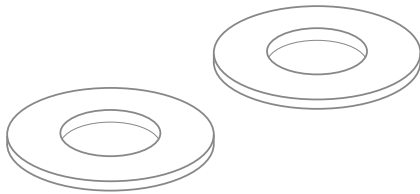


# Types of Washers



This resource gives an overview of the different types of washers stocked by Milsons. It includes information on the different types of washers (flat washers, spring washers, cup washers, etc.), their applications and material properties (metal treatments, finishes, etc.)

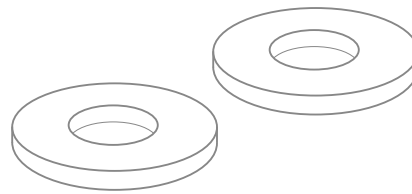


## Light Washer

Light washers, also known as Flat washers, are a general-purpose washer used to distribute load across a greater surface area.

Finishes

- Zinc
- Stainless, 304 & 316

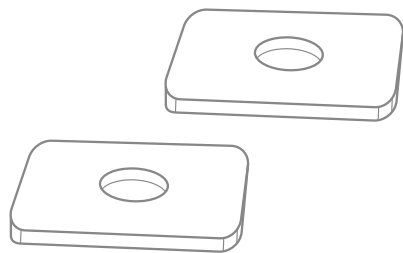


## Heavy Washer

Heavy washers are similar to light washers but with a greater thickness. This allows them to bear a greater load than a Light Washer.

Finishes

- Black
- Zinc
- Galv
- Stainless, 304 & 316

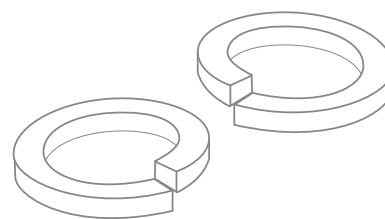


## Square Washer

Square Washers have a square outside, and a hole in the middle. Like round washers, these are used to distribute a load over a greater surface area. They are mainly used in the construction industry for timber and concrete applications.

Finishes

- Galv
- Stainless, 304 & 316

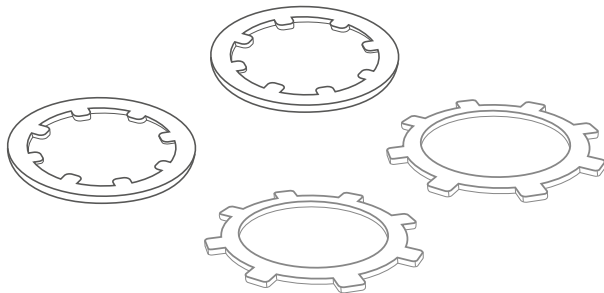


## Spring Washer

Spring washers, also known as split washers, are a type of lock washer. They have a split in the washer section, and the washer is formed so the ends of the split are proud. When a nut is tightened onto the washer, the ends bite into the mating surface of the nut preventing an anti-clockwise rotation and loosening of the nut.

Finishes

- Black
- Zinc
- Galv
- Stainless, 304 & 316

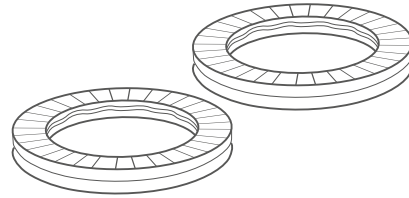


## Internal & External Tooth Lock Washers

Tooth lock washers have serrated teeth either internally or externally. When a nut is tightened onto the washer these teeth bite into the mating surface which locks the nut in place. Tooth lock washers are best used on softer surfaces, as a hard surface will flatten the teeth, reducing the effectiveness of locking.

Finishes

- Stainless, 304

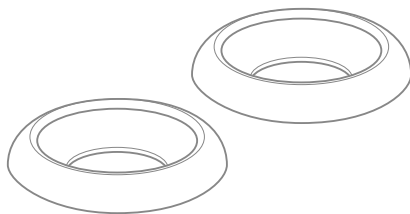


## Wedge Lock Washer

Wedge Lock Washers are a two-part washer, with each part having cams on one side and gripping teeth on the other. When a nut is tightened onto the washer, the teeth grip the mating surfaces, causing the cams to slide onto each other. As the angle of the cam is greater than the thread pitch, this forms a wedge under the head, locking the nuts due to this tension.

Finishes

- Zinc
- Stainless, 316



## Cup Washer

Cup Washers are used with countersunk head self-tapping screws for aesthetic purposes. Being formed with a semi spherical shaped bottom they provide a tidy and smooth finish.

Finishes

- Stainless, 304

ⓘ The data provided in this document is for general guidance only and should not be solely relied upon when working to stringent specifications. We recommend consulting with qualified experts regarding any technical queries. This information may change without written notice.