



MAIN SPECIFICATIONS

Identification no.

No. 1: Without additional lock washer

AISI 316L stainless steel

- Matte finish ($Ra < 0.8 \mu m$) **MT**

- Polished finish ($Ra < 0.8 \mu m$) **PL**

Packing ring

- H-NBR **H**

Temperature resistant $-25^{\circ}C$ to $+150^{\circ}C$

- EPDM **E**

Temperature resistant $-40^{\circ}C$ to $+120^{\circ}C$

- Blue

- Hardness 85 ± 5 Shore A

- FDA compliant

FEATURES AND APPLICATIONS

Retained screws GN 1582 with low-profile head are certified according to EHEDG guidelines and therefore ideal for use in hygienic areas. Due to the d4 recessed stud, they are easily secured against loss, such as in a cover. Thus the „captivity of the mounting element“ according to the Machinery Directive 2006 / 42 / EG is given.

When using, instead of a typical tapped and bore hole, it is necessary to provide tapped bores with a thread d1 on each of the two elements to be assembled. Additionally, a clearance bore of d5 on one or both sides must be cut. Depending on the design and required clamping length a1 ... a3 of the component being attached, there are a number of assembly options as shown above. Alternatively, securing can also be achieved by an additional lock washer mounted on the thin shank d4.

ACCESSORY

Sealing Rings GN 7600

ON REQUEST

- Screws with additional lock washer

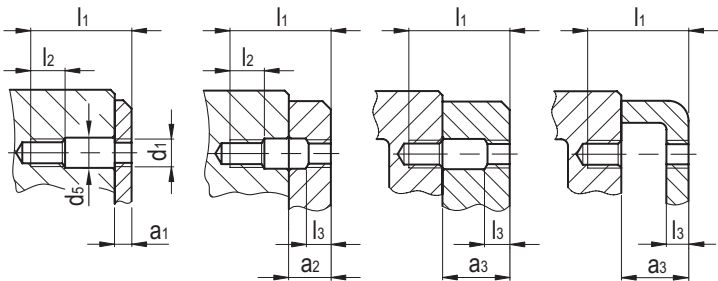
(Identification no. 2)

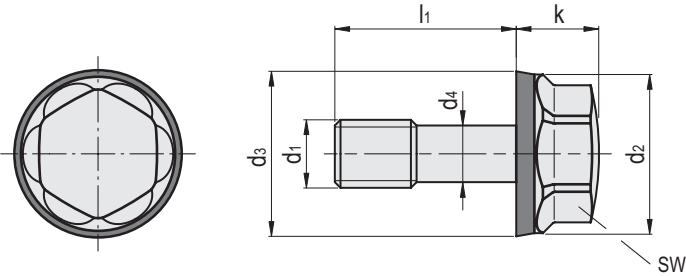
Conversion Table

1 mm = 0.039 inch

l2	
mm	inch
11	0.43
13	0.51
16	0.63
19	0.75

Types of assembly





GN 1582-MT-H

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	d3	d4-0.2	d5	a1	a2	a3	l1	l2	l3	k	sw	⚖
GN.47803	GN 1582-M5-20-MT-H-1	M 5	11	11.8	4	5.5	2.5-6	6-10.5	10.5-14	20	6	2.5	7	8	5
GN.47813	GN 1582-M5-25-MT-H-1	M 5	11	11.8	4	5.5	6-11	11-14	14-19	25	6	2.5	7	8	6
GN.47823	GN 1582-M6-25-MT-H-1	M 6	13	13.8	4.8	6.5	3-7	7-13	13-17	25	8	3	7.5	10	9
GN.47833	GN 1582-M6-30-MT-H-1	M 6	13	13.8	4.8	6.5	7-12	12-17	17-22	30	8	3	7.5	10	10
GN.47843	GN 1582-M8-30-MT-H-1	M 8	16	16.8	6.5	8.5	4-8	8-16	16-20	30	10	4	8.5	13	18
GN.47853	GN 1582-M8-40-MT-H-1	M 8	16	16.8	6.5	8.5	8-18	18-25	25-30	40	10	4	8.5	13	21
GN.47863	GN 1582-M10-40-MT-H-1	M 10	19	19.8	8.2	10.5	5-14	14-19	19-28	40	12	5	9.5	16	34
GN.47873	GN 1582-M10-50-MT-H-1	M 10	19	19.8	8.2	10.5	14-24	24-28	28-38	50	12	5	9.5	16	39

GN 1582-PL-H

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	d3	d4-0.2	d5	a1	a2	a3	l1	l2	l3	k	sw	⚖
GN.47807	GN 1582-M5-20-PL-H-1	M 5	11	11.8	4	5.5	2.5-6	6-10.5	10.5-14	20	6	2.5	7	8	5
GN.47817	GN 1582-M5-25-PL-H-1	M 5	11	11.8	4	5.5	6-11	11-14	14-19	25	6	2.5	7	8	6
GN.47827	GN 1582-M6-25-PL-H-1	M 6	13	13.8	4.8	6.5	3-7	7-13	13-17	25	8	3	7.5	10	9
GN.47837	GN 1582-M6-30-PL-H-1	M 6	13	13.8	4.8	6.5	7-12	12-17	17-22	30	8	3	7.5	10	10
GN.47847	GN 1582-M8-30-PL-H-1	M 8	16	16.8	6.5	8.5	4-8	8-16	16-20	30	10	4	8.5	13	18
GN.47857	GN 1582-M8-40-PL-H-1	M 8	16	16.8	6.5	8.5	8-18	18-25	25-30	40	10	4	8.5	13	21
GN.47867	GN 1582-M10-40-PL-H-1	M 10	19	19.8	8.2	10.5	5-14	14-19	19-28	40	12	5	9.5	16	34
GN.47877	GN 1582-M10-50-PL-H-1	M 10	19	19.8	8.2	10.5	14-24	24-28	28-38	50	12	5	9.5	16	39

GN 1582-MT-E

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	d3	d4-0.2	d5	a1	a2	a3	l1	l2	l3	k	sw	⚖
GN.47801	GN 1582-M5-20-MT-E-1	M 5	11	11.8	4	5.5	2.5-6	6-10.5	10.5-14	20	6	2.5	7	8	5
GN.47811	GN 1582-M5-25-MT-E-1	M 5	11	11.8	4	5.5	6-11	11-14	14-19	25	6	2.5	7	8	6
GN.47821	GN 1582-M6-25-MT-E-1	M 6	13	13.8	4.8	6.5	3-7	7-13	13-17	25	8	3	7.5	10	9
GN.47831	GN 1582-M6-30-MT-E-1	M 6	13	13.8	4.8	6.5	7-12	12-17	17-22	30	8	3	7.5	10	10
GN.47841	GN 1582-M8-30-MT-E-1	M 8	16	16.8	6.5	8.5	4-8	8-16	16-20	30	10	4	8.5	13	18
GN.47851	GN 1582-M8-40-MT-E-1	M 8	16	16.8	6.5	8.5	8-18	18-25	25-30	40	10	4	8.5	13	21
GN.47861	GN 1582-M10-40-MT-E-1	M 10	19	19.8	8.2	10.5	5-14	14-19	19-28	40	12	5	9.5	16	34
GN.47871	GN 1582-M10-50-MT-E-1	M 10	19	19.8	8.2	10.5	14-24	24-28	28-38	50	12	5	9.5	16	39

GN 1582-PL-E

INOX STAINLESS STEEL METRIC

Code	Description	d1	d2	d3	d4-0.2	d5	a1	a2	a3	l1	l2	l3	k	sw	⚖
GN.47805	GN 1582-M5-20-PL-E-1	M 5	11	11.8	4	5.5	2.5-6	6-10.5	10.5-14	20	6	2.5	7	8	5
GN.47815	GN 1582-M5-25-PL-E-1	M 5	11	11.8	4	5.5	6-11	11-14	14-19	25	6	2.5	7	8	6
GN.47825	GN 1582-M6-25-PL-E-1	M 6	13	13.8	4.8	6.5	3-7	7-13	13-17	25	8	3	7.5	10	9
GN.47835	GN 1582-M6-30-PL-E-1	M 6	13	13.8	4.8	6.5	7-12	12-17	17-22	30	8	3	7.5	10	10
GN.47845	GN 1582-M8-30-PL-E-1	M 8	16	16.8	6.5	8.5	4-8	8-16	16-20	30	10	4	8.5	13	18
GN.47855	GN 1582-M8-40-PL-E-1	M 8	16	16.8	6.5	8.5	8-18	18-25	25-30	40	10	4	8.5	13	21
GN.47865	GN 1582-M10-40-PL-E-1	M 10	19	19.8	8.2	10.5	5-14	14-19	19-28	40	12	5	9.5	16	34
GN.47875	GN 1582-M10-50-PL-E-1	M 10	19	19.8	8.2	10.5	14-24	24-28	28-38	50	12	5	9.5	16	39