

Option with force intensification

If a higher gripping force is needed than that provided by the basic versions of the gripper, the power boost option can be selected. In this case, an additional piston is installed behind the standard pistons and interconnected. When pressure is applied, the enlarged piston surface results in a higher gripping force.

Application:

- Applications requiring a higher gripping force than that provided by the basic gripper series and in which the next larger size cannot be used.
- Higher gripping force with constant stroke

Additional benefits	Additional expense
- Nearly twice the gripping force in the same size	- Second piston with accessories - Additional intermediate casing



Note:

- For reasons of stability, this option is offered only up to a certain size
- The permissible finger length is reduced
- Option is available as retrofitting set
- The overall height of the gripper is increased, especially in combination with versions IS and AS
- A different seal set must be used

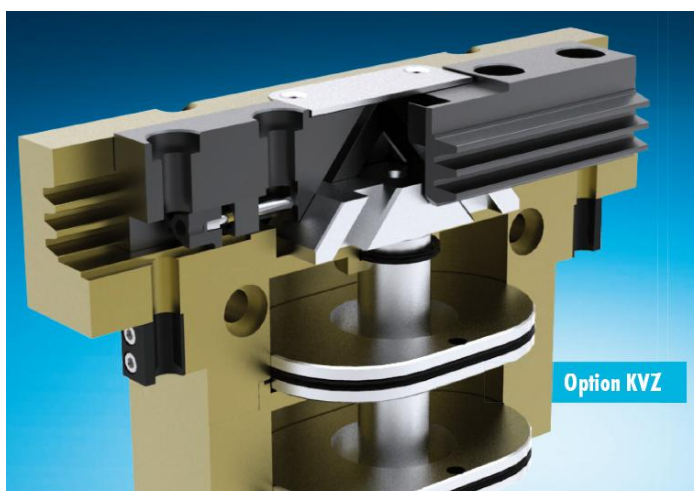


Figure 1: Sectional view of a PGN-plus with option force intensification

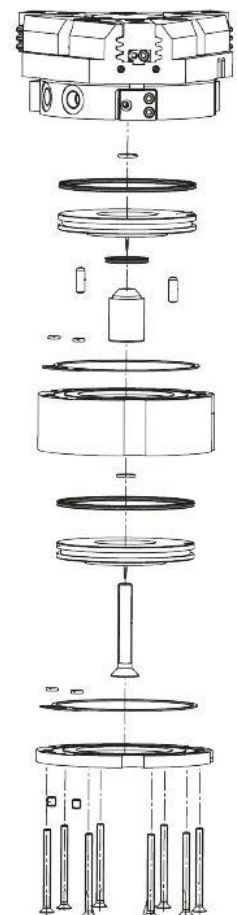


Figure 2: Exploded view of a PZN-plus with option force intensification