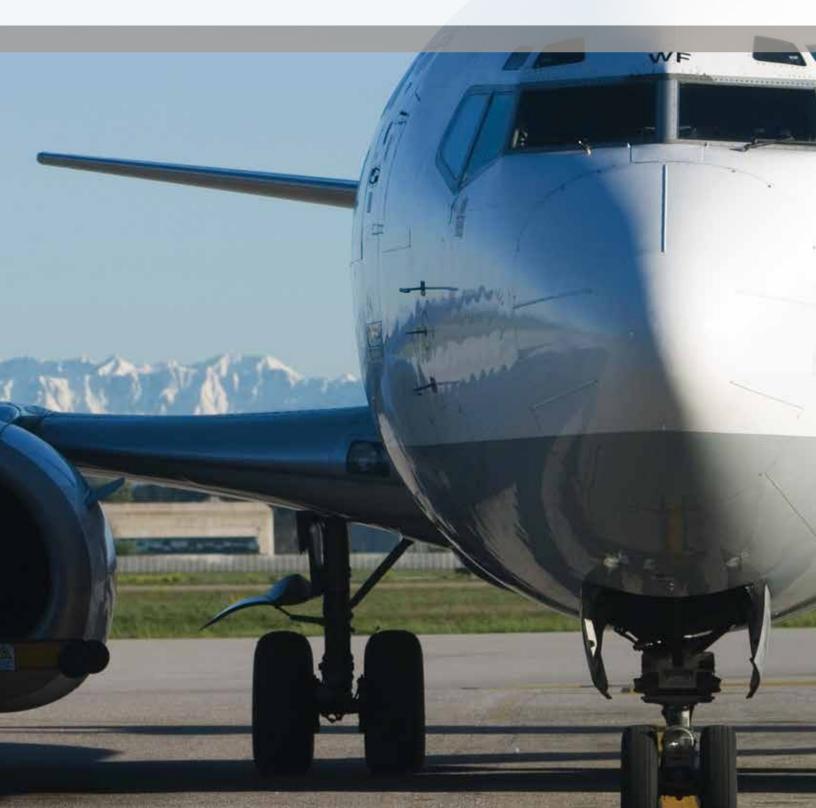


Protective Caps & Plugs | Masking Solutions | Hydraulic Component Protection | Electronic Connector & Component Protection



company overview

For more than 65 years, Caplugs
has been the leader in product
protection with innovative plastic
and rubber molded components that
solve industry-wide challenges for
the aviation market. We have over
12,000 standard products that include
plastic caps and plugs, netting, tubing,
masking products, hose protection
and other molded components.

If one of our 400 million parts in stock doesn't meet your needs, a dedicated team of in-house design engineers will collaborate with you every step of the way to develop a custom part to fit your exact requirements. We offer a wide range of molding processes, hundreds of material options and a stringent, certified quality management system.

As a global manufacturer with a worldclass sales and service team, Caplugs is your trusted source for plastic component solutions you can rely on. Caplugs has been serving MRO and OEM customers in the aviation industry since 1948. We don't just sell parts – we're here to ensure your needs are met with the right part that protects your product or component during shipment, storage, assembly, repair, refurbishment and finishing processes. Caplugs' vast molding capabilities, aviation industry expertise and global reach make us an ideal partner and single source for all of your molded component needs.

aviation solutions made easy

most comprehensive product line and custom molding capabilities

- Over **12,000** parts in stock and ready to ship
- Broad range of product styles, sizes and materials
- Most extensive in-house **custom** capabilities
- Stringent quality management system to ensure **consistent quality**
- Full **PPAP** and **FAIR** processes in place
- Wide variety of products that are MIL/NAS spec compliant







aviation industry experience and expertise

Caplugs parts are used in a wide variety of aviation applications by OEMs, tier suppliers and MROs. While the possibilities for product protection are nearly endless, here is a sampling of the types of protection Caplugs provides:

- Protect open ports from FOD
- Cushion delicate threads
- Protect hydraulic hoses for longer life
- Hydraulic valve protection
- Masking caps, plugs, tapes and discs
- Finishing parts for high visibility
- Tube and duct protection
- Wing and landing gear protection
- Stud protectors
- Bearing protectors
- Assembly guides
- Window masks for stripping and painting
- Lage liners
- Grommets



comprehensive engineering and manufacturing capabilities

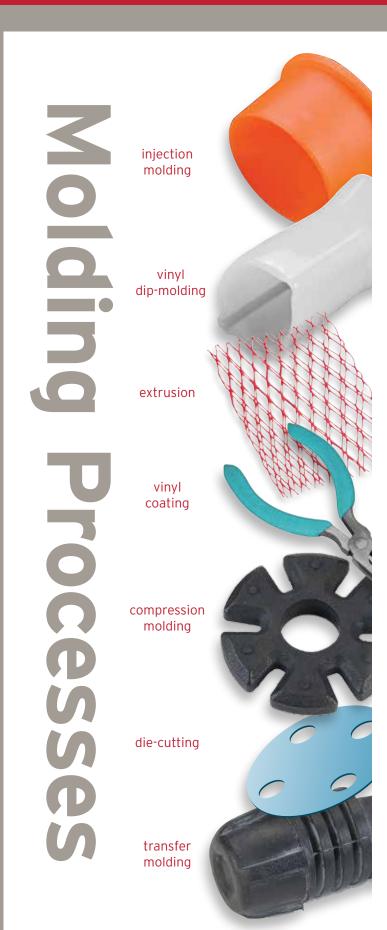
With 7 different processes to work with, we can select the one to most effectively and cost efficiently meet your specific needs.

Full in-house capabilities include:

- 3D modeling
- Rapid prototyping
- Advanced tool room
- 15 SolidWorks stations
- 3,000 production-ready custom molds available

We have **thousands of certified materials** to meet your performance needs, and our full staff of in-house engineers can also formulate and mix a custom compound for specific performance attributes and characteristics.

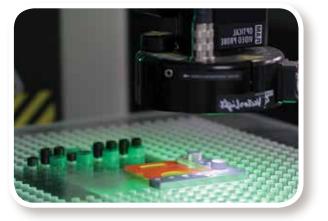




we're built for aviation

We understand the needs of the aviation industry and look forward to helping you soar with:

- > 24/7 customer support
- > Onsite visits from local sales team
- > 99% on-time delivery
- > JIT shipping if needed
- > EDI inbound and outbound documentation with third-party system
- > Advanced shipping notice
- > Inventory programs based on your planning documents
- > Quick quote turnaround
- > Fast turnaround on rapid functional prototypes



quality management system

Caplugs' stringent quality management systems ensure the necessary process controls to provide our customers with consistent, quality products.

Our Production Part Approval Process (PPAP) and FAIR compliance are important components of a comprehensive quality management system that provides traceability, record retention and strict process controls to ensure aviation supplier specifications are met.



- New York, Pennsylvania, Shanghai and Hangzhou, China facilities certified to ISO 9001 and ISO/TS 16949
- California and Texas facilities certified to ISO 9001
- New York, Pennsylvania, California, Shanghai and Hangzhou, China facilities certified to ISO 14001
- New York facility has a Class 8 clean room with an ISO 13485 certified quality management system

Over **400,000,000** parts in stock.

10,000,000 parts produced per day.

Over **12,000** standard parts.

Over **200** molding machines.

Over **15** engineers.

6 global manufacturing facilities.

The **1** partner you need.

custom engineered solutions made easy

Let our engineers collaborate with your team to develop unique solutions that meet your needs. To fully support our customers, we not only offer you a variety of custom molding capabilities, we have built an infrastructure that enables us to step in at any stage of your process.

Comprehensive Collaboration

Our team takes you from R&D to prototyping through full production.

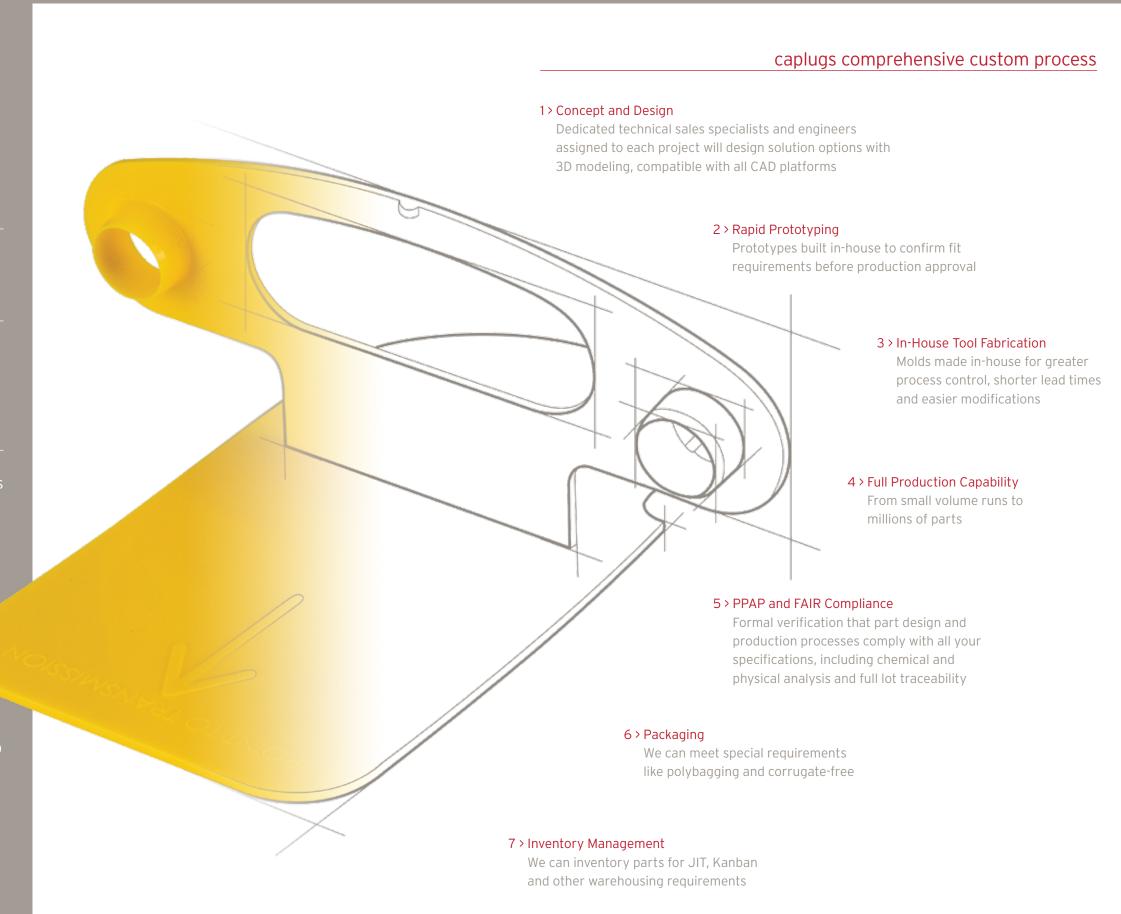
Design Consultation and Production

Our team reviews your team's designs and offers recommendations on performance features, such as material, installation ergonomics and more.

Production Only

Your team develops the design, chooses the material and finalizes all other features of the part. Our team partners with you for production.

Need a unique shape? Size?
Color? Material?
Process requirements?
We can help.



protective caps and plugs



- > Prevent FOD and damage during shipping and storage
- > Available in various materials, including plastic, vinyl, aluminum and more

tapered caps and plugs



T SERIES Tapered body gives snug fit as cap/plug



Flexible injection molded vinyl cap/plug

W SERIES Wide-flanged cap/plug

CE SERIES

Plastic caps for

threaded pipe ends



WW SERIES Wide, thick flange cap/plug

COF SERIES

Round caps for

tubing and rods

FF SERIES

Square, hexagonal

and triangular caps



EPN-240

Recessed pipe caps

FFP SERIES

Finger-lock

flange covers

SERIES

WWX SERIES Extra-wide, thick flange cap/plug



Push-on

EPN-250

SERIES

non-threaded caps



Straight-sided utility caps



FAN SERIES

Flange covers

with bolt holes



EZC SERIES Non-threaded caps for NPT fittings



JS SERIES

Tear-tab caps for

straight threads

J SERIES



TS SERIES

Tapered silicone

caps and plugs









UVCP-SH SERIES Silicone venting

cap/plug











protective caps and plugs (cont.)



AN SERIES Vinyl caps for AN-style fittings



EZ SERIES Flexible vinyl EZ-pull caps

VAS SERIES

Vinvl ASA

fittings

flange covers



temperature caps

VC SERIES

Flexible vinvl caps





Round vinvl caps with flange



HFC SERIES

Flex500® flexible

Vinyl flange covers



MS SERIES Vinyl hex caps for MS-style fittings



USB-A SERIES Caps for Type A female ports



Flex500® flexible

round caps

VMF SERIES Vinvl "U" shaped caps





VAC SERIES

Vinyl angle caps

VRR SERIES Rounded-top vinvl caps and grips



VSR SERIES Caps for flanged Vinyl tethered caps and flange mounted



Vented vinyl caps



non-threaded plugs



DO SERIES

Dome, ribbed

tubing plugs

Snap-in flange

protectors











Conductive caps/plugs

FP SERIES

square tubing

Finishing plugs for









Utility plugs

FP-SH SERIES

Rubber flangeless plugs



Plugs for threaded

GN-SH SERIES

Green neoprene plugs

connectors



CEP SERIES Conductive plugs for threaded connectors

EPN-305

Push-in protectors

HFPP-SH SERIES

Hollow-flanged

MSP-SH SERIES

pull plugs

SERIES

































- > Available in standard carton and Mini Pak quantities







C SERIES CC SERIES

Flange covers



FCR SERIES Heavy-wall caps

for round tubing

MOC SERIES

Mobile oxygen caps

PTC SERIES

Tapered paper caps



OE SERIES

Open-end thread

PZC SERIES

Multi-purpose

cap/plug

protectors



RH/RHW SERIES

Finishing and protection

for raised-head screws

Packaging caps



Silicone caps



SF SERIES

connections



SFC SERIES Silicone flange caps

EVC SERIES

vented caps

GC SERIES

grease fitting caps

PN SERIES Push-on caps for

NPT fittings

Color-coded









HWP-SH SERIES











MPP SERIES

Multi-purpose

snap-in plugs

bearing plugs

MSC SERIES

ESD connector plugs

RERV SERIES Flexible rectangular load-bearing plugs





HCR SERIES

Flex500® flexible caps with pull-tab

HEZ SERIES

VCF SERIES

Vinyl hanger caps

VRF SERIES Flat-topped vinyl caps and grips











connectors

Valve flange

protectors

IEC SERIES Plugs for female

K SERIES Plugs for round tubing



Bevel edge openend protectors







EPN-310

Outside fitting

FTC SERIES

Caps for flareless

tube and nut

assemblies

SERIES

protectors







PTP SERIES Tapered paper plugs

RCK-SH SERIES Regular cork plugs

RER SERIES Rectangular load-

protective caps and plugs (cont.)

non-threaded plugs



SCK-SH SERIES Short cork plugs



plugs for threaded connectors



SQR SERIES Square load-bearing plugs



Flexible square load-bearing plugs





STC SERIES Snap-to-connect plugs

SFP SERIES

connections

Covers for split-flange



SFP-SH SERIES

Silicone flanged

cap/plug

STP SERIES Shallow tube plugs for packaging tubes



SH SERIES

Finishing plugs for

socket head screws

STPS-SH **SERIES** Self-threading plugs



Silicone washer plugs

SP-SH SERIES

Silicone step plugs

T SERIES Tapered caps and plugs

SPP-SH SERIES

Silicone pull pluas



SPT SERIES



Tube end plugs

masking solutions



- > Masking products used in all finishing processes
- > Protection to endure chemical stripping, media blasting and other corrosive processes
- > Designed to mask and protect parts in production, as well as parts being prepared to receive finish coatings
- > Materials include fully cured silicone that removes cleanly and is compatible with the latest coatings and cure temperatures to optimize performance and minimize cost

TLF SERIES Toggle lock flange covers





UFP-SH SERIES Silicone flangeless plugs

UHCP-SH SERIES

Silicone hollow



SERIES Silicone multiflanged plugs







Silicone plugs



Plugs for Type B female ports





Flex500® flexible caps with pull-tab



HFC & VFC













SERIES Rubber masking cap/plug

ZC-SH SERIES









pull plugs







pluas - lona series

cone pluas



flanges







WPT SERIES Extra-wide flange center pull tab



threaded plugs



DPN SERIES UNS) plugs















plugs for flared

JIC fittings







TH SERIES Hex socket threaded plugs



TM SERIES Metric generalpurpose pluas



















HETV & ETV













vinyl plugs

HETV SERIES High-temp vinyl Flex500® external thread plugs



Flex500®

tapered plugs







TP SERIES Tapered vinyl plugs





caps and plugs



Flexible vinyl

tapered plugs





HCR SERIES Flex500® hightemperature caps



SFC SERIES Silicone flange caps



SRC-SH SERIES Silicone flanged Silicone grounding caps cap/plug



UVCP-SH SERIES Silicone venting cap/plug

HTP & TP Flex500® tapered

WC-SH SERIES

Silicone washer caps







Hollow washer plugs





MSP-SH **SERIES** Extra long silicone plugs









Tapered paper plugs

RCK-SH SERIES Regular cork plugs

RMCP-SH **SERIES** Rubber masking cap/plug

SCK-SH SERIES Short cork plugs

SFP-SH **SERIES** Silicone-flanged cap/plug









catalog product selector guide

masking solutions (cont.)

plugs



STPS-SH **SERIES** Silicone washer plugs Self-threading plugs



TS SERIES Tanered silicone cap/plug



UDPP-SH SERIES Silicone dual-purpose plugs



UHCP-SH SERIES

Silicone hollow

cone plugs



flanged plugs

SERIES Silicone plugs Silicone multi-





with handles

UTM-SH SERIES Silicone thread masks









UWPP-SH SERIES Silicone washer pull plugs



miscellaneous masking and kits



CSC SERIES Clear stretchable covers









SERIES Flex500® vinyl masking kit



SERIES Standard vinyl masking kit



SK-SH SERIES ST-SH SERIES Masking starter kits Silicone tubing



UC-SH SERIES Silicone cord



US-SH **SERIES** Silicone sheeting





masking tapes



22-SH SERIES masking tape



SERIES Off-white crepe paper masking tape





SERIES White glass cloth masking tape



PC21-SH SERIES Green polyester masking tape



PC25-SH SERIES Green heavy-duty polyester masking tape



Yellow polyester

masking tape



PC90-SH **SERIES** Blue polyester masking tape



Tan vinyl masking discs

KP-SH SERIES

masking die-cuts





LF-SH SERIES

masking discs

AD-SH SERIES AF-SH SERIES Silver aluminum foil masking discs



PB-SH

SERIES

Blue polyester

masking discs

AIR-SH SERIES Kiss-cut crepe paper or aluminum masks for aircraft windows



PC-SH

SERIES

Green polyester

masking discs

AR-SH & **CD-SH SERIES** masking discs Identification arrows







EZ-SH SERIES Off-white crepe paper masking discs



GC-SH SERIES KD-SH SERIES White glass cloth Off-white crepe paper



PR-SH



masking discs

TF-SH **SERIES** Grey Teflon® masking discs

WBD-SH SERIES Wishbone™ discs



PC-SH SERIES RECTANGLE SQUARE

PC-SH SERIES PC21 green polyester die-cut tape squares

PCD-SH SERIES PC21 green polyester die-cut tape donuts

masking discs



masking discs



hooks, bars and racks



Modular rack bottom cross bar

SHVB-SH

Designed for liquid

and powder coating

SERIES

processes

VB-SH

SERIES

into position

Smart Hooks™ lock



Designed for powder and e-coating processes

SERIES

processes

Designed for liquid

and powder coating

C-SH SERIES



SHVC-SH



Modular rack part

. . . .

CB-SH

SERIES

Modular rack

rectanglular







CV-SH SERIES

Designed for powder

and e-coating

processes



for modular rack

TCB-SH

Top cross bar for

modular rack

SERIES

S-SH SERIES Designed for powder and e-coating processes

TH-SH

SERIES

"T" hook for

modular rack



(000000







Spin hooks













Silicone tape



Try our conductive silicone material for powder coating processes.

hydraulic component protection



> Variety of thread protection, including SAE, NPT, JIC, UN/UNS and more

CD SERIES

Plastic caps for

tubing and

ETV SERIES

Flex500® flexible vinv

external thread plugs

PDI SERIES

Threaded plastic

pluas for inverted

RPO-M SERIES

flared fittings

flared fittings

CD-M Series

for metric fittings

FF SERIES

Caps for flanged and

flange-mounted fittings

PDO SERIES

Threaded plastic

SC SERIES

Straight-sided

sleeve caps

TV SERIES

vinyl cap/plug

Flexible injection-molded

pluas for SAE

0-ring ports

Threaded plastic caps

- > Hose protection
- > Rubber materials for ideal pressure testing

- > Variety of protection solutions for electronic connectors and components used in delicate and specialized systems in the aviation industry
- > Protect against both physical and static electrical damage that could occur during shipping
- > Conductive materials meet application requirements

CEP SERIES

Conductive plugs for

threaded connectors



ADP SERIES Threaded aluminum plugs for flareless tube and hose



CSW SERIES Cut Sleeve-Web® netting



HSF SERIES High-pressure



RC SERIES Caps for externally threaded parts

T SERIES Tapered body gives snug fit as cap/plug



VAS SERIES Vinvl ASA



flange covers



VSE SERIES Tapered caps and Vinvl square end caps



VC SERIES

Hammer union





Aluminum caps for

seal-flared fittings

EC SERIES

Caps for threaded or

smooth connectors

AFO SERIES Threaded aluminum plugs for flatfaced 0-ring



CXT SERIES Center cross



plugs

RCL SERIES

Extra long-bodied caps for

externally threaded parts

TPN SERIES

L SERIES **PDF SERIES** Lift-tab tapered Threaded plastic plugs for flat-faced 0-ring



RP SERIES

TPN-F SERIES

VF SERIES

Vinyl flange covers

flange plugs





ASP SERIES

Threaded aluminum

plugs for 37° flared

fittings and straight-

ECP SERIES

Ergonomic center

pull-tab plugs

PDH SERIES

Threaded plastic plugs

RPO SERIES

for flat-faced 0-ring

hydraulic fittings

threaded ports

Threaded plugs with



VFC SERIES Vinyl caps with flat pull-tab



TUV SERIES

Flexible tear-tab caps

Vinyl caps with flat ergonomic pull-tab











tapered plugs

HC SERIES

and hose ends

Hose caps for tube

PIP SERIES

Push-in plugs

SF SERIES

connections

Caps for split-flange

UPP SERIES



Center pull-tab tapered plugs without flange



HEX SERIES Hexagonal caps





SFP SERIES

UTP SERIES

connections

Covers for split-flange











connectors

EMC SERIES





caps for threaded





EP SERIES

connectors

Plugs for threaded



IEC SERIES

Plugs for female

DCC SERIES

rectangular connectors

D-subminiature

USB-A SERIES Cans for USB Type A cable ends



DCF SERIES

D-subminiature

connectors with

K SERIES

round tubing

Pluas for

flared shells

DP SERIES

connectors

For ITT Cannon-style

MDC SERIES

Caps for Micro-D

connectors

female ports

more protection



PMW SERIES

Flat sheet netting

TSO SERIES

Square open-

end tubina





CVC SERIES Hinged containers



CVV SERIES Two-piece vials



metal and pipe ends









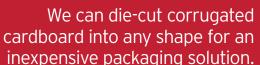






























electronic connector and component protection





AS138 SERIES Electrical connector dust caps

DS SERIES

caps

ESD D-subminiature







Striaght-sided utility plugs





CEC SERIES

Conductive caps for threaded

and non-threaded connectors

EC SERIES

connectors

Caps for threaded



R.145 ethernet jack protective plugs



Static dissipative and conductive

protectors for electro miniature

CEG SERIES

Conductive edge

SEC SERIES Static dissinative

connectors







USB-B SERIES Plugs for Type B















Sleeve-Web® netting





rust inhibitor















Hydraulic Component Protection

Aluminum caps with butyl disc inserted for sealing Skydrol and hydraulic fluids



Stud Protection

Manufactured in a performance material that is flame retardant



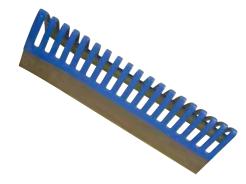
Vinyl Caps

Vinyl caps produced in fire retardant material and double dipped for easy installation and removal



Vinyl Dipping

Tool dipping allows us to vinyl coat racks, tools and any other metal pieces for a cushioned finish in a variety of colors



HEX Series

Hexagonal caps are designed to protect hex-style bolts or nuts from damage and contaminants. A dual bead feature allows parts to securely lock in place.



FUF Series

Plastic caps are designed to protect tube fittings in high vibration hydraulic systems typically found in aerospace and military aviation applications.



AS138 Series

Electrical connector dust caps protect circular electrical connectors. This part is the only line of caps in the industry that meets the new SAE aerospace specification AS85049/138.



AIR-SH Series

Kiss-cut crepe paper or aluminum masks for aircraft windows to safeguard them by forming an impenetrable barrier against chemical action. The masks are pre-cut to aircraft window sizes from high-quality pressure sensitive aluminum foil.





Caplugs is the leader in product protection with manufacturing locations and sales representatives all over the world to serve every customer efficiently.

