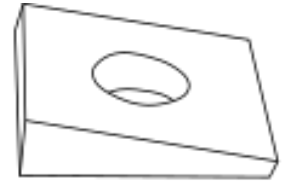


WASHER TYPES



Beveled Washer

Wedge shaped washer typically made of hardened steel. Used to provide a flat, stable bearing surface for fasteners on non-parallel surfaces to ensure even load distribution.



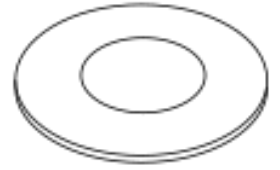
Cup Washer

The cup on this washer conceals the head of a screw for a clean look while protecting the material surface.



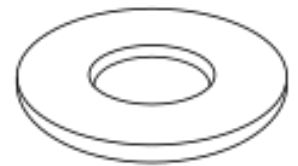
Disc Spring Washer

AKA belleville washers. These are conical shaped which provides a spring force for absorbing shock and maintaining tension.



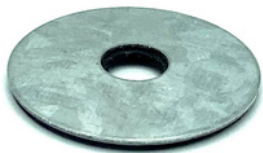
Flat Washer

The most popular type of washer which is flat and distributes load evenly to prevent damage or pull through on the material.



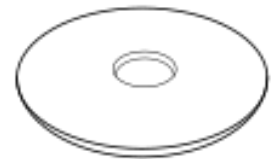
Nyltite Washer

Made from nylon to seal and prevent a leak-proof barrier. Also provides electrical isolation and vibration dampening.



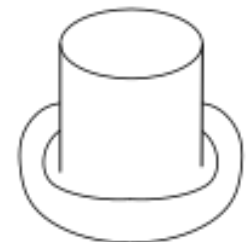
Sealing Washer

Provides a seal for liquids and gases. A soft material like rubber is used against a metal, typically stainless steel or galvanized steel.



Shoulder Washer

A large flange and a sleeve is used for insulating fasteners or wires from electrical current, moisture, and friction.



Wave Washer

A washer that has waves to provide a spring force and act as a cushion. Available in multiple types of waves.

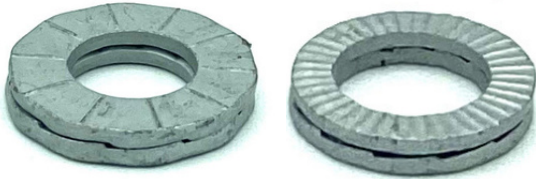


LOCK WASHER TYPES



Split Lock Washer

This is the most common lock washer. It has spring tension when compressed which prevents the nut from coming off.



Wedge Lock Washer

Sometimes these are referred to by their brand names of Nord-Lock or Disc-Lock washers. It's a two piece system that uses internal cams and serrations to ensure it doesn't unintentionally loosen.



Internal Tooth Lock Washer

This type of washer has teeth on the inside of the washer which bites into the screw or nut. Typically, these are used in electrical components.



External Tooth Lock Washer

AKA star washers. These have teeth on the outside of the washer which bite into the work surface and have a stronger hold than internal tooth. There are also countersunk washers which have flexed external teeth.



Internal & External Tooth Lock Washer

This is a lock washer which has teeth on the inside and outside of the washer to get the benefits of both int and ext washers.