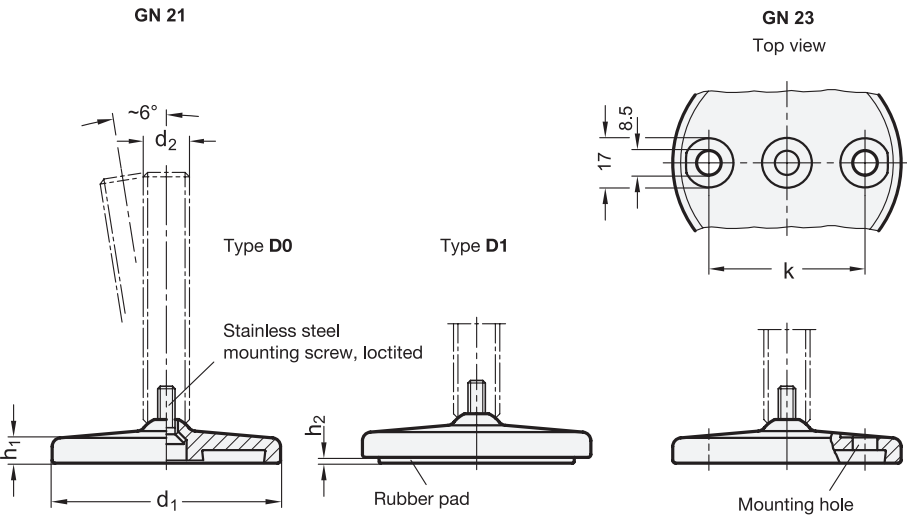




SS

Stainless
Steel

4 Type (Base)

- D0 Fine turned,
without rubber pad
- D1 Fine turned,
with rubber pad inlay, black

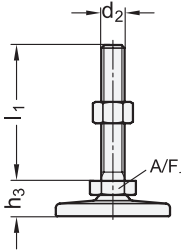
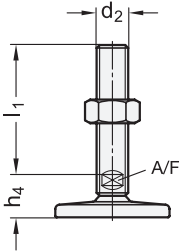
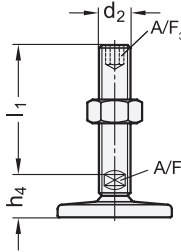
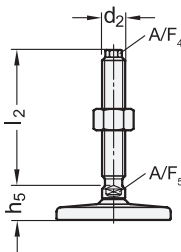
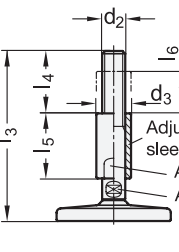
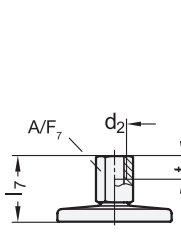
Inch table

Dimensions in: inches - *millimeters*

1 d ₁	2 d ₂	3 l ₁ Version S / SK				Version U / UK				3 l ₇ Version X
3.15 80	5/16 x 18	-	-	-	-	-	-	-	-	1.34 34
3.15 80	3/8 x 16	2.95 75	3.94 100	4.92 125	5.91 150	-	-	-	-	1.46 37
3.15 80	1/2 x 13	2.95 75	3.94 100	4.92 125	5.91 150	-	-	-	-	1.57 40
3.15 80	5/8 x 11	-	-	-	-	2.95 75	3.94 100	4.92 125	5.91 150	1.81 46
3.15 80	3/4 x 10	-	-	-	-	3.94 100	4.92 125	5.91 150	-	2.13 54
3.94 100	5/16 x 18	-	-	-	-	-	-	-	-	1.38 35
3.94 100	3/8 x 16	2.95 75	3.94 100	4.92 125	5.91 150	-	-	-	-	1.50 38
3.94 100	1/2 x 13	2.95 75	3.94 100	4.92 125	5.91 150	-	-	-	-	1.61 41
3.94 100	5/8 x 11	-	-	-	-	2.95 75	3.94 100	4.92 125	5.91 150	1.85 47
3.94 100	3/4 x 10	-	-	-	-	3.94 100	4.92 125	5.91 150	-	2.17 55
4.72 120	3/4 x 10	-	-	-	-	3.94 100	4.92 125	5.91 150	-	2.32 59

d ₁	d ₂	h ₁	h ₂	h ₃	h ₄	k	A/F ₁	A/F ₂	A/F ₃	A/F ₇	t
3.15 80	5/16 x 18	0.33 8.5	0.08 2	-	-	2.15 54.5	-	-	-	1/2	0.31 8
3.15 80	3/8 x 16	0.33 8.5	0.08 2	0.77 19.5	-	2.15 54.5	11/16	-	-	1/2	0.39 10
3.15 80	1/2 x 13	0.33 8.5	0.08 2	0.77 19.5	-	2.15 54.5	11/16	-	-	5/8	0.47 12
3.15 80	5/8 x 11	0.33 8.5	0.08 2	-	1.00 25.5	2.15 54.5	-	1/2	5/16	7/8	0.63 16
3.15 80	3/4 x 10	0.33 8.5	0.08 2	-	1.06 27	2.15 54.5	-	9/16	7/16	1	0.79 20
3.94 100	5/16 x 18	0.35 9	0.12 3	-	-	2.78 70.5	-	-	-	1/2	0.31 8
3.94 100	3/8 x 16	0.35 9	0.12 3	0.81 20.5	-	2.78 70.5	11/16	-	-	1/2	0.39 10
3.94 100	1/2 x 13	0.35 9	0.12 3	0.81 20.5	-	2.78 70.5	11/16	-	-	5/8	0.47 12
3.94 100	5/8 x 11	0.35 9	0.12 3	-	1.04 26.5	2.78 70.5	-	1/2	5/16	7/8	0.63 16
3.94 100	3/4 x 10	0.35 9	0.12 3	-	1.10 28	2.78 70.5	-	9/16	7/16	1	0.79 20
4.72 120	3/4 x 10	0.47 12	0.14 3.5	-	1.26 32	3.76 95.5	-	9/16	7/16	1	0.79 20

Stud / socket versions

 5 S Without nut SK With nut	 5 T* Without nut TK* With nut	 5 U Without nut UK With nut
External hex at the bottom at d ₂ 3/8 x 16, 1/2 x 13 M 8, M 10, M 12	Wrench flat at the bottom at d ₂ - M 16, M 20, M 24, M 30	Internal hex at the top, wrench flat at the bottom at d ₂ 5/8 x 11, 3/4 x 10 M 16, M 20, M 24, M 30
 5 V* Without nut VK* With nut	 5 W* With adjustable sleeve	 5 X Tapped socket type
External hex at the top, wrench flat at the bottom at d ₂ - M 16, M 20, M 24	Covered thread, wrench flat at the bottom at d ₂ - M 16, M 20, M 24	External hex with tapped socket at d ₂ 5/16 x 18, 3/8 x 16, 1/2 x 13, 5/8 x 11, 3/4 x 10 M 8, M 10, M 12, M 16, M 20

* Only available with Metric thread

Metric table

Dimensions in: millimeters - *inches*

1 d₁	2 d₂	3 l₁ Version S / SK	3 l₂ Version V / VK	3 l₃ ≈ Version W	3 l₇ Version X
		Version T / TK and U / UK			
80 3.15	M 8	40 1.57	50 1.97	63 2.48	-
80 3.15	M 10	50 1.97	60 2.36	80 3.15	100 3.94
80 3.15	M 12	60 2.36	80 3.15	100 3.94	125 4.92
80 3.15	M 16	-	-	-	-
80 3.15	M 20	-	-	-	-
80 3.15	M 24	-	-	-	-
100 3.94	M 8	40 1.57	50 1.97	63 2.48	-
100 3.94	M 10	50 1.97	60 2.36	80 3.15	100 3.94
100 3.94	M 12	60 2.36	80 3.15	100 3.94	125 4.92
100 3.94	M 16	-	-	-	-
100 3.94	M 20	-	-	-	-
100 3.94	M 24	-	-	-	-
120 4.72	M 20	-	-	-	-
120 4.72	M 24	-	-	-	-
120 4.72	M 30	-	-	-	-

d ₁	d ₂	d ₃	h ₁	h ₂	h ₃	h ₄	h ₅	k	l ₄	l ₅	l ₆	A/F ₁	A/F ₂	A/F ₃	A/F ₄	A/F ₅	A/F ₆	A/F ₇	t
80 3.15	M 8	-	8.5 0.33	2 0.08	19.5 0.77	-	-	54.5 2.15	-	-	-	17 0.67	-	-	-	-	-	14 0.55	8 0.31
80 3.15	M 10	-	8.5 0.33	2 0.08	19.5 0.77	-	-	54.5 2.15	-	-	-	17 0.67	-	-	-	-	-	14 0.55	10 0.39
80 3.15	M 12	-	8.5 0.33	2 0.08	19.5 0.77	-	-	54.5 2.15	-	-	-	17 0.67	-	-	-	-	-	17 0.67	12 0.47
80 3.15	M 16	24 0.94	8.5 0.33	2 0.08	-	25.5 1.00	21.5 0.85	54.5 2.15	45 1.77	45 1.77	29 1.14	-	12 0.47	8 0.31	10 0.39	12 0.47	20 0.79	22 0.87	16 0.63
80 3.15	M 20	30 1.18	8.5 0.33	2 0.08	-	27 1.06	23 0.91	54.5 2.15	56 2.20	56 2.20	36 1.42	-	15 0.59	10 0.39	13 0.51	16 0.63	24 0.94	27 1.06	20 0.79
80 3.15	M 24	35 1.38	8.5 0.33	2 0.08	-	30.5 1.20	26 1.02	54.5 2.15	67 2.64	67 2.64	42 1.65	-	19 0.75	12 0.47	17 0.67	20 0.79	30 1.18	-	-
100 3.94	M 8	-	9 0.35	3 0.12	20.5 0.81	-	-	70.5 2.78	-	-	-	17 0.67	-	-	-	-	-	14 0.55	8 0.31
100 3.94	M 10	-	9 0.35	3 0.12	20.5 0.81	-	-	70.5 2.78	-	-	-	17 0.67	-	-	-	-	-	14 0.55	10 0.39
100 3.94	M 12	-	9 0.35	3 0.12	20.5 0.81	-	-	70.5 2.78	-	-	-	17 0.67	-	-	-	-	-	17 0.67	12 0.47
100 3.94	M 16	24 0.94	9 0.35	3 0.12	-	26.5 1.04	22.5 0.89	70.5 2.78	45 1.77	45 1.77	32 1.26	-	12 0.47	8 0.31	10 0.39	12 0.47	20 0.79	22 0.87	16 0.63
100 3.94	M 20	30 1.18	9 0.35	3 0.12	-	28 1.10	24 0.94	70.5 2.78	56 2.20	56 2.20	40 1.57	-	15 0.59	10 0.39	13 0.51	16 0.63	24 0.94	27 1.06	20 0.79
100 3.94	M 24	35 1.38	9 0.35	3 0.12	-	31.5 1.24	27 1.06	70.5 2.78	67 2.64	67 2.64	48 1.89	-	19 0.75	12 0.47	17 0.67	20 0.79	30 1.18	-	-
120 4.72	M 20	-	12 0.47	3.5 0.14	-	32 1.26	-	95.5 3.76	-	-	-	-	15 0.59	10 0.39	-	-	-	27 1.06	20 0.79
120 4.72	M 24	-	12 0.47	3.5 0.14	-	35.5 1.40	-	95.5 3.76	-	-	-	-	19 0.75	12 0.47	-	-	-	-	-
120 4.72	M 30	-	12 0.47	3.5 0.14	-	39.5 1.56	-	95.5 3.76	-	-	-	-	24 0.94	12 0.47	-	-	-	-	-

Specification

- Base
Stainless steel AISI 304
- Threaded stud / tapped socket
Stainless steel AISI 303
- Inch size hex nut ANSI / ASME B18.2.2
Stainless steel AISI 304
- Metric size hex nut ISO 4032
Stainless steel AISI 304
- Rubber pad inlay
NBR (Perbunan®) 70 shore A, black
- Load Rating Information → page 2122
- Plastic Characteristics → page 2135
- Stainless Steel Characteristics → page 2143
- RoHS compliant

On request

- Stud versions T / TK, V / VK and W with Inch thread with certain minimum quantities

Information

GN 21 and GN 23 leveling feet have a machined base and higher load ratings. The unique design of the base with the convex mounting area for the concave ended stud provides not only the ability for the stud to swivel, but also does not allow liquids to build up as it will with other ball socket leveling feet. These leveling feet are supplied fully assembled and cannot be disassembled.

see also...

- Leveling Feet GN 31 (Stainless Steel) → page 1546
- Leveling Feet GN 41 (Stainless Steel) → page 1520

How to order (Inch, without mounting holes)	1	Base diameter d ₁
	2	Thread d ₂
	3	Length l ₇ (Length l ₁)
	4	Type (Base)
	5	Stud / socket version
GN 21-80-5/16X18-34-D1-X		

How to order (Metric, with mounting holes)	1	Base diameter d ₁
	2	Thread d ₂
	3	Length l ₁ (Length l ₂ , l ₃ , l ₇)
	4	Type (Base)
	5	Stud / socket version
GN 23-80-M10-50-D0-S		

Load Capacity of Leveling Feet

GN 21 / GN 22 / GN 23 / GN 24

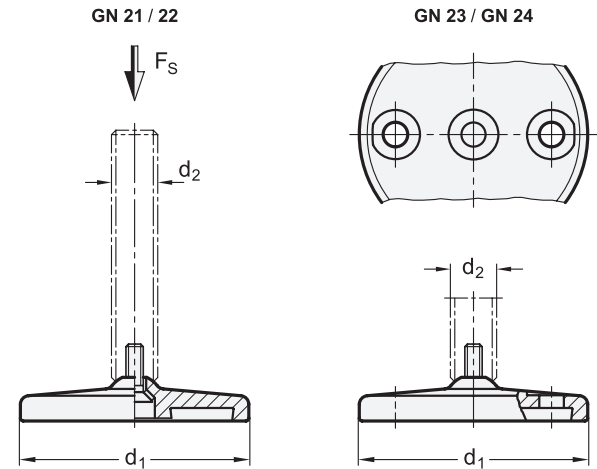
Information

At a stud thread size M 10 and higher, the static load of the GN 21 / GN 22 / GN 23 / GN 24 leveling feet is limited by the permissible contact pressure of the threaded stud on the base (at a stud strength of ≥ 500 N/mm²). The values given in the table (valid for type D0 without rubber pad) are based on a clean pressure load perpendicular to the base.

Bending and buckling stress, which often occurs in practice, lead to a lower load capacity of the threaded stud and may have to be taken into account.

The details given on load capacity are non-binding guide values without any liability. In general, they do not constitute a warranty of quality.

The user must determine from case to case if a product is suitable for the intended use. Ambient influences may affect the specified values.



Metric table

Dimensions in: millimeters / inches

d ₁	d ₂		Static load for stud versions				
	Metric	Inch	S / SK	T / TK and U / UK	V / VK	W	X
80 3.15	M 8	5/16 x 18	6 kN 1349 lbf	-	-	-	17 kN 3822 lbf
80 3.15	M 10	3/8 x 16	11 kN 2473 lbf	-	-	-	17 kN 3822 lbf
80 3.15	M 12	1/2 x 13	16 kN 3597 lbf	-	-	-	17 kN 3822 lbf
80 3.15	M 16	5/8 x 11	-	17 kN 3822 lbf	21 kN 4721 lbf	25 kN 5620 lbf	17 kN 3822 lbf
80 3.15	M 20	3/4 x 10	-	28 kN 6295 lbf	35 kN 7868 lbf	35 kN 7868 lbf	28 kN 6295 lbf
80 3.15	M 24	-	-	46 kN 10341 lbf	52 kN 11690 lbf	52 kN 11690 lbf	-
100 3.94	M 8	5/16 x 18	6 kN 1349 lbf	-	-	-	17 kN 3822 lbf
100 3.94	M 10	3/8 x 16	11 kN 2473 lbf	-	-	-	17 kN 3822 lbf
100 3.94	M 12	1/2 x 13	16 kN 3597 lbf	-	-	-	17 kN 3822 lbf
100 3.94	M 16	5/8 x 11	-	17 kN 3822 lbf	21 kN 4721 lbf	25 kN 5620 lbf	17 kN 3822 lbf
100 3.94	M 20	3/4 x 10	-	28 kN 6295 lbf	35 kN 7868 lbf	35 kN 7868 lbf	28 kN 6295 lbf
100 3.94	M 24	-	-	46 kN 10341 lbf	52 kN 11690 lbf	52 kN 11690 lbf	-
120 4.72	M 20	3/4 x 10	-	28 kN 6295 lbf	-	-	28 kN 6295 lbf
120 4.72	M 24	-	-	46 kN 10341 lbf	-	-	-
120 4.72	M 30	-	-	43 kN 9667 lbf	-	-	-