMS**



TRACKER ROLLER SYSTEMS

RX1-SERIES



► TECHNICAL DATA

Data/Type	R1	RR1	RG1	RRG1
Belt width	400 – 1,200 mm		1,200 – 2,000 mm	
Belt speed	≤ 3.5 m/s			
Space requirement	175 mm (free space under the belt)		210 mm (free space under the belt)	
Installation position	In the lower belt area			
Operating mode	Normal operation	Reverse operation	Normal operation	Reverse operation
Height adjustment	Stepless, max. 55 mm			
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment			
Corrosion protection	Galvanized components, stainless steel screw connections			
ATEX approval	Yes, in special version			

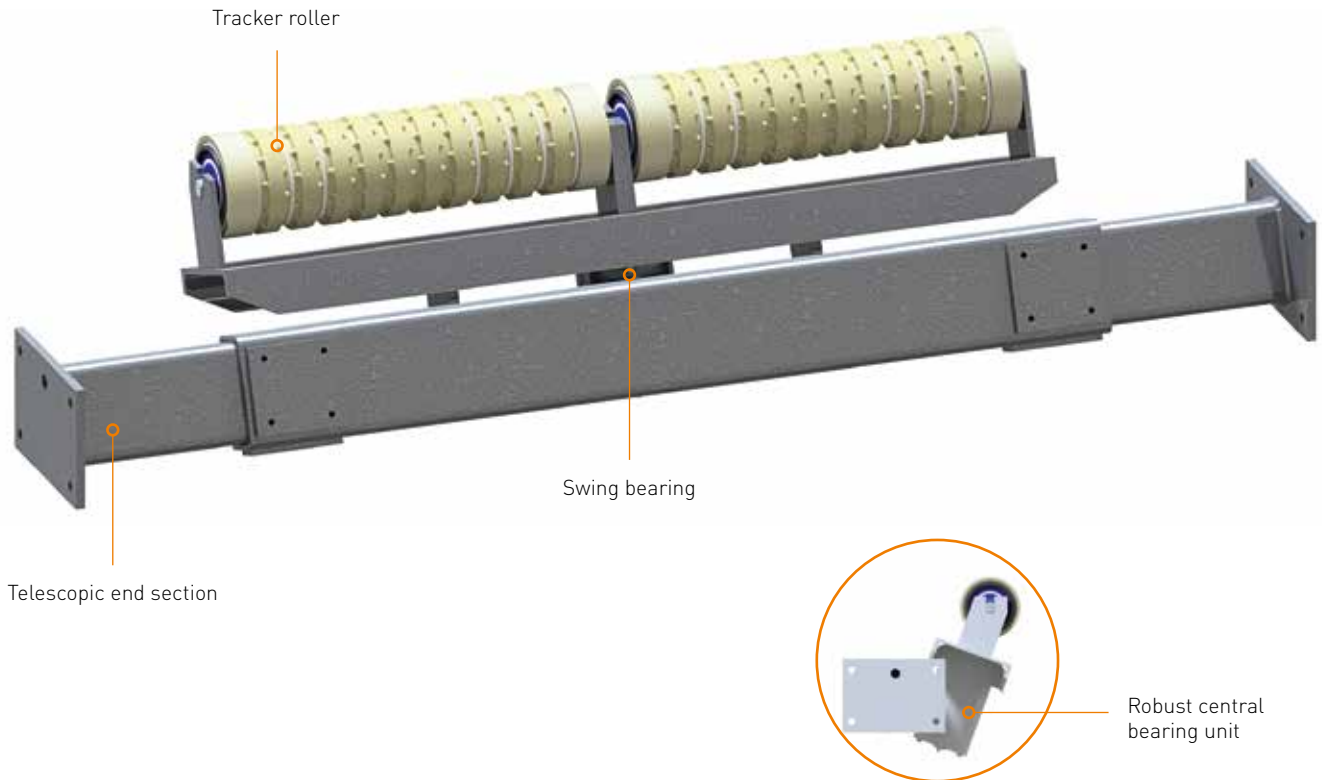
► SPECIAL FEATURES

- maintenance free
- durable components
- operational safety
- low space requirement, compact and robust design
- proven application technology
- minimal assembly effort
- also suitable for reverse operation, easy to retrofit



TRACKER ROLLER SYSTEMS

TYPE RG2



► TECHNICAL DATA

Data/Type	RG2
Belt width	1,200 – 2,400 mm
Belt speed	≤ 6.0 m/s
Space requirement	175 mm / 210 mm (free space under the belt)
Installation position	20° - inclined in the running direction of the lower belt
Operating mode	Normal operation (one belt direction)
Height adjustment	Stepless, max. 50 mm
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment
Corrosion protection	Galvanized components, stainless steel screw connections
ATEX approval	Yes, in special version

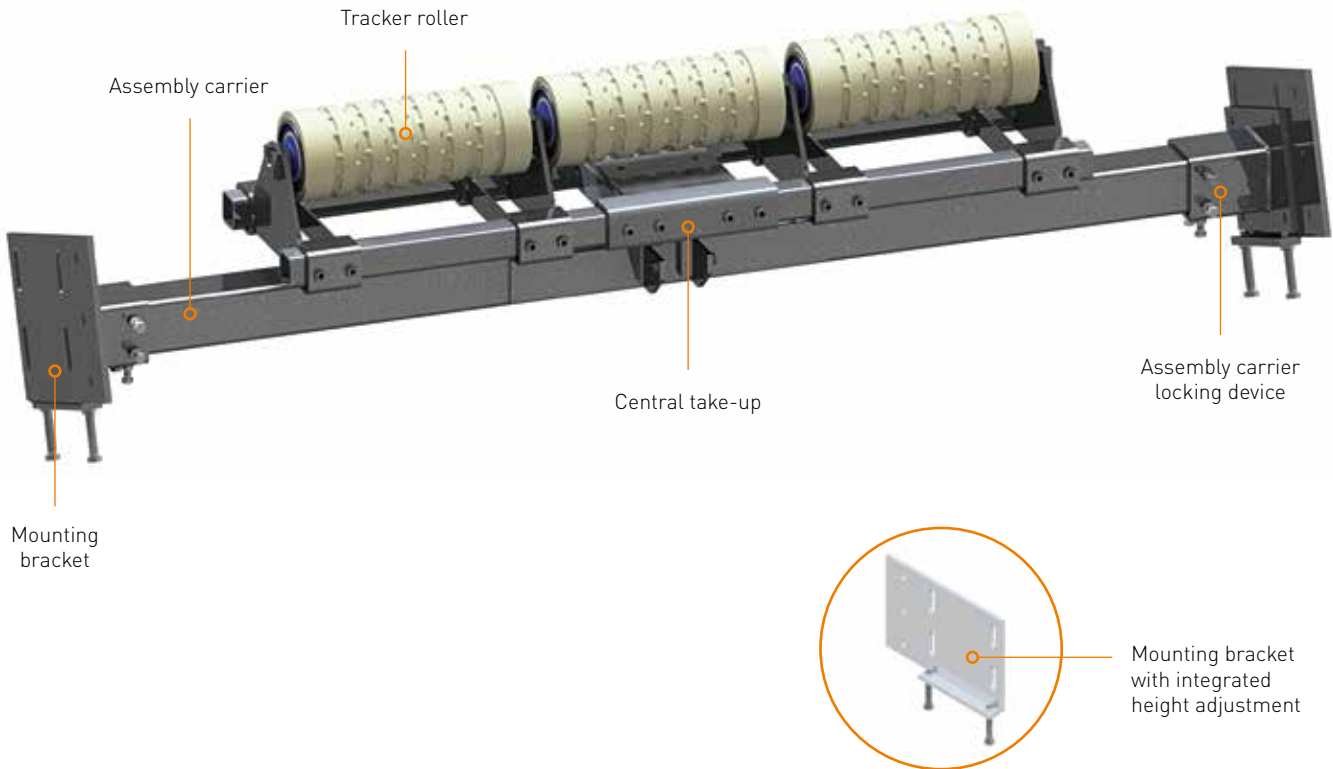
► SPECIAL FEATURES

- external centre bearing block fitted with high-quality radial and axial roller bearings
- heavy-duty assembly carrier with telescopic end sections for flexible adaptation to the conveyor structure
- roller crossbeam suitable for various belt widths and fitted with a swing angle limiter
- rubberized segment rollers with rolling bearings for insertion into the roller crossbeam
- basically maintenance-free



TRACKER ROLLER SYSTEMS

RC-SERIES

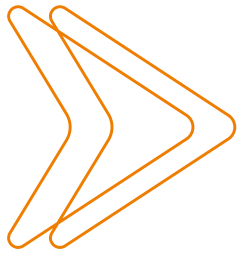


► TECHNICAL DATA

Data/Type	RC2	RC3
Belt width	1,200 – 1,600 mm	1,800 – 2,400 mm
Belt speed	≤ 6.0 m/s	
Space requirement	550 mm (free space under the belt)	570 mm (free space under the belt)
Installation position	20° - inclined in the running direction of the lower run	
Operating mode	Normal operation - one conveying direction	
Height adjustment	Stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	Galvanized components, stainless steel screw connections	
ATEX approval	Yes, in special version	

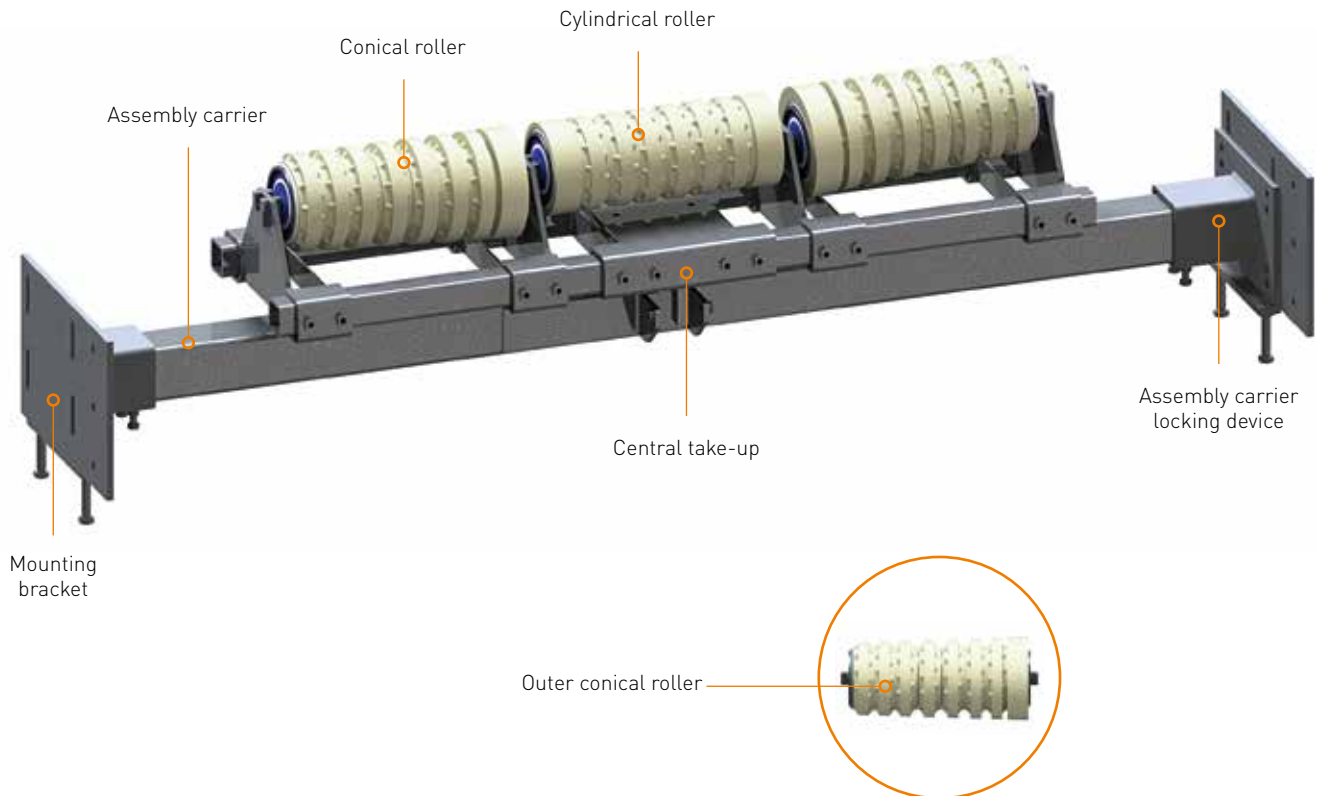
► SPECIAL FEATURES

- installation in the straight lower belt of the conveyor system
- special design for unrestricted normal operation
- suitable for heavy operating conditions
- easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- robust, torsion-resistant steel construction for heavy operating conditions
- roller crossbeam with sealed roller bearings guarantees smooth and fast response to belt misalignment
- simple and fast assembly due to modular design
- high-quality, maintenance-free single rollers with special sealing and rolling bearing units



TRACKER ROLLER SYSTEMS

RRC-SERIES



► TECHNICAL DATA

Data/Type	RRC2	RRC3
Belt width	1,200 – 1,600 mm	1,800 – 2,400 mm
Belt speed	≤ 6.0 m/s	
Space requirement	560 mm (free space under the belt)	580 mm (free space under the belt)
Installation position	90° - to the lower run	
Operating mode	Normal and reverse operation	
Height adjustment	Stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	Galvanized components, stainless steel screw connections	
ATEX approval	Yes, in special version	

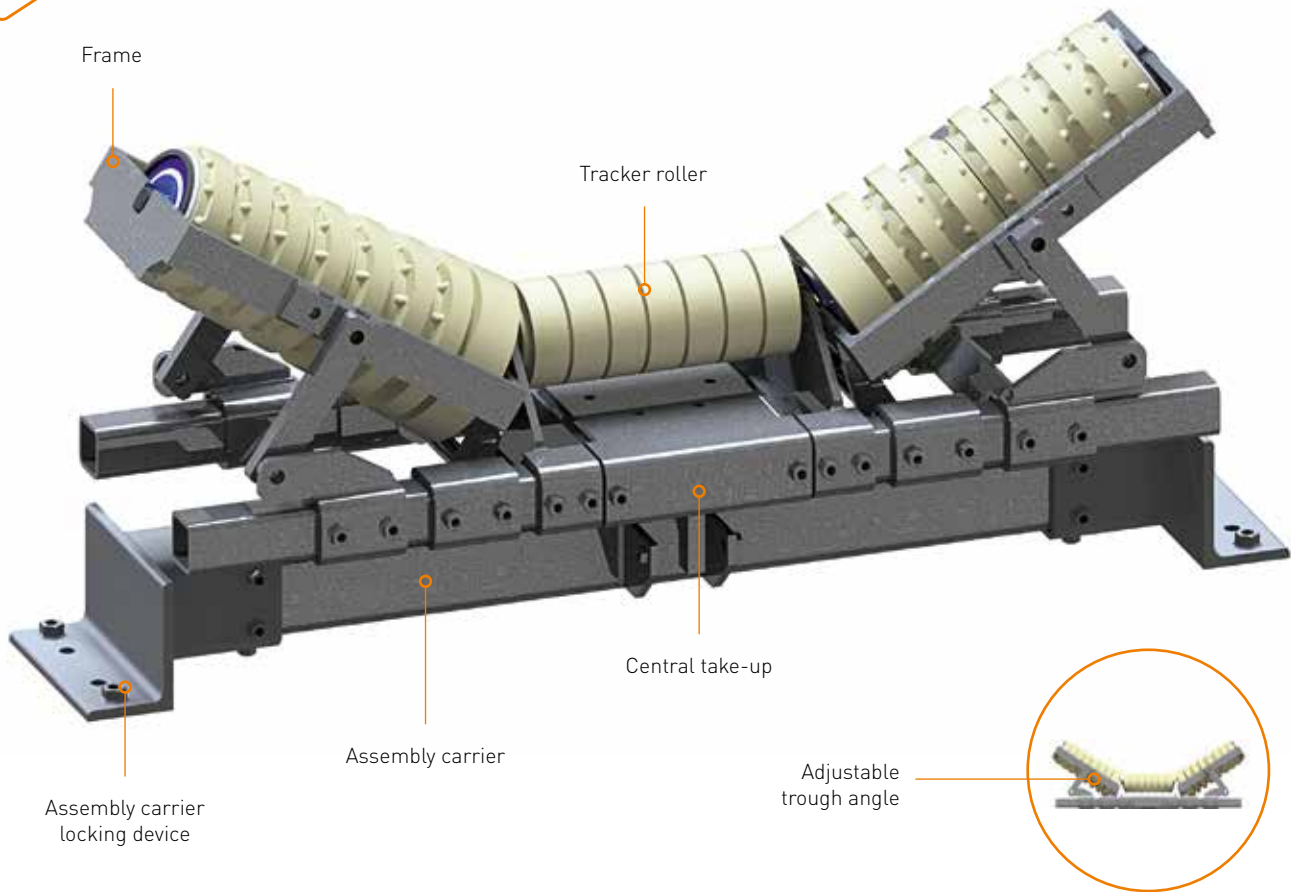
► SPECIAL FEATURES

- installation in the straight lower belt of the conveyor system
- special roller design for unrestricted reverse operation
- suitable for heavy operating conditions
- easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- sturdy, torsion-resistant steel construction for heavy operating conditions
- roller crossbeam with sealed roller bearings guarantees smooth and fast response to belt misalignment
- simple and fast assembly due to modular design
- high-quality, maintenance-free single rollers with special sealing and rolling bearing units



TRACKER ROLLER SYSTEMS

RRC-V-SERIES



► TECHNICAL DATA

Data/Type	RRC2-V	RRC3-V
Belt width	650 – 1,400 mm	1,600 – 2,000 mm
Belt speed	≤ 6.0 m/s	
Space requirement	400 mm (free space under the belt)	420 mm (free space under the belt)
Installation position	90° - to the belt in the upper run or to the scaffold construction	
Operating mode	Normal and reverse operation	
Height adjustment	Stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	Galvanized components, stainless steel screw connections	
ATEX approval	Yes, in special version	

► SPECIAL FEATURES

- installation in the trough lower belt of the conveyor system
- special roller design for unrestricted reverse operation
- suitable for heavy operating conditions
- easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- robust, torsion-resistant steel construction for heavy operating conditions
- roller crossbeam with sealed roller bearings guarantees smooth and fast response to belt misalignment
- simple and fast assembly due to modular design
- high-quality, maintenance-free single rollers with special sealing and rolling bearing units

TRACKER ROLLER SYSTEMS

In addition to belt cleaning, preventing belt mistracking is the greatest challenge for a trouble-free operation of a conveyor belt system.

Belt misalignment is caused by the deflection of the belt transverse to the conveying direction, which leads to operational shutdowns as well as damage to the conveyor belt and other machine parts.

The combination of effective belt cleaning with professional use of belt tracking units guarantees continuous operational reliability.

For this purpose, **HOSCH** offers a wide range of tracker roller systems for belt widths of up to 2,400 mm and speeds of maximum 6 m/s, for both the top and return strand.

► YOUR ADVANTAGES

- Benefit from the numerous, individual application possibilities of the **HOSCH** tracker rollers.
- Select the drum cover tailored to your needs
- The very robust construction and use of high quality components provide you with long-lasting functionality
- Use in hazardous area possible

RX1-SERIES

The **HOSCH** tracker rollers of the type R(R)1/R(R)G1 are used in the lower belt area for the correction of belt misalignments for light to medium-heavy cases. The tracker roller for normal operation is the type R1/RG1 and for reverse operation the type RR1/RRG1. Installation is at right angle to the direction of belt travel and the tracker roller is pressed against the running conveyor belt with defined pretension. With belt misalignment the centre of gravity of the conveyor belt shifts on the tracker roller. This causes the roller to tilt downwards and in the direction of the conveyor belt. As a result, a frictional force is created which pushes the belt back to the centre of the belt stand. The tracker roller can be supplied with different axle lengths and roller lengths according to the belt and scaffold width. Different rubber friction lagging are available depending on requirements.

TYPE RG2

The **HOSCH** tracker roller type RG2 is also designed for the lower belt area. In heavy duty conditions, a particularly robust design of the tracker roller system is necessary to be able to transmit the required high steering forces. Unlike the conventional tracker rollers, a rigid central take-up with a separate, robust central bearing unit is used. For flexible adjustment to different scaffold widths, the crossbeam of the type RG2 is equipped with telescopic end sections. Depending on the belt width, the RG2 is equipped with two or three high-quality and low-wear rollers.

RC-SERIES

The **HOSCH** tracker roller system of the RC2/RC3-Series is specially designed for normal operation (one conveying direction). As for the tracker roller system type RG2, several rollers are used on a crossbeam. A special feature of the RC2/RC3-Series is its modular design. All components are pluggable and can be adapted to the existing framework on site. The stable straight running of the conveyor belt that can be achieved with the tracker roller system increases operational safety and system availability significantly. It also increases the service life of the belt and the system components.

RRC-SERIES

The **HOSCH** tracker roller system of the RRC2/RRC3-Series offers the possibility to counteract belt misalignment in the lower run, even with changing conveying direction (reverse operation), due to its special design with laterally arranged conical rollers. The outer conical rollers create frictional forces on the side to which the belt runs out of line. This leads to the crossbeam swinging out. The inclined position of the crossbeam in turn gives rise to friction forces, which counteract belt misalignment.

RRC-V-SERIES

The **HOSCH** tracker roller system type RRC2-V/RRC3-V can be used to counteract belt misalignment in the upper and lower run of a conveyor system. It corresponds to the functional principle of the RRC2/3-Series. To adapt to the troughed belt, the inclination of the outer conical rollers can be adjusted in steps of 20° to 45°. The tracker roller system can be used either in normal or reverse operation.

THE HOSCH DIFFERENCE.

Permanent contact of the scraper edge to the conveyor belt, long service life due to the selection of the best materials, and research & development work at the highest level. The functionality of **HOSCH** products has many faces. The flexible **HOSCH** modular system allows a variety of individual solutions tailored to your plant.

Consultations, installations and maintenance are carried out by the experienced **HOSCH** Customer & Service Team. In this way, we guarantee you maximum performance over a long period of time.

We offer you this "ALL-ROUND CAREFREE PACKAGE" worldwide.

We are not afraid of any comparison. For this reason, we have developed our own comparative measurement, with which we can measure the performance of different cleaning systems together with you. The so-called carryback measurement has become the industry standard. You don't just see which savings opportunities are available to you on paper but directly on the system at the relevant conveyor belt. Do not hesitate to compare us with other suppliers. Contact us and convince yourself of the **HOSCH** difference.



Please visit our website
www.hosch-international.com
and discover more about us.



A **HOSCH** employee is always near you.
Get in contact with us, and we will come to you - no matter where you are.

OUR SERVICES FOR YOU:

- technical analysis of your belt conveyor systems
- Selection of suitable belt cleaning and belt tracking systems, etc.
- CAD-supported installation planning
- Installation, commissioning and maintenance of **HOSCH** systems
- support the operation of your equipment by maintaining belt plans and maintenance statistics
- Spare and wear parts management
- Development of cost-saving potentials
- Measurements and business analysis by utilizing carryback measurement



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Various options for our scrapers/
pre-scrapers expand our product range.
In this way we can optimally adapt your
HOSCH scraper to your plant. Your
responsible **HOSCH** engineer will be
happy to advise you.