

Safety Handwheels

Aluminum, with Needle Bearing

SPECIFICATION

Types

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

Coding

- Version **ZI**: Engage by pulling
- Version **DR**: Engage by pushing

Wheel body

- Aluminum
- Hub machined
- Wheel rim
 - Turned
 - Radial and axial runout < 0,4
 - Wheel rim high-polished
 - Unmachined body matte shot-blasted

Coupling attachment GN 000.5 (see page 185) with needle bearing

- Steel
- Hardened
- Bearing surfaces ground

Revolving handle GN 598 (see page 1092)

- Steel
- Powder coated
 - Black, textured finish
- Spindle steel
 - Zinc plated, blue passivated

INFORMATION

While not actuated, safety handwheels GN 321.5 do not transmit the rotational movement of the shaft to the wheel body. To drive and adjust, the clutch is engaged by pushing or pulling, depending on the code. When released, the handwheel is disengaged by spring force. Type D ergonomically transmits fast adjustment movements via the revolving cylindrical handle. Precise adjustments are made via the wheel rim.

ACCESSORY

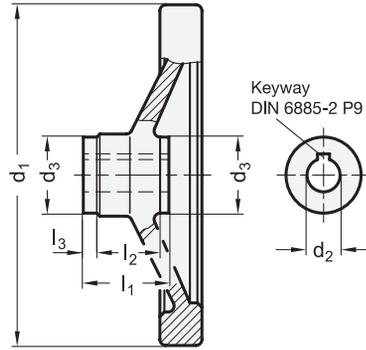
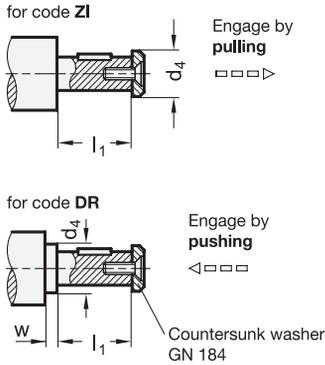
- GN 184 Countersunk Washers (for Axial Fixing) (see page 971)

TECHNICAL INFORMATION

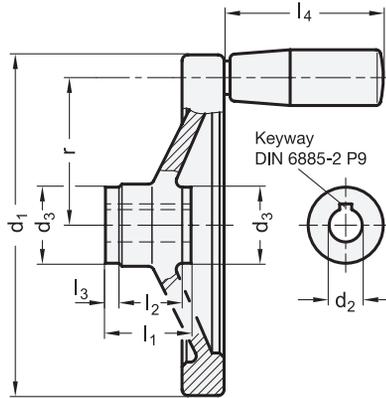
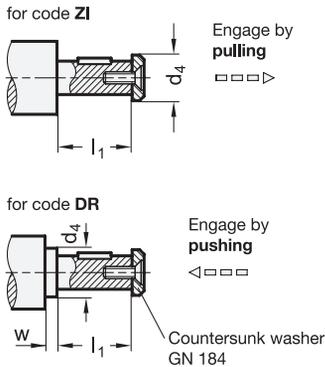
- More Information to Safety Handwheels (see page 133)
- Keyway P9 DIN 6885-2 (see page A16)
- ISO-Fundamental Tolerances (see page A21)



Shaft design



Shaft design



* Complete with

- ZI** Engage by pulling
- DR** Engage by pushing

GN 321.5-A

Description	d1	d: H7 Bore with keyway	d3	d4 max.	l1	l2	l3	l4 ≈	r	w min.	Ø Handle GN 598	Coupling GN 000.5 Nominal size	⚖
GN 321.5-125-K12-A-*	125	K 12	29	17	42	18	12	67.5	54	4	23	1	423
GN 321.5-140-K12-A-*	140	K 12	29	17	42	19	12	67.5	61	4	23	1	512
GN 321.5-140-K14-A-*	140	K 14	33	21	48	19	14	67.5	61	4	23	2	592
GN 321.5-160-K14-A-*	160	K 14	33	21	48	20	14	82.5	71	4	26	2	600
GN 321.5-200-K18-A-*	200	K 18	39	26	50	24	13	82.5	89	4	26	3	800
GN 321.5-250-K22-A-*	250	K 22	46	30	54	28	13	92.5	113	4	28	4	1900

GN 321.5-D

Description	d1	d: H7 Bore with keyway	d3	d4 max.	l1	l2	l3	l4 ≈	r	w min.	Ø Handle GN 598	Coupling GN 000.5 Nominal size	⚖
GN 321.5-125-K12-D-*	125	K 12	29	17	42	18	12	67.5	54	4	23	1	700
GN 321.5-140-K12-D-*	140	K 12	29	17	42	19	12	67.5	61	4	23	1	697
GN 321.5-140-K14-D-*	140	K 14	33	21	48	19	14	67.5	61	4	23	2	777
GN 321.5-160-K14-D-*	160	K 14	33	21	48	20	14	82.5	71	4	26	2	1008
GN 321.5-200-K18-D-*	200	K 18	39	26	50	24	13	82.5	89	4	26	3	1420
GN 321.5-250-K22-D-*	250	K 22	46	30	54	28	13	92.5	113	4	28	4	2133

Weight coding ZI

