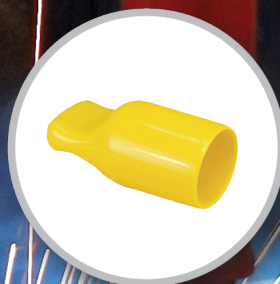


Quick Guide

COMPONENTS FOR METAL FABRICATION



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CERTIFIED: ISO 9001:2015

ISO 14001:2015

OHSAS 18001:2007

IATF 16949:2016



Thousands of products are working every day to support your fabrication operations. Whether industrial, structural or commercial, our extensive range of components are proven to protect your processes or add the perfect finishing touch for a reliable solution that maximizes your product quality and in-plant productivity and efficiency.



PAINTING, POWDER COATING, AND E-COATING

High-temperature masking solutions to protect areas or components from exposure during your production and finishing processes.

1



VINYL PULL CAPS

[View online](#)

An economical solution for one-time uses with excellent chemical resistance. Ergonomic finger pull tab for easy removal.

Typical Use: Easy removal caps

2



MASKING CAPS

[View online](#)

Wide flange design provides a positive seal and easy removal. Offered in economical EPDM and silicone for high temperature applications with both types being reusable.

Typical Use: Protects tube ends

3



TAPERED PAPER PLUGS

[View online](#)

Environmentally-friendly, recyclable masking solution that does not promote condensation. Economical solution compared to rubber and silicone products.

Typical Use: Environmentally friendly

4



THREADED PROTECTION PLUGS

[View online](#)

Masks off the chamfer and protects the first turn through the last turn of threads from contamination. These plugs will not blow out due to air pressure and they are reusable.

Typical Use: Threaded holes

5



SILICONE TUBING

[View online](#)

An excellent solution to fit over longer parts where standard caps are too short, this tubing conforms to irregularities and can be cut to a required length. It is reusable and will not melt or harden.

Typical Use: Protects long lengths

6



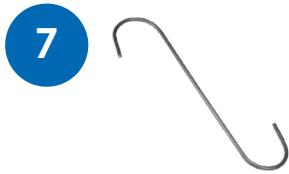
TAPERED MASKING PLUGS

[View online](#)

Plugs threaded or unthreaded holes and available in premium silicone for high temperature applications or economical EPDM.

Typical Use: Protects threaded or unthreaded holes

Painting, Powder Coating, and E-Coating - Cont.

**HOOKS**
[View online](#)

Whether you need to coat small parts or large racking parts, hooks are available in various styles and sizes to help you achieve consistent grounding and high load capacity.

Typical Use: Hang parts and carry ground

**TAPE**
[View online](#)

Where a cap or plug won't fit your requirements, tape disks and rolls help to provide protection on irregular shapes with easy, one-piece removal without leaving residue.

Typical Use: PC boards, electrical insulation, soldering, powder coating

**FLANGELESS TAPERED PLUGS**
[View online](#)

Protects threaded or unthreaded holes without masking the surrounding areas. Ergonomically friendly pull tab allows for easy installation or removal.

Typical Use: Allows coating all the way up to the hole



SHIPPING PROTECTION

Safely guard your products from damage, dirt, corrosion and moisture during storage and shipping.

1



VINYL CAPS

[View online](#)

The flexible material on these caps can stretch onto larger dimensions for a snug fit without tearing, splitting or shredding and protects threaded or non-threaded tubing, rods, pipe or paper tubes.

Typical Use: End caps

2



THREADED PLUGS

[View online](#)

Applied or removed by hand, hex wrench or screwdriver. Our threaded plugs line protect Unified, JIC, Metric, NPT and BSP Gas threads. Our lines with O-Ring provide a watertight seal.

Typical Use: Threaded holes, hydraulic fittings

3



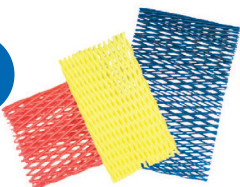
TAPERED PLUGS

[View online](#)

The tapered design allows for plugging of multiple inner diameters or the capping of multiple outside diameters.

Typical Use: End plugs, end caps

4



NETTING

[View online](#)

Easily applied and removed, netting does not trap or retain moisture and stretches and wraps snugly around virtually any form.

Typical Use: Irregular shapes, long lengths

5



PIPE CAPS

[View online](#)

Designed to protect outside pipe diameters and sized for positive gripping power, these caps eliminate foreign material from entering your pipe.

Typical Use: Oil and gas pipe

6



FLANGE PROTECTORS

[View online](#)

Weather and petroleum resistant, these protectors quickly fit into flange bolt holes and require no fasteners.

Typical Use: Raised face flange protector

CABLE MOUNTING AND WIRING



Manage, organize and protect your cabling for a range of demanding applications and environments.

1



FLEXIBLE HOLE GROMMETS

[View online](#)

Grommets offer wires and cables protection from abrasion and cuts caused by sharp edges on pass-through holes. Standard PVC material is non-staining, resistant to ozone, acids and sunlight with excellent aging qualities.

Typical Use: Fabricated holes in sheet metal

2



BUSHINGS

[View online](#)

Easy to snap into common panel thicknesses, bushings protect wires, cable and tubing from the sharp edges of sheet metal holes.

Typical Use: Fabricated holes in sheet metal

3



CONDUIT

[View online](#)

Easy installation and removal of wiring due to its split design while its flexible body allows for corner/elbow wiring. Conduit offers protection for electrical harnesses and can be used for hydraulic hoses.

Typical Use: Cable, wire and wire harness protection

4



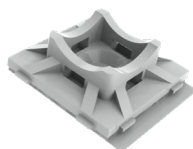
CABLE TIES

[View online](#)

Self-locking fastener used to handle cable and wire bundling that complies with MS-3367 and MIL-S-23190E.

Typical Use: Securing and bundling cables and wires

5



TIE MOUNTS

[View online](#)

The low profile design of these mounts supports use in tight spaces with an ability for cable ties to be inserted from all four sides. Mounts may be secured with screws or adhesive.

Typical Use: Routing cables and securing them in place

6



RIVETS & CLIPS

[View online](#)

Rivets are a quick and easy fastener solution that can be installed without tools! Clips secure wires and cables in place.

Typical Use: Panels, server racks

FINISHING

Complete your fabrication for the final touch in security, function and aesthetic.

1



TUBE INSERTS

[View online](#)

Often used for finishing off tubing, tube inserts provide a discrete finish making them a popular solution across many different processes.

Typical Use: Furniture, metal tubing

2



PUSH IN FASTENERS

[View online](#)

Suitable for front panel mounting, these economical clips easily snap into round holes and cover a smaller surface area. They are utilized for securely holding a variety of materials in place, including both metals and plastics.

Typical Use: Machine assembly, sheet metal, panels

3



HAND GRIPS

[View online](#)

Designed to provide a strong and comfortable grip to items with handles and levers and ideal for those applications requiring a uniform grip. Its flexible material can stretch onto slightly larger dimensions for a snug fit without tearing, splitting or shredding.

Typical Use: Lawn & garden, materials handling, sports, mobility, healthcare

4



GROMMETS & BUSHINGS

[View online](#)

Wire, cables, tubing and hose protection that installs instantly by snapping into the hole with excellent adhesion. Designed to fit standard sheet metal holes.

Typical Use: Fabricated holes in sheet metal

5



SHEET METAL PLUGS

[View online](#)

This economical, snap-in plug can be easily pushed into fabricated bores for protective or aesthetic purposes. The plug's flange creates an easy removal, meaning the part can be easily re-used.

Typical Use: Sheet metal

6



KNOBS

[View online](#)

Clamping knobs are used for adjusting and tightening across a wide range of industries. Made with recycled polypropylene these offer a tough, chemical resistant material, for use in moderate to heavy torque application.

Typical Use: Industrial machinery, automation equipment, fixturing, lawn & garden

Finishing - Cont.

7

**WELD-ON BULLET HINGES**[View online](#)

Used to provide a compact and strong method of attachment to metal doors with metal frames. These hinges offer a clean and discreet appearance no matter where they are applied and can be mounted in several configurations.

Typical Use: Heavy-duty doors, machinery, cabinets

10

**RETRACTABLE SPRING PLUNGERS**[View online](#)

Ring pull plunger pins are used in machining applications as positioners, loading pins, alignment pins, and indexing devices. These hand retractable pins are used as a fast and convenient way to adjust or remove accessories on equipment. These plunger pins come with a ring pull for easy removal and identification tags as needed.

Typical Use: Machinery, tooling, trailers

8

**LOCKS**[View online](#)

Secure doors and lockers, safety boxes, office equipment and many other items.

Typical Use: Steel cabinets, furniture construction, HVAC units

11

**GASKETS**[View online](#)

Clip-on profiles offer edge protection and sealing. Essentially used on metal sheet, they offer protection from vibrations, ingress of humidity and dirt. They provide an additional seal to enclosure boxes.

Typical Use: Edge protection, sealing requirements (IP)

9

**HANDLES**[View online](#)

Bridge handles have a solid industrial one-piece design and offer multiple fastening methods be it front or rear installation. These handles allow for an ergonomic and full grip operation for your panel or door.

Typical Use: Cabinets, furniture, drawers

12

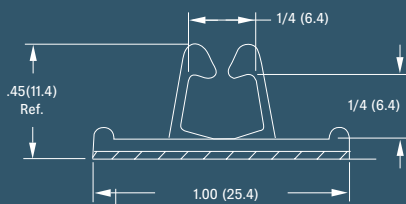
**CONCEALED HINGES**[View online](#)

Concealed hinges offer a clean and concealed option for securing your panels and doors. The design allows for standard installation on fabricated bends and curves. Concealed style hinges feature a take-apart design to allow for easy removal of your panel and door and can be secured by fasteners and welding methods.

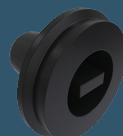
Typical Use: Cabinets, machinery panels, electrical boxes

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MATERIAL HANDLING



Tightly secure objects for applications requiring low profile, ergonomic handling and versatile positioning.

1



TOGGLE CLAMP - HORIZONTAL

[View online](#)

These clamps feature a hand grip with cushioned profile for improved user comfort

Typical Use: Welding, machining, assembly, testing

2



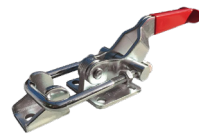
TOGGLE CLAMP - HOOK AND LATCH

[View online](#)

This hook type, horizontal clamp features pivot points fitted with hardened steel or stainless steel rivets to maintain accuracy and provide a long service life. Adjustable spindles are manufactured with formed end to the arm with handle/arm linkage designed to provide a smooth continuous action.

Typical Use: Welding, machining, assembly, testing

3



TOGGLE CLAMP - HOOK AND LATCH

[View online](#)

This latch type clamp offers body and linkage components for light duty that are zinc plated to resist corrosion. Pivot points are fitted with hardened steel or stainless steel rivets to maintain accuracy and provide longer service life.

Typical Use: Welding, machining, assembly, testing

4



TOGGLE CLAMP - PUSH-PULL

[View online](#)

A push pull type, this clamp maintains a close tolerance between the base and plunger to allow use for pin location and gauging. The heavy-duty range has ductile cast iron bases for strength and rigidity.

Typical Use: Welding, machining, assembly, testing

5



TOGGLE CLAMP - VERTICAL

[View online](#)

This vertical clamp type offers adjustable spindles manufactured with a formed end to the arm with flanged washers supplied for all slotted arm versions. Pivot points are fitted with hardened steel or stainless steel rivets to maintain accuracy and provide longer service life.

Typical Use: Welding, machining, assembly, testing

6



TOGGLE CLAMP ACCESSORIES

[View online](#)

Accessory spindles and bumpers for spare parts. Used with our standard manual clamping ranges.

Typical Use: Replacement parts for TCF and TVC Series

COVER YOUR ASSETS!

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