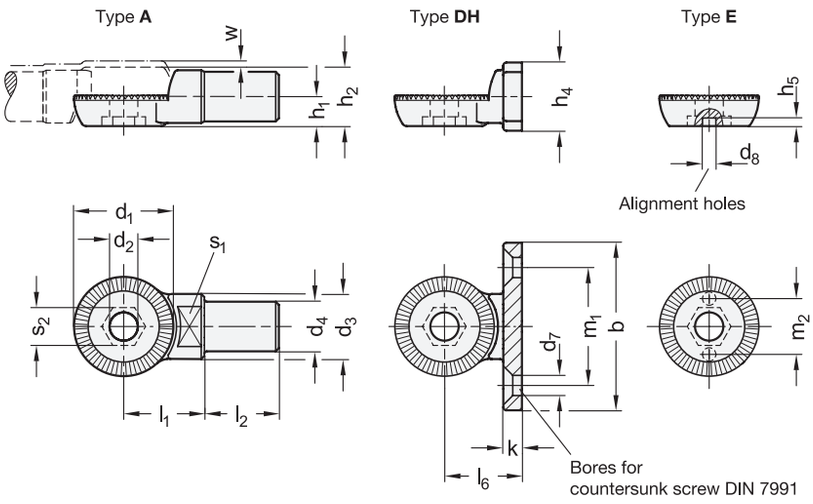


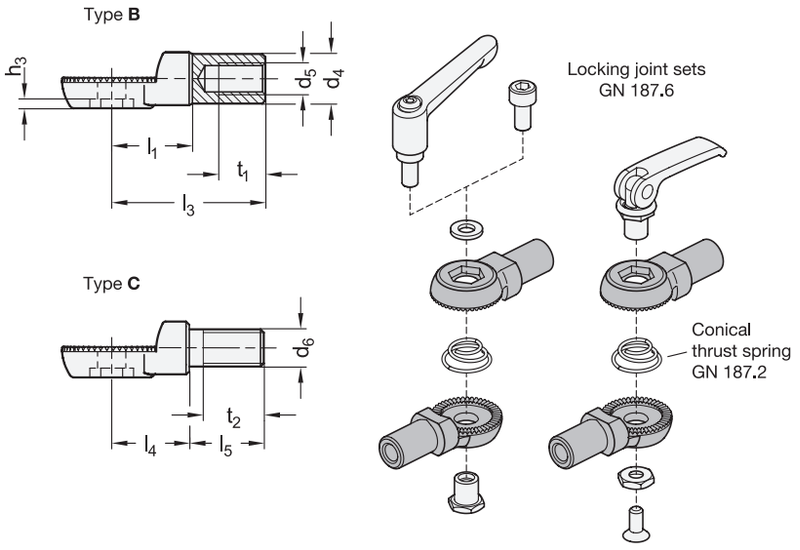
Metric

SS Stainless Steel

3 Type

A	Plain stud (weldable)
B	Internal tapped stud
C	Threaded stud
DH	Fastening flange, horizontal
E	Plate (weldable)

Assembly instruction and accessory



Specification

4

- Stainless steel AISI CF-8
  Precision casting
  Matte shot-blasted finish **NI**
- *Stainless Steel Characteristics → page 2143*
- RoHS compliant

Accessory

- Locking joint sets GN 187.6 → *page 1166*
- Serrated locking plates GN 187.4 → *page 1160*
- Conical thrust springs GN 187.2 → *page 1163*

Information

GN 187.5 serrated locking plates can be installed in combination with GN 187.6 locking joint sets to create locking joints. This allows gear lever handles and retaining tubes or trays and mounts to be adjusted relative to each other at defined angles with a form-fit connection. The angle position of the serration is adapted to the connecting elements, permitting an axis-parallel or right-angled arrangement. The tooth count of 48 / 60 enables the adjustment in 7.5° or 6° steps, resulting in the indexing positions listed in the separate table.

Held together and centered by locking joint sets, the various types can be combined together arbitrarily with identical nominal sizes d_1. GN 187.2 conical thrust springs can be placed between the locking heads during mounting, allowing a clean separation upon removal. Additional design possibilities arise from the compatibility of the locking heads with the GN 187.4 locking plates.

When welding on, type E can be easily positioned on the opposing part and fastened by means of the mounting holes d_8 (which are aligned with the serration) using dowel pins or positioning pins.

see also...
- *Serrated Locking Plates GN 188 → page 1168*

How to order

1 2 3 4

GN 187.5-32-48-DH-NI

1	**Outer diameter d_1**
2	**Tooth count z**
3	**Type**
4	**Material**

Metric table

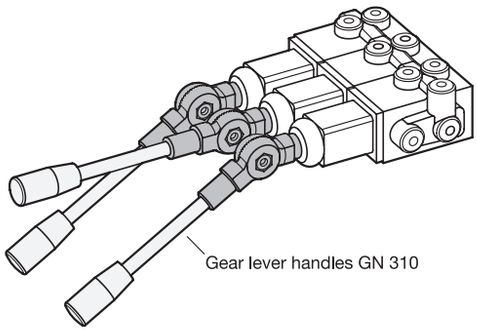
Dimensions in: millimeters - *inches*

d_1	z Tooth count		b	d_2	d_3	d_4	d_5 Thread	d_6 Thread	d_7	d_8	h_1 Center of the teeth	h_2 (2 x h_1)	h_3	h_4	h_5
27 *1.06*	48	60	46 *1.81*	9 *0.35*	18 *0.71*	13 *0.51*	M 8	M 10	5.3 *0.21*	2.5 *0.10*	8 *0.31*	16 *0.63*	3 *0.12*	20 *0.79*	1.5 *0.06*
32 *1.26*	48	60	54 *2.13*	9 *0.35*	21 *0.83*	16 *0.63*	M 10	M 12	6.5 *0.26*	3 *0.12*	9.5 *0.37*	19 *0.75*	3 *0.12*	22 *0.87*	2 *0.08*
40 *1.57*	48	60	70 *2.76*	11 *0.43*	27 *1.06*	20 *0.79*	M 12	M 16	8.5 *0.33*	4 *0.16*	12 *0.47*	24 *0.94*	4 *0.16*	30 *1.18*	2.5 *0.10*

d_1	k	l_1	l_2	l_3	l_4	l_5	l_6	m_1	m_2	s_1	s_2	t_1	t_2	w min. Stroke
27 *1.06*	5 *0.20*	21 *0.83*	20 *0.79*	40.5 *1.59*	21 *0.83*	20 *0.79*	21 *0.83*	32 *1.26*	17 *0.67*	14 *0.55*	12 *0.47*	12 *0.47*	17 *0.67*	0.8 *0.03*
32 *1.26*	6 *0.24*	26 *1.02*	24 *0.94*	49.5 *1.95*	25 *0.98*	24 *0.94*	25 *0.98*	38 *1.50*	20 *0.79*	17 *0.67*	12 *0.47*	15 *0.59*	20 *0.79*	0.8 *0.03*
40 *1.57*	7 *0.28*	31.5 *1.24*	32 *1.26*	63 *2.48*	31 *1.22*	32 *1.26*	30.5 *1.20*	48 *1.89*	24 *0.94*	22 *0.87*	14 *0.55*	18 *0.71*	26 *1.02*	1 *0.04*

z Tooth count	Angle steps	Possible angles / index positions
48	7.5°	0° 7.5° 15° 30° 45° 60° 90°
60	6°	0° 6° 12° 18° 24° 30° 60° 90°

Application examples



Control device

Tray / Retaining mechanism