

Quick Guide

COMPONENTS FOR METAL FABRICATION



www.essentracomponents.com/en-fi

MAKING IT EASIER

SOURCING, SIMPLIFIED

Get the components you need, when you need them. We are aiming to be the world's leading, responsible, hassle free supplier of essential industrial components, leveraging 65+ years of expertise to serve over 70% of the world's top manufacturers. With a global reach and local support, we offer the parts you need, when you need them, all backed by exceptional service.



70+ Years solving customer challenges



Manufactured in **Europe**



Local **expertise**



Custom solutions available

Moss
FORMATION OF
MOSS PLASTIC
PARTS

1955

plastiv's
ACQUISITION
OF PLASTIVIS

2001

ALLIANCE
ACQUISITION
OF ALLIANCE

1987

DURACO
ACQUISITION
OF DURACO

2007

Skiffy

2004 ACQUISITION
OF SKIFFY

Richco
ACQUISITION
OF RICHCO

2011

mesan
ACQUISITION
OF MESAN

2013

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2014 ACQUISITION
OF KELVINDALE

Kelvindale
Products Pty Ltd.

micro plastics, Inc.
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2017

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Hertila

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Reid Supply Company

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ABRIC®



SUPPORT WITH WHATEVER YOU NEED, WHEN YOU NEED IT

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 maximises your product quality and in-plant productivity and efficiency.

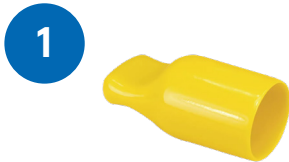


PAINTING, POWDER COATING, AND E-COATING



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

ASK US ABOUT OUR PCR RANGES



VINYL PULL CAPS

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

Typical Use: Easy removal caps



MASKING CAPS

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



TAPERED PAPER PLUGS

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

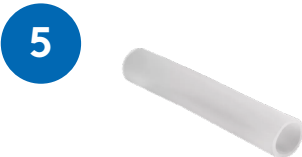
Typical Use: Environmentally friendly



THREADED PROTECTION PLUGS

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



SILICONE TUBING

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.

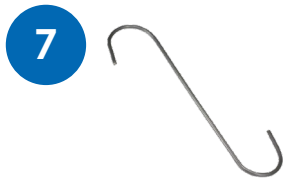
Typical Use: Protects long lengths



TAPERED MASKING PLUGS

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

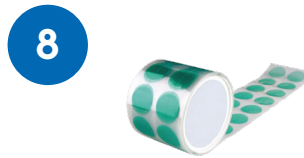
Typical Use: Protects threaded or unthreaded holes



HOOKS

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

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: PCB boards, electrical insulation, soldering, powder coating. Also, custom shapes are easily available



FLANGELESS TAPERED PLUGS

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

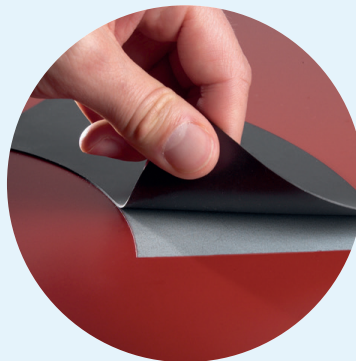
Innovative solutions for precision masking to save time and reduce labour costs

- Custom design to suit many applications
- Quick and easy to apply and to remove
- Efficient and effective



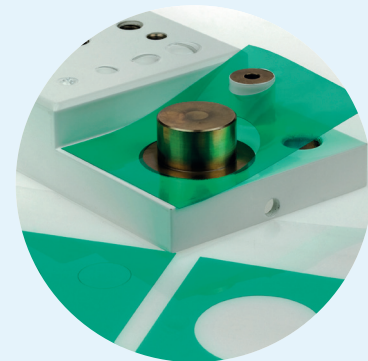
VACUUM FORMED PLASTIC COVERS

- Consistent positioning with magnetic attachments
- Perfect for masking complex profiles
- Re-useable



CUSTOM DIE-CUT MAGNETIC SHAPES

- Choice of thickness and texture



CUSTOM DIE-CUT ADHESIVE SHEETS

- Selection of masking films on a polyester liner
- Choice of thickness to adapt to your design
- Silicone adhesive for high temperature applications

SHIPPING PROTECTION



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

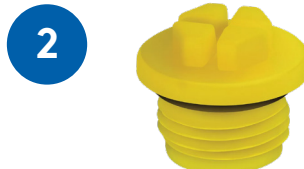
ASK
US ABOUT
OUR PCR
RANGES



VINYL CAPS

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



THREADED PLUGS

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.

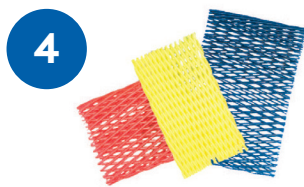
Typical Use: Threaded holes, hydraulic fittings



TAPERED PLUGS

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

Typical Use: End plugs, end caps



NETTING

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



PIPE CAPS

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



FLANGE PROTECTORS

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

1



FLEXIBLE HOLE GROMMETS

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

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

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

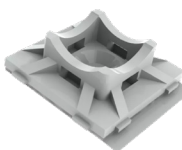


CABLE TIES

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

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

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

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

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

Typical Use: Machine assembly, sheet metal, panels

3



HAND GRIPS

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

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

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

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



7



WELD-ON BULLET HINGES

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

8



LOCKS

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

Typical Use: Steel cabinets, furniture construction, HVAC units

9



HANDLES

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

10



RETRACTABLE SPRING PLUNGERS

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

11



GASKETS

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)

12



CONCEALED HINGES

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

13

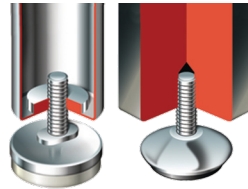


ADJUSTABLE MACHINE FEET

Adjustable machine feet, also known as heavy duty adjustable feet or adjustable levelling feet, allow adjustment under load, while the base remains stationary.

Typical Use: Machine tools, electronic racks and other similar applications

14



ADJUSTABLE FEET - CHROME CAPPED

Chrome capped adjustable feet have an attractive chrome metal cover shell. The non-tilt design provides extra stability and protects floor surfaces from abrasion.

Typical Use: Ideal choice for uneven surfaces

15



STUD MOUNT LEVELLING FEET

Stud mount levelling feet with a plastic swivel base adjusts to uneven surfaces. The articulating swivel and large diameter pads provide solid leveling and support.

Typical Use: Levelling machine tools and electronic racks

MATERIAL HANDLING



1



TOGGLE CLAMP - HORIZONTAL

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

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

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

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

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

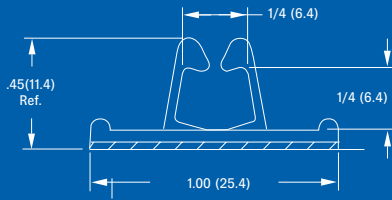
Accessory spindles and bumpers for spare parts. Used with our standard manual clamping ranges.

Typical Use: Replacement parts for TCF and TVC Series



FREE SAMPLES AND CAD DOWNLOADS

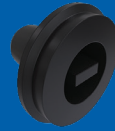
To make your job easier, we've made [free samples](#) available on most of our solutions, so you can try before you buy. You can also download [free CADs](#) of our solutions.



WE MANUFACTURE CUSTOM PARTS, TOO!

Working with over 70% of the world's top 100 global manufacturers. With over **70 years** of manufacturing experience, we can customise our wide range of components for a variety of industries and applications.

3D PROTOTYPING LOCAL SERVICE & SUPPORT



BETTER PROTECTION THROUGH SUSTAINABLE INNOVATION

At Essentra, we're making it easier to reach your sustainability goals faster.

See our general protection solution made of post-consumer recycled (PCR) material - engineered to match virgin material across diverse and demanding applications.

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ABOUT OUR
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RANGES



Improve the ESG compliance and reputation



Support waste reductions and circular economy goals



Access green incentives and grants

WHY ESSENTRA?

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STOCK**

**FAST
DISPATCH**

**GLOBAL
REACH**

**OVER
50,000
PRODUCTS**

**ISO & IATF
ACCREDITED**

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