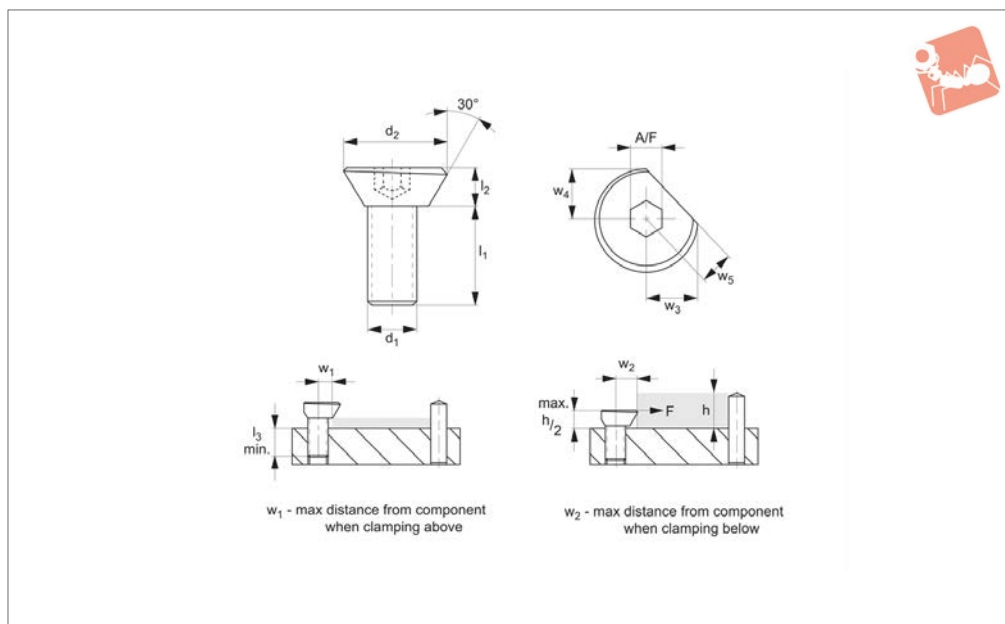




# Eccentric Pull Down Clamps

## Low Profile Side Clamping



# 12111

LOW PROFILE SIDE CLAMPING

### Material

Steel, hardened and blue zinc coated.

### Technical Notes

Single piece clamping screw. Unique eccentric side profile of the clamp ensures

both downhold and side clamping action.

„w<sub>1</sub>“ = max. distance from component when clamping above component surface.

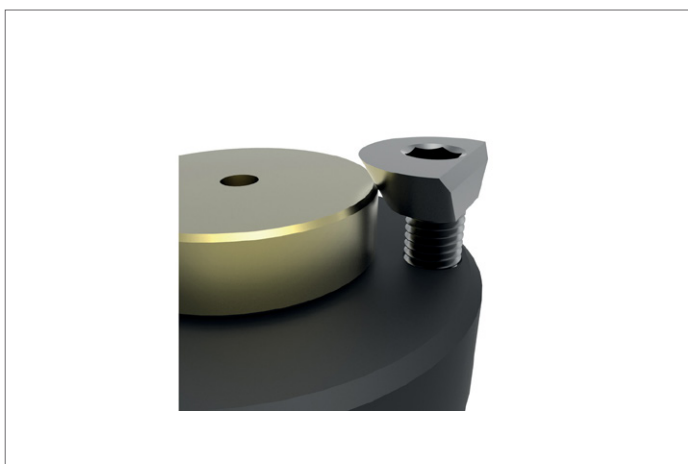
„w<sub>2</sub>“ = max. distance from component when clamping below component surface.

„h“ - workpiece height.

„l<sub>3</sub>“ - min. suggested thread engagement.

**Clamping stroke achieved via 120° turn of clamping screw.**

Order No.	d <sub>1</sub>	d <sub>2</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub> min.	w <sub>1</sub>	w <sub>2</sub> ±0.2	w <sub>3</sub>	w <sub>4</sub>	w <sub>5</sub>	A/F	Torque to Nm max.	Holding force F kN	Weight g
12111.W0003	M 3	6.7	6	2	3	3.0	3.2	3.5	2.9	2.2	2.0	1.0	0.05	0.57
12111.W0004	M 4	8.7	8	3	4	3.5	4.2	4.6	4.0	3.0	2.5	1.5	0.09	1.43
12111.W0005	M 5	10.9	10	4	5	4.2	5.2	5.7	5.0	3.5	3.0	2.0	0.10	2.84
12111.W0006	M 6	13.5	12	5	6	5.4	6.4	7.1	6.1	4.5	4.0	4.5	0.30	4.95
12111.W0008	M 8	16.9	16	6	8	6.6	8.0	8.9	7.7	5.5	5.0	20.0	2.70	9.10
12111.W0010	M10	20.9	20	7	10	8.3	9.8	11.1	9.4	6.5	6.0	30.0	4.00	17.0
12111.W0012	M12	26.1	24	9	12	10.1	12.0	13.5	11.6	8.0	8.0	44.0	5.40	31.0

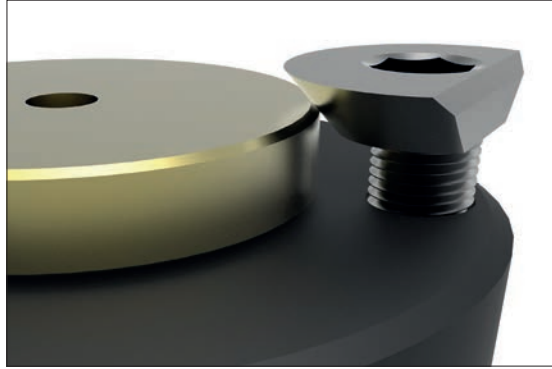




A unique one-piece eccentric pull down clamping screw with compact design is an ideal solution for providing both pull down and side clamping forces in applications where space is limited. Our eccentric Pull Down Clamping Screw, uniquely combines a tapered cone and an offset eccentric thread to provide clamping above or below a component's surface.

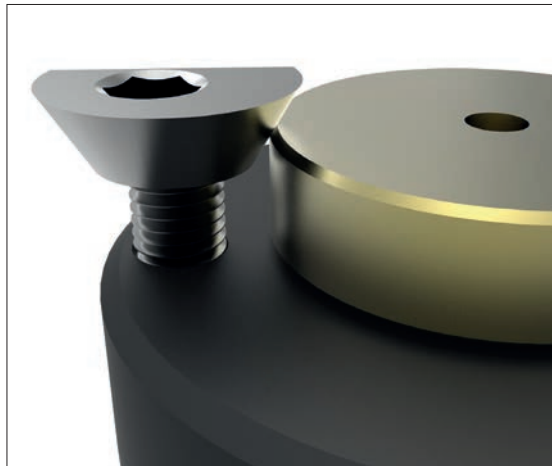
## Unique Solution

### Advantages

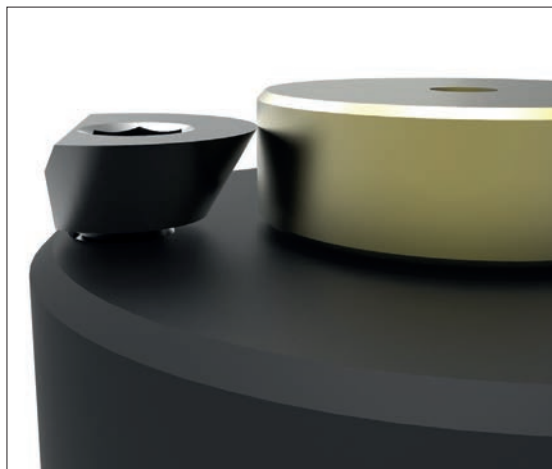


- Durable, stable, compact design.
- Unaffected by swarf ingress.
- Easily actuated.
- Effective pull down and side thrust clamping.
- High clamping force.
- Small installation footprint, ideal for multi-component clamping.
- Low height clamping solution.

### Installation

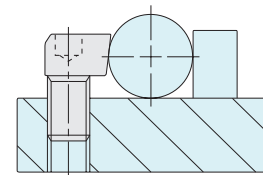


Clamping above component.

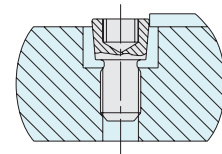


Clamping below component surface.

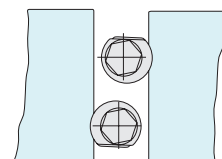
1. Drill and tap hole for required clamp size.
2. Install screw into the hole, and lower to the desired height of the component.
3. Ensure the flat side of the clamp is facing the workpiece - to allow for easy installation of component.
4. Once the clamping screw is installed, insert workpiece/ component.
5. Make a 120° turn of the screw to clamp the component.
6. A simple 120° reverse turn of the screw unclamps the component.



clamping round components



ultra low height clamping solution



multi-component clamping