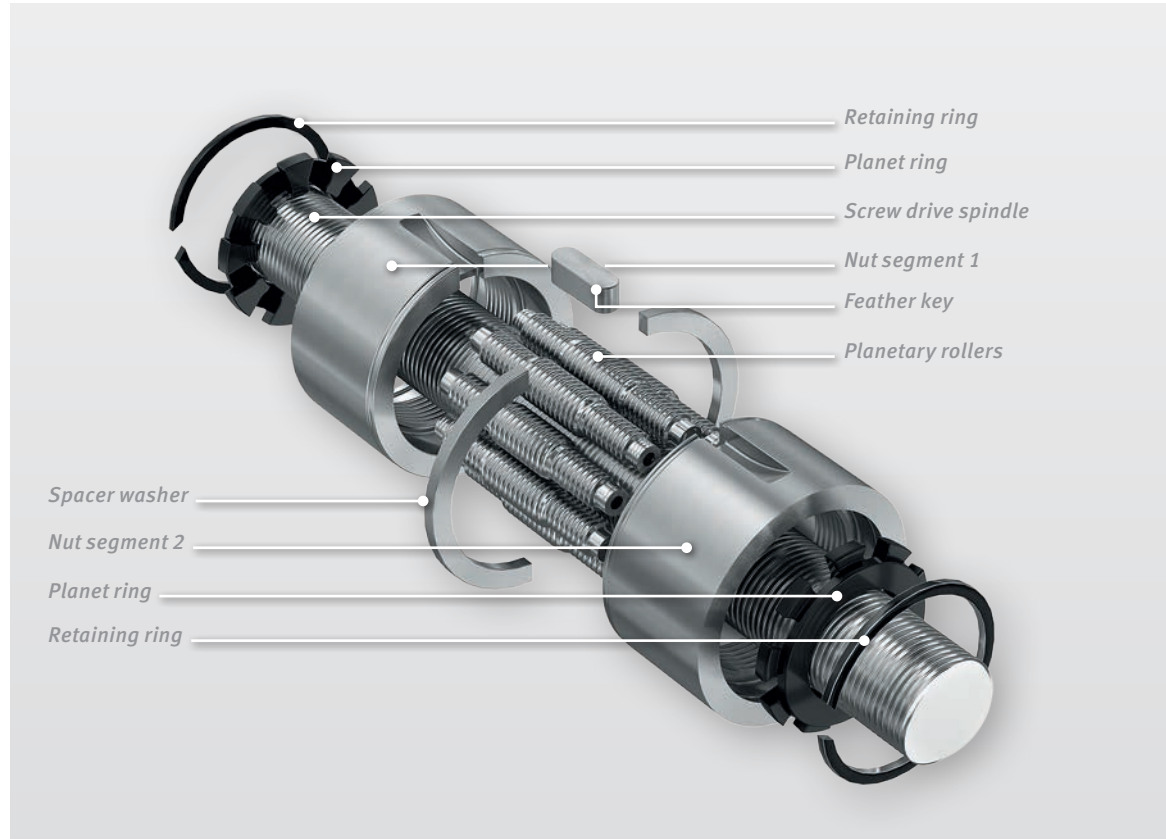


OUTSTANDING POWER DENSITY

## PWG planetary screw drive



### Product characteristics

- Simple and robust construction
- Low noise generation
- Extremely small pitches of 0.7 to 3 mm are possible
- Cylindrical nut with feather key connection
- Preloaded without clearance
- Gap seals on the end faces
- High axial load carrying capacity due to the high number of rolling contacts
- Corresponding locating and non-locating bearing kit

### Technical advantages

- High load carrying capacity:  
Dynamic load carrying capacity of 8 – 40 kN (spindle diameter 5 – 25 mm)
- Very high axial rigidity
- Very high axial forces:  
For example 2,200 N with a pitch of 0.75 mm from only 40 Ncm
- Runs very smoothly, as rolling elements do not require a return system

### Customer benefits

- Cost-effective drive unit with very high performance density
- Reduced design outlay
- Motors with low drive torques and without gearboxes can be used
- Individually customized, ready-to-mount kit including spindle bearings for the locating and non-locating bearing side

### Applications

There is a wide range of possible applications, including:

- Linear and motion actuators
- Radial pressing tools
- Workpiece and tool clamping systems
- Locking cylinders

### Available sizes

- Spindle diameters of 5, 9, 12, 15, 20, and 25 mm are available
- Locating and non-locating bearing sets that are specifically matched to the load carrying capacity

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Issued: 2017, September

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Rolling bearings  
Plain bearings  
**Linear technology**

# PWG

## Planetary screw drive



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