



1 2

$d_1$	Length l	$d_2$	e	$h_1$	$h_2$	$h_3$	$h_4$	$h_5$	$k_1$	$k_2$	$k_3$	$k_4$	c	s	Tightening torque in Nm	Nominal load in t
M 12	18	4,8	40	129	116	75	41	49	12	53	25	82	18	36	10	0,63
M 16	24	7,4	46	166	146	97	49	63	16	73	32	105	25	41	30	1,50
M 20	30	9,6	61	215	187	126	61	78	20	95	42	136	30	55	70	2,50
M 24	36	12,1	78	263	227	150	77	96	26	118	52	163	35	70	150	4,00
M 30	45	15,6	95	304	267	174	93	119	30	135	57	189	40	85	225	5,00
M 36	54	19	100	359	310	208	102	137	36	161	68	227	48	90	410	8,00

**Specification**

- Hook  
Steel, German Material No. 1.6540  
- High-tensile tempered  
- 100% electro magnetic tensile tested  
- Powder coated, pink
- Safety catch  
Steel, German Material No. 1.6541  
- Forged, high-tensile tempered  
- 100% electro magnetic tensile tested
- Bearing case  
Steel 1.6541  
- Forged, high-tensile tempered  
- 100% electro magnetic tensile tested  
- Zinc plated, blue passivated
- Threaded stud  
Steel, high-tensile tempered  
Finish: Delta Tone

• RoHS

**On request**

- Other screw lengths

**Information**

Load hooks GN 5862 rotate running in ball bearings. The freely rotating hook allows the bolts to hold loads in any allowed tensile direction.

The rated load carrying capacity listed in the table is shown clearly on bearing case. It applies to the most unfavourable load application of the load types listed opposite.

Load hooks GN 5862 comply with Mechanical Engineering Directive 2006 / 42 / EG and are BG tested.

The integrated RFID transponder clearly marks and identifies the sling and lifting gear, e.g. during the prescribed regular inspection.

see also...

- *Load Rings GN 5860* → Page 1512
- *Shackles GN 584* → Page 1520
- *Shackles GN 585* → Page 1521

How to order

**GN 5862-M12-18**

1  $d_1$

2 Length l



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
M 12	0,63 t	0,63 t	1,26 t	1,26 t	0,88 t	0,63 t	0,63 t	1,32 t	0,95 t	0,63 t
M 16	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
M 20	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
M 24	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
M 30	6,70 t	5,00 t	13,40 t	10,00 t	7,00 t	5,00 t	5,00 t	10,50 t	7,50 t	5,00 t
M 36	10,00 t	8,00 t	20,00 t	16,00 t	11,20 t	8,00 t	8,00 t	16,80 t	12,00 t	8,00 t

### Safety instructions

The above load capacity table shows the maximum loads in metric tonnes as factor of the load ring type and at an operating temperature range of -40 °C to +200 °C, with a safety coefficient of 4 taken into account for all values.

The load hooks GN 5862 may be used only if it is bolted with the minimum screw-in depth which depends on the material and if the bolt contact surface is plane and fixed at a right angle to the tap hole.

If permanently mounted in place, the load hooks must rotate freely by 360° and must not rest on edges or other fixture, e.g. crane hooks. The load hooks are not suitable for permanent rotary movement under load exposure.

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

