

Safety handwheels

Aluminium, fixed bearing flange

SPECIFICATION

Types

- Type **A**: without handle
- Type **D**: with revolving handle

Identification no.

- Version **1**: with bearing bush
- Version **2**: with centring ring

Handwheel body

Aluminium

Rim turned and polished

Coupling elements

- Steel, nitrided
- Bearing surface ground and / or PTFE-coated
- Bearing flange blackened

Cylindrical Revolving handles GN 598 (see page 573)

- Plastic, technopolymer, black matt
- 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.

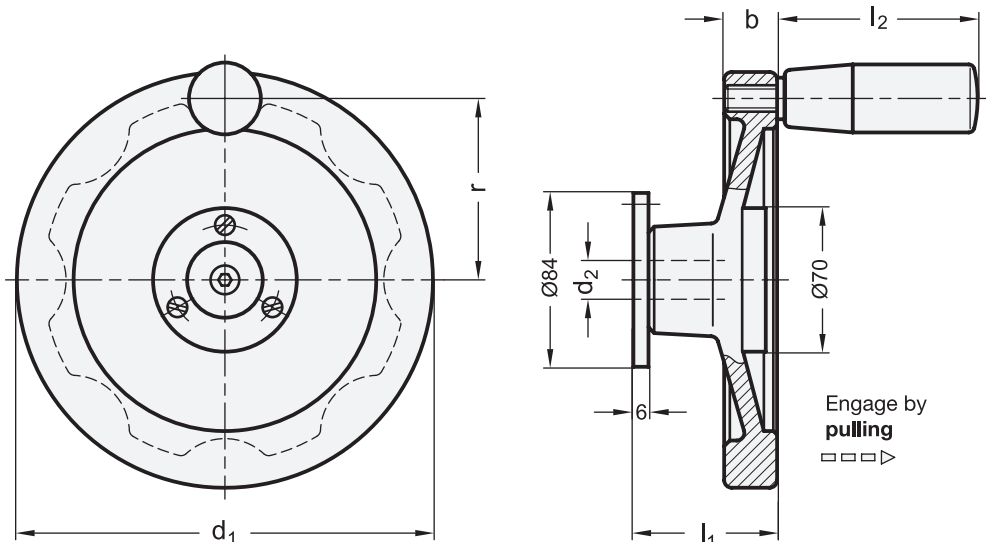
The bearing flange can also accept the bearing of the shaft via the bearing bushing (code No. 1). This bearing bushing is a dry bearing (DU bushing). Normally, the shaft has a separate bearing and the bearing bushing serves to center the bearing flange.

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

- Instructions for safety handwheels (see page 133)

TECHNICAL INFORMATION

- Keyway P9 DIN 6885 (see page A16)
- ISO-Fundamental Tolerances (see page A21)



ASSEMBLY INSTRUCTIONS

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

Proper function is guaranteed only if:

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

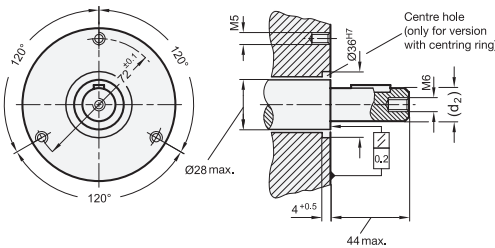
Design with bearing bush (Mode 1)

Push the handwheel and the shaft bush at the same time over the shaft, bolt down the bearing flange, and fix the shaft bush axially with the countershaft pulley

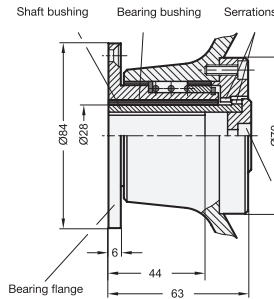
Design with centring ring (Mode 2)

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

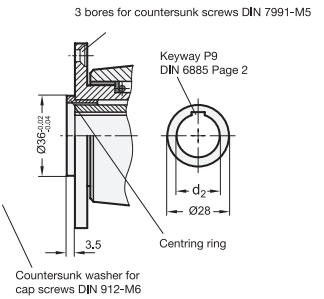
Specification of shaft and dimensions



with bearing bush: Identification no. 1



with centring ring: Identification no. 2



* Complete with Identification no. of the Handwheel (1 or 2)

- 1 bearing bush
- 2 centring ring

GN 327-A

Description	d1	d2 H7	b	l1	⚖️
GN 327-160-K14-A-*	160	K 14	18	66	1706
GN 327-160-K16-A-*	160	K 16	18	66	1690
GN 327-160-K18-A-*	160	K 18	18	66	1670
GN 327-160-K20-A-*	160	K 20	18	66	1649
GN 327-200-K14-A-*	200	K 14	20.5	68	2047
GN 327-200-K16-A-*	200	K 16	20.5	68	2031
GN 327-200-K18-A-*	200	K 18	20.5	68	2011
GN 327-200-K20-A-*	200	K 20	20.5	68	1990

GN 327-D

Description	d1	d2 H7	b	l1	l2	r	Ø Handle	⚖️
GN 327-160-K14-D-*	160	K 14	18	66	82.5	71	26	1820
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

