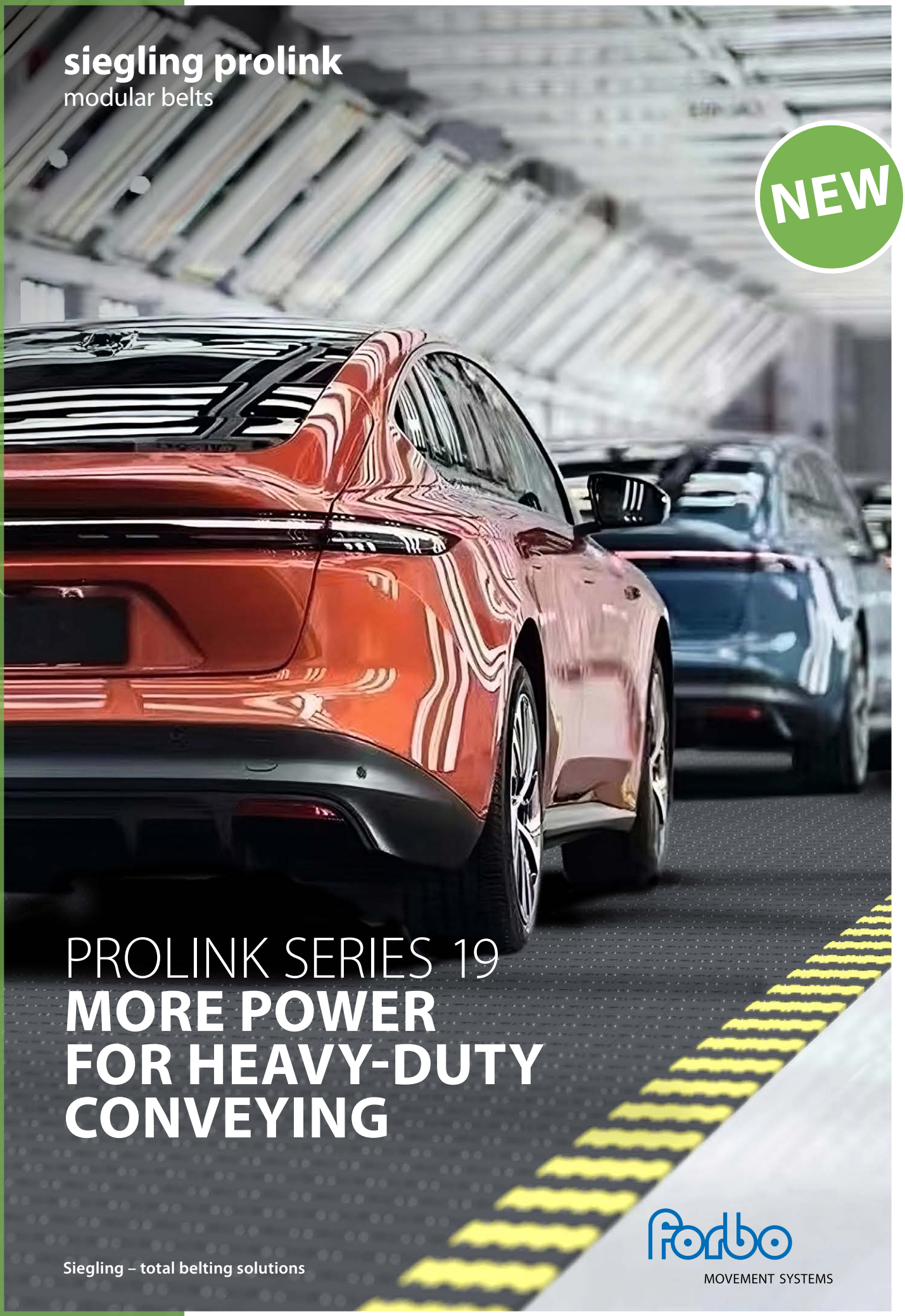
siegling prolink
modular belts

NEW



PROLINK SERIES 19
MORE POWER FOR HEAVY-DUTY CONVEYING

Siegling – total belting solutions

forbo
MOVEMENT SYSTEMS

PROLINK SERIES 19
MORE POWER FOR HEAVY-DUTY CONVEYING

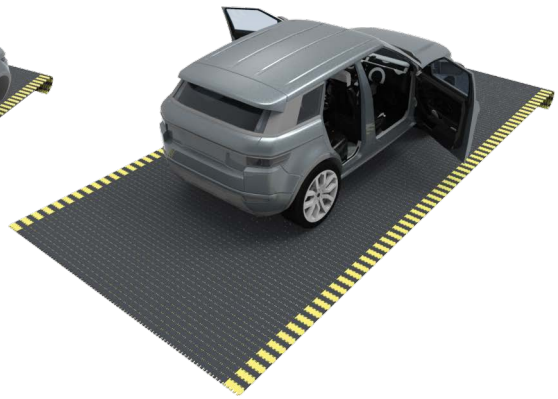
Wherever reinforced rubber belts and hinge plates are good, Prolink is often even better. Thanks to its hybrid design with integrated steel skeleton, the new Prolink Series 19 is robust, durable and has enormous tensile strength. These factors make it an economical alternative for applications ranging from skid conveying to end-of-line inspections and other heavy-duty use cases.

Advantages:

- **Longer conveyors and heavier loads.** The steel skeleton means the belt's tensile strength surpasses that of conventional plastic modular belts by quite some margin.
- **Reliable, low-maintenance operation.** The steel skeleton ensures low belt elongation; belt tension and performance remain constant. Retrofits and repairs are particularly easy.
- **Long service life.** Tooth engagement, as well as the designs of the belt and sprockets, stand apart for minimal wear. What's more, the steel skeleton protects the plastic modules from excessive wear.
- **Low running costs.** Series 19 belts are lightweight and low friction. Their steel skeletons adapt to the load in a weight-saving manner, therefore minimizing power requirements.

Prolink series 19 for skid conveying

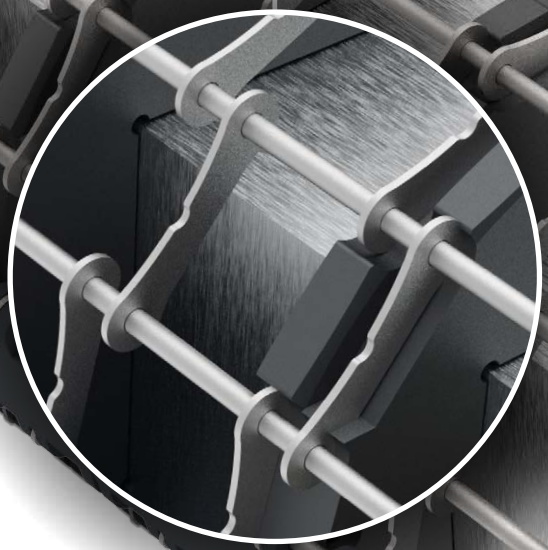
… for final assembly/end-of-line inspections



PROLINK SERIES 19
WITH TENSILE FORCE TO MATCH

Solid steel skeleton
For reliable power transmission

- Exceptional rigidity and smooth tracking due to 8 mm Ø hinge pins
- Outstanding corrosion resistance thanks to austenitic stainless steel

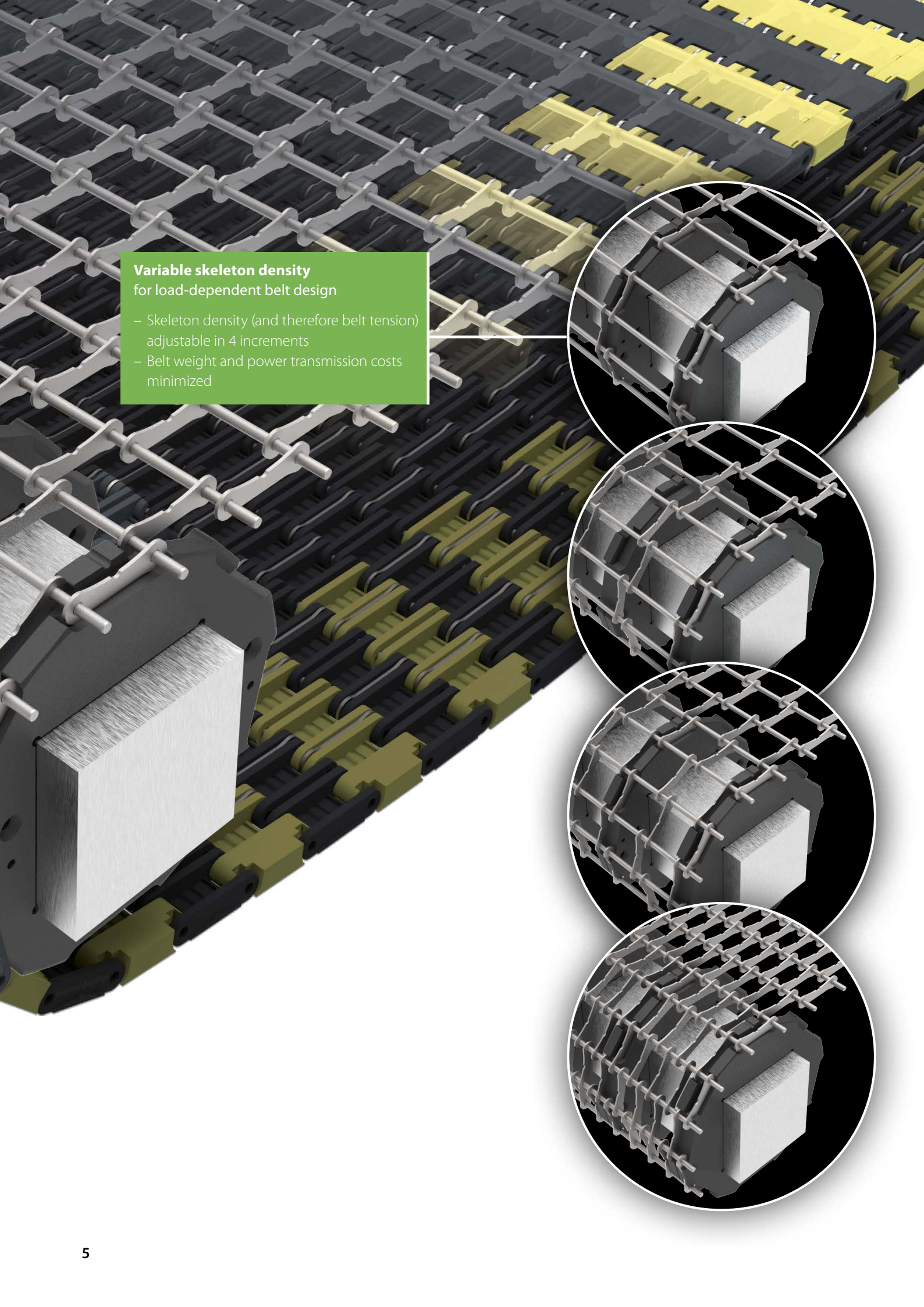


From conveying compact cars to trucks, series 19 offers tensile force to suit the task: Each belt is fitted with steel links and sprockets in the required density. As a result, we can achieve perfect belt tension and prevent unnecessarily heavy belts.

Generously sized components ensure reliable power transmission from the drive shaft to the items conveyed.

Innovative sprocket design
for better power transmission

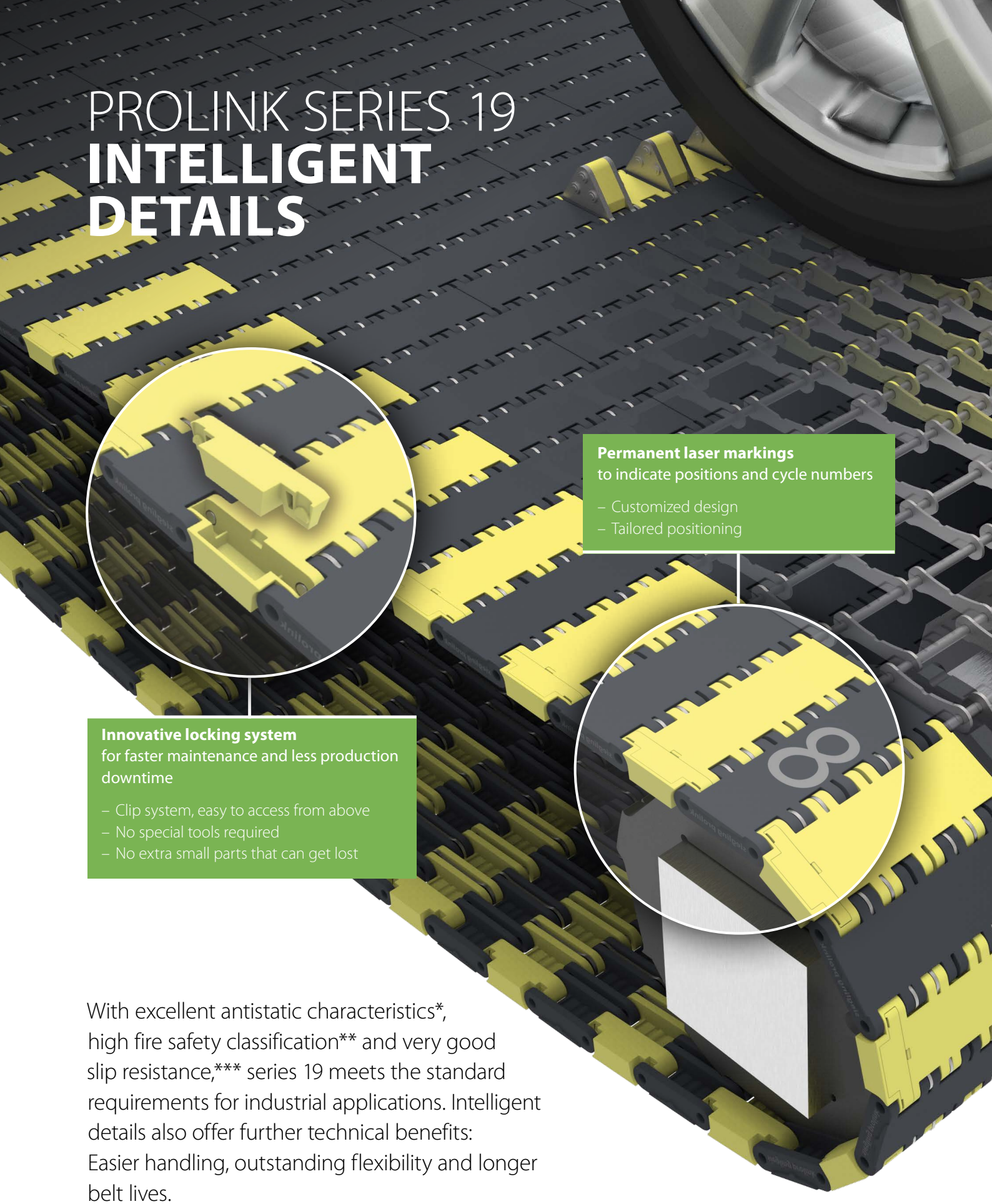
- Solid design with outstanding resistance to wear
- Reliable force transmission via compressive forces
- Split design for easy assembly possible



Variable skeleton density
for load-dependent belt design

- Skeleton density (and therefore belt tension) adjustable in 4 increments
- Belt weight and power transmission costs minimized

PROLINK SERIES 19
INTELLIGENT DETAILS



Permanent laser markings
to indicate positions and cycle numbers

- Customized design
- Tailored positioning

Innovative locking system
for faster maintenance and less production downtime

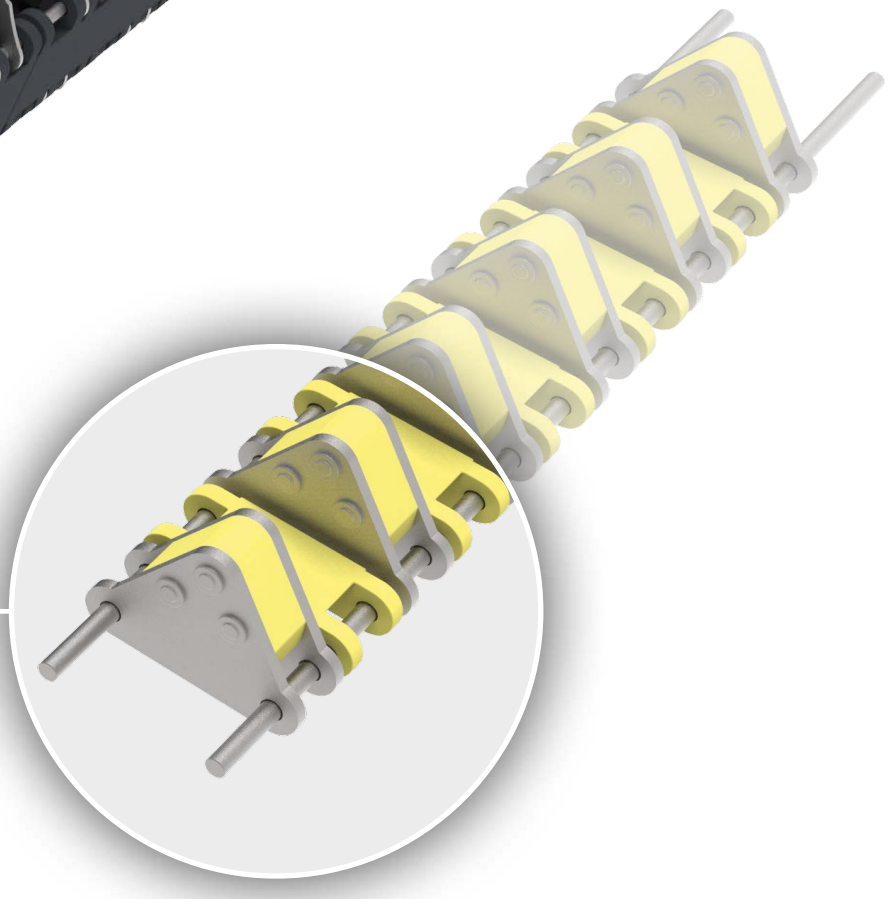
- Clip system, easy to access from above
- No special tools required
- No extra small parts that can get lost

With excellent antistatic characteristics*, high fire safety classification** and very good slip resistance,*** series 19 meets the standard requirements for industrial applications. Intelligent details also offer further technical benefits: Easier handling, outstanding flexibility and longer belt lives.

* compliant with DIN EN 61340-4-5
** compliant with DIN EN 13501 : B_{fl}-S1
*** compliant with DIN EN 16165 : R10

Protectors
to minimize belt wear

- To fit to wheel contact areas and other much-used areas of the belt
- To increase the contact area with heavy-duty material
- With an integrated scale to monitor belt condition



Adjustable wheel stoppers
for secure grip

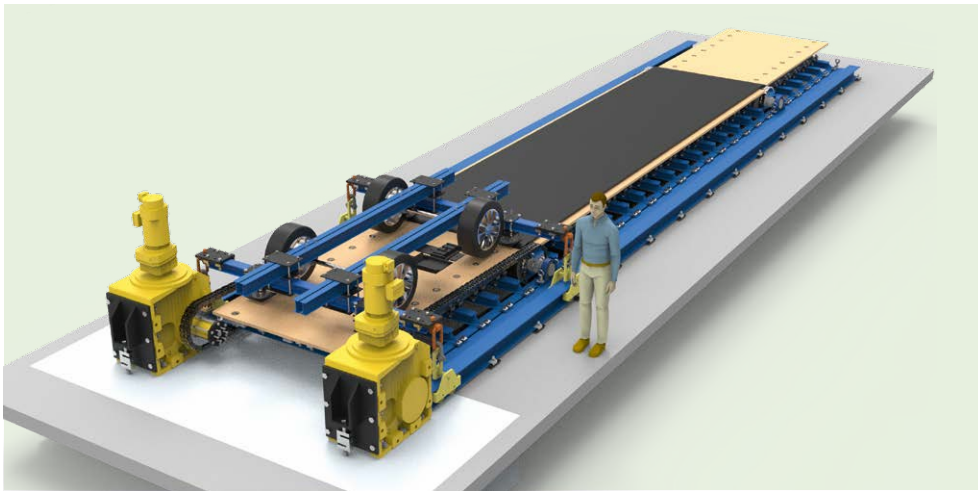
- Custom adjustable (in terms of form, height and angle)
- Tailored positioning
- Very strong because directly connected to the hinge pins

PROLINK SERIES 19

EXTREMELY TOUGH AND TESTED FOR DURABILITY

Under real-world conditions, Prolink series 19 excelled from the start.
Its performance isn't just down to its sophisticated design, but also to the many tweaks during the painstaking development phase.

But calculations and simulations are no substitute for practical experience. Which is why, from the pilot series onward, Forbo inspects all belts for the automotive sector on a test rig that simulates the toughest of applications. It's here that Forbo tests and improves handling, load capacity and durability. Sophisticated belt designs, which prove themselves in the real world time and again, are the upshot.



On the left:
Prolink test rig for automotive applications

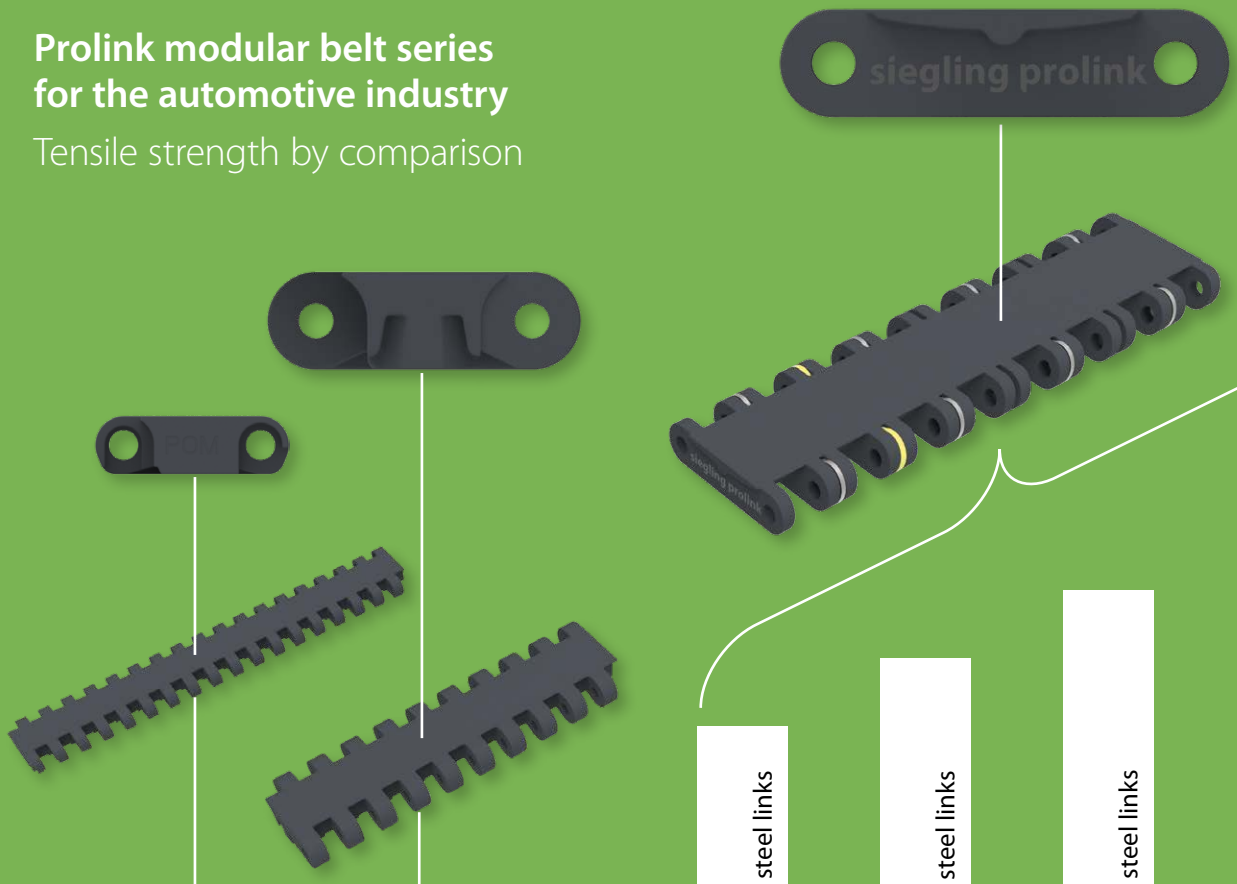
Dimensions	[mm]:	2800 x 14000
Belt width max.	[mm]:	2000
Load max.	[t]:	40

Conducting short and long tests to improve belts.

Below:
Set of wheels to simulate a car. Hydraulic cylinders can modify the belt load as required.

Prolink modular belt series for the automotive industry

Tensile strength by comparison



Tensile strength

Prolink series 8 POM/hinge pin PBT

Prolink series 7 POM with steel hinge pin

Prolink series 19 POM with steel hinge pin and 25% fitting with steel links

Prolink series 19 POM with steel hinge pin and 33% fitting with steel links

Prolink series 19 POM with steel hinge pin and 50% fitting with steel links

Prolink series 19 POM with steel hinge pin and full fitting with steel links

Series 8

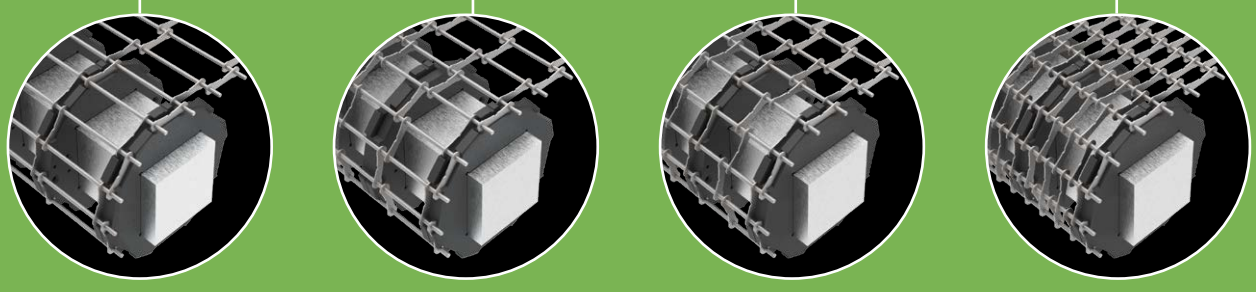
Application
worker belts

Series 7

Applications
worker belts,
skid conveying,
end-of-line vehicle testing …

Series 19

Applications: e.g. worker belts,
skid conveying, assembly lines, end-of-line
vehicle inspections and other heavy-duty areas

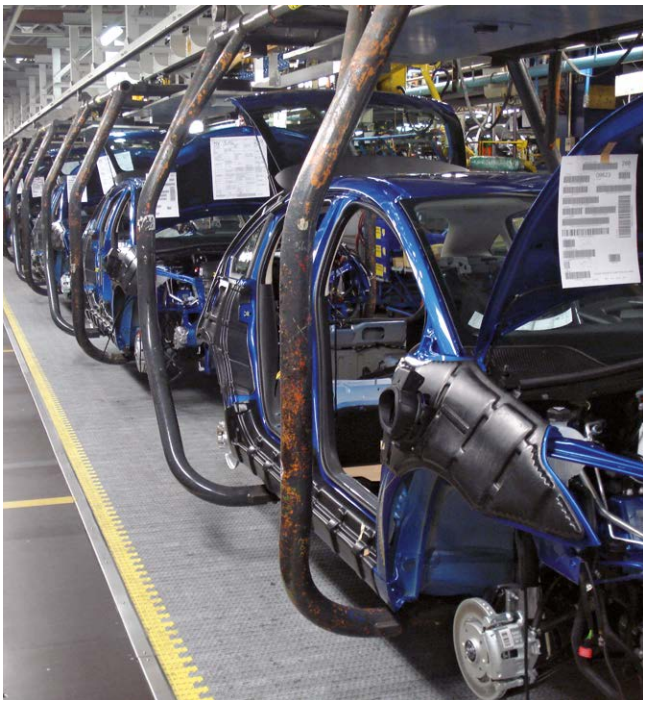


FORBO MOVEMENT SYSTEMS **AUTOMOTIVE INDUSTRY EXPERTS**

At Forbo, we know all about the automotive industry's requirements. Our collaborations with this industry have earned us a good reputation as an engineering partner with top quality and service standards. Our products, fabric-based plastic belts and plastic modular belts, have had a good track record in multiple applications belonging to that industry for decades.

We consistently add to and optimize the product range for these applications. The latest new development: Prolink series 19, the innovative hybrid conveyor belt, custom developed for heavy-duty applications in the automotive industry.

The combination of wear-resistant plastic with an integrated metal skeleton makes the 19 series destined to improve tasks ranging from skid conveying to end-of-line inspections.



Are you ready for the next generation of material conveying?

Contact us for a demo and more information about Prolink series 19. We'd be delighted to advise you on all aspects of using the belt and explain how series 19 can enhance your material flow.

Contact

Siegling – total belting solutions

Committed staff, quality oriented organization and production processes ensure the constantly high standards of our products and services.

Forbo Movement Systems complies with total quality management principles. Our quality management system has ISO 9001 certification at all production and fabrication sites. What's more, many sites have ISO 14001 environmental management certification.

Our service – anytime, anywhere

Forbo Movement Systems employs around 2,500 people in its group of companies. Our products are manufactured in ten production facilities across the world.
You can find companies and agencies with warehouses and workshops in over 80 countries.
Service points are located in more than 300 places worldwide.

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