



Sales Information

DPG-plus/DPZ-plus 40 - 380

Product Management – June 2017

1945 – 2015
70 Years

Superior Clamping and Gripping



DGP-plus/DPZ-plus

Product improvement

DPG-plus



Sizes
40 .. 380



Weight
0.12 .. 52 kg



Gripping force
110 .. 11,250 N



Stroke per jaw
2 .. 45 mm



Workpiece weight
0.55 .. 46.35 kg

Description

Despite the high moment load of the base jaws, this sealed 2-finger parallel gripper meets the requirements of IP67, and does not permit any substances from the working environment to penetrate into the interior of the unit.

Accessories

Seal kits

Shock absorbers

Field of application

The gripper is ideally suitable for handling rough or dirty workpieces. Its field of application ranges from loading and unloading of machines, such as in the case of sanitary blocks, grinding machines, lathes or milling machines, to handling tasks in painting plants, in powder-processing or under water.

DGP-plus/DPZ-plus

Product Improvement

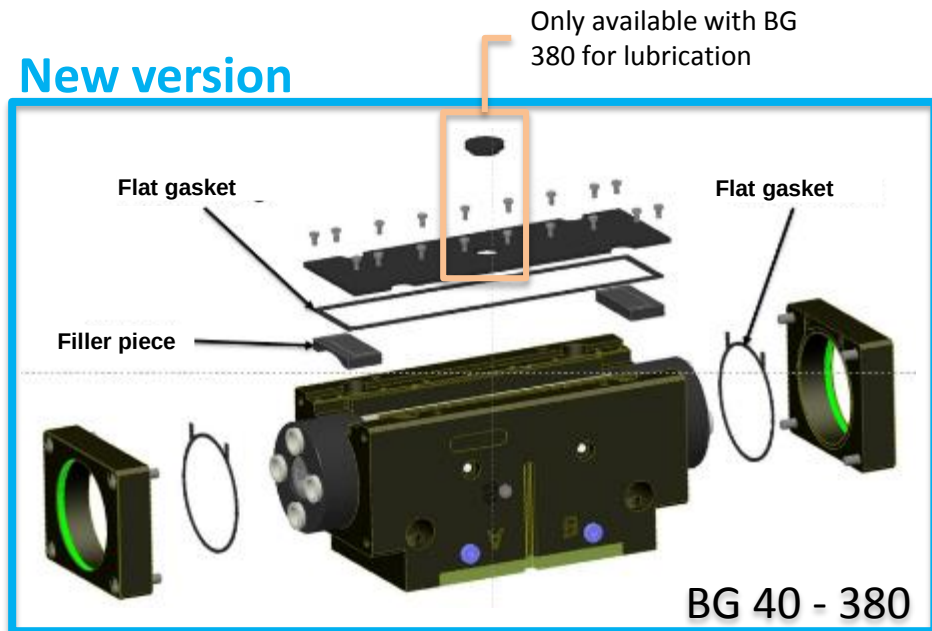
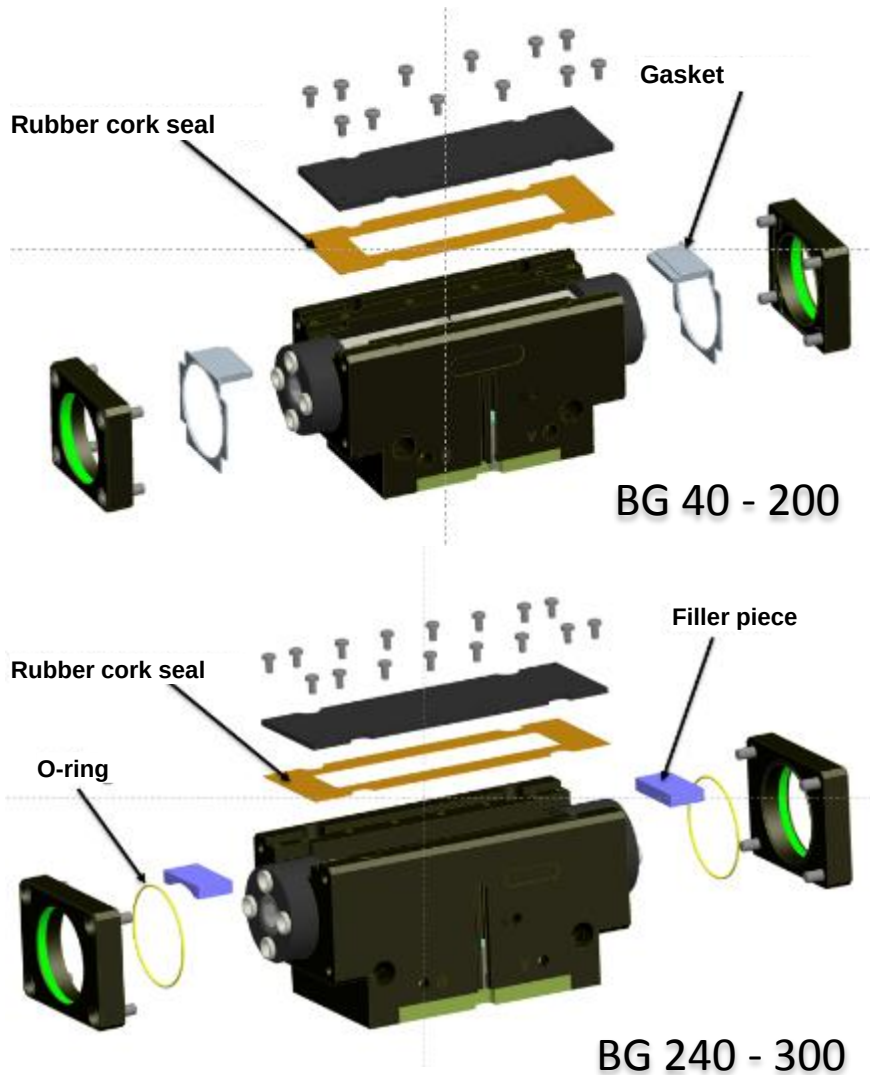
Improvement measures: new seal in all sizes for improving quality in the assembly process and operation

Advantages:

- Maintenance interval has doubled
 - Size 40 – 125: after 4 million cycles
 - Size 160 – 300: after 4 million cycles
 - Size 380 is unchanged: after 500,000 cycles
- Easier maintenance, sealing paste for cork seal no longer required
- Viton version possible with max. 130°C

Previously, there was no standardized high-temperature version, special version is available with max. 100°C

Overview Seal Optimization



DGP-plus/DPZ-plus

Product Improvement

Schedule: Implementation expected from August 2017 – See Sales ToolBox

Adjustments:

- Same dimensions and connections
- Seals are not compatible
 - ➔ Retrofitting not possible
 - ➔ The grippers have new ID numbers, valid from date of implementation
 - Old ID numbers will be replaced
 - An overview old/new ID numbers is being drawn up
- The prices remain unchanged
- Catalog data sheets with new ID no. will be made available
- Spare parts kit will be adjusted
- Intermediate jaw with chrome coating
 - Achieves increased wear resistance on the seal faces
 - Increased corrosion resistance

Supplement
2017-07-10

Competitor

Zimmer

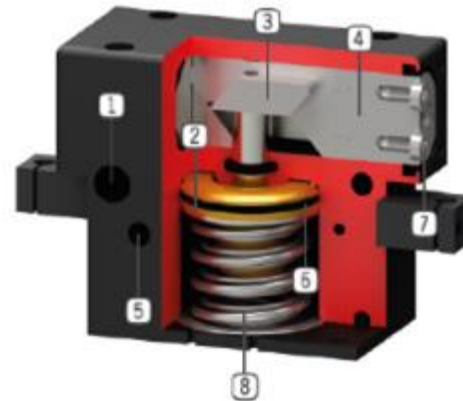
Discontinuation of sealed grippers GP 1800 and replacement with GPP5000 series with protector version

→ Protector version from ZIMMER has IP 67. SD version from SCHUNK (IP 64). ZIMMER has a seal ring on the metallic intermediate jaws. However this seal ring is defective after a short time.



SERIES GP1800

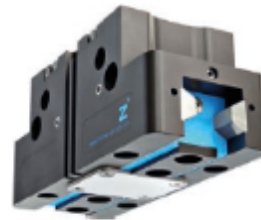
► BENEFITS IN DETAIL



- ① **Mounting and positioning**
- alternatively on several sides for customized assembly
- ② **Permanent magnet**
- built-in piston chamber as a signal transmitter
- ③ **Positively driven wedge drive**
- synchronized movement of **gripper jaws**
- high force transmission
- ④ **sealed and precise square flat guide**
- high force and momentum absorption
- ⑤ **Energy supply**
- possible from several sides
- ⑥ **Drive**
- double-acting pneumatic cylinder
- ⑦ **Removable centering sleeves**
- fast and cost-effective changes to claw jaw
- ⑧ **Integrated gripping force maintenance device**
- spring built into the cylinder chamber as an energy storage, optional in version C and D



► USE SUCCESSOR SERIES GPP5000 FOR NEW CONSTRUCTIONS

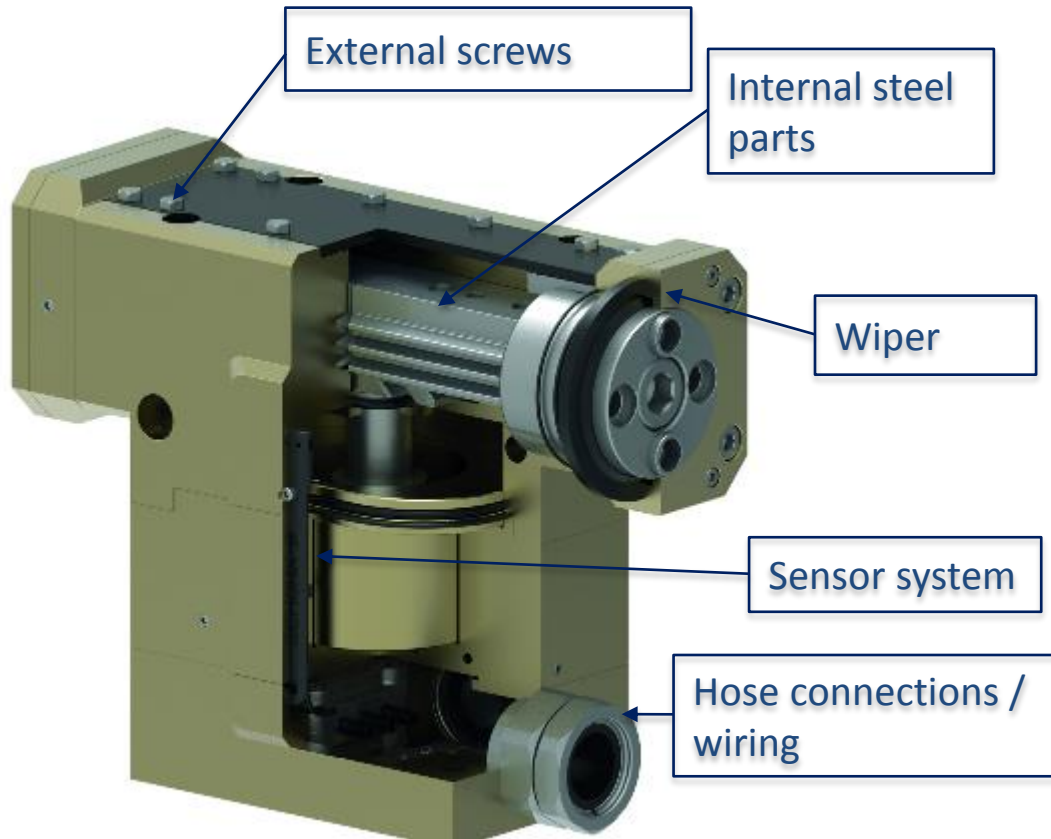


"The universal"

- Up to 30% more gripping force than the benchmark
- 10% higher static forces and moments than the benchmark
- 10% longer claw jaws than on the benchmark
- 15% higher claw jaw weight than on the benchmark
- Sealed guide IP64 / protector version IP67 (with air purge)
- Corrosion-protected
- Up to 30 million cycles maintenance-free

still
available

DPG-plus Special Version



If you have a suitable application for this special gripper, please send it to the following hotline for analyzing the feasibility:

Technical hotline - technical advice
Tel. +49-7133-103-2696 E-mail: automationsolution@de.schunk.com

Application examples:

- Deburr water jet
- Wash parts in the cleaning area

Version:

- Special DLC coating on all internal steel parts to prevent rusting
- Additional wipers and enlarged grease reserves
- Complete internal sealed sensor system
- Central connection of the sensor system and air supply of the gripper
- On the underside via distributor housing.
- Sealing through customer PG fittings.
- All external screws and set-screws from VA steel
- (exception: fastening screw of the intermediate jaw)
- Special magnetic sensor with reduced temperature sensitivity
- Same dimensions of the gripper in the AS-, IS- and basic version

Superior Clamping and Gripping



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

