

PGN-plus-P Generation Permanent 2-Finger Parallel Gripper. With Lubrication Pockets in the Multi-tooth Guidance.

Improved multi-tooth guidance and new permanent lubrication

With the new SCHUNK gripper PGN-plus-P of the Generation Permanent, SCHUNK is once again raising the bar for pneumatically powered universal grippers. Three technical innovations establish the leading position of the SCHUNK PGN-plus-P. First, there is the improved multi-tooth guidance. By enlarging supporting dimensions between the six load-bearing shoulders of the patented multi-tooth guidance, higher moment can be accommodated and thus up to 50% longer fingers can be used. Secondly, permanent lubrication is provided via the continuous lubricant pockets in the guidance. For short strokes in particular, the principle of a reduced amount of lubricants ensures particularly quick and even distribution of the lubricant such that the gripper is nearly maintenance-free and its service life is extended.

Force all the way to the finger tips

The SCHUNK PGN-plus-P has an enlarged drive piston area, whereby gripping force is increased by up to 50%. The SCHUNK PGN-plus-P benefits from a unique accessory program.

Nearly the entire spectrum of feasible automation applications can be mastered with the reliable performance of the modular system of universal grippers. SCHUNK underscores its Longlife functional warranty, durability, reliability, and precision in the μ -range with the PGN-plus-P. The new gripper benchmark is being introduced in an initial stage in sizes 50 to 125. Expansion to include all existing PGN-plus sizes is planned.

Benefit from the advantages:

- up to **50%** longer gripper fingers
- up to **120%** higher finger load
- up to **50%** higher gripping force



The new SCHUNK Gripper Generation Permanent!

Improved multi-tooth guidance with permanent lubrication, higher maximum moments, and higher force.

Available starting January 2016

				
Sizes 50 .. 125	Weight 0.17 kg .. 1.35 kg	Gripping force 160 N .. 2780 N	Stroke per finger 2 mm .. 13 mm	Workpiece weight 0.8 kg .. 13.9 kg

Product features

- Improved SCHUNK multi-tooth guidance with a larger supporting dimension
- Increased maximum moment and force
- Lubricant pockets with flat lubricating wedge in the multi-tooth guidance
- Larger drive piston areas
- Improved efficiency and wear reduction
- Precise repeat accuracy 0.01 mm

Your advantage

- Up to 50% longer gripper fingers due to higher maximum moments
- Handling of higher workpiece weights with up to 50% higher gripping force
- Rapid and even lubricant distribution even with short strokes.
- Reduced total cost of ownership (TCO)
- Permanently higher performance
- More compact, efficient systems
- Continuously reliable and robust

Function cross section

- 1 Multi-tooth guidance
- 2 Base jaw
- 3 Sensor systems
- 4 Housing
- 5 Centring and mounting options
- 6 Wedge hook principle
- 7 Piston drive

