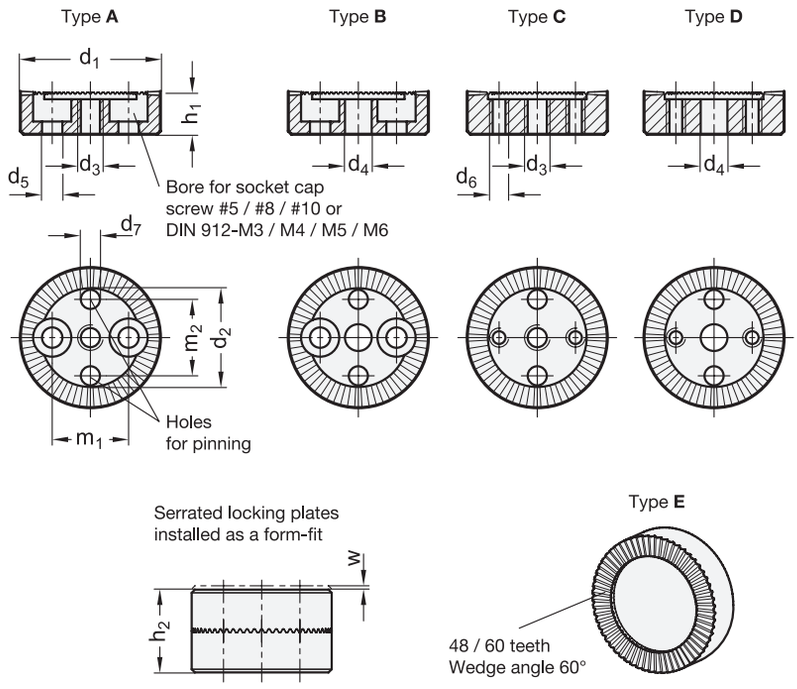
GN 187.4 Serrated Locking Plates

Steel / Stainless Steel

JW WINCO® A Ganter Company



Metric

SS Stainless Steel

3 Type

- **A** With tapped bore d_3 in the center, with two countersunk bores for socket cap screws
- **B** With bore d_4 in the center, with two countersunk bores for socket cap screws
- **C** With tapped bore d_3 in the center, with two tapped bores to screw on
- **D** With bore d_4 in the center, with two tapped bores to screw on
- **E** Without bores

Metric table

Dimensions in: millimeters - *inches*

1 d_1	2 z Tooth count		d_2	d_3	d_4	d_5	d_6	d_7	h_1 ±0.09 Center of the teeth	h_2 (2 x h_1)	m_1	m_2	w min. Stroke
22 *0.87*	48	60	15.5 *0.61*	M 4	4.2 *0.17*	3.2 *0.13*	M 3	3 *0.12*	6.5 *0.26*	13 *0.51*	12 *0.47*	12 *0.47*	0.6 *0.02*
27 *1.06*	48	60	19.5 *0.77*	M 5	5.2 *0.20*	4.3 *0.17*	M 4	4 *0.16*	7.5 *0.30*	15 *0.59*	15 *0.59*	15 *0.59*	0.7 *0.03*
32 *1.26*	48	60	23.5 *0.93*	M 6	6.2 *0.24*	5.3 *0.21*	M 5	5 *0.20*	9 *0.35*	18 *0.71*	18 *0.71*	18 *0.71*	0.9 *0.04*
40 *1.57*	48	60	30 *1.18*	M 8	8.2 *0.32*	6.3 *0.25*	M 6	6 *0.24*	11.5 *0.45*	23 *0.91*	23 *0.91*	23 *0.91*	1.3 *0.05*

Specification

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- Steel (Distaloy AB) **ST**
  Sintered
  - Type A / B / C / D
    Hardened
    Black steam oxidized
  - Type E
    Plain finish
    Not hardened
- Stainless steel AISI 316L **NI**
  Sintered
- *Stainless Steel Characteristics → page 2143*
- RoHS compliant

Accessory

- Guide housings GN 187.1 → *page 1162*
- Conical thrust springs GN 187.2 → *page 1163*

Information

With GN 187.4 serrated locking plates, components can be adjusted and locked form-fit at a defined angle.

The angle position of the serration is adapted to the mounting holes, ensuring an 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.

The range of types makes these plates adaptable for almost any application. Useful complimentary components include GN 187.1 guide housings and GN 187.2 conical thrust springs.

see also...

- *Serrated Locking Plates GN 188 (Stainless Steel, Weldable) → page 1168*
- *Serrated Locking Plates GN 187.5 (Stainless Steel) → page 1164*
- *Serrated Locking Plates EN 189 (Plastic) → page 1167*

How to order

1 2 3 4

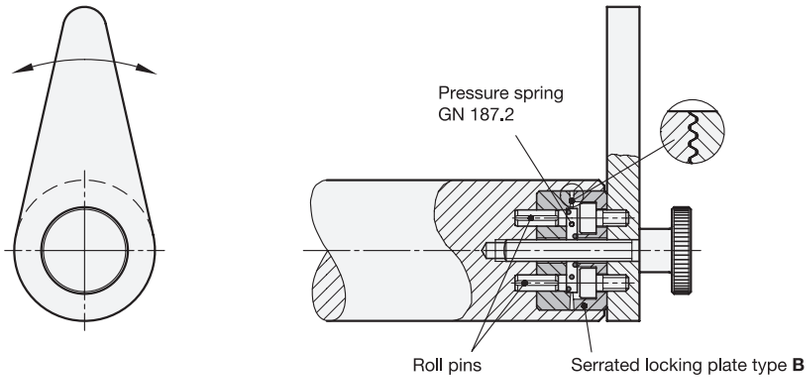
GN 187.4-27-48-C-ST

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

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

Connection cam / shaft



Adjustable link on sheet metal construction