ESSENTRA COMPONENTS

Design Engineers Guide

CAPS AND PLUGS DESIGNED FOR PEACE OF MIND

www.essentracomponents.com

MAKING IT EASIER

PROTECT VITAL PARTS FOR MORE EFFICIENT PROCESSES WITH CAPS AND PLUGS

Protect your application with caps and plugs designed to withstand just about any environment. Free samples on selected products let you try before you buy, and free CAD downloads help

go more in depth with our **Ultimate Guide to Caps and Plugs**.

EQUIPMENT MANUFACTURING

Electric cable enclosures | HVAC components | Industrial generator parts | Outdoor utility cabinet

Ensure smooth assembly and transit by protecting critical internal and external profiles from damage while maintaining quality.

PROTECT YOUR DESIGN WITH:

QUICK **RELEASE PLUGS** **THREADED PROTECTION PLUGS**

TEAR **TAB CAPS**



- Suitable to plug ISO A . and ISO B series
- TPE material
- For threaded or plain parts
- Pull tab for quick removal
- Service temperature range: -40°C-135°C (-40°F-275°F)



- Fully threaded to 13.6 mm/0.535 in
- LDPE material

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- Also used in hydraulic and pneumatic industries
- Knurled head for easy grip Service temperature range: -40°C-135°C (-40°F-275°F)
- Suitable as NPT thread plug, and UNF
- LDPE material
- When tab is pulled, cap splits open for quick removal

METAL FABRICATION

Data cabinet | Sheet metal | Furniture

Increase customer satisfaction with a professional finish by masking holes and contact points with easy-to-fit caps and plugs.

GUARD YOUR PRODUCT'S HOLES WITH:

HIGH-TEMPERATURE SILICONE TAPERED PLUGS

FLEXIBLE END CAP





(425°F)

applications

- High temperature rating: 316°C • (600°F)
- Durometer (Shore A) 55 + 5
- Excellent chemical resistance
- Reusable
- Flexibility allows slight variations in the sizes to mask
- Available as a solid plug
- aid in compression; less material needed also makes this cost effective









• Flexible to ensure a tight fitting High-temperature PVC: 218.3°C

• Suitable for a multitude of



- High temperature rating: 316°C (600°F)
- Durometer (Shore A) 55 + 5
- Masks threaded or unthreaded through holes
- Pull tap enables easy insertion and fast removal from tight holes

VEHICLES

Cars | Trucks | Trains

Protect key components from potential debris contamination and safeguard vital threads from damage during storage and shipment to the final assembly plant.





THREADED O-RING PLUG



- Compressing flange lip and o-ring provide water-tight seal for superior leakage protection
- HDPE material, available in a range of thread sizes
- Material flammability standard: UL94-V2

- **TAPERED CAP AND TAPERED PLUG**
- **FLEXIBLE PIPE CAPS**



- Plugs multiple inner diameters • Flexible PE material allows for easier • Caps multiple outside diameters
 - Operating temperature range: -40°C-65.5°C (-40°F-150°F)
- LDPE • Compatible cap thread sizes: BSP 3/8

Tapered caps and plugs made of

• LDPE material

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- Compatible plug thread sizes: M20
- fitting on pipes

HOSES AND HYDRAULICS

Tractors | Excavators | Mining

Minimise fluid spills and maintain hose integrity while ensuring constant machinery uptime and user safety.

GIVE YOUR DESIGN SPECIALIST HOSE-FITTING PROTECTION WITH:

HEXAGONAL CAPS

QUICK RELEASE CAPS





- Available in all common hydraulic coupling sizes
- Also suitable for protecting round components
- LDPE material
 - Rigid design allows easy application and removal
- Female fitting suitable to protect quick release couplings series ISO A and ISO B
- Designed to remain attached to • hose
- TPE material

SPECIFYING THE RIGHT CAP OR PLUG

1. CONSIDER YOUR ENVIRONMENT

Is there a need for UV resistance? Are there high levels of moisture

2. UNDERSTAND YOUR APPLICATION

Masking? If masking a number of holes in a high temperature





THREADED SEALING CAPS



- HDPE caps are resistant to solvents and reduce potential shearing
- Fitted with an internal neoprene rubber sealing disk to limit contamination

3. IDENTIFY THE RIGHT MATERIAL

4. THE PRODUCTION PROCESS

Need fast hand application? Choose a push fit cap or flanged plug Tool based processes? A cross head custom cap or plug is best

5. CONSIDER THE REMOVAL PROCESS

Production environment? An ezeplug can save time in the

Customer environment? Ease of removal is essential so opt



THE DESIGN ENGINEER'S GUIDE







SUPPLY-CHAIN SECURITY

Lead times





CADs are available for most solutions, please request yours today. If you're not quite sure which product will work best for your application, our experts can advise you

TECHNICAL CAPABILITIES

- Proven in-house engineering design team
- All items available in 3D CAD
- Advantage of 3D printing
- Cross-sector experience

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DOWNLOAD FREE CADS AND TRY BEFORE YOU BUY

Free CADs are available for most solutions, which you can download for free. You can also request free samples to ensure the solutions you've chosen are exactly what you need. If you're not quite sure which product will work best for your application, our experts are always happy to advise you.

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