

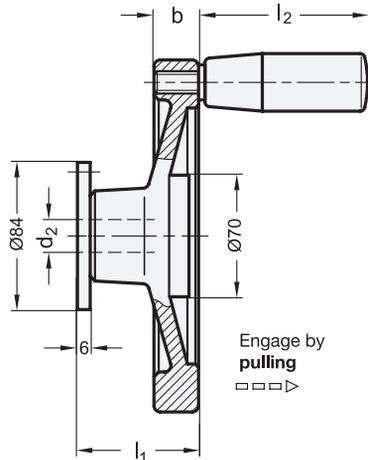
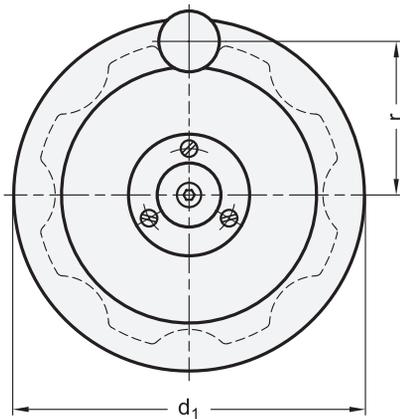


### 3 Type

- A Without handle  
D With revolving handle

### 4 Identification no.

- 1 With bearing bushing  
2 With centering ring



1

2

| d <sub>1</sub> | d <sub>2</sub> H7<br>Bore with keyway |      |      |      | b    | l <sub>1</sub> | l <sub>2</sub> | r  | Ø<br>Handle |
|----------------|---------------------------------------|------|------|------|------|----------------|----------------|----|-------------|
| 160            | K 14                                  | K 16 | K 18 | K 20 | 18   | 66             | 82,5           | 71 | 26          |
| 200            | K 14                                  | K 16 | K 18 | K 20 | 20,5 | 68             | 82,5           | 89 | 26          |

## Specification

### Wheel body

- Aluminum  
• Hub machined  
• Rim  
- turned on all sides  
- highly polished

### Coupling elements

- Steel  
• nitrided  
• Bearing surface ground resp. PTFE-coated  
• Bearing flange blackened

### Revolving handle GN 598

- Plastic, phenolic resin (PF)  
• Black, shiny finish  
• Spindle steel  
Zinc plated, blue passivated

RoHS

Safety handwheels GN 327 feature the ultimate in health and safety at work standards because the handwheel, if disengaged, is mounted on a fixed component, the bearing flange. The wheel is fully disengaged from the rotating shaft.

The bearing flange can also accept the bearing of the shaft via the bearing bushing (identification no. 1). This bearing bushing is a dry bearing (DU bushing). Normally, the shaft has a separate bearing and the bearing bushing serves to center the bearing flange.

Centering can also be effected by a centering ring (identification no. 2) if the appropriate bore hole has been made at the machine side. In this case there is no need for the bearing bushings and no bearing friction (heating) will occur.

### Technical Information

| Technical Information                 | Page |
|---------------------------------------|------|
| Mounting information                  | QVX  |
| More Information to Safety Handwheels | QVX  |
| Keyway P9 DIN 6885-2                  | QVX  |
| ISO Fundamental Tolerances            | QVX  |
| Plastic Characteristics               | QVX  |

### Accessory

|   |     |
|---|-----|
| GN 184 Countersunk Washers (for Axial Fixing) | QVX |
|---|-----|

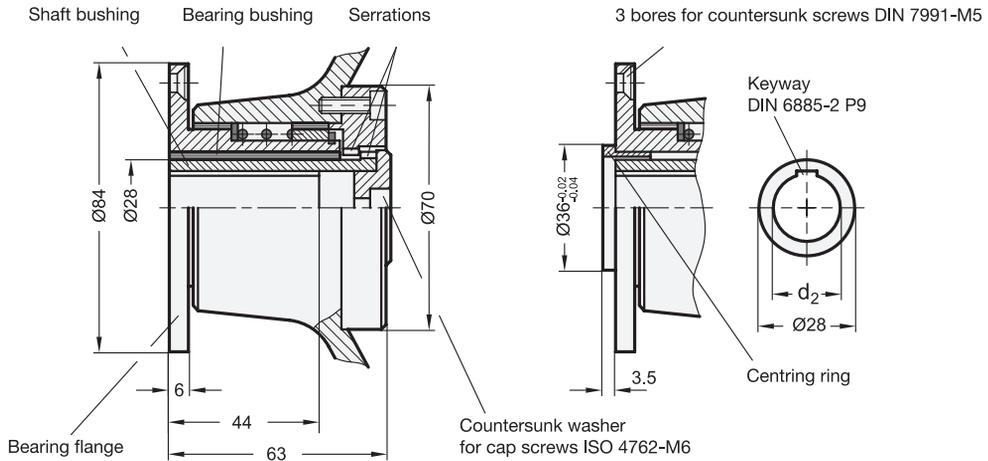
### How to order

1 2 3 4  
**GN 327-160-K16-A-1**

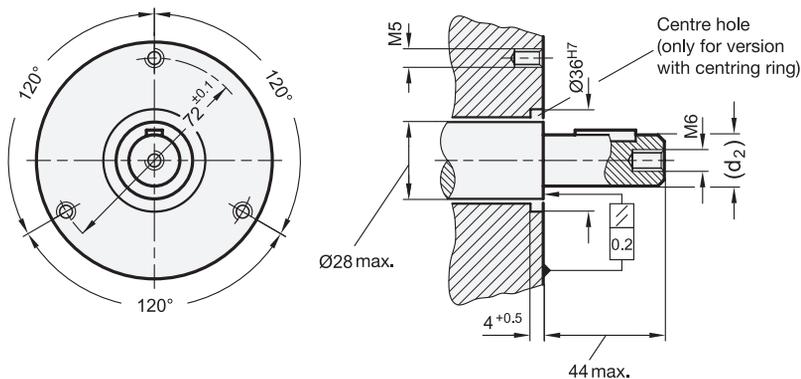
|   |                    |
|---|--------------------|
| 1 | d <sub>1</sub>     |
| 2 | d <sub>2</sub>     |
| 3 | Type               |
| 4 | Identification no. |

with bearing bushing: Identification no. 1

with centring ring: Identification no. 2



### Specification of shaft and dimensions



### Assembly instructions

Shaft bushing and countersunk washer are delivered in two separate components. Before assembly, make sure that the shaft bushing can be pushed smoothly and free-moving over the shaft.

Proper function is guaranteed only if:

- shaft bushing and bearing surface are level with each other
- the shaft axis lies at a right angle to the bearing surface on the machine side.

Design with bearing bushing (identification no. 1)

Push the handwheel and the shaft bushing at the same time over the shaft, bolt down the bearing flange, and fix the shaft bushing axially with the countersunk washer.

Design with centring ring (identification no. 2)

The handwheel can be bolted at once through the centring ring above the bearing flange. Then push the shaft bushing onto the shaft and fix it axially with the countersunk washer.

