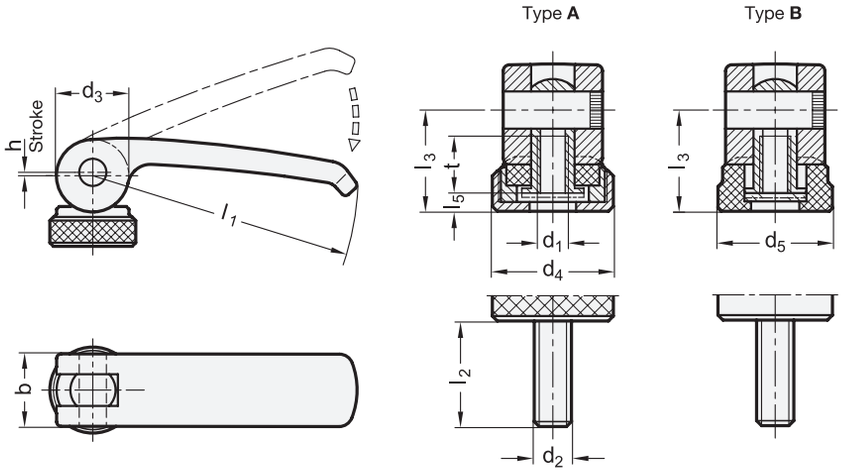
Clamping Levers with Eccentrical Cam

Steel Components, Plastic Contact Plate



Inch | Metric

iF product design award

4 Type

A Plastic contact plate with setting nut

B Plastic contact plate without setting nut

Specification

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- **GN 927**
  Lever body
  Zinc die-cast
  Powder coated
  (abrasion-proof epoxy resin)
  Black, RAL 9005 — B
  Orange, RAL 2004 — O
  Red, RAL 3000 — R
  Silver, RAL 9006 — S
- **GN 927.3**
  Lever body
  Steel, zinc plated, blue passivated finish
- Type A
  - Assembly pin, lag nut / screw, setting nut / screw
    Steel, zinc plated, blue passivated finish
  - Contact plate
    Plastic
    Technopolymer (Polyacetal POM)
    Glass fiber reinforced
- Type B
  - Assembly pin, lag nut / screw
    Steel, zinc plated, blue passivated finish
  - Contact plate
    Plastic
    Technopolymer (Polyamide PA)
    Glass fiber reinforced
- *Plastic Characteristics → page 2135*
- RoHS compliant

Information

GN 927 / GN 927.3 clamping levers with eccentrical cam are used for rapid clamping and releasing operations. In contrast to a clamping operation utilizing threads, these levers permit torque-free clamping via a combined downward vertical and cam actuated motion.

The lever has been designed to ensure that its movement cannot exceed the maximum clamping position.

There are no loose components since all are assembled and mounted in their correct order.

Advantages of the type A:

The distance between the eccentrical cam and the contact surface is adjustable by means of a fine threaded knurled nut. This permits the maximum clamping force to be set by a simple adjustment. In addition this also permits the selection of a preferred lever position in relation to the clamping lever pin.

see also...
- *Clamping and Manual Forces → page XYZ*

How to order (Inch, zinc die-cast lever)

1 2 3 4 5
GN 927-82-5/16X18-40-A-B

1	Lever length l_1
2	Thread d_2
3	Thread length l_2
4	Type
5	Color

How to order (Metric, steel lever)

1 2 3
GN 927.3-101-M8-B

1	Lever length l_1
2	Thread d_2
4	Type

Inch table

Dimensions in: inches - *millimeters*

[1] l_1	[2] d_1	[2] d_2	[3] l_2 In clamping position							b	d_3	d_4	d_5	h Stroke at 90° lever movement	l_3 In clamping position	l_4 Adjusable range	l_5 In clamping position	t Usable thread length
1.73 *44*	8 x 32	8 x 32	0.47 *12*	0.63 *16*	0.79 *20*	0.98 *25*	1.18 *30*	-	-	0.47 *12*	0.47 *12*	0.59 *15*	0.55 *14*	0.02 *0.5*	0.52 *13.2*	0.08 *2*	0.09 *2.2*	0.31 *8*
1.73 *44*	10 x 32	10 x 32	0.47 *12*	0.63 *16*	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	0.47 *12*	0.47 *12*	0.59 *15*	0.55 *14*	0.02 *0.5*	0.52 *13.2*	0.08 *2*	0.09 *2.2*	0.31 *8*
2.48 *63*	10 x 32	10 x 32	0.63 *16*	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	0.63 *16*	0.63 *16*	0.75 *19*	0.73 *18.5*	0.03 *0.75*	0.64 *16.3*	0.10 *2.5*	0.12 *3*	0.39 *10*
2.48 *63*	1/4 x 20	1/4 x 20	0.63 *16*	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	0.63 *16*	0.63 *16*	0.75 *19*	0.73 *18.5*	0.03 *0.75*	0.64 *16.3*	0.10 *2.5*	0.12 *3*	0.39 *10*
3.23 *82*	1/4 x 20	1/4 x 20	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	2.36 *60*	0.79 *20*	0.79 *20*	0.98 *25*	0.89 *22.5*	0.04 *1*	0.77 *19.5*	0.12 *3*	0.15 *3.7*	0.47 *12*
3.23 *82*	5/16 x 18	5/16 x 18	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	2.36 *60*	0.79 *20*	0.79 *20*	0.98 *25*	0.89 *22.5*	0.04 *1*	0.77 *19.5*	0.12 *3*	0.15 *3.7*	0.47 *12*
3.98 *101*	5/16 x 18	5/16 x 18	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	2.36 *60*	0.98 *25*	1.02 *26*	1.18 *30*	1.06 *27*	0.06 *1.5*	1.00 *25.3*	0.16 *4*	0.19 *4.8*	0.59 *15*
3.98 *101*	3/8 x 16	3/8 x 16	0.79 *20*	0.98 *25*	1.18 *30*	1.38 *35*	1.57 *40*	1.97 *50*	2.36 *60*	0.98 *25*	1.02 *26*	1.18 *30*	1.06 *27*	0.06 *1.5*	1.00 *25.3*	0.16 *4*	0.19 *4.8*	0.59 *15*

Metric table

Dimensions in: millimeters - *inches*

[1] l_1	[2] d_1	[2] d_2	[3] l_2 In clamping position							b	d_3	d_4	d_5	h Stroke at 90° lever movement	l_3 In clamping position	l_4 Adjustable range	l_5 In clamping position	t Usable thread length
44 *1.73*	M 4	M 4	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	30 *1.18*	-	-	12 *0.47*	12 *0.47*	15 *0.59*	14 *0.55*	0.5 *0.02*	13.2 *0.52*	2 *0.08*	2.2 *0.09*	8 *0.31*
44 *1.73*	M 5	M 5	12 *0.47*	16 *0.63*	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	12 *0.47*	12 *0.47*	15 *0.59*	14 *0.55*	0.5 *0.02*	13.2 *0.52*	2 *0.08*	2.2 *0.09*	8 *0.31*
63 *2.48*	M 5	M 5	16 *0.63*	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	16 *0.63*	16 *0.63*	19 *0.75*	18.5 *0.73*	0.75 *0.03*	16.3 *0.64*	2.5 *0.10*	3 *0.12*	10 *0.39*
63 *2.48*	M 6	M 6	16 *0.63*	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	16 *0.63*	16 *0.63*	19 *0.75*	18.5 *0.73*	0.75 *0.03*	16.3 *0.64*	2.5 *0.10*	3 *0.12*	10 *0.39*
82 *3.23*	M 6	M 6	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	60 *2.36*	20 *0.79*	20 *0.79*	25 *0.98*	22.5 *0.89*	1 *0.04*	19.5 *0.77*	3 *0.12*	3.7 *0.15*	12 *0.47*
82 *3.23*	M 8	M 8	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	60 *2.36*	20 *0.79*	20 *0.79*	25 *0.98*	22.5 *0.89*	1 *0.04*	19.5 *0.77*	3 *0.12*	3.7 *0.15*	12 *0.47*
101 *3.98*	M 8	M 8	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	60 *2.36*	25 *0.98*	26 *1.02*	30 *1.18*	27 *1.06*	1.5 *0.06*	25.3 *1.00*	4 *0.16*	4.8 *0.19*	15 *0.59*
101 *3.98*	M 10	M 10	20 *0.79*	25 *0.98*	30 *1.18*	35 *1.38*	40 *1.57*	50 *1.97*	60 *2.36*	25 *0.98*	26 *1.02*	30 *1.18*	27 *1.06*	1.5 *0.06*	25.3 *1.00*	4 *0.16*	4.8 *0.19*	15 *0.59*