

GN 587

Load rings



• Body

High-tensile forged tempered steel with pink plastic surface coating, 100% electro-magnetic tensile tested to EN 1677.

- Type **A**: without steel tape.
- Type **F**: with steel tape.

• Weld-on block

Forged steel S355 J2 + N (ST52-3N) with blank surface, 100% electro-magnetic tensile tested to EN 1677.

• Retaining spring

Stainless steel tape.

Features

Load rings GN 587 for welding are designed for rapid mounting.

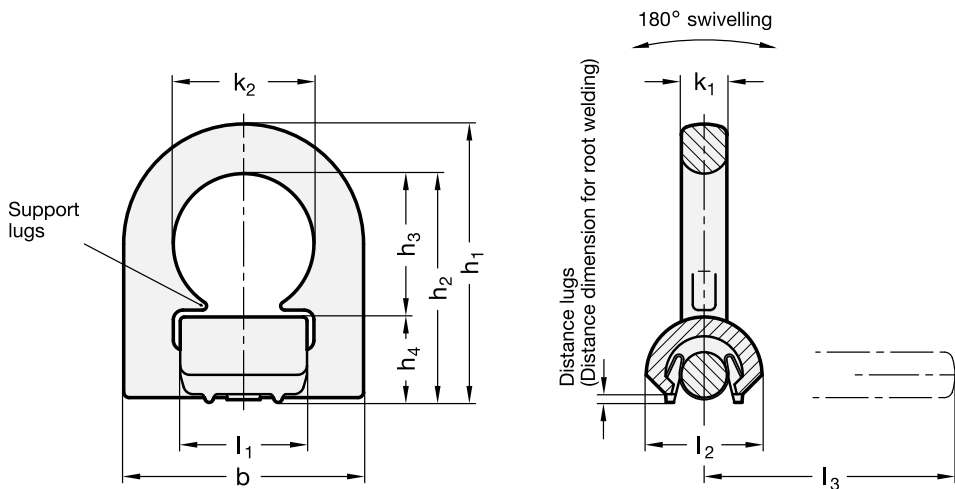
They provide high dynamic and static strength and can be load from any direction with approved safety (safety factor 4).

The rated load-bearing capacity listed in the above table is clearly marked on the weld-on block. It applies to the most unfavourable load application of the load types listed opposite.







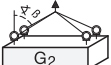

The steel tape (type F) holds the ring in any position and dampens any noise caused by vibrations. All parts are undetachably connected.

The two support lugs improve the bearing of hooks and enhance the support effect in the event of oblique suspension rings.

Load rings GN 587 comply with Mechanical Engineering Directive 2006 / 42 / EG and are BG tested.



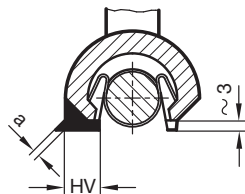
Standard Elements	Main dimensions										Nominal load in t	Δ
Description	b	h ₁	h ₂	h ₃	h ₄	k ₁	k ₂	l ₁	l ₂	l ₃		g
GN 587-66-A	66	79	65	40	25	13.5	38	33	32	71	1.5	320
GN 587-66-F	66	79	65	40	25	13.5	38	33	32	71	1.5	350
GN 587-87-A	87	101	83	52	31	16.5	51	46	42	91	4	757
GN 587-87-F	87	101	83	52	31	16.5	51	46	42	91	4	780
GN 587-115-A	115	141	117	73	44	22.5	67	60	65	126.5	6.7	2010
GN 587-115-F	115	141	117	73	44	22.5	67	60	65	126.5	6.7	2040
GN 587-129-A	129	153	126	71	55	26.5	67	60	75	135.5	10	2060
GN 587-129-F	129	153	126	71	55	26.5	67	60	75	135.5	10	2100

Load capacity										
Method of mounting										
Number	1	1	2	2	2	2	2	3 and 4	3 and 4	3 and 4
Angles of inclination	0°	90°	0°	90°	0° to 45°	45° to 60°	asymmetrical	0° to 45°	45° to 60°	asymmetrical
Factor	1	1	2	2	1.4	1	1	2.1	1.5	1
b = 66	1.50 t	1.50 t	3.00 t	3.00 t	2.10 t	1.50 t	1.50 t	3.15 t	2.25 t	1.50 t
b = 87	4.00 t	4.00 t	8.00 t	8.00 t	5.60 t	4.00 t	4.00 t	8.40 t	6.00 t	4.00 t
b = 115	6.70 t	6.70 t	13.40 t	13.40 t	9.50 t	6.70 t	6.70 t	14.00 t	10.00 t	6.70 t
b = 129	10.00 t	10.00 t	20.00 t	20.00 t	14.00 t	10.00 t	10.00 t	21.00 t	15.00 t	10.00 t

Safety instructions

The above details refer to the maximum load in metric tonnes.

The configuration of the welding seam (HV) complies with the requirements of DIN 18800, i.e., the closed seam means that no corrosive deposits can settle; this also makes the load rings suitable for outside use.



Load ring size	Size welding seam	Length	Volume in cm ³
b = 66 (1.50 t)	HV 5 + a 3	2 x 33	1.2
b = 87 (4.00 t)	HV 8 + a 3	2 x 46	3.2
b = 115 (6.70 t)	HV 12 + a 4	2 x 60	8.7
b = 129 (10.0 t)	HV 16 + a 4	2 x 60	15.5

Welding must be made by an approved welder in accordance with EN 287-1.

The specified loading values are valid for an operating temperature of between -40 °C and +100 °C. Load capacities under higher temperatures provided on request.

Operating instructions with more details and specifications are included with every delivery.