

PG 180 with wing screw



PG 180



Interlock and visual overload protection

Housing with flap lock and hexagon socket screw SW5

Toggle lock with intermediate position: **fast and simple installation, high tightening torque**

Visual overload protection: **protects against excessive tightening**

Hexagon socket screw SW5: **fast and safe installation**

Alternative with wing screw: **tool integrated in the clamp**

## Worm Drive Clamps Product Group 180

### Material

180 W4 Band and fastener: **Stainless Steel,**

Material no. 1.4301/UNS S30400

Screw: **Stainless Steel, Material no. 1.4305/UNS S30300**

### Series

Size range	width x thickness
30.0 – 500.0 mm	12.2 x 0.9 mm

Special sizes up to 1000 mm diameter available on request.

Some sizes are only available if an appropriate minimum quantity is ordered.

### Screw Clamp design

#### Flap lock

After opening the body, the band can be formed by hand to approximately the clamping diameter. The flap can then be closed, and the clamp tightened by turning the screw. As a result, the screw only has to be turned for the last part of the clamping operation.

#### Intermediate stop

The flap is secured by an intermediate stop. Even when loosely installed, clamps cannot open on their own accord.

#### Visual overload protection

The housing incorporates a web which distorts visibly above a tightening torque of 4–5 Nm (35–44 in-lbs). This visual feature indicates that a Worm Drive Clamp is optimally tightened and still has an adequate factor of safety to the maximum tightening torque.

**Worm Drive Clamps with wing screw**

The Worm Drive Clamp with wing screw can be installed entirely without tools. The integral, torsionally-stiff wing provides optimum grip. The dimensions correspond to the standard design with the exception of the wing screw.

**Oetiker Universal Clamp Band**

The universal tension band is available in 8 or 12 mm band width, each on rolls with lengths of 10, 20, or 30 m, with a suitable lock for band widths of 8 or 12 mm.



Stainless steel universal tension band and lock.

**Assembly Recommendations**

For safe tightening of screw clamps without wing screws, we recommend use of a 5A/F hexagon wrench. The maximum static tightening torque is 6 Nm (53 in-lb).

**Installing an Universal Worm Drive Clamp**

Measure the circumference to be clamped and cut off the band to that length. Pass the end of the band, from above, through the slit in the closing element, and fold it back at least 40 mm below the band. Pass the second end of the band through the slit in the perforated part of the closing element and fold it back at least 40 mm. Lay the band around the part to be clamped, push the band end with perforation below the flap lock and close.



Tighten the clamp with a 5 A/F hexagon wrench. This system may not be entirely suitable for soft and flexible components.

**Order information**

Item No.	Clamping range D (mm)
<b>Screw Clamps</b>	
Band width 12 mm, thickness 0.9 mm	
18000206	30 – 60
18000025	50 – 80
18000026	80 – 110
18000027	110 – 140
18000028	140 – 170
18000029	170 – 200
18000030	200 – 230
18000031	230 – 260
18000032	260 – 290
18000033	290 – 320
18000034	320 – 350

**Screw Clamps with wing screw**

18000207	30 – 60
18000136	50 – 80
18000137	80 – 110
18000135	110 – 140
18000168	140 – 170
18000143	170 – 200
18000169	200 – 230
18000174	230 – 260
18000175	260 – 290
18000176	290 – 320
18000177	320 – 350

Item No.	Clamping range D (mm)
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**Universal Clamp Band**

Band width 8 mm, thickness 0.5 mm

18000211	Closing element for stainless steel
18000213	Universal clamp band, roll 10 m
18000214	Universal clamp band, roll 20 m
18000215	Universal clamp band, roll 30 m

Band width 12 mm, thickness 0.5 mm

18000211	Closing element for stainless steel
18000216	Universal clamp band, roll 10 m
18000217	Universal clamp band, roll 20 m
18000218	Universal clamp band, roll 30 m

Worm Drive Clamps are available for a clamping range from 30 mm up to 1000 mm. Up to diameter 200 mm, Worm Drive Clamps are delivered pre-shaped, above diameter 200 mm they are supplied flat. Customer-specific sizes are available on request.