

Safety Handwheels

Aluminum, Fixed Bearing Flange

SPECIFICATION

Types

- Type **A**: Without handle
- Type **D**: With revolving handle

Identification no.

- No. **1**: With bearing bushing
- No. **2**: With centering ring

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 (see page 1092)

Plastic, phenolic resin (PF)

- Black, shiny finish
- Spindle steel
- Zinc plated, blue passivated

INFORMATION

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 support the shaft via the bearing bushing (Identification no.1). This bearing bushing is a dry bearing (DU bushing). As a general rule, however, the shaft is supported separately and the bearing bushing is used 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.

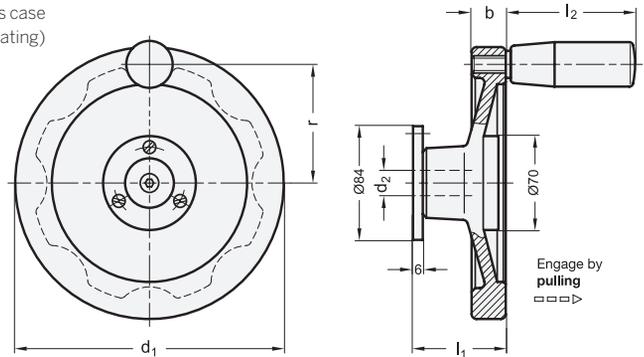


ACCESSORY

- GN 184 Countersunk Washers (for Axial Fastening) (see page 971)

TECHNICAL INFORMATION

- More Information to Safety Handwheels (see page 133)
- Keyway P9 DIN 6885-1 (see page A16)
- ISO-Fundamental Tolerances (see page A21)
- Plastic Characteristics (see page A2)



* Complete with

- No. 1** bearing bushing
- No. 2** centering ring

GN 327-A

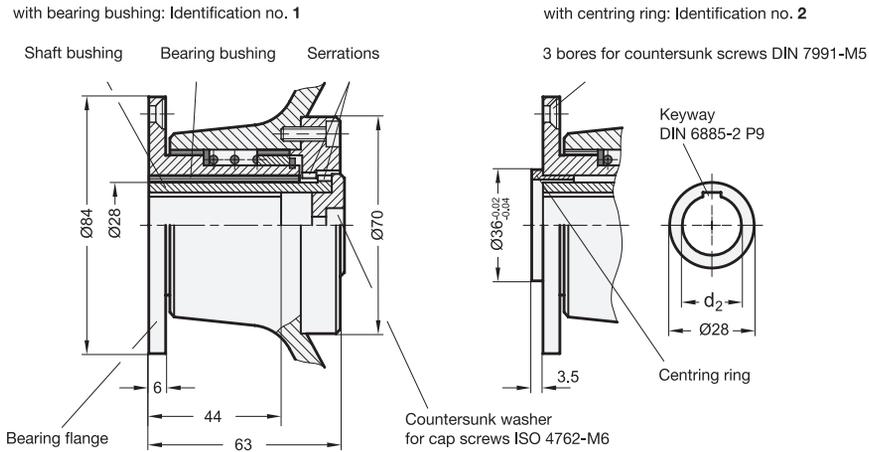
Description	d ₁	d ₂ H7 Bore with keyway	b	l ₁	r	⚖
GN 327-160-K14-A-*	160	K 14	18	66	71	1706
GN 327-160-K16-A-*	160	K 16	18	66	71	1690
GN 327-160-K18-A-*	160	K 18	18	66	71	1670
GN 327-160-K20-A-*	160	K 20	18	66	71	1649
GN 327-200-K14-A-*	200	K 14	20.5	68	89	2047
GN 327-200-K16-A-*	200	K 16	20.5	68	89	2031
GN 327-200-K18-A-*	200	K 18	20.5	68	89	2011
GN 327-200-K20-A-*	200	K 20	20.5	68	89	1990

* Weight Identification no.1

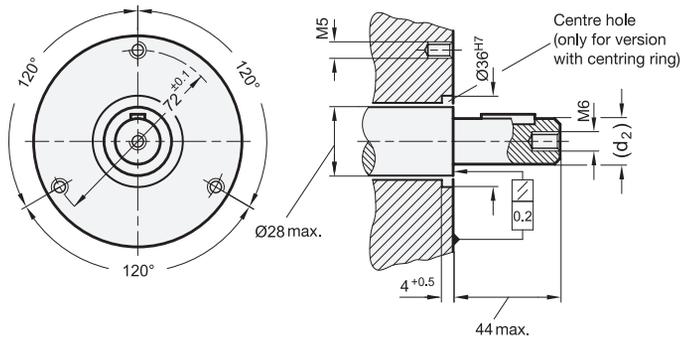
GN 327-D

Description	d ₁	d ₂ H7 Bore with keyway	b	l ₁	l ₂	r	Ø Handle	⚖
GN 327-160-K14-D-*	160	K 14	18	66	82.5	71	26	2000
GN 327-160-K16-D-*	160	K 16	18	66	82.5	71	26	1794
GN 327-160-K18-D-*	160	K 18	18	66	82.5	71	26	1774
GN 327-160-K20-D-*	160	K 20	18	66	82.5	71	26	1753
GN 327-200-K14-D-*	200	K 14	20.5	68	82.5	89	26	2151
GN 327-200-K16-D-*	200	K 16	20.5	68	82.5	89	26	2135
GN 327-200-K18-D-*	200	K 18	20.5	68	82.5	89	26	2117
GN 327-200-K20-D-*	200	K 20	20.5	68	82.5	89	26	2094

* Weight Identification no. 1



Specification of shaft and dimensions



Assembly instruction

Shaft bushing and countershaft pulley 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 only guaranteed if on the machine side:
- the shaft collar and contact surface are level with each other
 - the shaft axis is at right angles to the contact surface.

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 bush axially with the countershaft pulley.

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 countershaft pulley.

