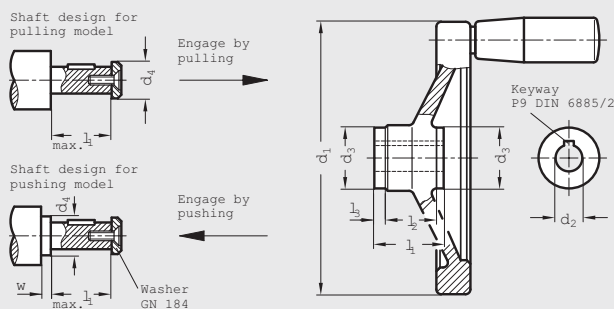


GN 321.4 | Aluminum Safety Clutch Handwheels

Metric Size • With Friction Bearing Mechanism



ISO 9001 Supplier

RoHS Compliant

Handwheel body

Aluminum, see GN 321 series, page 222.

Clutch mechanism details

See GN 000.4 series, page 249.

Revolving handle

Steel, black powder coated pebble finish,
GN 598-ST series

No mounting hole in handwheel rim for
handwheel without handle

Handle shipped loose; mounting of handle is
required.

Safety clutch handwheels can be engaged by
pulling or pushing and are available with or
without handles.

The use of clutch mechanisms in handwheel
types other than specified on this sheet are also
possible.

Washers GN 184 series are required for axial
mounting.

For further details, see safety handwheel
application guide, page 977.

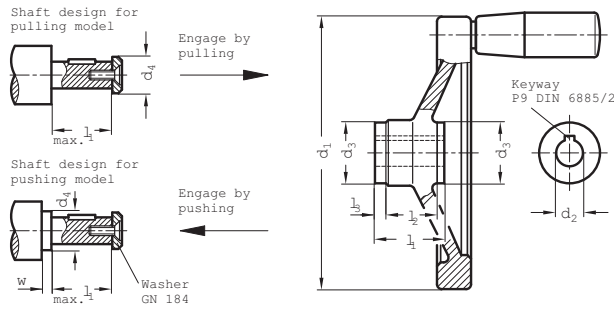
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Handwheels

Engage by Pulling

Dimensions in: millimeters (*inches*)

Part Number		d ₁	H ₇ d ₂ (tol.) Bore with keyway	d ₃	d ₄ max.	l ₁	l ₂	l ₃	w min.	Handle Diameter	Handle Length	Handle Thread	Coupling GN 000.4
With Handle	Without Handle												
12KE53/DZI	12KE53/AZI	125 (4.92)	12 (.472)	28 (1.10)	17 (.67)	28.5 (1.12)	18 (.71)	5 (.20)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 1
12KE54/DZI	12KE54/AZI	140 (5.51)	12 (.472)	28 (1.10)	17 (.67)	28.5 (1.12)	18 (.71)	5 (.20)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 1
14KE54/DZI	14KE54/AZI	140 (5.51)	14 (.551)	32 (1.26)	21 (.83)	32.5 (1.28)	20 (.79)	6 (.24)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 2
16KE54/DZI	16KE54/AZI		16 (.630)										
14KE55/DZI	14KE55/AZI	160 (6.30)	14 (.551)	32 (1.26)	21 (.83)	32.5 (1.28)	20 (.79)	6 (.24)	4 (.16)	26 (1.02)	80 (3.15)	M8 x 1.25	size 2
16KE55/DZI	16KE55/AZI		16 (.630)										
18KE56/DZI	18KE56/AZI	200 (7.87)	18 (.709)	38 (1.50)	26 (1.02)	36.5 (1.44)	24 (.94)	6 (.24)	4 (.16)	26 (1.02)	80 (3.15)	M8 x 1.25	size 3
20KE56/DZI	20KE56/AZI		20 (.787)										
22KE57/DZI	22KE57/AZI	250 (9.84)	22 (.866)	45 (1.77)	30 (1.18)	47.5 (1.87)	28 (1.10)	12 (.47)	4 (.16)	28 (1.10)	90 (3.54)	M10 x 1.5	size 4



Engage by Pushing

Dimensions in: millimeters (*inches*)

Part Number		d ₁	H ₇ d ₂ (tol.) Bore with keyway	d ₃	d ₄ max.	l ₁	l ₂	l ₃	w min.	Handle Diameter	Handle Length	Handle Thread	Coupling GN 000.4
With Handle	Without Handle												
12KE53/DDR	12KE53/ADR	125 (4.92)	12 (.472)	28 (1.10)	17 (.67)	28.5 (1.12)	18 (.71)	5 (.20)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 1
12KE54/DDR	12KE54/ADR	140 (5.51)	12 (.472)	28 (1.10)	17 (.67)	28.5 (1.12)	18 (.71)	5 (.20)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 1
14KE54/DDR	14KE54/ADR	140 (5.51)	14 (.551)	32 (1.26)	21 (.83)	32.5 (1.28)	20 (.79)	6 (.24)	4 (.16)	23 (.91)	65 (2.56)	M8 x 1.25	size 2
16KE54/DDR	16KE54/ADR		16 (.630)										
14KE55/DDR	14KE55/ADR	160 (6.30)	14 (.551)	32 (1.26)	21 (.83)	32.5 (1.28)	20 (.79)	6 (.24)	4 (.16)	26 (1.02)	80 (3.15)	M8 x 1.25	size 2
16KE55/DDR	16KE55/ADR		16 (.630)										
18KE56/DDR	18KE56/ADR	200 (7.87)	18 (.709)	38 (1.50)	26 (1.02)	36.5 (1.44)	24 (.94)	6 (.24)	4 (.16)	26 (1.02)	80 (3.15)	M8 x 1.25	size 3
20KE56/DDR	20KE56/ADR		20 (.787)										
22KE57/DDR	22KE57/ADR	250 (9.84)	22 (.866)	45 (1.77)	30 (1.18)	47.5 (1.87)	28 (1.10)	12 (.47)	4 (.16)	28 (1.10)	90 (3.54)	M10 x 1.5	size 4