

Nuts / Screws

Stainless Steel, Hygienic Design

SPECIFICATION

Stainless steel AISI 316L

- Matte finish ($R_a < 0.8 \mu\text{m}$) **MT**
- Polished finish ($R_a < 0.8 \mu\text{m}$) **PL**

Sealing ring

- H-NBR **H**
Operating temperature $-25 \text{ }^\circ\text{C}$ to $+150 \text{ }^\circ\text{C}$
- EPDM **E**
Operating temperature $-40 \text{ }^\circ\text{C}$ to $+120 \text{ }^\circ\text{C}$
- FKM **F**
Operating temperature $-5 \text{ }^\circ\text{C}$ to $+200 \text{ }^\circ\text{C}$
- Blue
- Hardness 85 ± 5 Shore A
- FDA compliant



INFORMATION

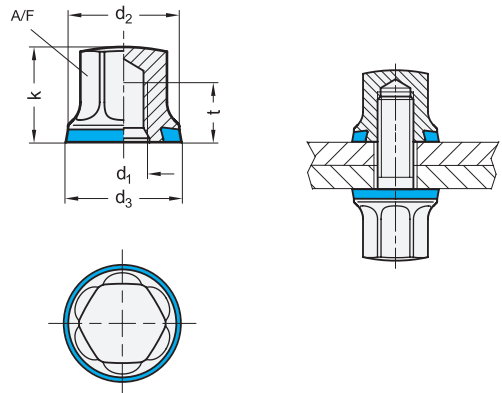
Nuts / Screws GN 1580 are intended for use in hygiene areas. The versions with seal ring, H and E, are additionally certified according to the guidelines of the EHEDG. The sealed mounting surface enables components to be mounted without dead spaces. The high quality finish as well as the large corner radii and closed surfaces prevent adherence of dirt and facilitate cleaning.

ACCESSORY

- Sealing Rings GN 7600 (see page 9)

TECHNICAL INFORMATION

- Plastic Characteristics (see page A2)
- Stainless Steel Characteristics (see page A26)



* Complete with

H E F

GN 1580-N-MT

STAINLESS STEEL

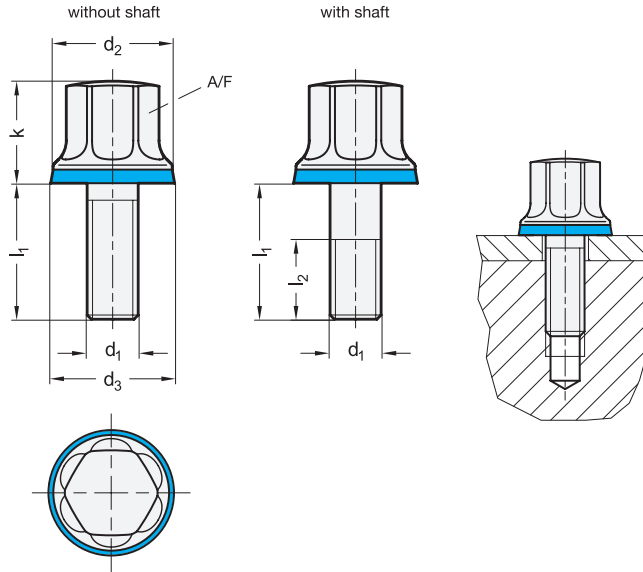
Description	d ₁	d ₂	d ₃	k	t min.	A/F	⚖
GN 1580-M4-MT-*	M 4	11	11.8	9.5	6	7	3
GN 1580-M5-MT-*	M 5	12	12.8	10	6	8	8
GN 1580-M6-MT-*	M 6	14	14.8	12	7.5	10	10
GN 1580-M8-MT-*	M 8	18	18.8	14.5	9.5	13	17
GN 1580-M10-MT-*	M 10	21	21.8	18	12	16	25
GN 1580-M12-MT-*	M 12	25	25.8	21	14.5	18	45
GN 1580-M16-MT-*	M 16	32	32.8	26	17	24	84
GN 1580-M20-MT-*	M 20	40	40.8	32	22	30	150

GN 1580-N-PL

STAINLESS STEEL

Description	d ₁	d ₂	d ₃	k	t min.	A/F	⚖
GN 1580-M4-PL-*	M 4	11	11.8	9.5	6	7	3
GN 1580-M5-PL-*	M 5	12	12.8	10	6	8	8
GN 1580-M6-PL-*	M 6	14	14.8	12	7.5	10	10
GN 1580-M8-PL-*	M 8	18	18.8	14.5	9.5	13	17
GN 1580-M10-PL-*	M 10	21	21.8	18	12	16	25
GN 1580-M12-PL-*	M 12	25	25.8	21	14.5	18	45
GN 1580-M16-PL-*	M 16	32	32.8	26	17	24	84
GN 1580-M20-PL-*	M 20	40	40.8	32	22	30	150

Weight Material H



* Complete with
H E F

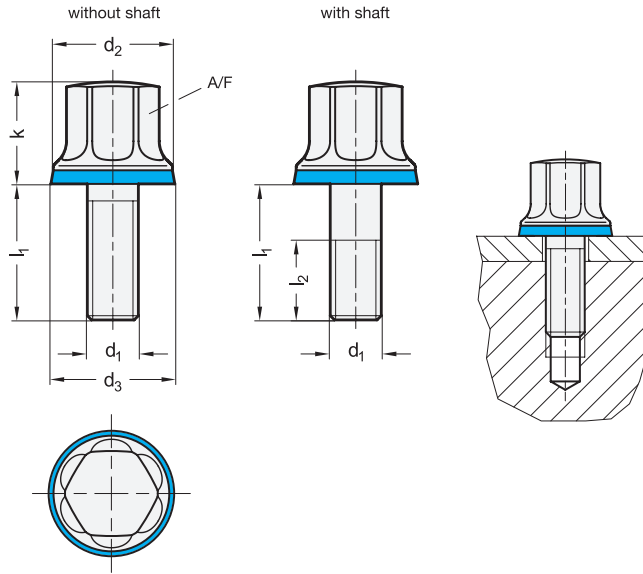
GN 1580-S-MT

STAINLESS STEEL

Description	d1	h1 Without shaft	h1 With shaft	d2	d3	k	h2	A/F	⚖️
GN 1580-M4-16-MT-*	M 4	-	16	11	11.8	9.5	14	7	5
GN 1580-M4-8-MT-*	M 4	8	-	11	11.8	9.5	14	7	6
GN 1580-M4-10-MT-*	M 4	10	-	11	11.8	9.5	14	7	7
GN 1580-M4-12-MT-*	M 4	12	-	11	11.8	9.5	14	7	8
GN 1580-M5-10-MT-*	M 5	10	-	12	12.8	10	16	8	10
GN 1580-M5-16-MT-*	M 5	16	-	12	12.8	10	16	8	11
GN 1580-M5-20-MT-*	M 5	-	20	12	12.8	10	16	8	12
GN 1580-M6-12-MT-*	M 6	12	-	14	14.8	12	18	10	14
GN 1580-M6-16-MT-*	M 6	16	-	14	14.8	12	18	10	15
GN 1580-M6-20-MT-*	M 6	20	-	14	14.8	12	18	10	16
GN 1580-M6-25-MT-*	M 6	25	-	14	14.8	12	18	10	17
GN 1580-M6-30-MT-*	M 6	-	30	14	14.8	12	18	10	18
GN 1580-M8-40-MT-*	M 8	-	40	18	18.8	14.5	22	13	33
GN 1580-M8-16-MT-*	M 8	16	-	18	18.8	14.5	22	13	24
GN 1580-M8-20-MT-*	M 8	20	-	18	18.8	14.5	22	13	26
GN 1580-M8-25-MT-*	M 8	25	-	18	18.8	14.5	22	13	27
GN 1580-M8-30-MT-*	M 8	30	-	18	18.8	14.5	22	13	29
GN 1580-M10-40-MT-*	M 10	-	40	21	21.8	18	26	16	59
GN 1580-M10-50-MT-*	M 10	-	50	21	21.8	18	26	16	64
GN 1580-M10-20-MT-*	M 10	20	-	21	21.8	18	26	16	49
GN 1580-M10-25-MT-*	M 10	25	-	21	21.8	18	26	16	51
GN 1580-M10-30-MT-*	M 10	30	-	21	21.8	18	26	16	54
GN 1580-M12-25-MT-*	M 12	25	-	25	25.8	21	30	18	79
GN 1580-M12-30-MT-*	M 12	30	-	25	25.8	21	30	18	84
GN 1580-M12-40-MT-*	M 12	-	40	25	25.8	21	30	18	93
GN 1580-M12-50-MT-*	M 12	-	50	25	25.8	21	30	18	102
GN 1580-M12-60-MT-*	M 12	-	60	25	25.8	21	30	18	111
GN 1580-M16-30-MT-*	M 16	30	-	32	32.8	26	38	24	157
GN 1580-M16-40-MT-*	M 16	40	-	32	32.8	26	38	24	173
GN 1580-M16-50-MT-*	M 16	-	50	32	32.8	26	38	24	189
GN 1580-M16-60-MT-*	M 16	-	60	32	32.8	26	38	24	203
GN 1580-M16-70-MT-*	M 16	-	70	32	32.8	26	38	24	216
GN 1580-M20-40-MT-*	M 20	40	-	40	40.8	32	46	30	296
GN 1580-M20-60-MT-*	M 20	-	60	40	40.8	32	46	30	160

Weight Material H





* Complete with
H E F

GN 1580-S-PL

STAINLESS STEEL

Description	d1	l1 Without shaft	l1 With shaft	d2	d3	k	l2	A/F	⚖️
GN 1580-M4-16-PL-*	M 4	-	16	11	11.8	9.5	14	7	5
GN 1580-M4-8-PL-*	M 4	8	-	11	11.8	9.5	14	7	6
GN 1580-M4-10-PL-*	M 4	10	-	11	11.8	9.5	14	7	7
GN 1580-M4-12-PL-*	M 4	12	-	11	11.8	9.5	14	7	8
GN 1580-M5-10-PL-*	M 5	10	-	12	12.8	10	16	8	10
GN 1580-M5-16-PL-*	M 5	16	-	12	12.8	10	16	8	11
GN 1580-M5-20-PL-*	M 5	-	20	12	12.8	10	16	8	12
GN 1580-M6-12-PL-*	M 6	12	-	14	14.8	12	18	10	14
GN 1580-M6-16-PL-*	M 6	16	-	14	14.8	12	18	10	15
GN 1580-M6-20-PL-*	M 6	20	-	14	14.8	12	18	10	16
GN 1580-M6-25-PL-*	M 6	25	-	14	14.8	12	18	10	17
GN 1580-M6-30-PL-*	M 6	-	30	14	14.8	12	18	10	18
GN 1580-M8-40-PL-*	M 8	-	40	18	18.8	14.5	22	13	33
GN 1580-M8-16-PL-*	M 8	16	-	18	18.8	14.5	22	13	24
GN 1580-M8-20-PL-*	M 8	20	-	18	18.8	14.5	22	13	26
GN 1580-M8-25-PL-*	M 8	25	-	18	18.8	14.5	22	13	27
GN 1580-M8-30-PL-*	M 8	30	-	18	18.8	14.5	22	13	29
GN 1580-M10-40-PL-*	M 10	-	40	21	21.8	18	26	16	59
GN 1580-M10-50-PL-*	M 10	-	50	21	21.8	18	26	16	64
GN 1580-M10-20-PL-*	M 10	20	-	21	21.8	18	26	16	49
GN 1580-M10-25-PL-*	M 10	25	-	21	21.8	18	26	16	51
GN 1580-M10-30-PL-*	M 10	30	-	21	21.8	18	26	16	54
GN 1580-M12-25-PL-*	M 12	25	-	25	25.8	21	30	18	79
GN 1580-M12-30-PL-*	M 12	30	-	25	25.8	21	30	18	84
GN 1580-M12-40-PL-*	M 12	-	40	25	25.8	21	30	18	93
GN 1580-M12-50-PL-*	M 12	-	50	25	25.8	21	30	18	102
GN 1580-M12-60-PL-*	M 12	-	60	25	25.8	21	30	18	111
GN 1580-M16-30-PL-*	M 16	30	-	32	32.8	26	38	24	157
GN 1580-M16-40-PL-*	M 16	40	-	32	32.8	26	38	24	173
GN 1580-M16-50-PL-*	M 16	-	50	32	32.8	26	38	24	189
GN 1580-M16-60-PL-*	M 16	-	60	32	32.8	26	38	24	203
GN 1580-M16-70-PL-*	M 16	-	70	32	32.8	26	38	24	216
GN 1580-M20-40-PL-*	M 20	40	-	40	40.8	32	46	30	296
GN 1580-M20-60-PL-*	M 20	-	60	40	40.8	32	46	30	160

Weight Material H



Machine Elements 9