



1945 - 2015

70 Years

Superior Clamping and Gripping



## Explosion Protection in the SCHUNK Premium Modules

ATEX certified  
with Coating



## Explosion Protection included. Safety meets high Quality.



As a competence leader in clamping technology and gripping systems, SCHUNK offers its premium products with ATEX certification for explosion hazard zones.

### Set on maximum safety.

- All the SCHUNK premium series are coated and are available in the explosion-protected version complying with guideline 94/9/EG.
- Specially designed for use in potentially explosive areas, such as gas and dust atmospheres.

## Benefit from Explosion Protection in:



### PGN-plus 2-finger parallel gripper

The unique gripper with multi-tooth guidance. High-precision handling, higher maximum moments, higher gripping forces.



### PZN-plus sealed 3-finger centric gripper

The all-rounder. As the PGN-plus with a highly modular structure for various requirements.



### DPG-plus sealed 2-finger parallel gripper

Proven a thousand times in everyday industrial use.



### DPZ-plus sealed 3-finger centric gripper

The expert in harsh environments. As the DPG-plus it is reliable under difficult conditions.



### SRU-plus universal rotary module

Efficient rotary module with the highest positioning accuracy on the market.



Wood machining



Casting and welding



Tool machining



Surface machining



Painting

**Zone categories of the SCHUNK products**

**Device group II, category 2, gas**

- PGN-plus 2-finger parallel gripper
- PZN-plus 3-finger centric gripper
- SRU-plus universal rotary unit

**Device group II, category 2, gas / dust**

- DPG-plus sealed 2-finger parallel gripper
- DPZ-plus sealed 3-finger centric gripper

**General information**

ATEX stands for the French abbreviation of "Atmosphère explosive", and is used as a synonym for the two guidelines of the European Community for explosion protection: The ATEX Product Guideline 94/9/EG and the ATEX Operating Directive 1999/92/EG.

This involves areas where the local or operational conditions result in potentially explosive atmospheres, such as the machining of solid materials in painting systems, surface treatment systems or casting processes.

**Device groups according to EC Directive 94/9/EG, Appendix I**

| <b>Group II</b><br>(explosive atmospheres of gas / air or dust / air mixtures, mist or vapors) |                             |   |                             |
|--|-----------------------------|---|-----------------------------|
| <b>Category 2</b>  |                             | <b>Category 3</b>   |                             |
| <b>G</b><br>Gas<br>Zone 1  | <b>D</b><br>Dust<br>Zone 21 | <b>G</b><br>Gas<br>Zone 2   | <b>D</b><br>Dust<br>Zone 22 |
| For devices, providing a very high level of safety.  |                             | For devices providing a normal level of safety.   |                             |
| Designed for situations where a potentially explosive atmosphere is present.                   |                             | Designed for situations where potentially explosive atmospheres are seldom or only briefly present. |                             |
| Appendix II / No. 2.2  |                             | Appendix II / No. 2.3   |                             |

# Nr. 1

for precise gripping  
and safe holding.



*J. Lehmann*

Jens Lehmann, German goalkeeper legend,  
SCHUNK brand ambassador since 2012  
for precise gripping and safe holding.  
[www.gb.schunk.com/Lehmann](http://www.gb.schunk.com/Lehmann)

**852** minutes without a  
goal against him in the  
Champions League

**681** minutes without a goal  
against him in the national team

**2** intercepted penalties  
in the 2006 World Cup

**1** headed goal as a goalie

**0** defeats English Soccer Champion

and

More than **2,000,000**  
sold precision toolholders

About **1,000,000**  
delivered SCHUNK gripper

More than **100,000**  
lathe chucks and stationary  
workholding systems are in use  
worldwide

More than **16,000,000**  
sold standard chuck jaws

More than **75,000**  
implemented hydraulic expansion  
customer-specific solutions

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