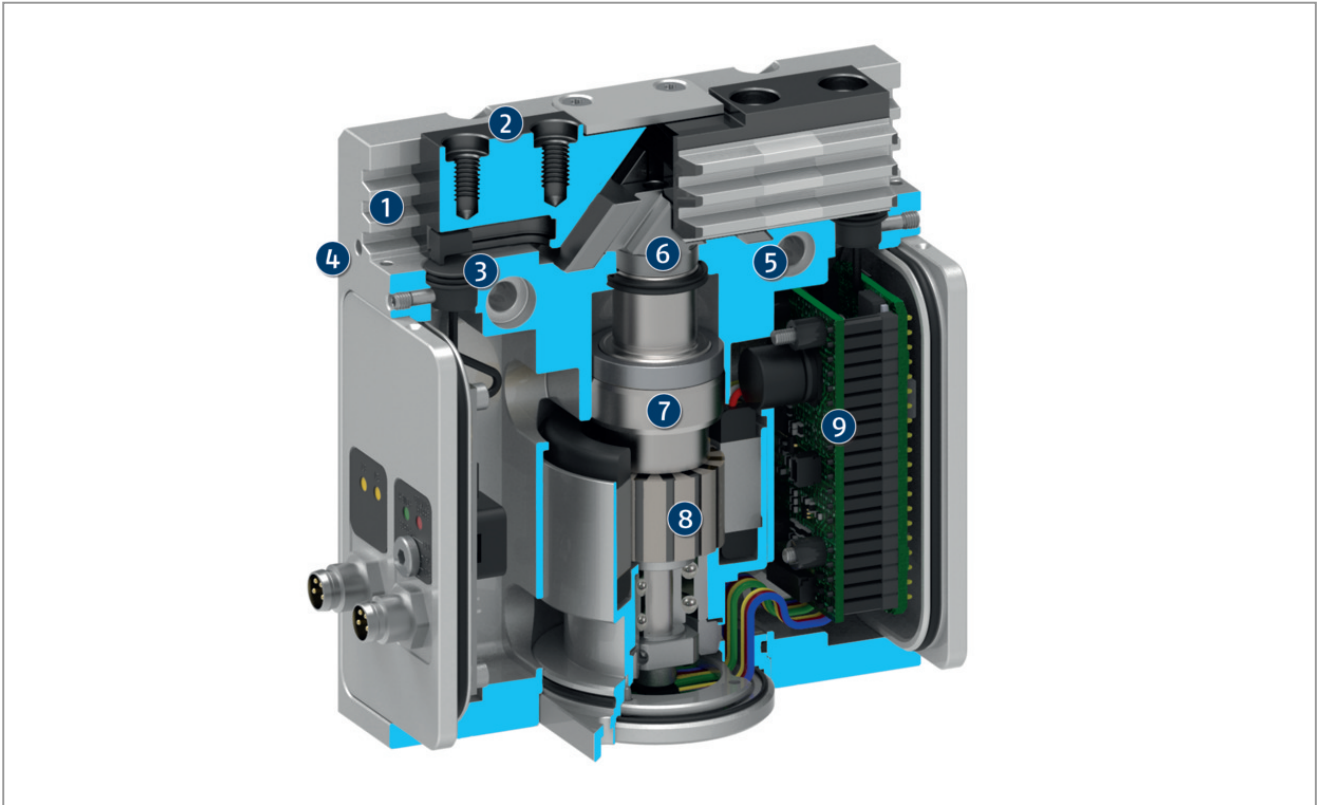


## Sectional diagram

## PGN-plus-E

- i** The sectional diagram shows the functionality as well as various product features and options. The product features and directly applicable information contained in the articles can be found in the technical data, drawings, etc.

Sectional diagram PGN-plus-E (PDF)



The brushless servomotor forces the wedge-hook up or down via a ball-and-screw spindle drive. Through its angled active surfaces, the wedge-hook transforms this motion into the horizontal, synchronous movement of the base jaws.

- 1 Multi-tooth guidance**  
Maximum service life due to lubricant pockets in the robust multi-tooth guidance, and absorption of high forces and torques by means of the large guidance support
- 2 Base Jaw**  
with standardized screw connection diagram for the connection of the workpiece-specific gripper fingers
- 3 Sensor system**  
Integrated proximity switches and adjustable control cams in the housing

- 4 **Housing**  
is weight-optimized due to the use of high-strength aluminum alloy
- 5 **Centering and mounting possibilities**  
for universal assembly of the gripper
- 6 **Wedge-hook design**  
for high power transmission and minimal wear as a result of larger diagonal pull surfaces
- 7 **Spindle nut**  
transforms the rotational movement into the axial movement of the wedge-hook
- 8 **Drive**  
Brushless DC servomotor
- 9 **Control electronics**  
Integrated control and power electronics for decentralized control of the servomotor