

Load Rings (Rotating)

Steel, with Return Spring

SPECIFICATION

Load ring

- Steel 1.6541
- Forged
- High-tensile tempered
- 100% electromagnetically crack tested to EN 1677-1
- Powder coated, pink

Bearing case

- Steel
- Forged
- High-tensile tempered
- 100% electromagnetically crack tested to EN 1677-1
- Zinc plated

Screw

- Steel
- High-tensile tempered
- Finish: Delta Tone

Spring

- Steel

RFID transponder

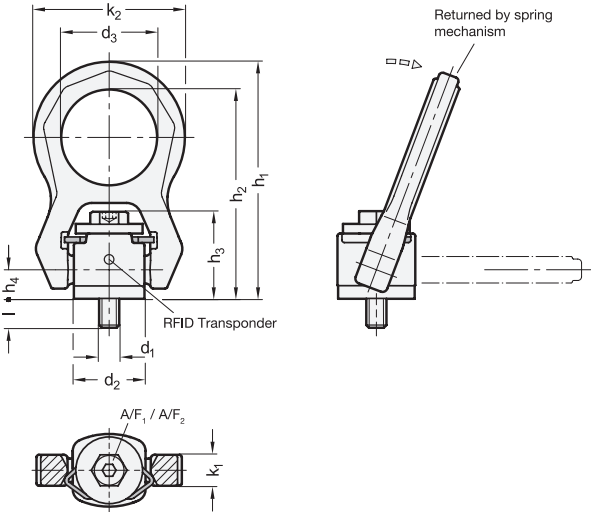
Frequency 13.56 MHz (HF, IEC 15693)



RUD

INFORMATION

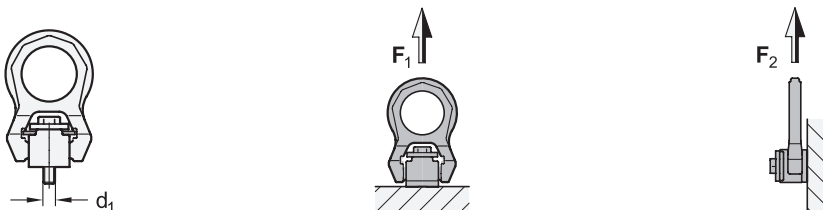
Rotating load rings GN 586.2 are used with separate lifting gear and lashing equipment. They are screwed onto load-bearing equipment or directly onto the load and can absorb loads in any direction. The integrated spring mechanism ensures that the load ring rotates in a load-friendly direction during lifting and lashing, preventing unfavorable lateral loads. The nominal load capacity is indicated on the case. Rotating load rings GN 586.2 comply with the Machinery Directive 2006/42/EC and DGUV rules GS-HM-36. The integrated RFID transponder clearly marks and identifies the lifting gear, e.g. during the prescribed regular inspection.



GN 586.2

Description	d1	d2	d3	h1	h2	h3	h4	k1	k2	Length l	A/F1	A/F2	Tightening torque in Nm	Nominal load capacity in t (WLL) (Safety factor 4:1)	
GN 586.2-M8	M 8	30	38	94	83	33	11.7	10.5	60	11.5	5	13	30	0.7	360
GN 586.2-M10	M 10	30	38	94	83	34.4	11.7	10.5	60	15.5	6	17	60	1	370
GN 586.2-M12	M 12	30	38	94	83	35.5	11.7	10.5	60	18.5	8	19	80	1.35	380
GN 586.2-M16	M 16	40	50	121	107	46	13.7	14	78	22.25	10	24	150	2.5	820
GN 586.2-M20	M 20	45	50	135	118	56	16.6	17	84	26.5	12	30	300	4	1340
GN 586.2-M24	M 24	60	66	177	154	70	21.7	23	112	34	14	36	500	6.3	3030
GN 586.2-M30	M 30	75	75	212	183	87.5	29	27	133	41.5	17	46	800	8	5660

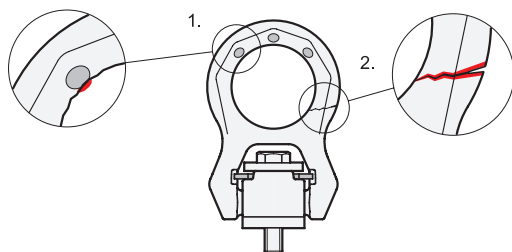
Load Capacity



d1	F1 max. in t (Safety factor 4:1)	F2 max. in t (Safety factor 4:1)
M 8	0.7	0.7
M 10	1	1
M 12	1.35	1.35
M 16	2.5	2.5
M 20	4	4
M 24	6.3	6.3
M 30	8	8

The specified load values apply to an operating temperature range of -40°C to $+200^{\circ}\text{C}$. Further information can be found in the operating instructions.

Wear / Service Life / Safety Instructions



1. Carefully check the wear markings to determine the level of wear on the lifting point. If these marks cover the entire outer contour or the contour of the hole, the attachment point has reached the end of its service life and must be replaced.
2. If the lifting point is bent or shows signs of damage or cracks, it is no longer safe to use.

In either case, replacement is required.

The information in the operating instructions must be complied with during installation, commissioning and use. It is included with the product and is available digitally at [elesa-ganter.com](https://www.elesa-ganter.com).