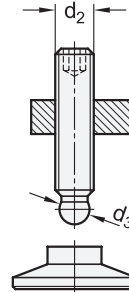


Mounting example



Inch | Metric



SS Stainless Steel

**Specification**



**Material plastic / steel ST**

- Thrust pad  
Plastic, Polyacetal (POM)  
- Operating temperature up to 176 °F (80 °C)  
- Black, matte finish
- Grub screw  
Steel  
- Property class 5.8  
- Blackened finish

**Material plastic / stainless steel NI**

- Thrust pad  
Plastic, Polyacetal (POM)  
- Operating temperature up to 176 °F (80 °C)  
- Black, matte finish
- Grub screw  
Stainless steel AISI 303

**Material stainless steel / stainless steel NV**

- Thrust pad  
- Stainless steel AISI 303  
- O-ring, fluorine rubber (FKM)  
- Operating temperature up to 392 °F (200 °C)
- Grub screw  
Stainless steel AISI 303

RoHS

**Technical Information Page**

Strength Values of Screws	QVX
Plastic Characteristics	QVX
Stainless Steel Characteristics	QVX

Ball jointed leveling feet GN 638 are used for installing and leveling devices or for pressing and clamping.

The plastic thrust pad prevents damage to sensitive surfaces. The stainless steel versions **NI** and **NV** can also be used in more aggressive environments thanks to the materials used.

Together with the thrust pad, the ball thrust point forms a ball joint that eadapts to mounting surfaces that are uneven or not perpendicular to the screw axis. It also prevents the clamping surface from rotating when the thrust pad is in contact to the clamping surface.

The ball jointed leveling feet are supplied unassembled. The ball thrust point of the threaded stud can be easily pressed into the thrust pad and removed again if needed. The ball diameter  $d_3$  is smaller than the core diameter of the thread, with the effect that the threaded stud can be screwed in on the ball side.

The indicated static load serves as a guide value; a corresponding safety factor must be additionally taken into account depending on the application.

see also...	Page
GN 638 Ball Jointed Leveling Feet	QVX
GN 339 Leveling Feet (Steel / Stainless Steel Base, Fixed Type)	QVX
EN 839 Leveling Feet (Plastic Base, Fixed Type)	QVX

**Accessory**

GN 349 Threaded Mounting Plates	QVX
EN 448 Threaded Tube Ends	QVX

How to order (Inch)

**GN 638-15-1/4X20-26-ST**

1	Outer diameter $d_1$
2	Thread $d_2$
3	Stud length $l_1$
4	Material

How to order (Metric)

**GN 638-21-M8-35-NV**

1	Outer diameter $d_1$
2	Thread $d_2$
3	Stud length $l_1$
4	Material

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9  
3.10

### Inch table

Dimensions in: inches / millimeters

<b>d<sub>1</sub></b>		<b>d<sub>2</sub></b>	<b>l<sub>1</sub></b>				<b>d<sub>3</sub> ≈</b>	<b>l<sub>2</sub></b>	<b>A/F</b>	Static load F <sub>s</sub> (See information)	
ST / NI	NV								ST / NI	NV	
0.59 15	-	1/4 x 20	1.02 26	1.42 36	1.81 46	-	0.18 4.5	0.30 7.6	1/8	787 lbf 3.5 kN	-
0.59 15	-	5/16 x 18	0.79 20	1.38 35	1.77 45	2.28 58	0.18 4.5	0.30 7.6	1/8	787 lbf 3.5 kN	-
0.71 18	-	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.36 9.1	3/16	787 lbf 3.5 kN	-
0.83 21	0.83 21	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.39 10	3/16	787 lbf 3.5 kN	2473 lbf 11 kN
0.83 21	0.83 21	1/2 x 13	1.34 34	2.24 57	2.91 74	3.70 94	0.31 7.8	0.39 10	3/16	787 lbf 3.5 kN	3597 lbf 16 kN
0.98 25	0.98 25	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.41 10.5	3/16	787 lbf 3.5 kN	2473 lbf 11 kN
0.98 25	0.98 25	1/2 x 13	1.34 34	2.24 57	2.91 74	3.70 94	0.31 7.8	0.41 10.5	3/16	787 lbf 3.5 kN	3597 lbf 16 kN
1.26 32	1.26 32	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.43 11	3/16	787 lbf 3.5 kN	2473 lbf 11 kN
1.26 32	1.26 32	1/2 x 13	1.34 34	2.24 57	2.91 74	3.70 94	0.31 7.8	0.43 11	3/16	787 lbf 3.5 kN	3597 lbf 16 kN
1.57 40	1.57 40	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.51 13	3/16	787 lbf 3.5 kN	2473 lbf 11 kN
1.57 40	1.57 40	1/2 x 13	1.34 34	2.24 57	2.91 74	3.70 94	0.31 7.8	0.51 13	3/16	787 lbf 3.5 kN	3597 lbf 16 kN
1.97 50	1.97 50	3/8 x 16	1.34 34	1.73 44	2.24 57	2.91 74	0.24 6.1	0.51 13	3/16	787 lbf 3.5 kN	2473 lbf 11 kN
1.97 50	1.97 50	1/2 x 13	1.34 34	2.24 57	2.91 74	3.70 94	0.31 7.8	0.51 13	3/16	787 lbf 3.5 kN	3597 lbf 16 kN

### Metric table

Dimensions in: millimeters / inches

<b>d<sub>1</sub></b>		<b>d<sub>2</sub></b>	<b>l<sub>1</sub></b>				<b>d<sub>3</sub> ≈</b>	<b>l<sub>2</sub></b>	<b>A/F</b>	Static load F <sub>s</sub> (See information)	
ST / NI	NV								ST / NI	NV	
15 0.59	-	M 6	26 1.02	36 1.42	46 1.81	-	4.5 0.18	7.6 0.30	3	3.5 kN 787 lbf	-
15 0.59	-	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	7.6 0.30	4	3.5 kN 787 lbf	-
18 0.71	-	M 6	26 1.02	36 1.42	46 1.81	-	4.5 0.18	9.2 0.36	3	3.5 kN 787 lbf	-
18 0.71	-	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	9.2 0.36	4	3.5 kN 787 lbf	-
18 0.71	-	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	9.2 0.36	5	3.5 kN 787 lbf	-
21 0.83	21 0.83	M 6	26 1.02	36 1.42	46 1.81	-	4.5 0.18	10 0.39	3	3.5 kN 787 lbf	3.5 kN 787 lbf
21 0.83	21 0.83	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	10 0.39	4	3.5 kN 787 lbf	7 kN 1574 lbf
21 0.83	21 0.83	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	10 0.39	5	3.5 kN 787 lbf	11 kN 2473 lbf
21 0.83	21 0.83	M 12	34 1.34	57 2.24	74 2.91	94 3.70	9.4 0.37	10 0.39	6	3.5 kN 787 lbf	16 kN 3597 lbf
25 0.98	25 0.98	M 6	26 1.02	36 1.42	46 1.81	-	4.5 0.18	10.5 0.41	3	3.5 kN 787 lbf	3.5 kN 787 lbf
25 0.98	25 0.98	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	10.5 0.41	4	3.5 kN 787 lbf	7 kN 1574 lbf
25 0.98	25 0.98	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	10.5 0.41	5	3.5 kN 787 lbf	11 kN 2473 lbf
25 0.98	25 0.98	M 12	34 1.34	57 2.24	74 2.91	94 3.70	9.4 0.37	10.5 0.41	6	3.5 kN 787 lbf	16 kN 3597 lbf
32 1.26	32 1.26	M 6	26 1.02	36 1.42	46 1.81	-	4.5 0.18	11 0.43	3	3.5 kN 787 lbf	3.5 kN 787 lbf
32 1.26	32 1.26	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	11 0.43	4	3.5 kN 787 lbf	7 kN 1574 lbf
32 1.26	32 1.26	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	11 0.43	5	3.5 kN 787 lbf	11 kN 2473 lbf
32 1.26	32 1.26	M 12	34 1.34	57 2.24	74 2.91	94 3.70	9.4 0.37	11 0.43	6	3.5 kN 787 lbf	16 kN 3597 lbf
40 1.57	40 1.57	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	13 0.51	4	3.5 kN 787 lbf	7 kN 1574 lbf
40 1.57	40 1.57	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	13 0.51	5	3.5 kN 787 lbf	11 kN 2473 lbf
40 1.57	40 1.57	M 12	34 1.34	57 2.24	74 2.91	94 3.70	9.4 0.37	13 0.51	6	3.5 kN 787 lbf	16 kN 3597 lbf
50 1.97	50 1.97	M 8	20 0.79	35 1.38	45 1.77	58 2.28	6.1 0.24	15.5 0.61	4	3.5 kN 787 lbf	7 kN 1574 lbf
50 1.97	50 1.97	M 10	34 1.34	44 1.73	57 2.24	74 2.91	7.8 0.31	15.5 0.61	5	3.5 kN 787 lbf	11 kN 2473 lbf
50 1.97	50 1.97	M 12	34 1.34	57 2.24	74 2.91	94 3.70	9.4 0.37	15.5 0.61	6	3.5 kN 787 lbf	16 kN 3597 lbf