

**2 Type**

- A** Without retaining spring
- F** With retaining spring



b	h <sub>1</sub>	h <sub>2</sub>	h <sub>3</sub>	h <sub>4</sub>	k <sub>1</sub>	k <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	Nominal load in t (WLL)
66	79	65	40	25	14	38	33	33	71	1,5
77	91	75	47	28	16	45	40	38	80	2,5
87	101	83	52	31	16	51	46	42	91	4
115	141	117	73	44	22	67	60	61	126,5	6,7
129	153	126	71	55	26	67	60	75	135,5	10

**Specification**

- Ring brackets  
Steel, German Material No. 1.6541
  - Forged
  - High-tensile tempered
  - 100 % electro magnetic tensile tested to EN 1677
  - Powder coated, pink
- Weld-on block  
Steel, S355 J2 + N (ST52-3N)
  - Forged, blank
  - High-tensile tempered
  - 100 % electro magnetic tensile tested to EN 1677
- Retaining spring  
Spring steel tape  
Rustproof
- RoHS

**Information**

Load rings GN 587.1 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) for all loading directions. The spring 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 587.1 comply with Mechanical Engineering Directive 2006 / 42 / EG. This standard replaces the previous load rings GN 587.

see also ...

- *Lifting Points GN 589* → Page 1518
- *Shackles GN 584* → Page 1520
- *Shackles GN 585* → Page 1521

How to order

**GN 587.1-115-F**

1 b

2 Type

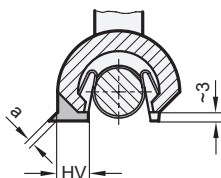


Method of mounting											
Number	1	1	2	2	2	2	2	3 and 4	3 and 4	3 and 4	
Angles of inclination	0°	90°	0°	90°	0 to 45°	45 to 60°	asymm.	0 to 45°	45 to 60°	asymm.	
Factor	1	1	2	2	1,4	1	1	2,1	1,5	1	
66	1,50 t	1,50 t	3,00 t	3,00 t	2,10 t	1,50 t	1,50 t	3,15 t	2,25 t	1,50 t	
77	2,50 t	2,50 t	5,00 t	5,00 t	3,50 t	2,50 t	2,50 t	5,25 t	3,75 t	2,50 t	
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	
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	
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 <sup>3</sup>
<b>b = 66 ( 1,5 t)</b>	HV 5 + a 3	2 × 33	1,2
77 ( 2,5 t)	HV 7 + a 3	2 × 40	2,6
87 ( 4,0 t)	HV 8 + a 3	2 × 46	3,2
115 ( 6,7 t)	HV 12 + a 4	2 × 60	8,7
129 (10,0 t)	HV 16 + a 4	2 × 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 -20 °C and +100 °C. Load capacities under higher temperatures provided on request.

If the load rings are used for lashing instead of lifting, the nominal load is doubled.

The operating instruction contains further guidelines and is included with every load ring (see also at [www.ganternorm.com/en/service](http://www.ganternorm.com/en/service)).