

Clamping Levers with Eccentric Cam

Lever Zinc Die Casting, Contact Plate Plastic, with Internal Thread / with Threaded Stud

SPECIFICATION

Types

- Type **A**: Plastic contact plate with setting nut
- Type **B**: Plastic contact plate without setting nut

Lever

- Zinc die casting
Powder coated
(abrasion proof epoxy resin)
- Black, RAL 9005 **B**
 - Orange, RAL 2004 **O**
 - Red, RAL 3000 **R**
 - Silver, RAL 9006 **S**

Axis

- Stainless steel AISI 303
Chemically nickel plated

Lag nut / Lag screw / Setting nut

- Steel
Zinc plated, blue passivated

Contact plate

- Plastic, glass fiber reinforced
- Polyacetal (POM) for type A
 - Polyamide (PA) for type B



INFORMATION

Clamping levers with eccentric cam GN 927 are used for rapid clamping and releasing. Hereby, contrary to a clamping operation via a thread, these levers permit a torque-free clamping.

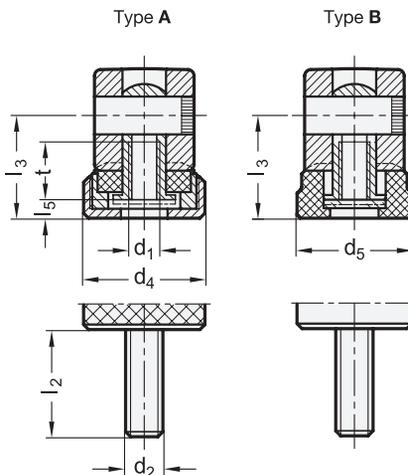
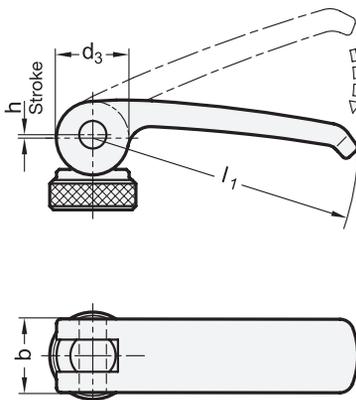
The lever has been designed to ensure that its movement cannot exceed the max. clamping force. There are no loose components since they are all assembled and mounted in their correct order.

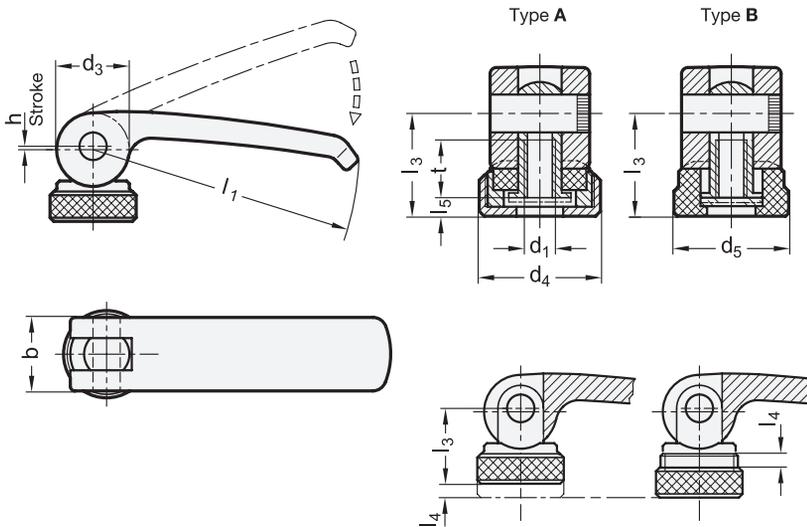
The type A has the following advantages:

The distance between the lever cam and the clamping surface is adjustable via a fine pitch thread, allowing the clamping position to be set easily with maximum clamping force. Also, the position of the lever relative to the clamping axis can be determined.

TECHNICAL INFORMATION

- Constructional Features (Type A) / Application Examples (see page)
- Clamping and manual forces in clamping levers with eccentric cam (see page)
- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)





* Complete with colour index of the Clamping lever (B, O, R or S)

B	O	R	S
RAL9005	RAL2004	RAL3000	RAL9006

GN 927-A-With internal thread, plastic contact plate with setting nut

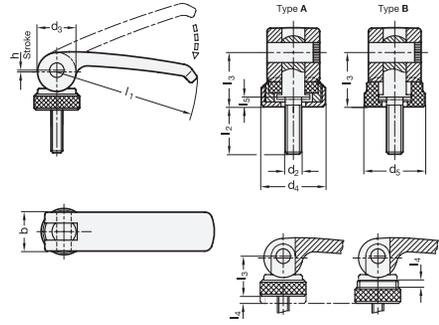
Description	l ₁	d ₁	b	d ₃	d ₄	h Stroke at 90° lever movement	l ₃ In clamping position	l ₄ Adjustable range	l ₅ In clamping position	t Useable thread length	⚖
GN 927-44-M4-A-*	44	M 4	12	12	15	0.5	13.2	2	2.2	8	27
GN 927-44-M5-A-*	44	M 5	12	12	15	0.5	13.2	2	2.2	8	27
GN 927-63-M5-A-*	63	M 5	16	16	19	0.75	16.3	2.5	3	10	56
GN 927-63-M6-A-*	63	M 6	16	16	19	0.75	16.3	2.5	3	10	55
GN 927-82-M6-A-*	82	M 6	20	20	25	1	19.5	3	3.7	12	110
GN 927-82-M8-A-*	82	M 8	20	20	25	1	19.5	3	3.7	12	107
GN 927-101-M8-A-*	101	M 8	25	26	30	1.5	25.3	4	4.8	15	212
GN 927-101-M10-A-*	101	M 10	25	26	30	1.5	25.3	4	4.8	15	208

GN 927-B-With internal thread, plastic contact plate without setting nut

Description	l ₁	d ₁	b	d ₃	d ₅	h Stroke at 90° lever movement	l ₃ In clamping position	l ₅ In clamping position	t Useable thread length	⚖
GN 927-44-M4-B-*	44	M 4	12	12	14	0.5	13.2	2.2	8	24
GN 927-44-M5-B-*	44	M 5	12	12	14	0.5	13.2	2.2	8	24
GN 927-63-M5-B-*	63	M 5	16	16	18.5	0.75	16.3	3	10	52
GN 927-63-M6-B-*	63	M 6	16	16	18.5	0.75	16.3	3	10	51
GN 927-82-M6-B-*	82	M 6	20	20	22.5	1	19.5	3.7	12	90
GN 927-82-M8-B-*	82	M 8	20	20	22.5	1	19.5	3.7	12	96
GN 927-101-M8-B-*	101	M 8	25	26	27	1.5	25.3	4.8	15	185
GN 927-101-M10-B-*	101	M 10	25	26	27	1.5	25.3	4.8	15	182

Weight type S





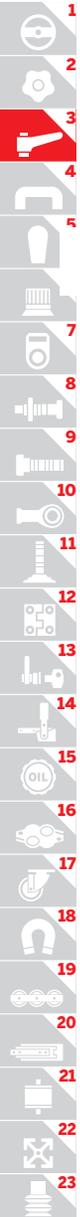
* Complete with colour index of the Clamping lever (B, O, R or S)

 B	 O	 R	 S
RAL9005	RAL2004	RAL3000	RAL9006

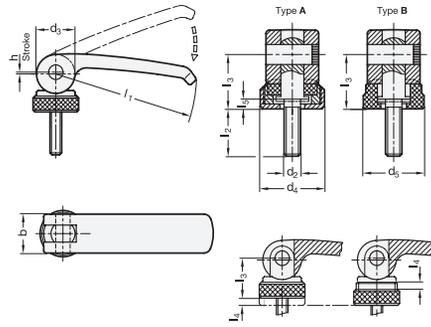
GN 927-A-With threaded stud, plastic contact plate with setting nut

Description	l1	d2	l2 In clamping position	b	d3	d4	h Stroke at 90° lever movement	l3 In clamping position	l4 Adjustable range	l5 In clamping position	
GN 927-44-M4-12-A*	44	M 4	12	12	12	15	0.5	13.2	2	2.2	27
GN 927-44-M4-16-A*	44	M 4	16	12	12	15	0.5	13.2	2	2.2	29
GN 927-44-M4-20-A*	44	M 4	20	12	12	15	0.5	13.2	2	2.2	29
GN 927-44-M4-25-A*	44	M 4	25	12	12	15	0.5	13.2	2	2.2	29
GN 927-44-M4-30-A*	44	M 4	30	12	12	15	0.5	13.2	2	2.2	30
GN 927-44-M5-12-A*	44	M 5	12	12	12	15	0.5	13.2	2	2.2	29
GN 927-44-M5-16-A*	44	M 5	16	12	12	15	0.5	13.2	2	2.2	29
GN 927-44-M5-20-A*	44	M 5	20	12	12	15	0.5	13.2	2	2.2	30
GN 927-44-M5-25-A*	44	M 5	25	12	12	15	0.5	13.2	2	2.2	30
GN 927-44-M5-30-A*	44	M 5	30	12	12	15	0.5	13.2	2	2.2	31
GN 927-44-M5-35-A*	44	M 5	35	12	12	15	0.5	13.2	2	2.2	32
GN 927-44-M5-40-A*	44	M 5	40	12	12	15	0.5	13.2	2	2.2	32
GN 927-63-M5-16-A*	63	M 5	16	16	16	19	0.75	16.3	2.5	3	55
GN 927-63-M5-20-A*	63	M 5	20	16	16	19	0.75	16.3	2.5	3	60
GN 927-63-M5-25-A*	63	M 5	25	16	16	19	0.75	16.3	2.5	3	62
GN 927-63-M5-30-A*	63	M 5	30	16	16	19	0.75	16.3	2.5	3	60
GN 927-63-M5-35-A*	63	M 5	35	16	16	19	0.75	16.3	2.5	3	63
GN 927-63-M5-40-A*	63	M 5	40	16	16	19	0.75	16.3	2.5	3	63
GN 927-63-M5-50-A*	63	M 5	50	16	16	19	0.75	16.3	2.5	3	64
GN 927-63-M6-16-A*	63	M 6	16	16	16	19	0.75	16.3	2.5	3	58
GN 927-63-M6-20-A*	63	M 6	20	16	16	19	0.75	16.3	2.5	3	60
GN 927-63-M6-25-A*	63	M 6	25	16	16	19	0.75	16.3	2.5	3	63
GN 927-63-M6-30-A*	63	M 6	30	16	16	19	0.75	16.3	2.5	3	64
GN 927-63-M6-35-A*	63	M 6	35	16	16	19	0.75	16.3	2.5	3	65
GN 927-63-M6-40-A*	63	M 6	40	16	16	19	0.75	16.3	2.5	3	66
GN 927-63-M6-50-A*	63	M 6	50	16	16	19	0.75	16.3	2.5	3	68
GN 927-82-M6-20-A*	82	M 6	20	20	20	25	1	19.5	3	3.7	118
GN 927-82-M6-25-A*	82	M 6	25	20	20	25	1	19.5	3	3.7	118
GN 927-82-M6-30-A*	82	M 6	30	20	20	25	1	19.5	3	3.7	120
GN 927-82-M6-35-A*	82	M 6	35	20	20	25	1	19.5	3	3.7	120
GN 927-82-M6-40-A*	82	M 6	40	20	20	25	1	19.5	3	3.7	120
GN 927-82-M6-50-A*	82	M 6	50	20	20	25	1	19.5	3	3.7	122
GN 927-82-M6-60-A*	82	M 6	60	20	20	25	1	19.5	3	3.7	120
GN 927-82-M8-20-A*	82	M 8	20	20	20	25	1	19.5	3	3.7	110
GN 927-82-M8-25-A*	82	M 8	25	20	20	25	1	19.5	3	3.7	122
GN 927-82-M8-30-A*	82	M 8	30	20	20	25	1	19.5	3	3.7	120
GN 927-82-M8-35-A*	82	M 8	35	20	20	25	1	19.5	3	3.7	125
GN 927-82-M8-40-A*	82	M 8	40	20	20	25	1	19.5	3	3.7	125
GN 927-82-M8-50-A*	82	M 8	50	20	20	25	1	19.5	3	3.7	130
GN 927-82-M8-60-A*	82	M 8	60	20	20	25	1	19.5	3	3.7	135
GN 927-101-M8-20-A*	101	M 8	20	25	26	30	1.5	25.3	4	4.8	224
GN 927-101-M8-25-A*	101	M 8	25	25	26	30	1.5	25.3	4	4.8	227
GN 927-101-M8-30-A*	101	M 8	30	25	26	30	1.5	25.3	4	4.8	227
GN 927-101-M8-35-A*	101	M 8	35	25	26	30	1.5	25.3	4	4.8	228
GN 927-101-M8-40-A*	101	M 8	40	25	26	30	1.5	25.3	4	4.8	232
GN 927-101-M8-50-A*	101	M 8	50	25	26	30	1.5	25.3	4	4.8	233
GN 927-101-M8-60-A*	101	M 8	60	25	26	30	1.5	25.3	4	4.8	237
GN 927-101-M10-20-A*	101	M 10	20	25	26	30	1.5	25.3	4	4.8	203
GN 927-101-M10-25-A*	101	M 10	25	25	26	30	1.5	25.3	4	4.8	229
GN 927-101-M10-30-A*	101	M 10	30	25	26	30	1.5	25.3	4	4.8	233
GN 927-101-M10-35-A*	101	M 10	35	25	26	30	1.5	25.3	4	4.8	237
GN 927-101-M10-40-A*	101	M 10	40	25	26	30	1.5	25.3	4	4.8	238
GN 927-101-M10-50-A*	101	M 10	50	25	26	30	1.5	25.3	4	4.8	245
GN 927-101-M10-60-A*	101	M 10	60	25	26	30	1.5	25.3	4	4.8	250

Weight type S



Clamping levers 3



* Complete with colour index of the Clamping lever (B, O, R or S)



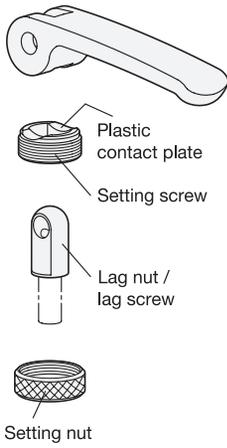
GN927-B-With threaded stud, plastic contact plate without setting nut

Description	l1	d2	l2 In clamping position	b	d3	d5	h Stroke at 90° lever movement	l3 In clamping position	l5 In clamping position	⚖
GN 927-44-M4-12-B-*	44	M 4	12	12	12	14	0.5	13.2	2.2	24
GN 927-44-M4-16-B-*	44	M 4	16	12	12	14	0.5	13.2	2.2	26
GN 927-44-M4-20-B-*	44	M 4	20	12	12	14	0.5	13.2	2.2	26
GN 927-44-M4-25-B-*	44	M 4	25	12	12	14	0.5	13.2	2.2	26
GN 927-44-M4-30-B-*	44	M 4	30	12	12	14	0.5	13.2	2.2	27
GN 927-44-M5-12-B-*	44	M 5	12	12	12	14	0.5	13.2	2.2	26
GN 927-44-M5-16-B-*	44	M 5	16	12	12	14	0.5	13.2	2.2	26
GN 927-44-M5-20-B-*	44	M 5	20	12	12	14	0.5	13.2	2.2	27
GN 927-44-M5-25-B-*	44	M 5	25	12	12	14	0.5	13.2	2.2	27
GN 927-44-M5-30-B-*	44	M 5	30	12	12	14	0.5	13.2	2.2	28
GN 927-44-M5-35-B-*	44	M 5	35	12	12	14	0.5	13.2	2.2	29
GN 927-44-M5-40-B-*	44	M 5	40	12	12	14	0.5	13.2	2.2	29
GN 927-63-M5-16-B-*	63	M 5	16	16	16	18.5	0.75	16.3	3	56
GN 927-63-M5-20-B-*	63	M 5	20	16	16	18.5	0.75	16.3	3	55
GN 927-63-M5-25-B-*	63	M 5	25	16	16	18.5	0.75	16.3	3	56
GN 927-63-M5-30-B-*	63	M 5	30	16	16	18.5	0.75	16.3	3	56
GN 927-63-M5-35-B-*	63	M 5	35	16	16	18.5	0.75	16.3	3	56
GN 927-63-M5-40-B-*	63	M 5	40	16	16	18.5	0.75	16.3	3	56
GN 927-63-M5-50-B-*	63	M 5	50	16	16	18.5	0.75	16.3	3	56
GN 927-63-M6-16-B-*	63	M 6	16	16	16	18.5	0.75	16.3	3	56
GN 927-63-M6-20-B-*	63	M 6	20	16	16	18.5	0.75	16.3	3	56
GN 927-63-M6-25-B-*	63	M 6	25	16	16	18.5	0.75	16.3	3	56
GN 927-63-M6-30-B-*	63	M 6	30	16	16	18.5	0.75	16.3	3	60
GN 927-63-M6-35-B-*	63	M 6	35	16	16	18.5	0.75	16.3	3	60
GN 927-63-M6-40-B-*	63	M 6	40	16	16	18.5	0.75	16.3	3	59
GN 927-63-M6-50-B-*	63	M 6	50	16	16	18.5	0.75	16.3	3	60
GN 927-82-M6-20-B-*	82	M 6	20	20	20	22.5	1	19.5	3.7	122
GN 927-82-M6-25-B-*	82	M 6	25	20	20	22.5	1	19.5	3.7	12
GN 927-82-M6-30-B-*	82	M 6	30	20	20	22.5	1	19.5	3.7	122
GN 927-82-M6-35-B-*	82	M 6	35	20	20	22.5	1	19.5	3.7	122
GN 927-82-M6-40-B-*	82	M 6	40	20	20	22.5	1	19.5	3.7	122
GN 927-82-M6-50-B-*	82	M 6	50	20	20	22.5	1	19.5	3.7	122
GN 927-82-M6-60-B-*	82	M 6	60	20	20	22.5	1	19.5	3.7	122
GN 927-82-M8-20-B-*	82	M 8	20	20	20	22.5	1	19.5	3.7	122
GN 927-82-M8-25-B-*	82	M 8	25	20	20	22.5	1	19.5	3.7	100
GN 927-82-M8-30-B-*	82	M 8	30	20	20	22.5	1	19.5	3.7	107
GN 927-82-M8-35-B-*	82	M 8	35	20	20	22.5	1	19.5	3.7	108
GN 927-82-M8-40-B-*	82	M 8	40	20	20	22.5	1	19.5	3.7	110
GN 927-82-M8-50-B-*	82	M 8	50	20	20	22.5	1	19.5	3.7	120
GN 927-82-M8-60-B-*	82	M 8	60	20	20	22.5	1	19.5	3.7	120
GN 927-101-M8-20-B-*	101	M 8	20	25	26	27	1.5	25.3	4.8	199
GN 927-101-M8-25-B-*	101	M 8	25	25	26	27	1.5	25.3	4.8	200
GN 927-101-M8-30-B-*	101	M 8	30	25	26	27	1.5	25.3	4.8	201
GN 927-101-M8-35-B-*	101	M 8	35	25	26	27	1.5	25.3	4.8	203
GN 927-101-M8-40-B-*	101	M 8	40	25	26	27	1.5	25.3	4.8	208
GN 927-101-M8-50-B-*	101	M 8	50	25	26	27	1.5	25.3	4.8	208
GN 927-101-M8-60-B-*	101	M 8	60	25	26	27	1.5	25.3	4.8	210
GN 927-101-M10-20-B-*	101	M 10	20	25	26	27	1.5	25.3	4.8	205
GN 927-101-M10-25-B-*	101	M 10	25	25	26	27	1.5	25.3	4.8	204
GN 927-101-M10-30-B-*	101	M 10	30	25	26	27	1.5	25.3	4.8	207
GN 927-101-M10-35-B-*	101	M 10	35	25	26	27	1.5	25.3	4.8	208
GN 927-101-M10-40-B-*	101	M 10	40	25	26	27	1.5	25.3	4.8	215
GN 927-101-M10-50-B-*	101	M 10	50	25	26	27	1.5	25.3	4.8	215
GN 927-101-M10-60-B-*	101	M 10	60	25	26	27	1.5	25.3	4.8	224

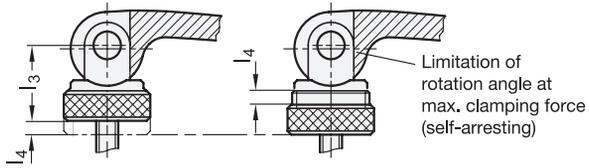
Weight type S



Constructional features (Type A)

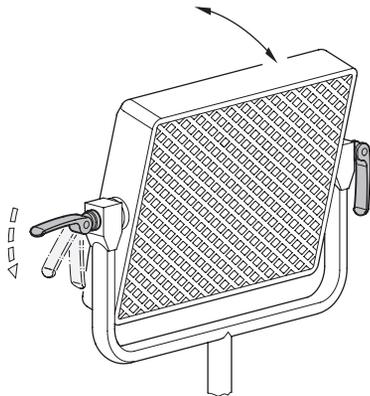


l_4 adjustable by the setting screw for optimum clamping force at the preferred lever position.



l_4 must not be exceeded. Otherwise there is the risk that the positioning thread can no longer absorb the clamping force or may be damaged.

Application examples



Lighting tripod, camera tripod or speaker tripod etc. with tilt adjustment

Shelf tray or storage tray etc. with linear adjustment

