

Components produced by Axial Forming:  
**Shaft**



07-3527F

**Workpiece:**

Material: Chromium steel

**Previous technique:**

Rolling

**Manufacturing requirement:**

Forming of an external profile with a high repeatability and constant high quality

**Profile data:**

- External profile with four grooves
- Number of teeth: 4
- Profile length: up to approx. 260 mm
- Profile minor diameter: approx.  $\varnothing$  10 mm
- Profile major diameter: approx.  $\varnothing$  12 mm

**Advantages at a glance:**

- Highest process reliability
- High constant profile quality
- Dimension over pins adjustable by  $\pm 0.03$  mm with the same tool
- Continuous grain structure
- Excellent surface

**Production rate:**

Forming speed:  
approx. 10-15 mm/sec.

**Reference:** Grundfos

**Final customer:** Grundfos

**Machine:**

Model: Aximus V02

Press force: 700 kN static  
400 kN recursive

Required floor space with integrated cabin:  
(L x W x H)  
approx. 4,200 x 1,400 x 3,600 mm

Weight: approx. 8,500 kg

Required power: approx. 55 kW

