

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 322.4 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.

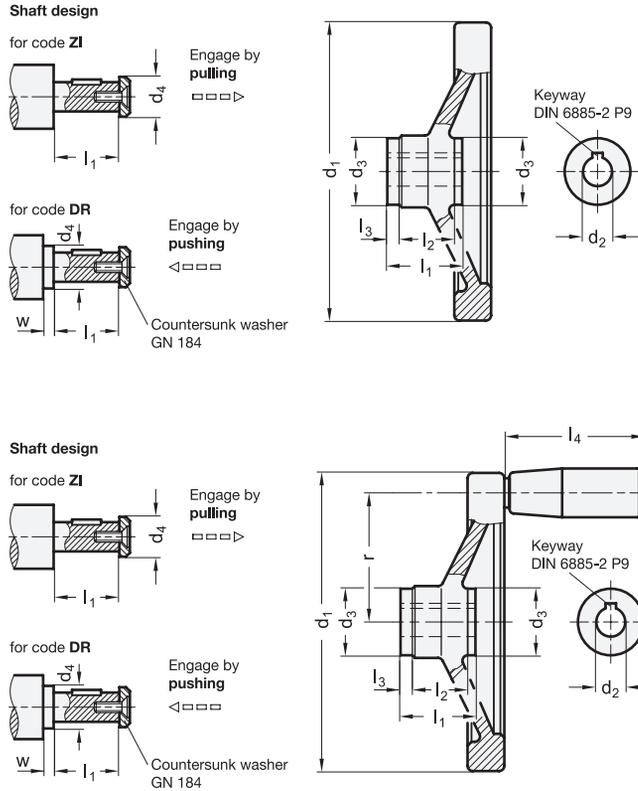
ACCESSORY

- 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 322.4-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 322.4-125-K12-A-*	125	K 12	28	17	28.5	18	5	67.5	54	4	23	1	368
GN 322.4-140-K12-A-*	140	K 12	28	17	28.5	19	5	67.5	61	4	23	1	476
GN 322.4-140-K14-A-*	140	K 14	32	21	32.5	19	6	67.5	61	4	23	2	499
GN 322.4-140-K16-A-*	140	K 16	32	21	32.5	19	6	67.5	61	4	23	2	486
GN 322.4-160-K14-A-*	160	K 14	32	21	32.5	20	6	82.5	71	4	26	2	615
GN 322.4-160-K16-A-*	160	K 16	32	21	32.5	20	6	82.5	71	4	26	2	602
GN 322.4-200-K18-A-*	200	K 18	38	26	36.5	24	6	82.5	89	4	26	3	1032
GN 322.4-200-K20-A-*	200	K 20	38	26	36.5	24	6	82.5	89	4	26	3	1015
GN 322.4-250-K22-A-*	250	K 22	45	30	47.5	28	12	92.5	113	4	28	4	1740

GN 322.4-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 322.4-125-K12-D-*	125	K 12	28	17	28.5	18	5	67.5	54	4	23	1	552
GN 322.4-140-K12-D-*	140	K 12	28	17	28.5	19	5	67.5	61	4	23	1	660
GN 322.4-140-K14-D-*	140	K 14	32	21	32.5	19	6	67.5	61	4	23	2	683
GN 322.4-140-K16-D-*	140	K 16	32	21	32.5	19	6	67.5	61	4	23	2	670
GN 322.4-160-K14-D-*	160	K 14	32	21	32.5	20	6	82.5	71	4	26	2	907
GN 322.4-160-K16-D-*	160	K 16	32	21	32.5	20	6	82.5	71	4	26	2	894
GN 322.4-200-K18-D-*	200	K 18	38	26	36.5	24	6	82.5	89	4	26	3	1324
GN 322.4-200-K20-D-*	200	K 20	38	26	36.5	24	6	82.5	89	4	26	3	1307
GN 322.4-250-K22-D-*	250	K 22	45	30	47.5	28	12	92.5	113	4	28	4	2122

Weight coding ZI



Operating elements 1