



Superior Clamping and Gripping



Universal Swivel Unit SRM

The pneumatic swivel unit with the greatest power density on the market

Universal Swivel Unit SRM

Highest Power Density! Easy Commissioning. Maximum Modularity.

The right choice for all requirements.

The pneumatic SCHUNK universal swivel unit SRM means more power, greater modularity and greater economy in production automation. Specially developed, inner shock absorbers ensure maximum performance in the smallest space. The especially large center bore for feed-through of various media and a unique setup enable tailored, highly efficient solutions.



Use the Benefits:

Robust and durable

- Robust flange connection
- High load and torque absorption due to the lack of play in the pre-loaded bearing of the pinion
- High-quality FKM seals with high resilience and long service life

Maximum performance

- Unique combination of high torque and increased mass moment of inertia with short swivel times
- High power density with compact design
- Up to 25% increased torque due to bigger pitch circle of the pinion

Easy commissioning

- Preset damper stroke, therefore the customer must only adjust the air throttles
- Large center bore for simple feed-through of pneumatic supply lines and electric standard cables
- For the electrical media feed-through, the sensor cables can be inserted directly. The color-coding of the plug connectors simplifies the signal allocation

Modular diversity

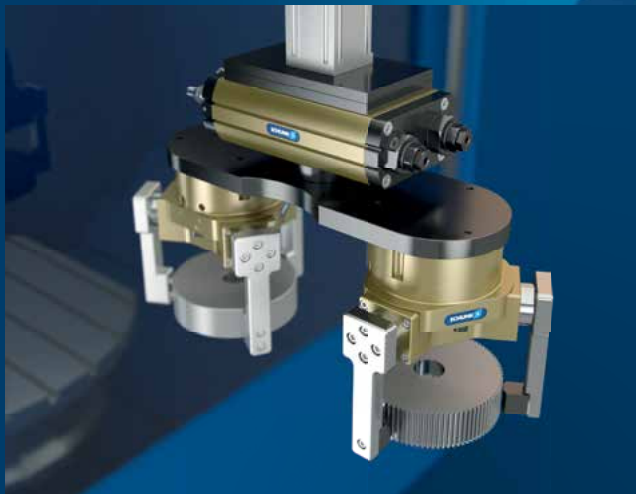
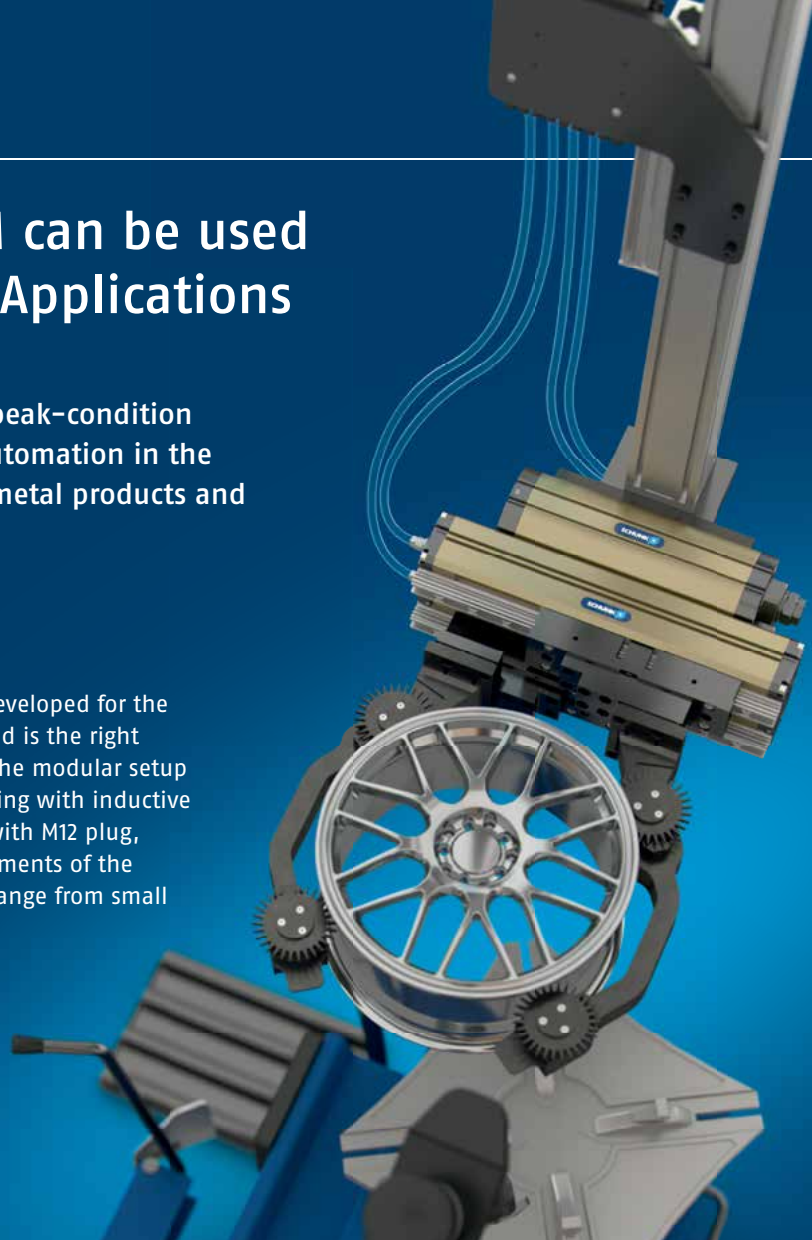
- Any design of the SRM with either air feed-through MDF or electrical feed-through EDF for individual use
- Reliable feed-through of compressed air or electrical signals to the actuator
- Simple maintenance and exchange of wearing parts due to the modular design

The Swivel Unit SRM can be used in a wide Range of Applications

The SCHUNK swivel unit SRM is the peak-condition endurance expert for production automation in the automotive industry, in cutting of metal products and in assembly and handling.

Automotive Industry

The SCHUNK swivel unit SRM was specially developed for the requirements of the automotive industry and is the right solution for all swivel applications. Due to the modular setup and the numerous options like the monitoring with inductive sensors or the electrical feed-through EDF with M12 plug, it is optimally designed to meet the requirements of the automotive industry and covers the entire range from small to heavy workpieces.



Metal cutting

In machine tools, swivel units are frequently used with double grippers for simultaneous loading and unloading. The SCHUNK swivel unit SRM is also ideal for use in the machine room due to its robustness with high-quality components like standard FKM seals. Another plus is the media feed-through, by means of which grippers or other actuators can be supplied with compressed air to a high degree of process reliability.

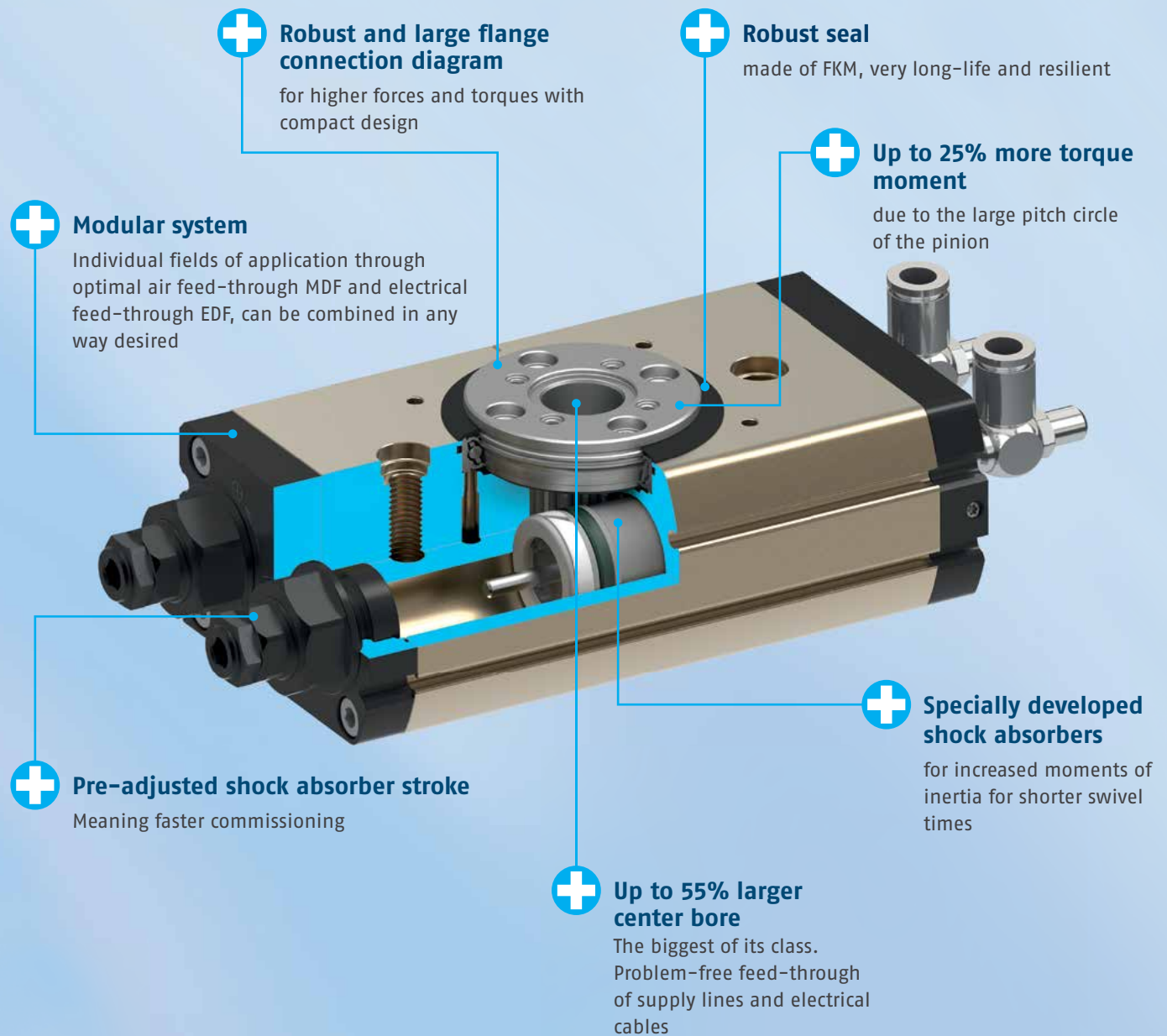


Handling and assembly

For assembly automation and handling, the small sizes of the SCHUNK swivel unit SRM are optimally suitable. In order to ensure the right solution for every application in assembly automation, three shock absorber variants (hydraulic, elastomer and external shock absorbers) are available.

The new Benchmark on the Market!

The pneumatic SCHUNK Universal Swivel Unit SRM.



Technical Data



Size
14 .. 40



Weight
0.4 .. 9.7 kg



Swivel angle
0° .. 180°
(Variant 90°)



Torque
1 .. 23.7 Nm



Moment of inertia
7 kgm²

Modular Design for the Swivel Unit SRM

Perfectly attuned for the individual Application.

The SCHUNK swivel unit SRM has a consistently modular structure ensuring the customized unit for every application case with numerous combinable modular options. For this SCHUNK provides an air feed-through MDF for feeding of compressed air, gases or a vacuum and an electrical feed-through EDF for safe feeding of sensor and actuator signals.



Air feed-through MDF

- 4-fold optional air feed-through
- Direct air supply of the actuators
- Increased reliability and better performance



Electrical feed-through EDF

- Optionally with up to 16 sensor signals
- Simple integration of sensor systems without the risk of cable breakage
- Connector sizes M8 and M12 available
- Color-coded connectors for easier commissioning



Combination of electrical feed-through EDF and air feed-through MDF

- To supply pneumatic and electrical actuators and the feed-through of electrical sensor signals
- Can be combined in a modular form without additional components
- Simple maintenance of the individual attachment modules



Mounting kit for monitoring with inductive sensors

- Safe monitoring, also without magnetic switch
- can be combined directly with other options
- Simple exchange and adjustment of the sensors by means of clamping screw on the side



Benefit from the SCHUNK Modular System with over 4,000 Standard Components.

For every robot, for every industry, for every handling task.



J. Lehmann

Jens Lehmann, German goalkeeper legend,
SCHUNK brand ambassador since 2012
for safe, precise gripping and holding.
schunk.com/lehmann