

Safety Handwheels

Aluminum, with Friction 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 000.4 (see page 184) with friction bearing

- Steel
- Nitrided
- Bearing surface ground resp. PTFE coated

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 321.4 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.

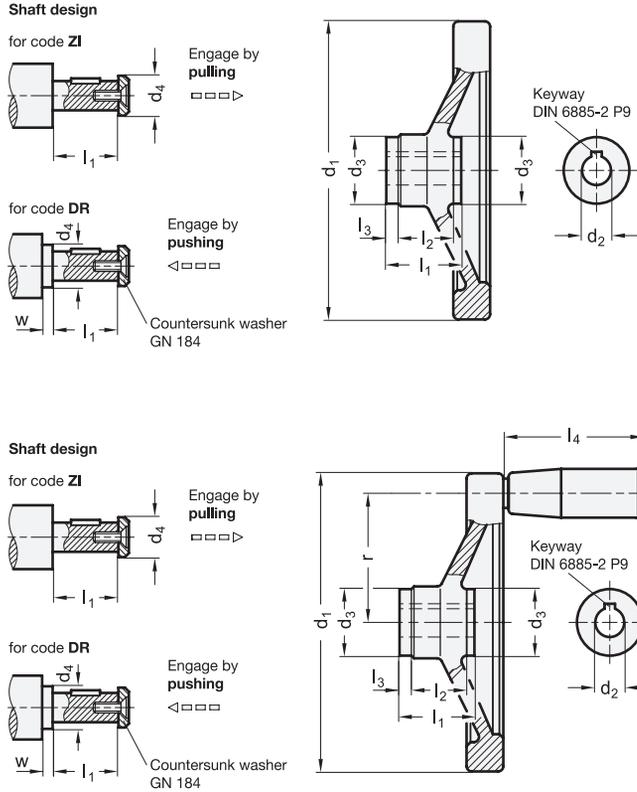
ACCESSORY

- 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)





* Complete with

ZI Engage by pulling DR Engage by pushing

GN 321.4-A

Description	d ₁	d ₂ H7 Bore with keyway	d ₃	d ₄ max.	l ₁	l ₂	l ₃	l ₄	r	w min.	Ø Handle GN 598	Coupling GN 000.4 Nominal size	⚖
GN 321.4-125-K12-A-*	125	K 12	28	17	28.5	18	5	67.5	54	4	23	1	377
GN 321.4-140-K12-A-*	140	K 12	28	17	28.5	19	5	67.5	61	4	23	1	466
GN 321.4-140-K14-A-*	140	K 14	32	21	32.5	19	6	67.5	61	4	23	2	521
GN 321.4-140-K16-A-*	140	K 16	32	21	32.5	19	6	67.5	61	4	23	2	508
GN 321.4-160-K14-A-*	160	K 14	32	21	32.5	20	6	82.5	71	4	26	2	600
GN 321.4-160-K16-A-*	160	K 16	32	21	32.5	20	6	82.5	71	4	26	2	631
GN 321.4-200-K18-A-*	200	K 18	38	26	36.5	24	6	82.5	89	4	26	3	980
GN 321.4-200-K20-A-*	200	K 20	38	26	36.5	24	6	82.5	89	4	26	3	940
GN 321.4-250-K22-A-*	250	K 22	45	30	47.5	28	12	92.5	113	4	28	4	1800

GN 321.4-D

Description	d ₁	d ₂ H7 Bore with keyway	d ₃	d ₄ max.	l ₁	l ₂	l ₃	l ₄	r	w min.	Ø Handle GN 598	Coupling GN 000.4 Nominal size	⚖
GN 321.4-125-K12-D-*	125	K 12	28	17	28.5	18	5	67.5	54	4	23	1	559
GN 321.4-140-K12-D-*	140	K 12	28	17	28.5	19	5	67.5	61	4	23	1	651
GN 321.4-140-K14-D-*	140	K 14	32	21	32.5	19	6	67.5	61	4	23	2	706
GN 321.4-140-K16-D-*	140	K 16	32	21	32.5	19	6	67.5	61	4	23	2	693
GN 321.4-160-K14-D-*	160	K 14	32	21	32.5	20	6	82.5	71	4	26	2	937
GN 321.4-160-K16-D-*	160	K 16	32	21	32.5	20	6	82.5	71	4	26	2	924
GN 321.4-200-K18-D-*	200	K 18	38	26	36.5	24	6	82.5	89	4	26	3	1335
GN 321.4-200-K20-D-*	200	K 20	38	26	36.5	24	6	82.5	89	4	26	3	1318
GN 321.4-250-K22-D-*	250	K 22	45	30	47.5	28	12	92.5	113	4	28	4	1916

Weight coding ZI



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Operating elements