

**CAPRI**

**Malux**

ATEX



## > Products CAPRI INDUSTRY ATEX

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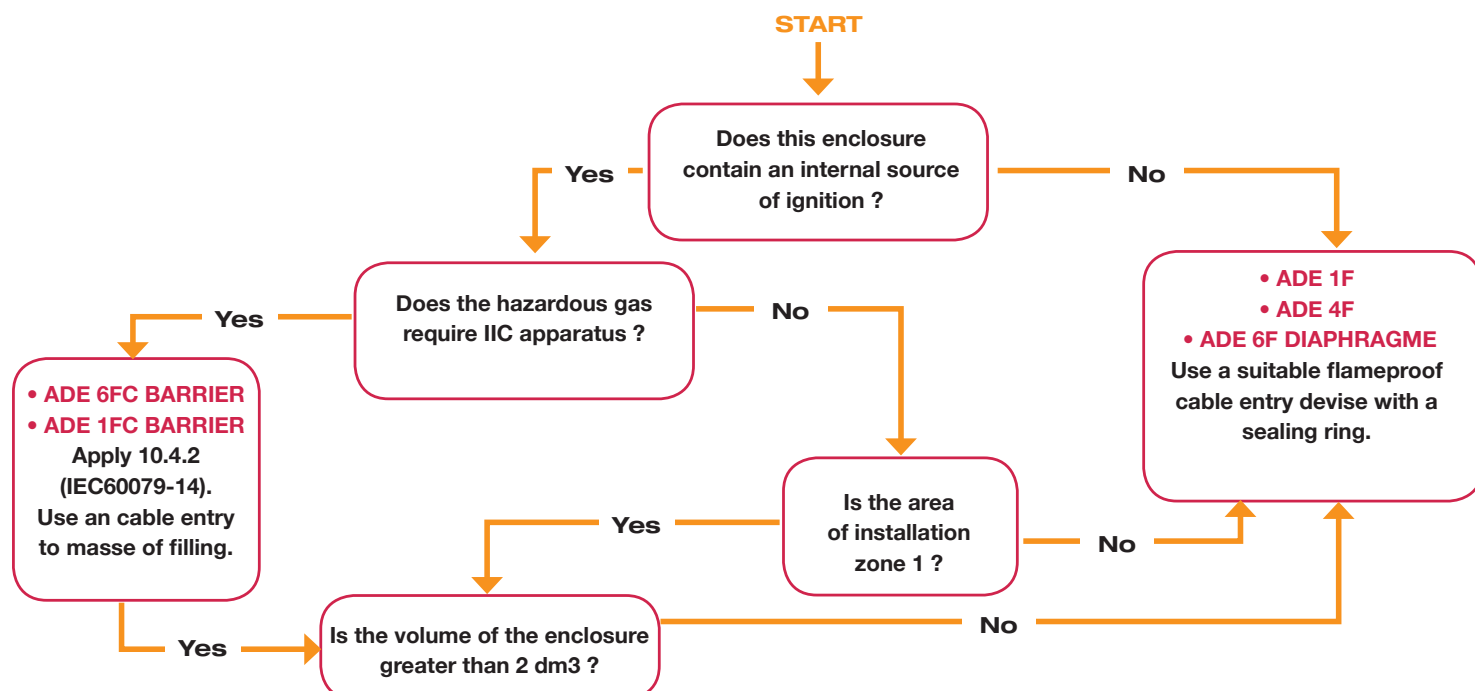
# Guide of technical application

## Selection process for hazardous area cable glands according to IEC

- Identify the type of cable to be connected:  
example : type of cable IEC or others
- Take note of dimensions of the cable that will be connected
- If the cable is armoured:
  - Identify the type of armour or shielding
  - Identify the various diameters
  - Diameter on inner sheath
  - Diameter on lead sheath if there is one
  - Diameter on the outer sheath
- If the cable is unarmoured:
  - Diameter on the outer sheath
- Upstream will have been defined:
  - **Criteria of behavior** to corrosion and environmental aggressions
  - The presence or not of **electrolytic couple**
  - The degree of protection of the **envelope of assembly**
  - The requirement out of **complementary accessories**: seals, cap, etc...
  - **Mode of assembly** on the envelope: smooth drilling or tapped drilling
  - The requirement out of **accessories for electric connection**
- In the case of explosive atmospheres, refer to the table of selection according to:



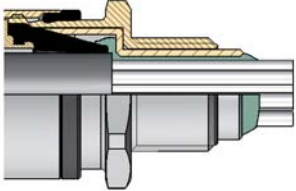
### SELECTION TABLE according to 10.4.2 of CEI 60079-14



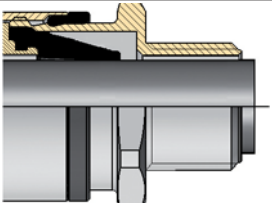


## Technology of the Cooper cable glands

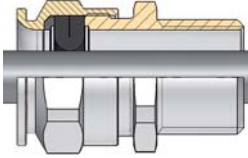
### SEALING WITH RESIN (epoxy or different)

| PRODUCTS                                                              | FEALURES                                                                                                                                                                                                                                                                                   | Schemas                                                                             |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ADE 1FC<br>ADE 1FC-C<br>ADE 1FLC<br>ADE 1FLC-C<br>ADE 6FC<br>ADE 6FLC | The sealing barrier is carried out on site by the assembler and this sealing is the flameproof seal.<br><br>The sealing is carried out on each isolated strands of the cable. In case of armoured cables, COOPER technology provide a fully inspectable mechanical crimping of the armour. |  |

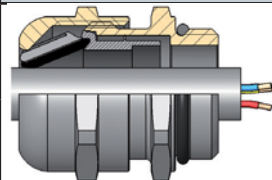
### SEALING WITH DIAPHRAGM

| PRODUCTS | FEALURES                                                                                                                                                                                                                  | Schemas                                                                             |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ADE6F    | The sealing barrier is carried out with an elastomer diaphragm.<br>Flameproof diaphragm does not damage cable exhibiting "cold flow".<br>COOPER technology provide a fully inspectable mechanical crimping of the armour. |  |

### SEALING WITH COMPRESSED RING

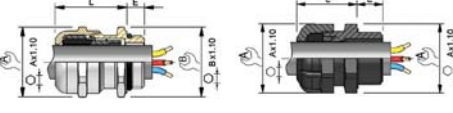
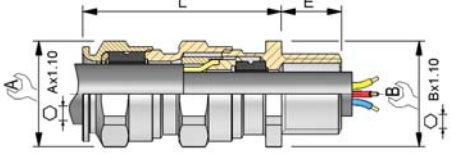
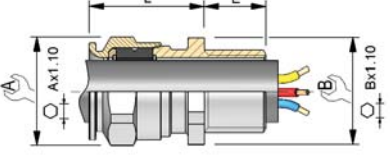
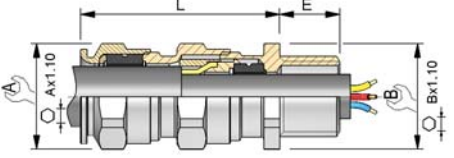
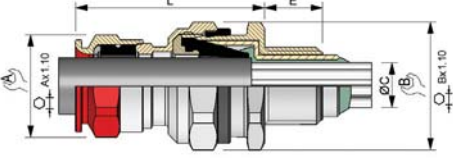
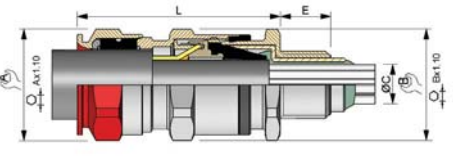
| PRODUCTS             | FEALURES                                                                                                                                           | Schemas                                                                             |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ADE 1F<br><br>ADE 4F | The sealing is carried out with an elastomer ring with studied forms, combined with a design of metal parts to obtain a broad range of tightening. |  |

### SEALING WITH RING AND CONE OF DEFORMATION

| PRODUCTS                   | FEALURES                                                                                                                                    | Schemas                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| NEWCAP MS<br><br>NEWCAP CT | The sealing is carried out with an elastomer ring, compressed by a design of metal parts: chamfer, radius for example, or a polyamide ring. |  |

## Cable gland for flameproof hazardous atmospheres

### CABLE GLAND FOR FLAMEPROOF HAZARDOUS ATMOSPHERES

| protection mode                                     | non-armoured cable                                                                   | armoured cable                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Increased safety<br/>Ex e (IEC 60079-7)</b>      |  |  |
| <b>Flameproof<br/>Ex d (IEC 60079-1)</b>            |   |  |
| <b>Flameproof with resin<br/>Ex d (IEC 60079-1)</b> |  |  |

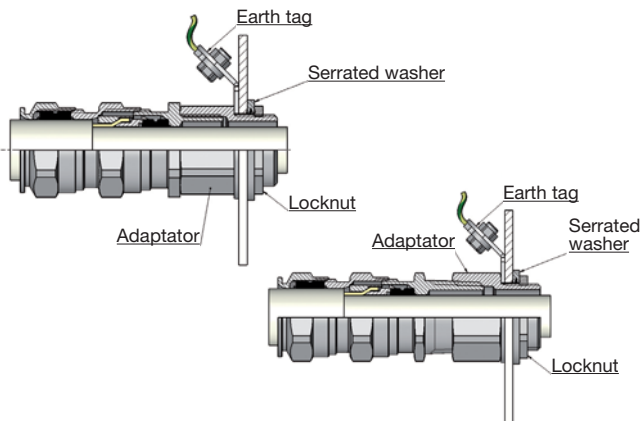
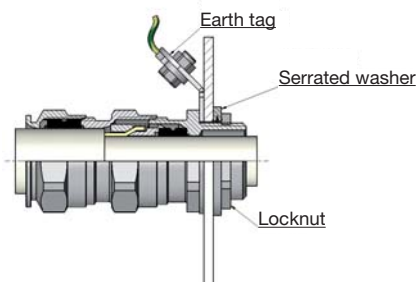
# Guide of technical application

## FIXING

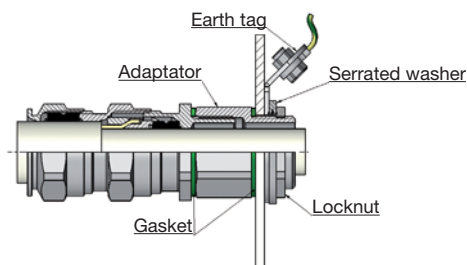
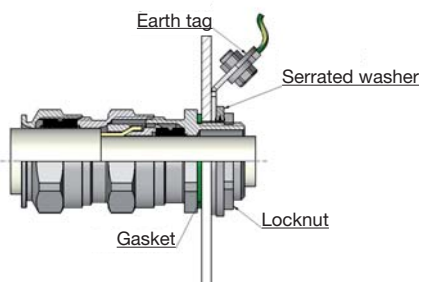
### BLANK HOLE

#### Cable gland

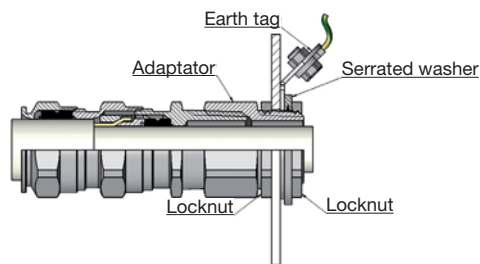
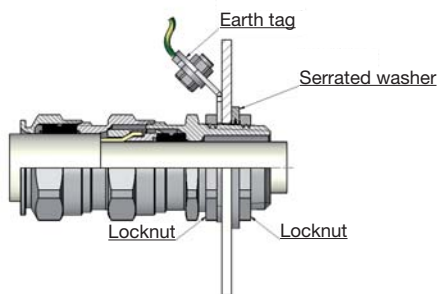
#### Cable gland equipped with an accessory



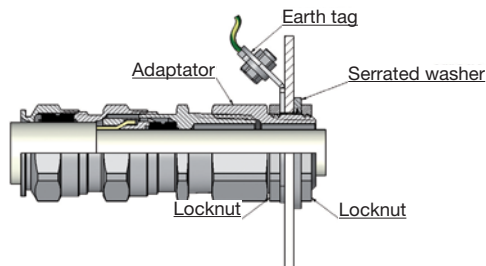
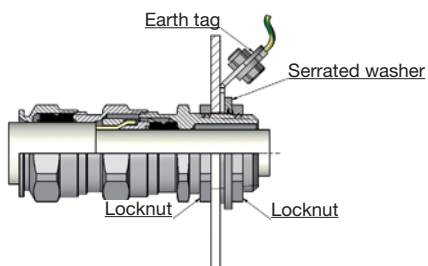
↑ IP 54 ↑



↑ With sealing washer = IP 66 / IP68 - Without sealing washer = IP 54 ↑



↑ IP 54 ↑ assembly not certified ATEX (cf : EN 60079-14 § 9.3.10)



↑ IP 54 ↑ assembly not certified ATEX (cf : EN 60079-14 § 9.3.10)

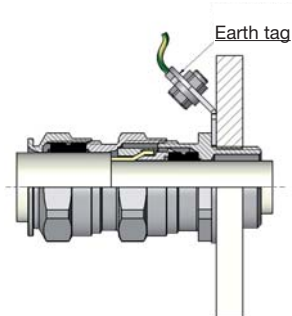
ISO

NPT

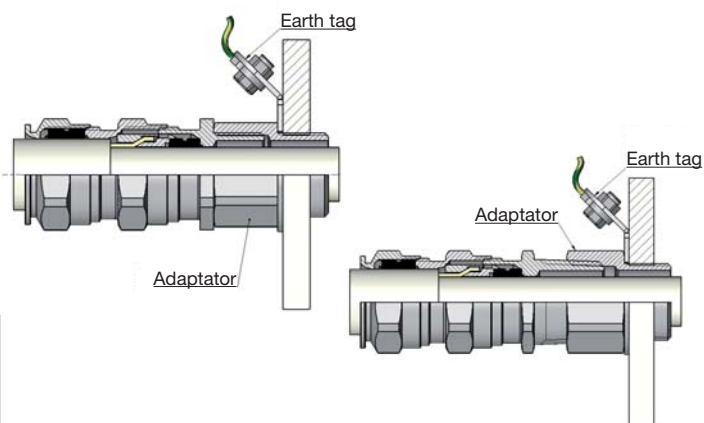
## FIXING

### TAPPED HOLE

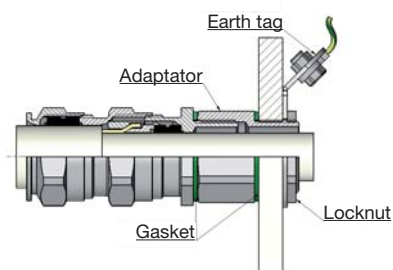
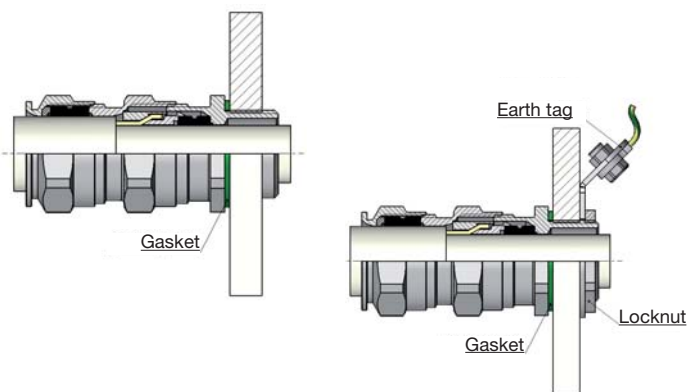
#### Cable gland



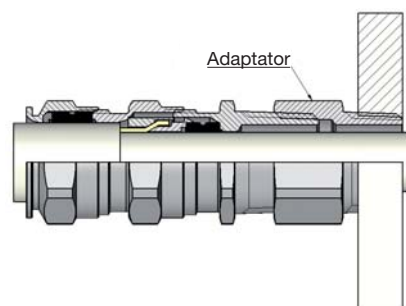
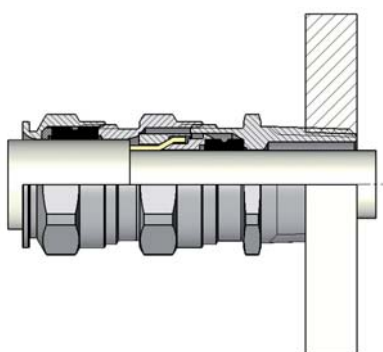
#### Cable gland equipped with an accessory



↑ IP 54 ↑



↑ With sealing washer = IP 66 / IP68 - Without sealing washers = IP 54 ↑



↑ IP 54 ↑



|             |           | FIBER GASKET | NEOPRENE GASKET | LOCKNUT   | EARTH TAG | SERRATED WASHER | SHROUD    | CLAMPING MODULE | CONTACT WASHER |
|-------------|-----------|--------------|-----------------|-----------|-----------|-----------------|-----------|-----------------|----------------|
| ADE 1F ISO  |           |              |                 |           |           |                 |           |                 |                |
| 12          | CAP816404 | CAP221245    | CAP221249       | CAP221294 | -         | -               | CAP506040 | CAP810434       | -              |
| 16          | CAP816594 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506040 | CAP810434       | -              |
| 16          | CAP816504 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506050 | CAP810534       | -              |
| 20          | CAP816674 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506040 | CAP810434       | -              |
| 20          | CAP816694 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506050 | CAP810534       | -              |
| 20          | CAP816604 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506060 | CAP810634       | -              |
| 25          | CAP816774 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506050 | CAP810534       | -              |
| 25          | CAP816794 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506060 | CAP810634       | -              |
| 25          | CAP816704 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506070 | CAP810734       | -              |
| 32          | CAP816894 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506070 | CAP810734       | -              |
| 32          | CAP816804 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506080 | CAP810834       | -              |
| 40          | CAP816994 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506080 | CAP810834       | -              |
| 40          | CAP816904 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506090 | CAP810934       | -              |
| 50          | CAP817094 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506090 | CAP810934       | -              |
| 50          | CAP817004 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506100 | CAP811034       | -              |
| 63          | CAP817294 | CAP226345    | CAP226349       | CAP226394 | CAP567184 | CAP280639       | CAP506110 | CAP811134       | -              |
| 63          | CAP817204 | CAP226345    | CAP226349       | CAP226394 | CAP567184 | CAP280639       | CAP506120 | CAP811234       | -              |
| 75          | CAP817394 | CAP227545    | CAP227549       | CAP227594 | CAP567194 | CAP280759       | CAP506120 | CAP811234       | -              |
| 75          | CAP817304 | CAP227545    | CAP227549       | CAP227594 | CAP567194 | CAP280759       | CAP506130 | CAP811334       | -              |
| 90          | CAP817594 | CAP229045    | CAP229049       | CAP229094 | CAP567214 | CAP280099       | CAP506140 | CAP811434       | -              |
| 90          | CAP817504 | CAP229045    | CAP229049       | CAP229094 | CAP567214 | CAP280099       | CAP506150 | CAP811534       | -              |
| 110         | CAP817794 | CAP221145    | CAP221149       | CAP221194 | -         | -               | CAP506160 | CAP811634       | -              |
| ADE 4F ISO  |           |              |                 |           |           |                 |           |                 |                |
| 12          | CAP846404 | CAP221245    | CAP221249       | CAP221294 | -         | -               | CAP506050 | CAP810534       | CAP560530      |
| 16          | CAP846594 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506050 | CAP810534       | CAP560530      |
| 16          | CAP846504 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506060 | CAP810634       | CAP560630      |
| 20          | CAP846674 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506050 | CAP810534       | CAP560530      |
| 20          | CAP846694 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506060 | CAP810634       | CAP560630      |
| 20          | CAP846604 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506070 | CAP810734       | CAP560730      |
| 25          | CAP846774 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506060 | CAP810634       | CAP560630      |
| 25          | CAP846794 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506070 | CAP810734       | CAP560730      |
| 25          | CAP846704 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506080 | CAP810834       | CAP560830      |
| 32          | CAP846894 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506080 | CAP810834       | CAP560830      |
| 32          | CAP846804 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506090 | CAP810934       | CAP560930      |
| 40          | CAP846994 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506090 | CAP810934       | CAP560930      |
| 40          | CAP846904 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506100 | CAP811034       | CAP561030      |
| 50          | CAP847094 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506100 | CAP811034       | CAP561030      |
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| 63          | CAP847204 | CAP226345    | CAP226349       | CAP226394 | CAP567184 | CAP280639       | CAP506130 | CAP811334       | CAP561330      |
| 75          | CAP847394 | CAP227545    | CAP227549       | CAP227594 | CAP567194 | CAP280759       | CAP506130 | CAP811334       | CAP561330      |
| 75          | CAP847304 | CAP227545    | CAP227549       | CAP227594 | CAP567194 | CAP280759       | CAP506140 | CAP811434       | CAP561430      |
| 90          | CAP847594 | CAP229045    | CAP229049       | CAP229094 | CAP567214 | CAP280099       | CAP506150 | CAP811534       | CAP561530      |
| 90          | CAP847504 | CAP229045    | CAP229049       | CAP229094 | CAP567214 | CAP280099       | CAP506160 | CAP811634       | CAP561630      |
| 90          | CAP847574 | CAP229045    | CAP229049       | CAP229094 | CAP567214 | CAP280099       | CAP506170 | -               | CAP561630      |
| 110         | CAP847794 | CAP221145    | CAP221149       | CAP221194 | -         | -               | CAP506170 | -               | -              |
| ADE 6F ISO  |           |              |                 |           |           |                 |           |                 |                |
| 16          | CAP965594 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506050 | CAP810534       | -              |
| 20          | CAP965674 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506050 | CAP810534       | -              |
| 20          | CAP965694 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506060 | CAP810634       | -              |
| 20          | CAP965604 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506070 | CAP810734       | -              |
| 25          | CAP965794 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506070 | CAP810734       | -              |
| 25          | CAP965704 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506080 | CAP810834       | -              |
| 32          | CAP965894 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506080 | CAP810834       | -              |
| 32          | CAP965804 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506090 | CAP810934       | -              |
| 40          | CAP965994 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506090 | CAP810934       | -              |
| 40          | CAP965904 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506100 | CAP811034       | -              |
| 50          | CAP966094 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506100 | CAP811034       | -              |
| 50          | CAP966004 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506110 | CAP811134       | -              |
| ADE 6FC ISO |           |              |                 |           |           |                 |           |                 |                |
| 16          | CAP969594 | CAP221645    | CAP221649       | CAP221694 | CAP567034 | CAP280069       | CAP506050 | CAP810534       | -              |
| 20          | CAP969674 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506050 | CAP810534       | -              |
| 20          | CAP969694 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506060 | CAP810634       | -              |
| 20          | CAP969604 | CAP222045    | CAP222049       | CAP222094 | CAP567054 | CAP280029       | CAP506070 | CAP810734       | -              |
| 25          | CAP969794 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506070 | CAP810734       | -              |
| 25          | CAP969704 | CAP222545    | CAP222549       | CAP222594 | CAP567074 | CAP280259       | CAP506080 | CAP810834       | -              |
| 32          | CAP969894 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506080 | CAP810834       | -              |
| 32          | CAP969804 | CAP223245    | CAP223249       | CAP223294 | CAP567094 | CAP280329       | CAP506090 | CAP810934       | -              |
| 40          | CAP969994 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506090 | CAP810934       | -              |
| 40          | CAP969904 | CAP224045    | CAP224049       | CAP224094 | CAP567124 | CAP280409       | CAP506100 | CAP811034       | -              |
| 50          | CAP970094 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506100 | CAP811034       | -              |
| 50          | CAP970004 | CAP225045    | CAP225049       | CAP225094 | CAP567154 | CAP280509       | CAP506110 | CAP811134       | -              |

Metal parts: STAINLESS, change the last number by 9



|             |           | FIBER GASKET | NEOPRENE GASKET | LOCKNUT   | EARTH TAG | SERRATED WASHER | SHROUD    | CLAMPING MODULE | CONTACT WASHER |
|-------------|-----------|--------------|-----------------|-----------|-----------|-----------------|-----------|-----------------|----------------|
| ADE 1F NPT  |           |              |                 |           |           |                 |           |                 |                |
| 1/4"        | CAP818404 | CAP239014    | CAP229014       | -         | -         | -               | CAP506040 | CAP810434       | -              |
| 3/8"        | CAP818594 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506040 | CAP810434       | -              |
| 3/8"        | CAP818504 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP818674 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506040 | CAP810434       | -              |
| 1/2"        | CAP818694 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP818604 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506060 | CAP810634       | -              |
| 3/4"        | CAP818774 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506050 | CAP810534       | -              |
| 3/4"        | CAP818794 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506060 | CAP810634       | -              |
| 3/4"        | CAP818704 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506070 | CAP810734       | -              |
| 1"          | CAP818894 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506070 | CAP810734       | -              |
| 1"          | CAP818804 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506080 | CAP810834       | -              |
| 1-1/4"      | CAP818994 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506080 | CAP810834       | -              |
| 1-1/4"      | CAP818904 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506090 | CAP810934       | -              |
| 1-1/2"      | CAP819094 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506090 | CAP810934       | -              |
| 1-1/2"      | CAP819004 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506100 | CAP811034       | -              |
| 2"          | CAP819294 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506110 | CAP811134       | -              |
| 2"          | CAP819204 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506120 | CAP811234       | -              |
| 2-1/2"      | CAP819494 | CAP239212    | CAP229212       | CAP280184 | CAP567194 | CAP290184       | CAP506120 | CAP811234       | -              |
| 2-1/2"      | CAP819404 | CAP239212    | CAP229212       | CAP280184 | CAP567194 | CAP290184       | CAP506130 | CAP811334       | -              |
| 3"          | CAP819594 | CAP239300    | CAP229300       | CAP280194 | CAP567204 | CAP290194       | CAP506140 | CAP811434       | -              |
| 3"          | CAP819504 | CAP239300    | CAP229300       | CAP280194 | CAP567204 | CAP290194       | CAP506150 | CAP811534       | -              |
| 3-1/2"      | CAP819604 | CAP239312    | CAP229312       | -         | CAP567214 | -               | CAP506160 | CAP811634       | -              |
| ADE 4F NPT  |           |              |                 |           |           |                 |           |                 |                |
| 1/4"        | CAP848404 | CAP239014    | CAP229014       | -         | -         | -               | CAP506050 | CAP810534       | CAP560530      |
| 3/8"        | CAP848594 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506050 | CAP810534       | CAP560530      |
| 3/8"        | CAP848504 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506060 | CAP810634       | CAP560630      |
| 1/2"        | CAP848674 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506050 | CAP810534       | CAP560530      |
| 1/2"        | CAP848694 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506060 | CAP810634       | CAP560630      |
| 1/2"        | CAP848604 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506070 | CAP810734       | CAP560730      |
| 3/4"        | CAP848774 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506060 | CAP810634       | CAP560630      |
| 3/4"        | CAP848794 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506070 | CAP810734       | CAP560730      |
| 3/4"        | CAP848704 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506080 | CAP810834       | CAP560830      |
| 1"          | CAP848894 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506080 | CAP810834       | CAP560830      |
| 1"          | CAP848804 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506090 | CAP810934       | CAP560930      |
| 1-1/4"      | CAP848994 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506090 | CAP810934       | CAP560930      |
| 1-1/4"      | CAP848904 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506100 | CAP811034       | CAP561030      |
| 1-1/2"      | CAP849094 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506100 | CAP811034       | CAP561030      |
| 1-1/2"      | CAP849004 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506110 | CAP811134       | CAP561130      |
| 2"          | CAP849294 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506120 | CAP811234       | CAP561230      |
| 2"          | CAP849204 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506130 | CAP811334       | CAP561330      |
| 2-1/2"      | CAP849494 | CAP239212    | CAP229212       | CAP280184 | CAP567194 | CAP290184       | CAP506130 | CAP811334       | CAP561330      |
| 2-1/2"      | CAP849404 | CAP239212    | CAP229212       | CAP280184 | CAP567194 | CAP290184       | CAP506140 | CAP811434       | CAP561430      |
| 3"          | CAP849594 | CAP239300    | CAP229300       | CAP280194 | CAP567204 | CAP290194       | CAP506150 | CAP811534       | CAP561530      |
| 3"          | CAP849504 | CAP239300    | CAP229300       | CAP280194 | CAP567204 | CAP290194       | CAP506160 | CAP811634       | CAP561630      |
| 3-1/2"      | CAP849604 | CAP239312    | CAP229312       | -         | CAP567214 | -               | CAP506170 | -               | CAP561630      |
| 4"          | CAP849704 | -            | -               | -         | -         | -               | CAP506170 | -               | -              |
| ADE 6F NPT  |           |              |                 |           |           |                 |           |                 |                |
| 3/8"        | CAP967594 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP967674 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP967694 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506060 | CAP810634       | -              |
| 1/2"        | CAP967604 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506070 | CAP810734       | -              |
| 3/4"        | CAP967794 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506070 | CAP810734       | -              |
| 3/4"        | CAP967704 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506080 | CAP810834       | -              |
| 1"          | CAP967894 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506080 | CAP810834       | -              |
| 1"          | CAP967804 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506090 | CAP810934       | -              |
| 1-1/4"      | CAP967994 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506090 | CAP810934       | -              |
| 1-1/4"      | CAP967904 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506100 | CAP811034       | -              |
| 1-1/2"      | CAP968094 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506100 | CAP811034       | -              |
| 2"          | CAP968294 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506110 | CAP811134       | -              |
| ADE 6FC NPT |           |              |                 |           |           |                 |           |                 |                |
| 3/8"        | CAP974594 | CAP239038    | CAP229038       | CAP280114 | CAP567044 | CAP290114       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP971674 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506050 | CAP810534       | -              |
| 1/2"        | CAP971694 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506060 | CAP810634       | -              |
| 1/2"        | CAP971604 | CAP239012    | CAP229012       | CAP280124 | CAP567064 | CAP290124       | CAP506070 | CAP810734       | -              |
| 3/4"        | CAP971794 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506070 | CAP810734       | -              |
| 3/4"        | CAP971704 | CAP239034    | CAP229034       | CAP280134 | CAP567084 | CAP290134       | CAP506080 | CAP810834       | -              |
| 1"          | CAP971894 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506080 | CAP810834       | -              |
| 1"          | CAP971804 | CAP239010    | CAP229010       | CAP280144 | CAP567104 | CAP290144       | CAP506090 | CAP810934       | -              |
| 1-1/4"      | CAP971994 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506090 | CAP810934       | -              |
| 1-1/4"      | CAP971904 | CAP239114    | CAP229114       | CAP280154 | CAP567134 | CAP290154       | CAP506100 | CAP811034       | -              |
| 1-1/2"      | CAP972094 | CAP239112    | CAP229112       | CAP280164 | CAP567154 | CAP290164       | CAP506100 | CAP811034       | -              |
| 2"          | CAP972004 | CAP239020    | CAP229020       | CAP280174 | CAP567174 | CAP290174       | CAP506110 | CAP811134       | -              |

Metal parts: STAINLESS, change the last number by 9

# Selection table for cable glands

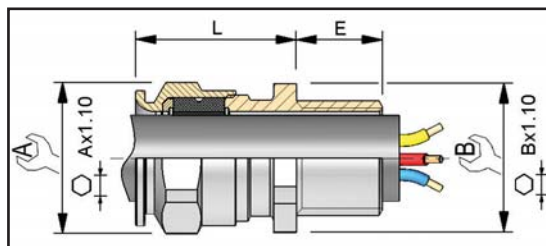
| CABLE GLAND                         | catalogue<br>PAGES | ILLUSTRATION | CABLE TYPE                                                                                         |
|-------------------------------------|--------------------|--------------|----------------------------------------------------------------------------------------------------|
| ADE 1 F                             | Page 162           |              | Non-armoured and armoured<br>(does not terminate the armour)                                       |
| ADE 1 F<br>WITH INTEGRATED CLAMPING | Page 163           |              | Non-armoured and armoured<br>(does not terminate the armour)                                       |
| ADE 4 F                             | Page 164           |              | SWA, SWB, STA, braided marine<br>shipboard and lead sheathed<br>(with addition of earthing washer) |
| ADE 6F                              | Page 165           |              | SWA, SWB, STA, braided marine<br>shipboard                                                         |
| ADE 1FC                             | Page 166           |              | Non-armoured                                                                                       |
| ADE 6FC                             | Page 168           |              | SWA, SWB, STA, braided marine<br>shipboard                                                         |
| ADE 1FCC                            | Page 167           |              | Non-armoured                                                                                       |
| ADE 1FLC                            | Page 170           |              | Non-armoured                                                                                       |
| ADE 6FLC                            | Page 171           |              | SWA, SWB, STA,<br>braided marine shipboard                                                         |
| NEWCAP MS                           | Page 174           |              | Not armed or armoured<br>by braid                                                                  |
| NEWCAP CT                           | Page 175           |              | Not armed or armoured<br>by braid                                                                  |
| ADE 4I                              | Page 178           |              | SWA, SWB, STA,<br>braided marine shipboard                                                         |

| CABLE GLAND TYPE | STANDARD material   | CERTIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PROTECTION TYPE                 |
|------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| elastomer ring   | nickel-plated brass |     <br>    | Flameproof and increased safety |
| elastomer ring   | nickel-plated brass |     <br>    | Flameproof and increased safety |
| elastomer ring   | nickel-plated brass |     <br>    | Flameproof and increased safety |
| elastomer cone   | nickel-plated brass |     <br>    | Flameproof and increased safety |
| Barrier type     | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flameproof and increased safety |
| Barrier type     | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flameproof and increased safety |
| Barrier type     | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flameproof and increased safety |
| Barrier type     | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flameproof and increased safety |
| Barrier type     | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flameproof and increased safety |
| elastomer ring   | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                          | Increased safety                |
| elastomer ring   | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                      | Increased safety                |
| elastomer ring   | nickel-plated brass |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Industrial                      |

# SELECTION TABLE

| ACCESSORIES                 | catalogue<br>PAGES | STANDARD<br>MATERIAL                                 | ILLUSTRATION                                                                         | CERTIFICATION                                                                                                                                                                  |
|-----------------------------|--------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Locknut</b>              | <b>Page 180</b>    | nickel-plated<br>brass<br>or stainless<br>steel 316L |    | CE       |
| <b>Serrated washer</b>      | <b>Page 186</b>    | stainless steel<br>316L                              |    | CE                                                                                                                                                                             |
| <b>Earth tag</b>            | <b>Page 182</b>    | nickel-plated<br>brass                               |   | CE   |
| <b>Shroud</b>               | <b>Page 181</b>    | PVC                                                  |  | CE                                                                                                                                                                             |
| <b>Reducer<br/>Adaptors</b> | <b>Page 183</b>    | nickel-plated<br>brass or<br>stainless steel<br>316L |  | CE   |
| <b>Gasket</b>               | <b>Page 186</b>    | neoprene<br>or fiber                                 |  | CE                                                                                                                                                                             |





### Cable gland type

For unarmoured cable

### Cable type

Non-armoured cable or armoured cable  
(does not terminate the armour)

### Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- cULus Listed for Class I Zone 2 AEx e II/Ex e II
- cULus Marine Listed for Class I Zone 1 AEx e II /Ex e II
- NEMA 4X and IP68
- CEPEL-EX-558/05X
- GOST-R POCC FR.B02011
- NEPSI N° GYJ071336U & GYJ071337U
- ABS approbation:  
N° 10-HS 577243-PDA / P 1836754-X

### Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Provides a weatherproof seal on the outer sheath of the cable.
- Standard neoprene seal suitable for use in operating temperatures ATEX -60°C to +100°C.
- Available with optional silicone seal for extreme temperatures.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

#### ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP81640 4 |         |
| Gland Type | Options |

#### OPTIONS (replace last digit with option number):

|   |                                                                       |
|---|-----------------------------------------------------------------------|
| 9 | Stainless steel (316L)                                                |
| 8 | Bronze                                                                |
| 7 | Aluminum                                                              |
| 5 | Silicone bague sealing ring with temperature range of -70°C to +220°C |

| GLAND SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH E ISO/ (NPT) | OUTER SHEATH |      | L  | HEXAGON |     |
|------------|-------------------|-----------|--------|-----------|---------------------|--------------|------|----|---------|-----|
|            | ISO               | Reference | NPT    | Reference |                     | Min          | Max  |    | A       | B   |
| 4          | 12*               | CAP816404 | 1/4"   | CAP818404 | 15 (12.0)           | 4.0          | 8.0  | 20 | 15      | 15  |
| 4          | 16*               | CAP816594 | 3/8"   | CAP818594 | 15 (12.0)           | 4.0          | 8.5  | 20 | 15      | 19  |
| 5          | 16*               | CAP816504 | 3/8"   | CAP818504 | 15 (12.0)           | 6.0          | 12.0 | 22 | 19      | 19  |
| 4          | 20                | CAP816674 | 1/2"   | CAP818674 | 15 (20.2)           | 4.0          | 8.5  | 20 | 15      | 24  |
| 5          | 20                | CAP816694 | 1/2"   | CAP818694 | 15 (20.2)           | 6.0          | 12.0 | 22 | 19      | 24  |
| 6          | 20                | CAP816604 | 1/2"   | CAP818604 | 15 (20.2)           | 8.5          | 16.0 | 25 | 24      | 24  |
| 5          | 25                | CAP816774 | 3/4"   | CAP818774 | 15 (20.2)           | 6.0          | 12.0 | 22 | 19      | 30  |
| 6          | 25                | CAP816794 | 3/4"   | CAP818794 | 15 (20.2)           | 8.5          | 16.0 | 25 | 24      | 30  |
| 7          | 25                | CAP816704 | 3/4"   | CAP818704 | 15 (20.2)           | 12.0         | 21.0 | 27 | 30      | 30  |
| 7          | 32                | CAP816894 | 1"     | CAP818894 | 15 (25.3)           | 12.0         | 21.0 | 27 | 30      | 41  |
| 8          | 32                | CAP816804 | 1"     | CAP818804 | 15 (25.3)           | 16.0         | 27.5 | 34 | 41      | 41  |
| 8          | 40                | CAP816994 | 1-1/4" | CAP818994 | 15 (26.0)           | 16.0         | 27.5 | 34 | 41      | 48  |
| 9          | 40                | CAP816904 | 1-1/4" | CAP818904 | 15 (26.0)           | 21.0         | 34.0 | 36 | 48      | 48  |
| 9          | 50                | CAP817094 | 1-1/2" | CAP819094 | 15 (26.5)           | 21.0         | 34.0 | 36 | 48      | 55  |
| 10         | 50                | CAP817004 | 1-1/2" | CAP819004 | 15 (26.5)           | 27.0         | 41.0 | 39 | 55      | 55  |
| 11         | 63                | CAP817294 | 2"     | CAP819294 | 17 (27.2)           | 33.0         | 48.0 | 41 | 64      | 64  |
| 12         | 63                | CAP817204 | 2"     | CAP819204 | 17 (27.2)           | 40.0         | 56.0 | 43 | 72      | 72  |
| 12         | 75                | CAP817394 | 2-1/2" | CAP819494 | 18 (40.5)           | 40.0         | 56.0 | 43 | 72      | 85  |
| 13         | 75                | CAP817304 | 2-1/2" | CAP819404 | 18 (40.5)           | 47.0         | 65.0 | 49 | 85      | 85  |
| 14         | 90                | CAP817594 | 3"     | CAP819594 | 22 (42.0)           | 54.0         | 74.0 | 56 | 95      | 95  |
| 15         | 90                | CAP817504 | 3"     | CAP819504 | 22 (42.0)           | 63.0         | 78.0 | 61 | 110     | 110 |
| 16         | 110               | CAP817794 | 3-1/2" | CAP819604 | 22 (43.2)           | 72.0         | 92.0 | 62 | 120     | 120 |

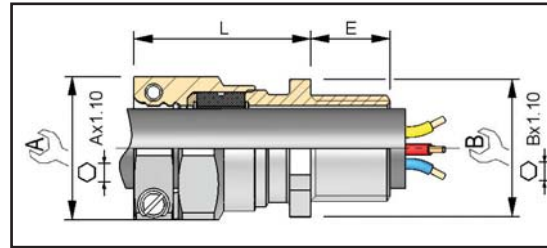
\* Uncertified UL // sizes n°4 et 5, no UL marine

# ADE 1F

with integrated clamping



**COOPER** Safety



## Cable gland type

For unarmoured cable

## Cable type

Non-armoured cable or armoured cable  
(does not terminate the armour)

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- cULus Listed for Class I Zone 2 AEx e II/Ex e II
- cULus Marine Listed for Class I Zone 1 AEx e II /Ex e II
- NEMA 4X and IP68
- CEPEL-EX-558/05X
- GOST-R POC FR.B02011
- NEPSI N° GYJ071336U & GYJ071337U
- ABS approbation:  
N° 10-HS 577243-PDA / P 1836754-X

## Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Provides a weatherproof seal on the outer sheath of the cable.
- Provides the clamping on the external sheath of the cable.
- Standard neoprene seal suitable for use in operating temperatures ATEX -60°C to +100°C.
- Available with optional silicone seal for extreme temperatures.
- Available with metric or NPT threads.
- See pages 180 to 186 for related accessories.

## ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP02659 4 |         |
| Gland Type | Options |

## OPTIONS (replace last digit with option number):

- |   |                                                                       |
|---|-----------------------------------------------------------------------|
| 9 | Stainless steel (316L)                                                |
| 8 | Bronze                                                                |
| 7 | Aluminum                                                              |
| 5 | Silicone bague sealing ring with temperature range of -70°C to +220°C |

| GLAND SIZE | ENTRY THREAD SIZE |           |      |           | LENGTH E ISO/ (NPT) | EXTERNAL SHEATH |      | L  | HEXAGON |    |
|------------|-------------------|-----------|------|-----------|---------------------|-----------------|------|----|---------|----|
|            | ISO               | Reference | NPT  | Reference |                     | Min             | Max  |    | A       | B  |
| 4          | 16*               | CAP026594 |      |           | 15                  | 4.0             | 8.5  | 20 | 20      | 19 |
| 5          | 16*               | CAP026504 |      |           | 15                  | 6.0             | 12.0 | 22 | 24      | 19 |
| 4          | 20                | CAP026674 | 1/2" | CAP028674 | 15 (20.2)           | 4.0             | 8.5  | 20 | 20      | 24 |
| 5          | 20                | CAP026694 | 1/2" | CAP028694 | 15 (20.2)           | 6.0             | 12.0 | 22 | 24      | 24 |
| 6          | 20                | CAP026604 | 1/2" | CAP028604 | 15 (20.2)           | 8.5             | 16.0 | 25 | 27      | 24 |
| 5          | 25                | CAP026774 | 3/4" | CAP028774 | 15 (20.2)           | 6.0             | 12.0 | 22 | 24      | 30 |
| 6          | 25                | CAP026794 | 3/4" | CAP028794 | 15 (20.2)           | 8.5             | 16.0 | 25 | 27      | 30 |
| 7          | 25                | CAP026704 | 3/4" | CAP028704 | 15 (20.2)           | 12.0            | 21.0 | 27 | 32      | 30 |
| 7          | 32                | CAP026894 |      |           | 15 (25.3)           | 12.0            | 21.0 | 27 | 32      | 36 |
| 8          | 32                | CAP026804 |      |           | 15 (25.3)           | 16.0            | 27.5 | 34 | 41      | 41 |
| 8          | 40                | CAP026994 |      |           | 15 (26.0)           | 16.0            | 27.5 | 34 | 41      | 44 |
| 9          | 40                | CAP026904 |      |           | 15 (26.0)           | 21.0            | 34.0 | 36 | 48      | 48 |

\* Uncertified UL // sizes n°4 et 5, no UL marine

## Cable gland type

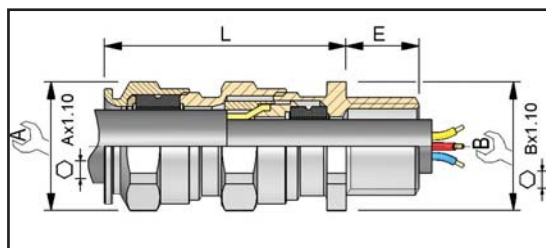
For armoured cable

## Cable type

Steel wire armoured cable, steel wire braided, steel tape armoured, braided marine shipboard and lead sheathed (with addition of earthing washer)

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD/Ex II 2 GD
- IECEx LCI 05.0004X
- cULus listed for Class I Zone 2 AEx e II/Ex e II
- cULus Marine listed for Class I Zone 1 AEx e II/ Ex e II
- NEMA 4X and IP68
- CEPEL cepel-EX-559/05X
- GOST-R POC FR.B02011
- NEPSI N° GYJ071336U & GYJ071337U
- ABS approbation:  
N° 10-HS 577243-PDA / P 1836754-X



## Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Armour clamping and bonding with no reversible components for easy installation, minimizing error.
- Provides flameproof seal on inner sheath of cable.
- Provides a weatherproof seal on the outer sheath of the cable.
- Standard neoprene seal suitable for use in operating temperatures ATEX -60°C to +100°C.
- Available with optional silicone seal for extreme temperatures.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

## ORDERING EXAMPLE:

CAP84640 4

Gland Type

Options

## OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum
- 5 Silicone bague sealing ring with temperature range of -70°C to +220°C

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO / (NPT) | CABLE        |      |              |       | THICKNESS<br>OF ARMOUR<br>MAX | L   | HEXAGON |     |
|---------------|-------------------|-----------|--------|-----------|----------------------------|--------------|------|--------------|-------|-------------------------------|-----|---------|-----|
|               | ISO               | Reference | NPT    | Reference |                            | INNER SHEATH |      | OUTER SHEATH |       |                               |     | A       | B   |
|               |                   |           |        |           |                            | Min          | Max  | Min          | Max   |                               |     |         |     |
| 5             | 12"               | CAP846404 | 1/4"   | CAP848404 | 15 (12.0)                  | 4.0          | 8.0  | 6.0          | 12.0  | 0.9                           | 36  | 19      | 19  |
| 5             | 16"               | CAP846594 | 3/8"   | CAP848594 | 15 (12.0)                  | 4.0          | 8.5  | 6.0          | 12.0  | 0.9                           | 36  | 19      | 19  |
| 6             | 16"               | CAP846504 | 3/8"   | CAP848504 | 15 (12.0)                  | 6.0          | 12.0 | 8.5          | 16.0  | 1.25                          | 42  | 24      | 24  |
| 5             | 20                | CAP846674 | 1/2"   | CAP848674 | 15 (20.2)                  | 4.0          | 8.5  | 6.0          | 12.0  | 0.9                           | 36  | 19      | 24  |
| 6             | 20                | CAP846694 | 1/2"   | CAP848694 | 15 (20.2)                  | 6.0          | 12.0 | 8.5          | 16.0  | 1.25                          | 42  | 24      | 24  |
| 7             | 20                | CAP846604 | 1/2"   | CAP848604 | 15 (20.2)                  | 8.5          | 16.0 | 12.0         | 21.0  | 1.25                          | 46  | 30      | 30  |
| 6             | 25                | CAP846774 | 3/4"   | CAP848774 | 15 (20.2)                  | 6.0          | 12.0 | 8.5          | 16.0  | 1.25                          | 42  | 19      | 30  |
| 7             | 25                | CAP846794 | 3/4"   | CAP848794 | 15 (20.2)                  | 8.5          | 16.0 | 12.0         | 21.0  | 1.25                          | 46  | 24      | 30  |
| 8             | 25                | CAP846704 | 3/4"   | CAP848704 | 15 (20.2)                  | 12.0         | 20.5 | 16.0         | 27.5  | 1.6                           | 56  | 30      | 41  |
| 8             | 32                | CAP846894 | 1"     | CAP848894 | 15 (25.3)                  | 12.0         | 21.0 | 16.0         | 27.5  | 1.6                           | 56  | 41      | 41  |
| 9             | 32                | CAP846804 | 1"     | CAP848804 | 15 (25.3)                  | 16.0         | 27.5 | 21.0         | 34.0  | 1.6                           | 63  | 41      | 48  |
| 9             | 40                | CAP846994 | 1-1/4" | CAP848994 | 15 (26.0)                  | 16.0         | 27.5 | 21.0         | 34.0  | 1.6                           | 63  | 48      | 48  |
| 10            | 40                | CAP846904 | 1-1/4" | CAP848904 | 15 (26.0)                  | 21.0         | 34.0 | 27.0         | 41.0  | 2                             | 68  | 48      | 55  |
| 10            | 50                | CAP847094 | 1-1/2" | CAP849094 | 16 (26.5)                  | 21.0         | 34.0 | 27.0         | 41.0  | 2                             | 68  | 55      | 55  |
| 11            | 50                | CAP847004 | 1-1/2" | CAP849004 | 16 (26.5)                  | 27.0         | 41.0 | 33.0         | 48.0  | 2.5                           | 74  | 55      | 64  |
| 12            | 63                | CAP847294 | 2"     | CAP849294 | 17 (27.2)                  | 27.0         | 41.0 | 33.0         | 48.0  | 2.5                           | 77  | 64      | 72  |
| 13            | 63                | CAP847204 | 2"     | CAP849204 | 17 (27.2)                  | 33.0         | 48.0 | 40.0         | 56.0  | 2.5                           | 85  | 72      | 85  |
| 13            | 75                | CAP847394 | 2-1/2" | CAP849494 | 18 (40.5)                  | 40.0         | 56.0 | 47.0         | 65.0  | 2.5                           | 85  | 85      | 85  |
| 14            | 75                | CAP847304 | 2-1/2" | CAP849404 | 18 (40.5)                  | 47.0         | 65.0 | 54.0         | 74.0  | 2.5                           | 92  | 85      | 95  |
| 15            | 90                | CAP847594 | 3"     | CAP849594 | 22 (42.0)                  | 54.0         | 74.0 | 63.0         | 83.0  | 3.15                          | 104 | 95      | 110 |
| 16            | 90                | CAP847504 | 3"     | CAP849504 | 22 (42.0)                  | 63.0         | 82.0 | 72.0         | 93.0  | 3.15                          | 108 | 110     | 120 |
| 16            | 90                | CAP847574 | 3-1/2" | CAP849604 | N/A (43.2)                 | 63.0         | 82.0 | 72.0*        | 93.0* | 3.15                          | 108 | 120     | 120 |
| 17            | 110               | CAP847794 | 4"     | CAP849704 | 22 (44.5)                  | 72.0         | 92.0 | 85.0         | 107.0 | 3.15                          | 115 | 135     | 135 |

\* Uncertified UL // sizes n°4 et 5, no UL marine



## Cable gland type

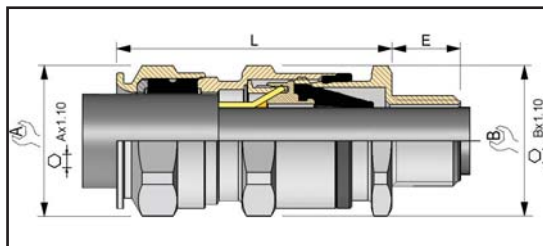
For armoured cable

## Cable type

Steel wire armoured cable, steel wire braided, steel tape armoured, braided marine shipboard

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD/Ex II 2 GD
- IECEx LCI 05.0004X
- cULus listed for Class I Zone 2 AEx e II/Ex e II
- cULus Marine listed for Class I Zone 1 AEx e II Ex e II
- NEMA 4X et IP68
- CEPEL (pending)
- GOST-R : POCC FR Bo2011
- NEPSI (pending)
- ABS approbation : N° 10-HS 577243-PDA / P 1836754-X



## Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Armour clamping and bonding with no reversible components for easy installation, minimizing error.
- Fully inspectable armour clamping and crimping including deluge boot.
- Provides flameproof seal on inner sheath of cable.
- Diaphragm seal for cold flow cables.
- Provides a weatherproof seal on the outer sheath of the cable.
- Deluge boot provides enhanced protection from water ingress.
- Standard neoprene seal suitable for use in operating temperatures ATEX -60°C to +100°C.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

## ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP96559 4 |         |
| Gland Type | Options |

## OPTIONS (replace last digit with option number):

|   |                        |
|---|------------------------|
| 9 | Stainless steel (316L) |
| 8 | Bronze                 |
| 7 | Aluminum               |

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO / (NPT) | CABLE           |      |                 |      | THICKNESS<br>OF ARMOUR<br>MAX | L    | HEXAGON |    |
|---------------|-------------------|-----------|--------|-----------|----------------------------|-----------------|------|-----------------|------|-------------------------------|------|---------|----|
|               | ISO               | Reference | NPT    | Reference |                            | INNER<br>SHEATH |      | OUTER<br>SHEATH |      |                               |      | A       | B  |
|               |                   |           |        |           |                            | Min             | Max  | Min             | Max  |                               |      |         |    |
| 5             | 16*               | CAP965594 | 3/8"   | CAP967594 | 15 (12.0)                  | 3.0             | 7.5  | 6.0             | 12.0 | 0.9                           | 46   | 19      | 19 |
| 5             | 20                | CAP965674 | 1/2"   | CAP967674 | 15 (20.2)                  | 3.0             | 7.5  | 6.0             | 12.0 | 0.9                           | 46   | 19      | 24 |
| 6             | 20                | CAP965694 | 1/2"   | CAP967694 | 15 (20.2)                  | 6.5             | 11.0 | 8.5             | 16.0 | 1.25                          | 53   | 24      | 24 |
| 7             | 20                | CAP965604 | 1/2"   | CAP967604 | 15 (20.2)                  | 9.0             | 14.5 | 12.0            | 21.0 | 1.25                          | 59   | 30      | 30 |
| 7             | 25                | CAP965794 | 3/4"   | CAP967794 | 15 (20.2)                  | 9.0             | 14.5 | 12.0            | 21.0 | 1.25                          | 59   | 30      | 30 |
| 8             | 25                | CAP965704 | 3/4"   | CAP967704 | 15 (20.2)                  | 12.0            | 19.5 | 16.0            | 27.5 | 1.6                           | 74.5 | 41      | 41 |
| 8             | 32                | CAP965894 | 1"     | CAP967894 | 15 (25.3)                  | 12.0            | 19.5 | 16.0            | 27.5 | 1.6                           | 74.5 | 41      | 41 |
| 9             | 32                | CAP965804 | 1"     | CAP967804 | 15 (25.3)                  | 17.5            | 26.0 | 21.0            | 34.0 | 1.6                           | 83.5 | 48      | 48 |
| 9             | 40                | CAP965994 | 1-1/4" | CAP967994 | 15 (26.0)                  | 17.5            | 26.0 | 21.0            | 34.0 | 1.6                           | 83.5 | 48      | 48 |
| 10            | 40                | CAP965904 | 1-1/4" | CAP967904 | 15 (26.0)                  | 23.0            | 33.0 | 27.0            | 41.0 | 2                             | 92   | 55      | 55 |
| 10            | 50                | CAP966094 | 1-1/2" | CAP968094 | 16 (26.5)                  | 23.0            | 33.0 | 27.0            | 41.0 | 2                             | 92   | 55      | 55 |
| 11            | 50                | CAP966004 | 2"     | CAP968294 | 16 (27.2)                  | 28.5            | 41.0 | 33.0            | 48.0 | 2.5                           | 104  | 64      | 64 |

\* Uncertified UL // sizes n°4 et 5, no UL marine

For larger sizes, refer to the ADE 4F. See page 164



## Cable gland type

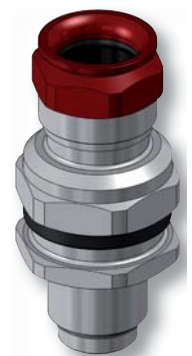
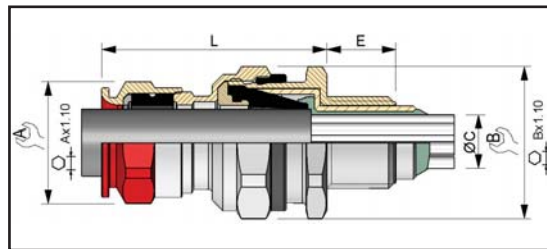
For unarmoured cable • Barrier gland

## Cable type

Non-armoured cable

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- NEMA 4X and IP68
- ABS approbation : N° 10-HS 577243-PDA / P 1836754-X



## Features:

- Standard material is nickel-plated brass for superior corrosion resistance
- Provides flameproof seal on the strands and the outer sheath of the unarmoured cables.
- Signalitique: red cap nut.
- Neoprene seal and resin certify in the range of temperature ATEX -60°C to +80°C.
- See page 172 for additional clamping.
- Available with metric or NPT threads.
- See pages 180 to 186 for related accessories.

## ORDERING EXAMPLE:

CAP01959 4

Gland Type

Options

## OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO / (NPT) | CABLE        |      |           |            |      | L  | HEXAGON |    |
|---------------|-------------------|-----------|--------|-----------|----------------------------|--------------|------|-----------|------------|------|----|---------|----|
|               | ISO               | Reference | NPT    | Reference |                            | INNER SHEATH |      | CONDUCTOR |            |      |    | A       | B  |
|               |                   |           |        |           |                            | Min          | Max  | Ø Max     | Max number |      |    |         |    |
| 4             | 16                | CAP019594 | 3/8"   | CAP011594 | 15 (12)                    | 4            | 7,5  | 6,5       | 6 X        | Ø1,5 | 36 | 15      | 19 |
| 4             | 20                | CAP019674 | 1/2"   | CAP011674 | 15 (22,2)                  | 4            | 7,5  | 6,5       | 6 X        | Ø1,5 | 36 | 15      | 24 |
| 5             | 20                | CAP019694 | 1/2"   | CAP011694 | 15 (22,2)                  | 6,5          | 11   | 9,5       | 6 X        | Ø2,5 | 42 | 19      | 24 |
| 6             | 20                | CAP019604 | 1/2"   | CAP011604 | 15 (22,2)                  | 9            | 14,5 | 12        | 10 X       | Ø2,5 | 48 | 24      | 30 |
| 6             | 25                | CAP019794 | 3/4"   | CAP011794 | 15 (22,5)                  | 9            | 14,5 | 12        | 10 X       | Ø2,5 | 48 | 24      | 30 |
| 7             | 25                | CAP019704 | 3/4"   | CAP011704 | 15 (22,5)                  | 12           | 19,5 | 17        | 21 X       | Ø2,5 | 58 | 30      | 41 |
| 7             | 32                | CAP019894 | 1"     | CAP011894 | 15 (27,3)                  | 12           | 19,5 | 17        | 21 X       | Ø2,5 | 58 | 30      | 41 |
| 8             | 32                | CAP019804 | 1"     | CAP011804 | 15 (27,3)                  | 17,5         | 26   | 23        | 42 X       | Ø2,5 | 70 | 41      | 48 |
| 8             | 40                | CAP019994 | 1 1/4" | CAP011994 | 15 (28)                    | 17,5         | 26   | 23        | 42 X       | Ø2,5 | 70 | 41      | 48 |
| 9             | 40                | CAP019904 | 1 1/4" | CAP011904 | 15 (28)                    | 23           | 33   | 29        | 60 X       | Ø2,5 | 79 | 48      | 55 |
| 9             | 50                | CAP019094 | 1 1/2" | CAP011094 | 16 (28,5)                  | 23           | 33   | 29        | 60 X       | Ø2,5 | 79 | 48      | 55 |
| 10            | 50                | CAP019004 | 2"     | CAP011004 | 16 (29,2)                  | 28,5         | 41   | 36,5      | 80 X       | Ø3   | 88 | 55      | 64 |
| 10            | 63                | CAP019204 | /      | /         | 16                         | 28,5         | 41   | 36,5      | 80 X       | Ø3   | 88 | 55      | 67 |

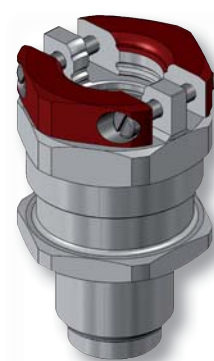
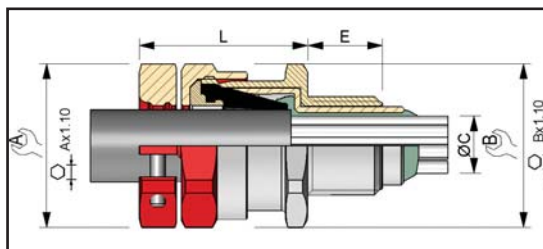


**Cable gland type**  
For unarmoured cable • Barrier gland

**Cable type**  
Non-armoured cable

### Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- NEMA 4X IP68
- ABS approbation :  
N° 10-HS 577243-PDA / P 1836754-X



### Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Provides flameproof seal on the strands and the external sheath of the non-armoured cables.
- Provides the clamping of the non-armoured cables.
- Signalitique: red cap nut.
- Provides the sealing on the external sheath of the not armed cables.
- Neoprene seal and resin certify in the range of temperature ATEX -60°C to +80°C.
- Available with metric or NPT threads.
- See pages 180 to 186 for related accessories.

### ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP02969 4 |         |
| Gland Type | Options |

### OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO / (NPT) | CABLE        |      |           |            |      | L  | HEXAGON |    |
|---------------|-------------------|-----------|--------|-----------|----------------------------|--------------|------|-----------|------------|------|----|---------|----|
|               | ISO               | Reference | NPT    | Reference |                            | INNER SHEATH |      | CONDUCTOR |            |      |    | A       | B  |
|               |                   |           |        |           |                            | Min          | Max  | Ø Max     | Max number |      |    |         |    |
| 4             | 16                | CAP029594 | 3/8"   | CAP021594 | 15 (12)                    | 4            | 7,5  | 6,5       | 6 X        | Ø1,5 | 36 | 19      | 19 |
| 4             | 20                | CAP029674 | 1/2"   | CAP021674 | 15 (22,2)                  | 4            | 7,5  | 6,5       | 6 X        | Ø1,5 | 36 | 19      | 24 |
| 5             | 20                | CAP029694 | 1/2"   | CAP021694 | 15 (22,2)                  | 6,5          | 11   | 9,5       | 6 X        | Ø2,5 | 42 | 24      | 24 |
| 6             | 20                | CAP029604 | 1/2"   | CAP021604 | 15 (22,2)                  | 9            | 14,5 | 12        | 10 X       | Ø2,5 | 48 | 30      | 30 |
| 6             | 25                | CAP029794 | 3/4"   | CAP021794 | 15 (22,5)                  | 9            | 14,5 | 12        | 10 X       | Ø2,5 | 48 | 30      | 30 |
| 7             | 25                | CAP029704 | 3/4"   | CAP021704 | 15 (22,5)                  | 12           | 19,5 | 17        | 21 X       | Ø2,5 | 58 | 41      | 41 |
| 7             | 32                | CAP029894 | 1"     | CAP021894 | 15 (27,3)                  | 12           | 19,5 | 17        | 21 X       | Ø2,5 | 58 | 41      | 41 |
| 8             | 32                | CAP029804 | 1"     | CAP021804 | 15 (27,3)                  | 17,5         | 26   | 23        | 42 X       | Ø2,5 | 70 | 48      | 48 |
| 8             | 40                | CAP029994 | 1 1/4" | CAP021994 | 15 (28)                    | 17,5         | 26   | 23        | 42 X       | Ø2,5 | 70 | 48      | 48 |
| 9             | 40                | CAP029904 | 1 1/4" | CAP021904 | 15 (28)                    | 23           | 33   | 29        | 60 X       | Ø2,5 | 79 | 55      | 55 |
| 9             | 50                | CAP029094 | 1 1/2" | CAP021094 | 16 (28,5)                  | 23           | 33   | 29        | 60 X       | Ø2,5 | 79 | 55      | 55 |
| 10            | 50                | CAP029004 | 2"     | CAP021004 | 16 (29,2)                  | 28,5         | 41   | 36,5      | 80 X       | Ø3   | 88 | 64      | 64 |
| 10            | 63                | CAP029204 | /      | /         | 16                         | 28,5         | 41   | 36,5      | 80 X       | Ø3   | 88 | 64      | 67 |



## Cable gland type

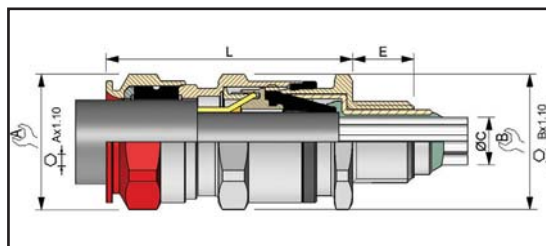
For armoured cable • Barrier gland

## Cable type

Steel wire armoured cable, steel wire braided, steel tape armoured, braided marine shipboard

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD/Ex II 2 GD
- IECEx LCI 05.0004X
- cULus listed for Class I Zone 2 AEx e II/Ex e II
- cULus Marine listed for Class I Zone 1 AEx e II Ex e II
- NEMA 4X et IP68
- CEPEL (pending)
- GOST-R : POCC FR Bo2011
- NEPSI (pending)
- ABS approbation : N° 10-HS 577243-PDA / P 1836754-X



## Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Armour clamping and bonding with no reversible components for easy installation, minimizing error.
- Fully inspectable armour clamping and crimping including deluge boot.
- Provides flameproof seal on the strands and the inner sheath of the armoured cables.
- Provides the sealing on the outer sheath of the armoured cables
- Signalitique: red cap nut.
- Neoprene seal and resin certify in the range of temperature ATEX -60°C to +80°C.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

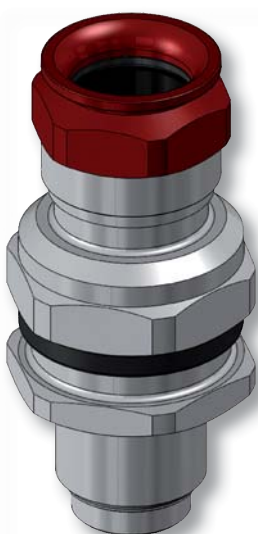
## ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP96959 4 |         |
| Gland Type | Options |

## OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO /<br>(NPT) | CABLE           |      |                 |      |           |               | L    | HEXAGON |    |    |
|---------------|-------------------|-----------|--------|-----------|-------------------------------|-----------------|------|-----------------|------|-----------|---------------|------|---------|----|----|
|               | ISO               | Reference | NPT    | Reference |                               | INNER<br>SHEATH |      | OUTER<br>SHEATH |      | CONDUCTOR |               |      | A       | B  |    |
|               |                   |           |        |           |                               | Min             | Max  | Min             | Max  | Ø Max C   | Max<br>number |      |         |    |    |
| 5             | 16                | CAP969594 | 3/8"   | CAP974594 | 15 (12.0)                     | 4               | 7.5  | 6.0             | 12.0 | 6.5       | 6X            | Ø1,5 | 46      | 19 | 19 |
| 5             | 20                | CAP969674 | 1/2"   | CAP971674 | 15 (20.2)                     | 4               | 7.5  | 6.0             | 12.0 | 6.5       | 6X            | Ø1,5 | 46      | 19 | 24 |
| 6             | 20                | CAP969694 | 1/2"   | CAP971694 | 15 (20.2)                     | 6.5             | 11   | 8.5             | 16.0 | 9.5       | 6X            | Ø2,5 | 53      | 24 | 24 |
| 7             | 20                | CAP969604 | 1/2"   | CAP971604 | 15 (20.2)                     | 9               | 14.5 | 12.0            | 21.0 | 12        | 10X           | Ø2,5 | 59      | 30 | 30 |
| 7             | 25                | CAP969794 | 3/4"   | CAP971794 | 15 (20.5)                     | 9               | 14.5 | 12.0            | 21.0 | 12        | 10X           | Ø2,5 | 59      | 30 | 30 |
| 8             | 25                | CAP969704 | 3/4"   | CAP971704 | 15 (20.5)                     | 12              | 19.5 | 16.0            | 27.5 | 17        | 21X           | Ø2,5 | 74.5    | 41 | 41 |
| 8             | 32                | CAP969894 | 1"     | CAP971894 | 15 (25.3)                     | 12              | 19.5 | 16.0            | 27.5 | 17        | 21X           | Ø2,5 | 74.5    | 41 | 41 |
| 9             | 32                | CAP969804 | 1"     | CAP971804 | 15 (25.3)                     | 17.5            | 28   | 21.0            | 34.0 | 23        | 42X           | Ø2,5 | 83.5    | 48 | 48 |
| 9             | 40                | CAP969994 | 1-1/4" | CAP971994 | 15 (26.0)                     | 17.5            | 28   | 21.0            | 34.0 | 23        | 42X           | Ø2,5 | 83.5    | 48 | 48 |
| 10            | 40                | CAP969904 | 1-1/4" | CAP971904 | 15 (26.0)                     | 23              | 33   | 27.0            | 41.0 | 29        | 60X           | Ø2,5 | 92      | 55 | 55 |
| 10            | 50                | CAP970094 | 1-1/2" | CAP972094 | 16 (26.5)                     | 23              | 33   | 27.0            | 41.0 | 29        | 60X           | Ø2,5 | 92      | 55 | 55 |
| 11            | 50                | CAP970004 | 2"     | CAP972004 | 16 (27.2)                     | 28.5            | 41   | 33.0            | 48.0 | 36.5      | 80X           | Ø3   | 104     | 64 | 64 |



*The cable glands 1 FLC and 6 FLC allow a fast wiring when the standards for explosive atmospheres require an barrier cable gland.*

*As part of a project or facility with a large number of cables gland to assemble, the range 1 FLC and 6 FLC allows the installation prewire and then to resin the cable glands with a fluid resin ready employment.*

*The use of bicomponent resin prevents fluid handling, the product is properly measured and is not polluted. Wiring time is reduced for at least 30%.*



## Cable gland type

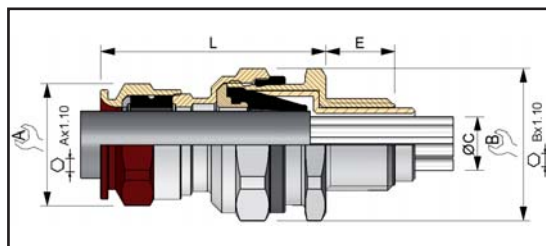
For unarmoured cable

## Cable type

Non-armoured cable

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- NEMA 4X and IP68
- ABS approbation :  
N° 10-HS 577243-PDA / P 1836754-X



## Features:

- Standard material is nickel-plated brass for superior corrosion resistance
- Provides flameproof seal on the strands and the outer sheath of the unarmoured cables.
- Signalitique: red cap nut.
- Neoprene seal and resin certify in the range of temperature ATEX -60°C to +80°C.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

## ORDERING EXAMPLE:

CAP51959 4

Gland Type

Options

## OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |     |           | LENGTH<br>E<br>ISO / (NPT) | CABLE        |      |           |            |      | L  | HEXAGON |    | COND |
|---------------|-------------------|-----------|-----|-----------|----------------------------|--------------|------|-----------|------------|------|----|---------|----|------|
|               | ISO               | Reference | NPT | Reference |                            | INNER SHEATH |      | CONDUCTOR |            |      |    | A       | B  |      |
|               |                   |           |     |           |                            | Min          | Max  | Ø Max     | Max number |      |    |         |    |      |
| 4             | 16                | CAP519594 | 3/8 | CAP511594 | 15 (12)                    | 4            | 7,5  | 6,5       | 5 X        | Ø1,5 | 36 | 15      | 19 | 40   |
| 4             | 20                | CAP519674 | 1/2 | CAP511674 | 15 (22,2)                  | 4            | 7,5  | 6,5       | 5 X        | Ø1,5 | 36 | 15      | 24 | 40   |
| 5             | 20                | CAP519694 | 1/2 | CAP511694 | 15 (22,2)                  | 6,5          | 11   | 9,5       | 5 X        | Ø2,5 | 42 | 19      | 24 | 40   |
| 6             | 20                | CAP519604 | 1/2 | CAP511604 | 15 (22,2)                  | 9            | 14,5 | 12        | 8 X        | Ø2,5 | 48 | 24      | 30 | 40   |
| 6             | 25                | CAP519794 | 3/4 | CAP511794 | 15 (22,5)                  | 9            | 14,5 | 12        | 8 X        | Ø2,5 | 48 | 24      | 30 | 40   |
| 7             | 25                | CAP519704 | 3/4 | CAP511704 | 15 (22,5)                  | 12           | 19,5 | 17        | 12 X       | Ø2,5 | 58 | 30      | 41 | 30   |



### Cable gland type

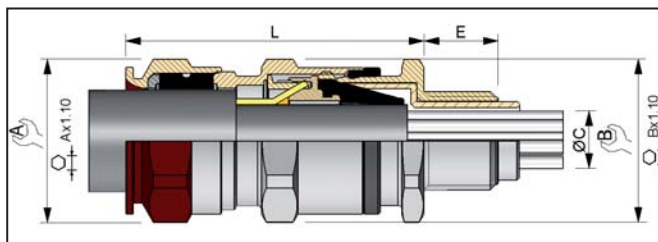
For armoured cable

### Cable type

Steel wire armoured cable, steel wire braided, steel tape armoured, braided marine shipboard

### Certifications and Compliances

- ATEX LCIE 97 ATEX 6008X – Exd IIC/Exe II/ Ex tD /Ex II 2 GD
- IECEx LCI 05.0004X
- NEMA 4X and IP68
- CEPEL cepel-EX-558/05X (pending)
- GOST-R POCC FR.B02011 (pending)
- ABS approbation : N° 10-HS 577243-PDA / P 1836754-X



### Features:

- Standard material is nickel-plated brass for superior corrosion resistance
- Resumption of armour without reversible components.
- Provides flameproof seal on the bits and the inner sheath of the armoured cables.
- Provides a weatherproof seal on the outer sheath of the armoured cable.
- Fully inspectable armour clamping and crimping including deluge boot.
- Signalitique: red stopping plug.
- Neoprene seal and resin certify in the range of temperature ATEX -60°C to +80°C.
- Available with metric or NPT threads.
- See page 172 for additional clamping.
- See pages 180 to 186 for related accessories.

### ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP56959 4 |         |
| Gland Type | Options |

### OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |     |           | LENGTH<br>E<br>ISO / (NPT) | CABLE        |      |           |            |      | L  | HEXAGON |    | COND |
|---------------|-------------------|-----------|-----|-----------|----------------------------|--------------|------|-----------|------------|------|----|---------|----|------|
|               | ISO               | Reference | NPT | Reference |                            | INNER SHEATH |      | CONDUCTOR |            |      |    | A       | B  |      |
|               |                   |           |     |           |                            | Min          | Max  | Ø Max     | Max number |      |    |         |    |      |
| 4             | 16                | CAP569594 | 3/8 | CAP571594 | 15 (12)                    | 4            | 7,5  | 6,5       | 5 X        | Ø1,5 | 36 | 15      | 19 | 40   |
| 4             | 20                | CAP569674 | 1/2 | CAP571074 | 15 (22,2)                  | 4            | 7,5  | 6,5       | 5 X        | Ø1,5 | 36 | 15      | 24 | 40   |
| 5             | 20                | CAP569674 | 1/2 | CAP571674 | 15 (22,2)                  | 6,5          | 11   | 9,5       | 5 X        | Ø2,5 | 42 | 19      | 24 | 40   |
| 6             | 20                | CAP569694 | 1/2 | CAP571694 | 15 (22,2)                  | 9            | 14,5 | 12        | 8 X        | Ø2,5 | 48 | 24      | 30 | 40   |
| 6             | 25                | CAP569704 | 3/4 | CAP571704 | 15 (22,5)                  | 9            | 14,5 | 12        | 8 X        | Ø2,5 | 48 | 24      | 30 | 40   |
| 7             | 25                | CAP569794 | 3/4 | CAP569794 | 15 (22,5)                  | 12           | 19,5 | 17        | 12 X       | Ø2,5 | 58 | 30      | 41 | 30   |

# Certified ACCESSORIES series ADE



**CLAMPING MODULE - material: nickel-plated brass and stainless steel washer and screws**

**SELECTION TABLE**

| cable range | size | for HEXAGON | width | thickness | reference |
|-------------|------|-------------|-------|-----------|-----------|
| 4-8.5       | 4    | 15          | 18    | 5         | CAP810434 |
| 6-11        | 5    | 19          | 22    | 5         | CAP810534 |
| 8.5-16      | 6    | 24          | 27.5  | 6         | CAP810634 |
| 12-21       | 7    | 30          | 33.5  | 8         | CAP810734 |
| 16-27.5     | 8    | 41          | 45    | 8         | CAP810834 |
| 21-34       | 9    | 48          | 52    | 9.5       | CAP810934 |
| 27-41       | 10   | 55          | 59    | 9.5       | CAP811034 |
| 33-48       | 11   | 64          | 69    | 12        | CAP811134 |
| 40-56       | 12   | 72          | 78    | 12        | CAP811234 |
| 47-65       | 13   | 85          | 92    | 16        | CAP811334 |
| 54-74       | 14   | 95          | 103   | 16        | CAP811434 |
| 63-83       | 15   | 110         | 118   | 18        | CAP811534 |
| 72-93       | 16   | 120         | 128   | 18        | CAP811634 |



**LEAD SHEATH washer - material: brass**

**SELECTION TABLE**

| Size<br>ade 4f | CAPACITY on lead sheath |      | reference |
|----------------|-------------------------|------|-----------|
|                | MIN                     | MAX  |           |
| 5              | 4                       | 7.5  | CAP560530 |
| 6              | 6                       | 11   | CAP560630 |
| 7              | 9                       | 15   | CAP560730 |
| 8              | 12                      | 20   | CAP560830 |
| 9              | 16                      | 26.5 | CAP560930 |
| 10             | 21                      | 32.5 | CAP561030 |
| 11             | 28                      | 39.5 | CAP561130 |
| 12             | 33                      | 46.5 | CAP561230 |
| 13             | 40                      | 54.5 | CAP561330 |
| 14             | 46.5                    | 61   | CAP561430 |
| 15             | 54                      | 72.5 | CAP561530 |
| 16             | 63                      | 81.5 | CAP561630 |





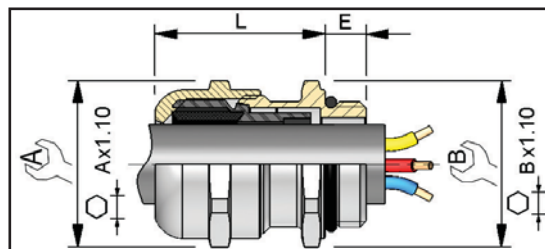
## Cable gland type

For unarmoured cable

**Cable type**  
Unarmoured or braided cable

## Certifications and Compliances

- ATEX/Exe II/ Ex tD /Ex II 2 GD
- EN 50262



## Features:

- Material: Nickel-plated brass.
- Neoprene sealing ring and dust cover.
- Polyamide clamping bush.
- Operating temperature range ATEX : -40°C +100°C.
- O-ring.
- IP 68: Protection according to NF EN 60529.
- Metric thread: ISO-NF EN 60423 and NF EN 50262.

| ENTRY THREAD SIZE    ISO |     |           |     |                    |          |      |    |         |    | LONG FIXING THREAD<br>STAINLESS 316 L |           |
|--------------------------|-----|-----------|-----|--------------------|----------|------|----|---------|----|---------------------------------------|-----------|
| Gland size               | ISO | Reference | E   | Braid<br>thickness | Cable    |      | L  | HEXAGON |    | E                                     | Reference |
|                          |     |           |     |                    | Diameter |      |    | A       | B  |                                       |           |
|                          |     |           |     |                    | Min      | Max  |    |         |    |                                       |           |
| 4                        | 12  | CAP192124 | 6,5 | 0,7                | 3        | 6,5  | 18 | 15      | 15 | 15                                    | CAP192129 |
| 4                        | 16  | CAP192154 | 6,5 | 0,7                | 3        | 6,5  | 18 | 15      | 18 | 15                                    | CAP192159 |
| 5                        | 16  | CAP192164 | 6,5 | 0,7                | 4,5      | 10   | 24 | 20      | 20 | 15                                    | CAP192169 |
| 5                        | 20  | CAP192194 | 6,5 | 0,7                | 4,5      | 10   | 24 | 20      | 22 | 15                                    | CAP192199 |
| 6                        | 20  | CAP192204 | 6,5 | 0,8                | 6        | 13   | 27 | 24      | 24 | 15                                    | CAP192209 |
| 6                        | 25  | CAP192244 | 7   | 0,8                | 6        | 13   | 27 | 24      | 27 | 15                                    | CAP192249 |
| 7                        | 25  | CAP192254 | 7   | 0,85               | 10       | 18   | 28 | 30      | 30 | 15                                    | CAP192259 |
| 7                        | 32  | CAP192314 | 8   | 0,85               | 10       | 18   | 28 | 30      | 34 | 15                                    | CAP192319 |
| 8                        | 32  | CAP192324 | 8   | 0,95               | 16       | 24,5 | 30 | 38      | 38 | 15                                    | CAP192329 |
| 8                        | 40  | CAP192394 | 8   | 0,95               | 16       | 24,5 | 30 | 38      | 43 | 15                                    | CAP192399 |
| 9                        | 40  | CAP192404 | 8   | 1                  | 22       | 32   | 33 | 47      | 47 | 15                                    | CAP192409 |
| 9                        | 50  | CAP192494 | 9   | 1                  | 22       | 32   | 33 | 47      | 54 | 15                                    | CAP192499 |
| 10                       | 50  | CAP192504 | 9   | 1,15               | 29       | 40,5 | 37 | 57      | 57 | 15                                    | CAP192509 |
| 10                       | 63  | CAP192624 | 10  | 1,15               | 29       | 40,5 | 37 | 57      | 68 | 15                                    | CAP192629 |
| 11                       | 63  | CAP192634 | 10  | 1,75               | 37       | 53   | 48 | 75      | 75 | 15                                    | CAP192639 |



### Cable gland type

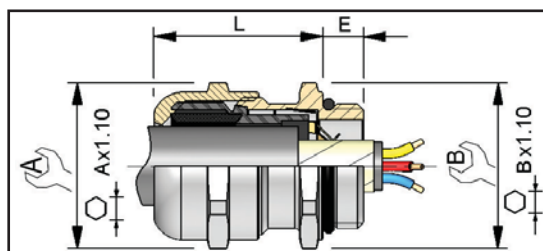
For round cable

### Cable type

Unarmoured or braided cable

### Certifications and Compliances

- ATEX / Exe II/ Ex tD /Ex II 2 GD
- EN 50262



### Features:

- Material: Nickel-plated brass.
- Neoprene sealing ring and dust cover.
- Polyamide clamping bush.
- Operating temperature range ATEX : -40°C +100°C.
- O-ring.
- Metallic continuity washer.
- IP 68: Protection according to NF EN 60529.
- Metric thread: ISO-NF EN 60423 and NF EN 50262.

| ENTRY THREAD SIZE    ISO |     |           |     |                    |                       |          |      |    |         |    | LONG FIXING THREAD<br>STAINLESS 316 L |           |
|--------------------------|-----|-----------|-----|--------------------|-----------------------|----------|------|----|---------|----|---------------------------------------|-----------|
| Gland<br>size            | ISO | Reference | E   | Braid<br>thickness | Cable                 |          |      | L  | HEXAGON |    | E                                     | Reference |
|                          |     |           |     |                    | Diameter on<br>shield | Diameter |      |    | A       | B  |                                       |           |
|                          |     |           |     |                    |                       | Min      | Max  |    |         |    |                                       |           |
| 4                        | 12  | CAP193124 | 6,5 | 0,7                | 3                     | 3        | 6,5  | 18 | 15      | 15 | 15                                    | CAP193129 |
| 4                        | 16  | CAP193154 | 6,5 | 0,7                | 3                     | 3        | 6,5  | 18 | 15      | 18 | 15                                    | CAP193159 |
| 5                        | 16  | CAP193164 | 6,5 | 0,7                | 4,5                   | 4,5      | 10   | 24 | 20      | 20 | 15                                    | CAP193169 |
| 5                        | 20  | CAP193194 | 6,5 | 0,7                | 4,5                   | 4,5      | 10   | 24 | 20      | 22 | 15                                    | CAP193199 |
| 6                        | 20  | CAP193204 | 6,5 | 0,8                | 6                     | 6        | 13   | 27 | 24      | 24 | 15                                    | CAP193209 |
| 6                        | 25  | CAP193244 | 7   | 0,8                | 6                     | 6        | 13   | 27 | 24      | 27 | 15                                    | CAP193249 |
| 7                        | 25  | CAP193254 | 7   | 0,85               | 10                    | 10       | 18   | 28 | 30      | 30 | 15                                    | CAP193259 |
| 7                        | 32  | CAP193314 | 8   | 0,85               | 10                    | 10       | 18   | 28 | 30      | 34 | 15                                    | CAP193319 |
| 8                        | 32  | CAP193324 | 8   | 0,95               | 15                    | 16       | 24,5 | 30 | 38      | 38 | 15                                    | CAP193329 |
| 8                        | 40  | CAP193394 | 8   | 0,95               | 15                    | 16       | 24,5 | 30 | 38      | 43 | 15                                    | CAP193399 |
| 9                        | 40  | CAP193404 | 8   | 1                  | 20,5                  | 22       | 32   | 33 | 47      | 47 | 15                                    | CAP193409 |
| 9                        | 50  | CAP193494 | 9   | 1                  | 20,5                  | 22       | 32   | 33 | 47      | 54 | 15                                    | CAP193499 |
| 10                       | 50  | CAP193504 | 9   | 1,15               | 27,5                  | 29       | 40,5 | 37 | 57      | 57 | 15                                    | CAP193509 |
| 10                       | 63  | CAP193624 | 10  | 1,15               | 27,5                  | 29       | 40,5 | 37 | 57      | 68 | 15                                    | CAP193629 |
| 11                       | 63  | CAP193634 | 10  | 1,75               | 34,5                  | 37       | 53   | 48 | 75      | 75 | 15                                    | CAP193639 |



## Cable gland type

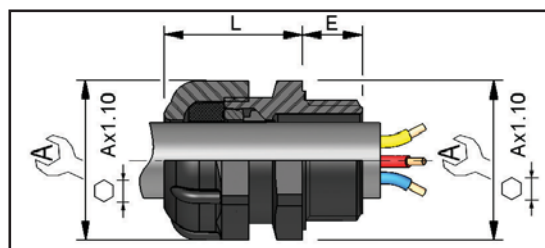
For round cable

## Cable type

Unarmoured round cable

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6007X /Exe II/Ex tD/Ex II 2 GD
- EN 50262



## Features:

- Material: polyamide 6 – UL 94 HB halogene free.
- Color : black RAL 9005.
- Santoprene seal ring.
- Operating temperature range ATEX : -20°C à +80°C.
- IP 68 according to NF EN 60529.
- See page181 for obturator polyamide.
- Metric thread: ISO-NF EN 60423 and NF EN 50262.

## ENTRY THREAD SIZE ISO

| Gland size | Entry thread size |           | E  | outer sheath |     | L  | HEXAGON |    |
|------------|-------------------|-----------|----|--------------|-----|----|---------|----|
|            | ISO               | Reference |    | Min          | Max |    | A       | B  |
| 4          | 12                | CAP441206 | 9  | 3,5          | 6   | 18 | 15      | 15 |
| 5          | 16                | CAP441606 | 12 | 5            | 8   | 22 | 19      | 19 |
| 6          | 16                | CAP441806 | 9  | 6            | 10  | 22 | 22      | 22 |
| 7          | 20                | CAP442006 | 12 | 8            | 13  | 23 | 24      | 24 |
| 8          | 20                | CAP442206 | 10 | 10           | 15  | 23 | 26      | 26 |
| 9          | 25                | CAP442506 | 13 | 13           | 19  | 29 | 32      | 32 |
| 10         | 32                | CAP443206 | 15 | 18           | 25  | 29 | 41      | 41 |
| 11         | 40                | CAP444006 | 15 | 24           | 32  | 35 | 52      | 52 |
| 12         | 50                | CAP445006 | 16 | 29           | 38  | 40 | 59      | 59 |
| 13         | 63                | CAP446306 | 16 | 36           | 44  | 42 | 65      | 65 |



## Cable gland type

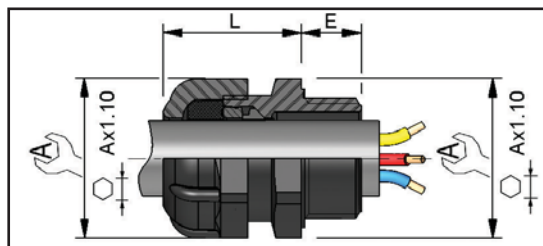
For round cable

## Cable type

Unarmoured round cable

## Certifications and Compliances

- ATEX LCIE 97 ATEX 6007X /Exe II/Ex tD/Ex II 2 GD
- EN 50262



## Features:

- Material: polyamide 6 – UL 94 HB halogene free.
- Color : black RAL 9005 – blue RAL 5012 (capnut).
- Santoprene seal ring.
- Operating temperature range ATEX : -20°C à +80°C.
- IP 68 according to NF EN 60529.
- See page181 for obturator polyamide.
- Metric thread: ISO-NF EN 60423 and NF EN 50262.

## ENTRY THREAD SIZE ISO

| Gland size | Entry thread size |           | E  | outer sheath |     | L  | HEXAGON |    |
|------------|-------------------|-----------|----|--------------|-----|----|---------|----|
|            | ISO               | Reference |    | Min          | Max |    | A       | B  |
| 4          | 12                | CAP441207 | 9  | 3,5          | 6   | 18 | 15      | 15 |
| 5          | 16                | CAP441607 | 12 | 5            | 8   | 22 | 19      | 19 |
| 6          | 16                | CAP441807 | 9  | 6            | 10  | 22 | 22      | 22 |
| 7          | 20                | CAP442007 | 12 | 8            | 13  | 23 | 24      | 24 |
| 8          | 20                | CAP442207 | 10 | 10           | 15  | 23 | 26      | 26 |
| 9          | 25                | CAP442507 | 13 | 13           | 19  | 29 | 32      | 32 |
| 10         | 32                | CAP443207 | 15 | 18           | 25  | 29 | 41      | 41 |
| 11         | 40                | CAP444007 | 15 | 24           | 32  | 35 | 52      | 52 |
| 12         | 50                | CAP445007 | 16 | 29           | 38  | 40 | 59      | 59 |
| 13         | 63                | CAP446307 | 16 | 36           | 44  | 42 | 65      | 65 |

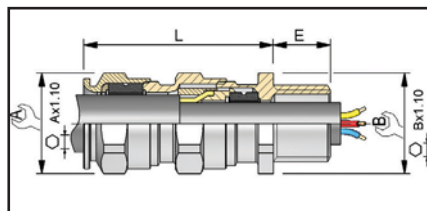


### Cable gland type

For armoured cable

### Cable type

Steel wire armoured cable, steel wire braided, steel tape armoured, braided marine shipboard and lead sheathed (with addition of earthing washer)



### Features:

- Standard material is nickel-plated brass for superior corrosion resistance.
- Armour clamping and bonding with no reversible components for easy installation, minimizing error.
- Provides the sealing on the inner and outer sheath of the armoured cables.
- Continuous use temperature: -20°C to +100°C.
- Available with metric or NPT threads.
- See pages 31-32 for related accessories.

### ORDERING EXAMPLE:

|            |         |
|------------|---------|
| CAP94640 4 |         |
| Gland Type | Options |

### OPTIONS (replace last digit with option number):

- 9 Stainless steel (316L)
- 8 Bronze
- 7 Aluminum

| GLAND<br>SIZE | ENTRY THREAD SIZE |           |        |           | LENGTH<br>E<br>ISO / (NPT) | CABLE           |      |                 |       | BRAID<br>THICKNESS<br>MAX | L   | HEXAGON |     |
|---------------|-------------------|-----------|--------|-----------|----------------------------|-----------------|------|-----------------|-------|---------------------------|-----|---------|-----|
|               | ISO               | Reference | NPT    | Reference |                            | INNER<br>SHEATH |      | OUTER<br>SHEATH |       |                           |     | A       | B   |
|               |                   |           |        |           |                            | Min             | Max  | Min             | Max   |                           |     |         |     |
| 5             | 12                | CAP946404 | 1/4"   | CAP948404 | 15 (12.0)                  | 4.0             | 8.0  | 6.0             | 12.0  | 0.9                       | 36  | 19      | 19  |
| 5             | 16                | CAP946594 | 3/8"   | CAP948594 | 15 (12.0)                  | 4.0             | 8.5  | 6.0             | 12.0  | 0.9                       | 36  | 19      | 19  |
| 6             | 16                | CAP946504 | 3/8"   | CAP948504 | 15 (12.0)                  | 6.0             | 12.0 | 8.5             | 16.0  | 1.25                      | 42  | 24      | 24  |
| 5             | 20                | CAP946674 | 1/2"   | CAP948674 | 15 (20.2)                  | 4.0             | 8.5  | 6.0             | 12.0  | 0.9                       | 36  | 19      | 24  |
| 6             | 20                | CAP946694 | 1/2"   | CAP948694 | 15 (20.2)                  | 6.0             | 12.0 | 8.5             | 16.0  | 1.25                      | 42  | 24      | 24  |
| 7             | 20                | CAP946604 | 1/2"   | CAP948604 | 15 (20.2)                  | 8.5             | 16.0 | 12.0            | 21.0  | 1.25                      | 46  | 30      | 30  |
| 6             | 25                | CAP946774 | 3/4"   | CAP948774 | 15 (20.2)                  | 6.0             | 12.0 | 8.5             | 16.0  | 1.25                      | 42  | 19      | 30  |
| 7             | 25                | CAP946794 | 3/4"   | CAP948795 | 15 (20.2)                  | 8.5             | 16.0 | 12.0            | 21.0  | 1.25                      | 46  | 24      | 30  |
| 8             | 25                | CAP946704 | 3/4"   | CAP948704 | 15 (20.2)                  | 12.0            | 20.5 | 16.0            | 27.5  | 1.6                       | 56  | 30      | 41  |
| 8             | 32                | CAP946894 | 1"     | CAP948894 | 15 (25.3)                  | 12.0            | 21.0 | 16.0            | 27.5  | 1.6                       | 56  | 41      | 41  |
| 9             | 32                | CAP946804 | 1"     | CAP948804 | 15 (25.3)                  | 16.0            | 27.5 | 21.0            | 34.0  | 1.6                       | 63  | 41      | 48  |
| 9             | 40                | CAP946994 | 1-1/4" | CAP948994 | 15 (26.0)                  | 16.0            | 27.5 | 21.0            | 34.0  | 1.6                       | 63  | 48      | 48  |
| 10            | 40                | CAP946904 | 1-1/4" | CAP948904 | 15 (26.0)                  | 21.0            | 34.0 | 27.0            | 41.0  | 2                         | 68  | 48      | 55  |
| 10            | 50                | CAP947094 | 1-1/2" | CAP949904 | 16 (26.5)                  | 21.0            | 34.0 | 27.0            | 41.0  | 2                         | 68  | 55      | 55  |
| 11            | 50                | CAP947004 | 1-1/2" | CAP949004 | 16 (26.5)                  | 27.0            | 41.0 | 33.0            | 48.0  | 2.5                       | 74  | 55      | 64  |
| 12            | 63                | CAP947294 | 2"     | CAP949294 | 17 (27.2)                  | 27.0            | 41.0 | 33.0            | 48.0  | 2.5                       | 77  | 64      | 72  |
| 13            | 63                | CAP947204 | 2"     | CAP949204 | 17 (27.2)                  | 33.0            | 48.0 | 40.0            | 56.0  | 2.5                       | 85  | 72      | 85  |
| 13            | 75                | CAP947394 | 2-1/2" | CAP949949 | 18 (40.5)                  | 40.0            | 56.0 | 47.0            | 65.0  | 2.5                       | 85  | 85      | 85  |
| 14            | 75                | CAP947304 | 2-1/2" | CAP949404 | 18 (40.5)                  | 47.0            | 65.0 | 54.0            | 74.0  | 2.5                       | 92  | 85      | 95  |
| 15            | 90                | CAP947594 | 3"     | CAP949564 | 22 (42.0)                  | 54.0            | 74.0 | 63.0            | 83.0  | 3.15                      | 104 | 95      | 110 |
| 16            | 90                | CAP947504 | 3"     | CAP949504 | 22 (42.0)                  | 63.0            | 82.0 | 72.0            | 93.0  | 3.15                      | 108 | 110     | 120 |
| 16            | —                 | —         | 3-1/2" | CAP949604 | — (43.2)                   | 63.0            | 82.0 | 72.0            | 93.0  | 3.15                      | 108 | 120     | 120 |
| 17            | M110              | CAP947794 | 4"     | CAP949704 | 22 (44.5)                  | 72.0            | 92.0 | 85.0            | 107.0 | 3.15                      | 115 | 135     | 135 |



# Certified accessories

## Certifications and Compliances

LCIE N° LCIE 08 ATEX 6085X

- Conforms to the ATEX 94/9/CE directive
- According to EN 60079-0, -1, -2, -7, -11 and EN 61241-0, -1 standards

GOST-R N° 6022158

NEPSI N° GYJ071338U & GYJ071339U

- According to CEI 60079-0, -1, -2, -7, -11 and CEI 61241-0, -1 standards

IECEX N° LCI 08.0035X

- Conforme to the requirements IECEx
- According to CEI 60079-0, -1, -2, -7, -11 and CEI 61241-0, -1 standards



ISO

LOCKNUT - material: nickel-plated brass

### METRIC SELECTION TABLE

| THREAD SIZE | E   | A   | Reference |
|-------------|-----|-----|-----------|
| 16          | 3   | 18  | CAP221694 |
| 20          | 3   | 23  | CAP222094 |
| 25          | 3   | 28  | CAP222594 |
| 32          | 3.5 | 36  | CAP223294 |
| 40          | 4   | 44  | CAP224094 |
| 50          | 5   | 54  | CAP225094 |
| 63          | 6   | 70  | CAP226394 |
| 75          | 8   | 85  | CAP227594 |
| 90          | 10  | 100 | CAP229094 |
| 110         | 12  | 120 | CAP221104 |

NPT

LOCKNUT - material: nickel-plated brass

### NPT SELECTION TABLE

| THREAD SIZE | E   | A   | Reference |
|-------------|-----|-----|-----------|
| 1/2"        | 3.5 | 24  | CAP280124 |
| 3/4"        | 3.5 | 30  | CAP280134 |
| 1"          | 4.5 | 37  | CAP280144 |
| 1-1/4"      | 4.5 | 47  | CAP280154 |
| 1-1/2"      | 5   | 52  | CAP280164 |
| 2"          | 5.5 | 64  | CAP280174 |
| 2-1/2"      | 6.5 | 77  | CAP280184 |
| 3"          | 8   | 95  | CAP280194 |
| 3-1/2"      | 10  | 110 | CAP280204 |
| 4"          | 11  | 120 | CAP280214 |



ISO

LOCKNUT - material: stainless steel 316 L

### METRIC SELECTION TABLE

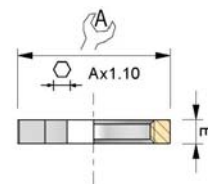
| THREAD SIZE | E   | A   | Reference |
|-------------|-----|-----|-----------|
| 16          | 3   | 18  | CAP221699 |
| 20          | 3   | 23  | CAP222099 |
| 25          | 3   | 28  | CAP222599 |
| 32          | 3.5 | 36  | CAP223299 |
| 40          | 4   | 44  | CAP224099 |
| 50          | 5   | 54  | CAP225099 |
| 63          | 6   | 70  | CAP226399 |
| 75          | 8   | 85  | CAP227599 |
| 90          | 10  | 100 | CAP229099 |
| 110         | 12  | 120 | CAP221109 |

NPT

LOCKNUT - material: stainless steel 316 L

### NPT SELECTION TABLE

| THREAD SIZE | E   | A   | Reference |
|-------------|-----|-----|-----------|
| 1/2"        | 3.5 | 24  | CAP280129 |
| 3/4"        | 3.5 | 30  | CAP280139 |
| 1"          | 4.5 | 37  | CAP280149 |
| 1-1/4"      | 4.5 | 47  | CAP280159 |
| 1-1/2"      | 5   | 52  | CAP280169 |
| 2"          | 5.5 | 64  | CAP280179 |
| 2-1/2"      | 6.5 | 77  | CAP280189 |
| 3"          | 8   | 95  | CAP280199 |
| 3-1/2"      | 10  | 110 | CAP280209 |
| 4"          | 11  | 120 | CAP280219 |



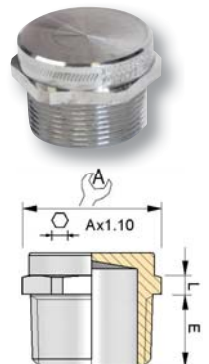
## STOPPING PLUG - material: nickel-plated brass

| ISO METRIC SELECTION TABLE |           |     |      |    |      |
|----------------------------|-----------|-----|------|----|------|
| THREAD SIZE                | reference | a   | L    | e  | Type |
| 12                         | CAP190124 | 14  | 2.8  | 15 | 1    |
| 16                         | CAP190164 | 18  | 3.0  | 15 | 1    |
| 20                         | CAP190204 | 23  | 3.0  | 15 | 1    |
| 25                         | CAP190254 | 28  | 3.5  | 15 | 1    |
| 32                         | CAP190324 | 36  | 4.0  | 15 | 1    |
| 40                         | CAP190404 | 44  | 4.0  | 15 | 1    |
| 50                         | CAP190504 | 54  | 5.0  | 16 | 1    |
| 63                         | CAP190634 | 67  | 5.5  | 17 | 1    |
| 75                         | CAP190754 | 80  | 6.0  | 18 | 2    |
| 90                         | CAP199904 | 95  | 8.0  | 22 | 2    |
| 100                        | CAP191004 | 110 | 10.0 | 22 | 2    |
| 110                        | CAP191014 | 120 | 11   | 22 | 2    |

## STOPPING PLUG - material: nickel-plated brass

| NPT NPT SELECTION TABLE |           |     |      |    |      |
|-------------------------|-----------|-----|------|----|------|
| THREAD SIZE             | reference | a   | L    | e  | Type |
| 1/4"                    | CAP190194 | 14  | 2.8  | 12 | 1    |
| 3/8"                    | CAP109294 | 18  | 2.8  | 12 | 1    |
| 1/2"                    | CAP190394 | 22  | 3.0  | 16 | 1    |
| 3/4"                    | CAP190494 | 28  | 3.0  | 16 | 1    |
| 1"                      | CAP190594 | 36  | 3.5  | 20 | 1    |
| 1-1/4"                  | CAP190694 | 44  | 4.0  | 20 | 2    |
| 1-1/2"                  | CAP190794 | 50  | 5.0  | 20 | 2    |
| 2"                      | CAP190894 | 64  | 5.5  | 20 | 2    |
| 2-1/2"                  | CAP190994 | 75  | 6.0  | 28 | 2    |
| 3"                      | CAP191094 | 90  | 6.0  | 30 | 2    |
| 3-1/2"                  | CAP191194 | 110 | 10.0 | 32 | 2    |
| 4"                      | CAP191294 | 120 | 11   | 32 | 2    |

TYPE 1



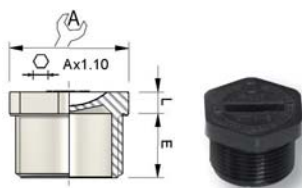
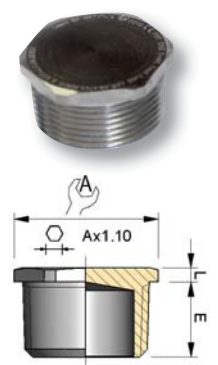
## STOPPING PLUG - material: stainless steel 316 L

| ISO METRIC SELECTION TABLE |           |     |      |    |      |
|----------------------------|-----------|-----|------|----|------|
| THREAD SIZE                | reference | a   | L    | e  | Type |
| 12                         | CAP190129 | 14  | 2.8  | 15 | 1    |
| 16                         | CAP190169 | 18  | 3.0  | 15 | 1    |
| 20                         | CAP190209 | 23  | 3.0  | 15 | 1    |
| 25                         | CAP190259 | 28  | 3.5  | 15 | 1    |
| 32                         | CAP190329 | 36  | 4.0  | 15 | 1    |
| 40                         | CAP190409 | 44  | 4.0  | 15 | 1    |
| 50                         | CAP190509 | 54  | 5.0  | 16 | 1    |
| 63                         | CAP190639 | 67  | 5.5  | 17 | 1    |
| 75                         | CAP190759 | 80  | 6.0  | 18 | 2    |
| 90                         | CAP199909 | 95  | 8.0  | 22 | 2    |
| 100                        | CAP191009 | 110 | 10.0 | 22 | 2    |
| 110                        | CAP191019 | 120 | 11   | 22 | 2    |

## STOPPING PLUG - material: stainless steel 316 L

| NPT NPT SELECTION TABLE |           |     |      |    |      |
|-------------------------|-----------|-----|------|----|------|
| THREAD SIZE             | reference | a   | L    | e  | Type |
| 1/4"                    | CAP190199 | 14  | 2.8  | 12 | 1    |
| 3/8"                    | CAP109299 | 18  | 2.8  | 12 | 1    |
| 1/2"                    | CAP190399 | 22  | 3.0  | 16 | 1    |
| 3/4"                    | CAP190499 | 28  | 3.0  | 16 | 1    |
| 1"                      | CAP190599 | 36  | 3.5  | 20 | 1    |
| 1-1/4"                  | CAP190699 | 44  | 4.0  | 20 | 1    |
| 1-1/2"                  | CAP190799 | 50  | 5.0  | 20 | 1    |
| 2"                      | CAP190899 | 64  | 5.5  | 20 | 1    |
| 2-1/2"                  | CAP190999 | 75  | 6.0  | 28 | 2    |
| 3"                      | CAP191099 | 90  | 6.0  | 30 | 2    |
| 3-1/2"                  | CAP191199 | 110 | 10.0 | 32 | 2    |
| 4"                      | CAP191299 | 120 | 11   | 32 | 2    |

TYPE 2



## STOPPING PLUG - material: polyamide

| ISO METRIC SELECTION TABLE |           |    |     |    |
|----------------------------|-----------|----|-----|----|
| THREAD SIZE                | reference | a  | L   | e  |
| 12                         | CAP191127 | 15 | 4   | 15 |
| 16                         | CAP191167 | 19 | 4   | 15 |
| 20                         | CAP191207 | 23 | 4   | 15 |
| 25                         | CAP191257 | 28 | 5   | 15 |
| 32                         | CAP191327 | 36 | 5.5 | 15 |
| 40                         | CAP191407 | 44 | 5.5 | 15 |
| 50                         | CAP191507 | 54 | 6   | 16 |
| 63                         | CAP191637 | 67 | 6.5 | 17 |

## OBTURATOR - material: polyamide

| SELECTION TABLE |           |                |      |
|-----------------|-----------|----------------|------|
| N°              | reference | OBTURATOR SIZE | Ø    |
| 4               | CAP250712 | 1              | 5.5  |
| 5               | CAP250912 | 2              | 8    |
| 6               | CAP251112 | 3              | 10   |
| 7               | CAP251312 | 4              | 12.3 |
| 8               | CAP251612 | 5              | 14.3 |
| 9               | CAP252112 | 6              | 18.3 |
| 10              | CAP252912 | 7              | 24.3 |
| 11              | CAP253612 | 8              | 31.5 |
| 12              | CAP254212 | 9              | 37   |
| 13              | CAP254812 | 10             | 43   |



ISO

EARTH TAG - material: nickel-plated brass

METRIC SELECTION TABLE

| THREAD SIZE | a     | b    | c    | d     | Reference |
|-------------|-------|------|------|-------|-----------|
| 16          | 48.75 | 30   | 6.75 | 24.5  | CAP567034 |
| 20          | 53.8  | 33   | 7    | 28.6  | CAP567054 |
| 25          | 61.5  | 36   | 10.5 | 34    | CAP567074 |
| 32          | 73    | 41   | 12.2 | 42    | CAP567094 |
| 40          | 86.5  | 44.5 | 13.5 | 54    | CAP567124 |
| 50          | 111.5 | 58   | 13.5 | 67    | CAP567154 |
| 63          | 125.5 | 67   | 13.5 | 77    | CAP567184 |
| 75          | 137.5 | 73   | 13.5 | 89    | CAP567194 |
| 90          | 167   | 93   | 13.5 | 109.5 | CAP567214 |
| 110         | 214   | 125  | 13.5 | 138   | CAP567234 |

NPT

EARTH TAG - material: nickel-plated brass

NPT SELECTION TABLE

| THREAD SIZE | a     | b     | c    | d     | Reference |
|-------------|-------|-------|------|-------|-----------|
| 1/2"        | 61.5  | 36    | 10.5 | 34    | CAP567064 |
| 3/4"        | 73    | 41    | 12.2 | 42    | CAP567084 |
| 1"          | 73    | 41    | 12.2 | 42    | CAP567104 |
| 1-1/4"      | 86.5  | 44.5  | 13.5 | 54    | CAP567134 |
| 1-1/2"      | 111.5 | 58    | 13.5 | 67    | CAP567154 |
| 2"          | 125.5 | 67    | 13.5 | 77    | CAP567174 |
| 2-1/2"      | 137.5 | 73    | 13.5 | 89    | CAP567194 |
| 3"          | 167   | 93    | 13.5 | 109.5 | CAP567214 |
| 3-1/2"      | 188   | 107.3 | 13.5 | 121.5 | CAP567224 |
| 4"          | 214   | 125   | 13.5 | 138   | CAP567244 |



ISO

EARTH TAG - material: stainless steel 316 L

METRIC SELECTION TABLE

| THREAD SIZE | a     | b    | c    | d     | Reference |
|-------------|-------|------|------|-------|-----------|
| 16          | 48.75 | 30   | 6.75 | 24.5  | CAP567039 |
| 20          | 53.8  | 33   | 7    | 28.6  | CAP567059 |
| 25          | 61.5  | 36   | 10.5 | 34    | CAP567079 |
| 32          | 73    | 41   | 12.2 | 42    | CAP567099 |
| 40          | 86.5  | 44.5 | 13.5 | 54    | CAP567129 |
| 50          | 111.5 | 58   | 13.5 | 67    | CAP567159 |
| 63          | 125.5 | 67   | 13.5 | 77    | CAP567189 |
| 75          | 137.5 | 73   | 13.5 | 89    | CAP567199 |
| 90          | 167   | 93   | 13.5 | 109.5 | CAP567219 |
| 110         | 214   | 125  | 13.5 | 138   | CAP567239 |

NPT

EARTH TAG - material: stainless steel 316 L

NPT SELECTION TABLE

| THREAD SIZE | a     | b     | c    | d     | Reference |
|-------------|-------|-------|------|-------|-----------|
| 1/2"        | 61.5  | 36    | 10.5 | 34    | CAP567069 |
| 3/4"        | 73    | 41    | 12.2 | 42    | CAP567089 |
| 1"          | 73    | 41    | 12.2 | 42    | CAP567109 |
| 1-1/4"      | 86.5  | 44.5  | 13.5 | 54    | CAP567139 |
| 1-1/2"      | 111.5 | 58    | 13.5 | 67    | CAP567159 |
| 2"          | 125.5 | 67    | 13.5 | 77    | CAP567179 |
| 2-1/2"      | 137.5 | 73    | 13.5 | 89    | CAP567199 |
| 3"          | 167   | 93    | 13.5 | 109.5 | CAP567219 |
| 3-1/2"      | 188   | 107.3 | 13.5 | 121.5 | CAP567229 |
| 4"          | 214   | 125   | 13.5 | 138   | CAP567249 |



# Reducers / Adaptors selection table



**COOPER** Safety

on request

size unavailable

ENDING 9 : STAINLESS 316 L / ENDING 7 : Aluminium

Standard material: nickeld-plated brass

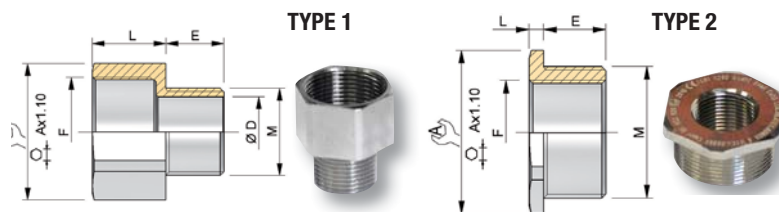
| FEMALE =====> |           |           |           |           |           |           |           |           |           |           |      |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| MALE          | M12       | M16       | M20       | M25       | M32       | M40       | M50       | M63       | M75       | M90       | M110 |
| M12           |           | CAP745334 |           |           |           |           |           |           |           |           |      |
| M16           | CAP745834 |           | CAP740274 |           |           |           |           |           |           |           |      |
| M20           | CAP745844 | CAP740024 |           | CAP740544 |           |           |           |           |           |           |      |
| M25           |           | CAP740034 | CAP740294 |           | CAP740814 |           |           |           |           |           |      |
| M32           |           |           | CAP740304 | CAP740564 |           | CAP741084 |           |           |           |           |      |
| M40           |           |           |           | CAP740574 | CAP740834 |           | CAP741354 |           |           |           |      |
| M50           |           |           |           |           | CAP740844 | CAP741104 |           | CAP741624 |           |           |      |
| M63           |           |           |           |           |           | CAP741114 | CAP741374 |           | CAP741894 |           |      |
| M75           |           |           |           |           |           |           | CAP741384 | CAP741644 |           | CAP745394 |      |
| M90           |           |           |           |           |           |           |           | CAP745854 | CAP745864 |           |      |
| M110          |           |           |           |           |           |           |           |           |           | CAP745924 |      |

| FEMALE =====> |           |           |           |           |           |           |           |           |           |           |           |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MALE          | 1/4       | 3/8       | 1/2       | 3/4       | 1         | 1 1/4     | 1 1/2     | 2         | 2 1/2     | 3         | 3 1/2     |
| M12           | CAP744104 |           |           |           |           |           |           |           |           |           |           |
| M16           | CAP744184 | CAP744194 | CAP744694 |           |           |           |           |           |           |           |           |
| M20           | CAP744204 | CAP744214 | CAP744704 | CAP744964 |           |           |           |           |           |           |           |
| M25           |           |           | CAP744214 | CAP744974 | CAP745234 |           |           |           |           |           |           |
| M32           |           |           | CAP744724 | CAP744984 | CAP745244 | CAP745504 |           |           |           |           |           |
| M40           |           |           |           | CAP744994 | CAP745254 | CAP745514 | CAP745774 |           |           |           |           |
| M50           |           |           |           |           | CAP745264 | CAP745524 | CAP745784 | CAP746044 |           |           |           |
| M63           |           |           |           |           | CAP745274 | CAP745534 | CAP745794 | CAP746054 | CAP746314 |           |           |
| M75           |           |           |           |           |           |           | CAP745804 | CAP746064 | CAP746324 | CAP746584 |           |
| M90           |           |           |           |           |           |           |           | CAP744284 | CAP744294 | CAP744304 | CAP744314 |
| M110          |           |           |           |           |           |           |           |           |           | CAP744514 | CAP744254 |

| FEMALE =====> |           |           |           |           |           |           |           |           |           |           |           |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MALE          | 1/4       | 3/8       | 1/2       | 3/4       | 1         | 1 1/4     | 1 1/2     | 2         | 2 1/2     | 3         | 3 1/2     |
| 1/4           | CAP744574 | CAP744584 |           |           |           |           |           |           |           |           |           |
| 3/8           | CAP745574 | CAP744614 | CAP744624 |           |           |           |           |           |           |           |           |
| 1/2           |           | CAP745594 | CAP744874 | CAP745134 |           |           |           |           |           |           |           |
| 3/4           |           | CAP745604 | CAP744884 | CAP745144 | CAP745404 |           |           |           |           |           |           |
| 1             |           |           | CAP744894 | CAP745154 | CAP745414 | CAP745674 |           |           |           |           |           |
| 1 1/4         |           |           |           | CAP745164 | CAP745424 | CAP745684 | CAP745944 |           |           |           |           |
| 1 1/2         |           |           |           |           | CAP745434 | CAP745694 | CAP745954 | CAP746214 |           |           |           |
| 2             |           |           |           |           | CAP745444 | CAP745704 | CAP745964 | CAP746224 | CAP746484 |           |           |
| 2 1/2         |           |           |           |           |           |           | CAP745974 | CAP745974 | CAP746494 | CAP746754 |           |
| 3             |           |           |           |           |           |           |           | CAP746244 | CAP746234 |           |           |
| 3 1/2         |           |           |           |           |           |           |           |           | CAP745654 | CAP745664 |           |
| 4             |           |           |           |           |           |           |           |           |           | CAP746834 | CAP745734 |

| FEMALE =====> |           |           |           |           |           |           |           |           |           |     |      |
|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|------|
| MALE          | M12       | M16       | M20       | M25       | M32       | M40       | M50       | M63       | M75       | M90 | M110 |
| 1/4           | CAP740614 | CAP740624 |           |           |           |           |           |           |           |     |      |
| 3/8           | CAP740884 | CAP740894 | CAP740904 |           |           |           |           |           |           |     |      |
| 1/2           | CAP740914 | CAP740194 | CAP740454 | CAP740174 |           |           |           |           |           |     |      |
| 3/4           |           | CAP740204 | CAP740464 | CAP740724 | CAP740984 |           |           |           |           |     |      |
| 1             |           |           | CAP740474 | CAP740734 | CAP740994 | CAP741254 |           |           |           |     |      |
| 1 1/4         |           |           |           | CAP740744 | CAP741004 | CAP741264 | CAP741524 |           |           |     |      |
| 1 1/2         |           |           |           |           | CAP741104 | CAP741274 | CAP741534 | CAP741794 |           |     |      |
| 2             |           |           |           |           |           | CAP741284 | CAP741544 | CA0741804 | CAP742064 |     |      |
| 2 1/2         |           |           |           |           |           |           | CAP741554 | CAP741814 |           |     |      |
| 3             |           |           |           |           |           |           |           | CAP741824 | CAP742384 |     |      |
| 3 1/2         |           |           |           |           |           |           |           |           |           |     |      |
| 4             |           |           |           |           |           |           |           |           |           |     |      |

# Technical table Reducers / Adaptors



ISO

## METRIC / METRIC

| M   | F   | CODE       | TYPE | A   | D    | L    | E    |
|-----|-----|------------|------|-----|------|------|------|
| 12  | 16  | CAP 745334 | 1    | 18  | 7.7  | 7    | 15   |
| 16  | 12  | CAP 745834 | 2    | 18  | 2.8  | 18.5 | 15   |
| 16  | 20  | CAP 740274 | 1    | 23  | 11.7 | 18.5 | 15   |
| 20  | 12  | CAP 745844 | 2    | 23  | -    | 3    | 15   |
| 20  | 16  | CAP 740024 | 2    | 23  | -    | 3    | 15   |
| 20  | 25  | CAP 740544 | 1    | 28  | 15.5 | 18.5 | 15   |
| 25  | 16  | CAP 740034 | 2    | 28  | -    | 3    | 15   |
| 25  | 20  | CAP 740294 | 2    | 28  | -    | 3    | 15   |
| 25  | 32  | CAP 740814 | 1    | 36  | 20.3 | 19   | 15   |
| 32  | 20  | CAP 740304 | 2    | 36  | -    | 3.5  | 15   |
| 32  | 25  | CAP 740564 | 2    | 36  | -    | 3.5  | 15   |
| 32  | 40  | CAP 741084 | 1    | 44  | 27.3 | 19   | 15   |
| 40  | 25  | CAP 740574 | 2    | 44  | -    | 4    | 15   |
| 40  | 32  | CAP 740834 | 2    | 44  | -    | 4    | 15   |
| 40  | 50  | CAP 741354 | 1    | 54  | 35.3 | 20   | 15   |
| 50  | 32  | CAP 740844 | 2    | 54  | -    | 5    | 16   |
| 50  | 40  | CAP 741104 | 2    | 54  | -    | 5    | 16   |
| 50  | 63  | CAP 741624 | 1    | 67  | 45.2 | 21   | 16   |
| 63  | 40  | CAP 741114 | 2    | 67  | -    | 5.5  | 17   |
| 63  | 50  | CAP 741374 | 2    | 67  | -    | 5.5  | 17   |
| 63  | 75  | CAP 741894 | 1    | 80  | 57.8 | 22.5 | 17   |
| 75  | 32  | CAP 740864 | 2    | 80  | -    | 6    | 18   |
| 75  | 40  | CAP 741124 | 2    | 80  | -    | 6    | 18   |
| 75  | 50  | CAP 741384 | 2    | 80  | -    | 6    | 18   |
| 75  | 63  | CAP 741644 | 2    | 80  | -    | 6    | 18   |
| 75  | 90  | CAP 745394 | 1    | 95  | 69.3 | 27.5 | 18   |
| 90  | 63  | CAP 745854 | 2    | 95  | -    | 8    | 22   |
| 90  | 75  | CAP 745864 | 2    | 95  | -    | 8    | 22   |
| 90  | 100 | CAP 745484 | 1    | 110 | 83.2 | 22   | 27.5 |
| 100 | 75  | CAP 745874 | 2    | 110 | -    | 10   | 22   |
| 100 | 90  | CAP 745914 | 2    | 120 | -    | 10   | 22   |
| 100 | 110 | CAP 745554 | 1    | 120 | 92.9 | 28   | 22   |
| 110 | 90  | CAP 745924 | 2    | 120 | -    | 11   | 22   |
| 110 | 100 | CAP 745934 | 2    | 120 | -    | 11   | 22   |

NPT

## NPT/NPT

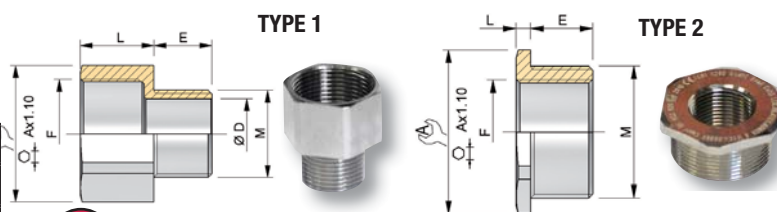
| M      | F      | CODE       | TYPE | A   | D    | L    | E  |
|--------|--------|------------|------|-----|------|------|----|
| 1/4"   | 3/8"   | CAP 744584 | 1    | 20  | 8.3  | 14   | 12 |
| 3/8"   | 1/4"   | CAP 745574 | 2    | 18  | -    | 2.8  | 12 |
| 3/8"   | 1/2"   | CAP 744624 | 1    | 24  | 11.7 | 18   | 12 |
| 1/2"   | 1/4"   | CAP 745584 | 2    | 22  | -    | 3    | 16 |
| 1/2"   | 3/8"   | CAP 745594 | 2    | 22  | -    | 3    | 16 |
| 1/2"   | 3/4"   | CAP 745134 | 1    | 30  | 15   | 18.5 | 16 |
| 3/4"   | 3/8"   | CAP 745604 | 2    | 28  | -    | 3    | 16 |
| 3/4"   | 1/2"   | CAP 744884 | 2    | 28  | -    | 3    | 16 |
| 3/4"   | 1"     | CAP 745404 | 1    | 38  | 20.1 | 22.5 | 16 |
| 1"     | 1/2"   | CAP 744894 | 2    | 36  | -    | 3.5  | 20 |
| 1"     | 3/4"   | CAP 745154 | 2    | 36  | -    | 3.5  | 20 |
| 1"     | 1 1/4" | CAP 745674 | 1    | 48  | 26   | 22.5 | 20 |
| 1 1/4" | 3/4"   | CAP 745164 | 2    | 44  | -    | 4    | 20 |
| 1 1/4" | 1"     | CAP 745424 | 2    | 44  | -    | 4    | 20 |
| 1 1/4" | 1 1/2" | CAP 745944 | 1    | 52  | 34.8 | 22.5 | 20 |
| 1 1/2" | 1"     | CAP 745434 | 2    | 50  | -    | 5    | 20 |
| 1 1/2" | 1 1/4" | CAP 745694 | 2    | 50  | -    | 5    | 20 |
| 1 1/2" | 2"     | CAP 746214 | 1    | 64  | 40.8 | 22.5 | 20 |
| 2"     | 1"     | CAP 745444 | 2    | 64  | -    | 5.5  | 20 |
| 2"     | 1 1/4" | CAP 745704 | 2    | 64  | -    | 5.5  | 20 |
| 2"     | 1 1/2" | CAP 745964 | 2    | 64  | -    | 5.5  | 20 |
| 2"     | 2 1/2" | CAP 746484 | 1    | 77  | 52.4 | 31   | 20 |
| 2 1/2" | 1 1/2" | CAP 745974 | 2    | 75  | -    | 6    | 28 |
| 2 1/2" | 2"     | CAP 746234 | 2    | 75  | -    | 6    | 28 |
| 2 1/2" | 3"     | CAP 746754 | 1    | 95  | 62.8 | 33.5 | 28 |
| 3"     | 2"     | CAP 746244 | 2    | 90  | -    | 8    | 30 |
| 3"     | 2 1/2" | CAP 746504 | 2    | 90  | -    | 8    | 30 |
| 3"     | 3 1/2" | CAP 744634 | 1    | 110 | 78   | 35.5 | 30 |
| 3 1/2" | 2 1/2" | CAP 745654 | 2    | 110 | -    | 10   | 32 |
| 3 1/2" | 3"     | CAP 745664 | 2    | 110 | -    | 10   | 32 |
| 3 1/2" | 4"     | CAP 744654 | 1    | 125 | 90.4 | 38   | 32 |
| 4"     | 3"     | CAP 746834 | 2    | 120 | -    | 11   | 32 |
| 4"     | 3 1/2" | CAP 745734 | 2    | 120 | -    | 11   | 32 |

# Technical table Reducers / Adaptors

ISO

## METRIC/NPT

| M   | F      | CODE       | TYPE | A   | D    | L    | E  |
|-----|--------|------------|------|-----|------|------|----|
| 12  | 1/4"   | CAP 744104 | 1    | 16  | 7.7  | 14   | 15 |
| 16  | 1/4"   | CAP 744184 | 1    | 18  | 10.4 | 14   | 15 |
| 16  | 3/8"   | CAP 744194 | 1    | 20  | 11.7 | 14   | 15 |
| 16  | 1/2"   | CAP 744694 | 1    | 24  | 11.7 | 18   | 15 |
| 20  | 1/4"   | CAP 744204 | 2    | 23  | -    | 3    | 15 |
| 20  | 3/8"   | CAP 744214 | 2    | 23  | -    | 3    | 15 |
| 20  | 1/2"   | CAP 744704 | 1    | 24  | 15.5 | 18   | 15 |
| 20  | 3/4"   | CAP 744964 | 1    | 30  | 15.5 | 18.5 | 15 |
| 25  | 3/8"   | CAP 742954 | 2    | 28  | -    | 3    | 15 |
| 25  | 1/2"   | CAP 744714 | 2    | 28  | -    | 3    | 15 |
| 25  | 3/4"   | CAP 744974 | 1    | 30  | 20.3 | 18.5 | 15 |
| 25  | 1"     | CAP 745234 | 1    | 38  | 20.3 | 22.5 | 15 |
| 32  | 1/2"   | CAP 744724 | 2    | 36  | -    | 3.5  | 15 |
| 32  | 3/4"   | CAP 744984 | 2    | 36  | -    | 3.5  | 15 |
| 32  | 1"     | CAP 745244 | 1    | 38  | 27.3 | 22.5 | 15 |
| 32  | 1 1/4" | CAP 745504 | 1    | 48  | 27.3 | 22.5 | 15 |
| 40  | 3/4"   | CAP 744994 | 2    | 44  | -    | 4    | 15 |
| 40  | 1"     | CAP 745254 | 2    | 44  | -    | 4    | 15 |
| 40  | 1 1/4" | CAP 745514 | 1    | 48  | 35.3 | 22.5 | 15 |
| 40  | 1 1/2" | CAP 745774 | 1    | 52  | 35.3 | 22.5 | 15 |
| 50  | 1"     | CAP 745264 | 2    | 54  | -    | 5    | 16 |
| 50  | 1 1/4" | CAP 745524 | 2    | 54  | -    | 5    | 16 |
| 50  | 1 1/2" | CAP 745784 | 2    | 54  | 41.7 | 12.5 | 16 |
| 50  | 2"     | CAP 746044 | 1    | 64  | 45.2 | 22.5 | 16 |
| 63  | 1"     | CAP 745274 | 1    | 67  | 45.2 | 21   | 16 |
| 63  | 1 1/4" | CAP 745534 | 2    | 67  | -    | 5.5  | 17 |
| 63  | 1 1/2" | CAP 745794 | 2    | 67  | -    | 5.5  | 17 |
| 63  | 2"     | CAP 746054 | 1    | 67  | 53.6 | 22.5 | 17 |
| 63  | 2 1/2" | CAP 746314 | 1    | 77  | 57.8 | 31   | 17 |
| 75  | 1 1/2" | CAP 745804 | 2    | 80  | -    | 6    | 18 |
| 75  | 2"     | CAP 746064 | 2    | 80  | -    | 6    | 18 |
| 75  | 2 1/2" | CAP 746324 | 1    | 80  | -    | 6    | 18 |
| 75  | 3"     | CAP 746584 | 1    | 95  | 69.3 | 33.5 | 18 |
| 90  | 2"     | CAP 744284 | 2    | 80  | 57.8 | 22.5 | 18 |
| 90  | 2 1/2" | CAP 744294 | 2    | 95  | 57.8 | 27.5 | 18 |
| 90  | 3"     | CAP 744304 | 1    | 95  | -    | 8    | 22 |
| 90  | 3 1/2" | CAP 744314 | 1    | 95  | 79.5 | 33.5 | 22 |
|     | 2 1/2" | CAP 743134 | 2    | 95  | 83.2 | 27.5 | 22 |
| 100 | 3"     | CAP 746034 | 2    | 110 | 83.2 | 27.5 | 22 |
|     | 3 1/2" | CAP 744434 | 1    | 110 | -    | 10   | 22 |
| 100 | 4"     | CAP 744444 | 1    | 110 | -    | 10   | 22 |
| 110 | 3"     | CAP 744514 | 2    | 110 | 92.9 | 27.5 | 22 |
|     | 3 1/2" | CAP 744524 | 2    | 120 | 92.9 | 28   | 22 |
| 110 | 4"     | CAP 744534 | 1    | 120 | -    | 11   | 22 |



NPT

## NPT/ METRIC

| M      | F   | CODE       | TYPE | A   | D    | L    | E  |
|--------|-----|------------|------|-----|------|------|----|
| 1/4"   | 12  | CAP 740614 | 1    | 14  | 8.3  | 18.5 | 12 |
| 1/4"   | 16  | CAP 740624 | 1    | 18  | 8.3  | 18.5 | 12 |
| 3/8"   | 12  | CAP 740884 | 2    | 18  | -    | 2.8  | 12 |
| 3/8"   | 16  | CAP 740894 | 1    | 18  | 11.7 | 18.5 | 12 |
| 3/8"   | 20  | CAP 740904 | 1    | 23  | 11.7 | 18.5 | 12 |
| 1/2"   | 12  | CAP 740914 | 2    | 22  | -    | 3    | 16 |
| 1/2"   | 16  | CAP 740194 | 2    | 22  | -    | 3    | 16 |
| 1/2"   | 20  | CAP 740454 | 1    | 23  | 15   | 18.5 | 16 |
| 1/2"   | 25  | CAP 740714 | 1    | 28  | 15   | 19   | 16 |
| 3/4"   | 16  | CAP 740204 | 2    | 28  | -    | 3    | 16 |
| 3/4"   | 20  | CAP 740464 | 2    | 28  | -    | 3    | 16 |
| 3/4"   | 25  | CAP 740724 | 1    | 28  | 20.1 | 19   | 16 |
| 3/4"   | 32  | CAP 740984 | 1    | 36  | 20.1 | 19   | 16 |
| 1"     | 20  | CAP 740474 | 2    | 36  | -    | 3.5  | 20 |
| 1"     | 25  | CAP 740734 | 2    | 36  | -    | 3.5  | 20 |
| 1"     | 32  | CAP 740994 | 1    | 36  | 26   | 19   | 20 |
| 1"     | 40  | CAP 741254 | 1    | 44  | 26   | 19   | 20 |
| 1 1/4" | 25  | CAP 740744 | 2    | 44  | -    | 4    | 20 |
| 1 1/4" | 32  | CAP 741004 | 2    | 44  | -    | 4    | 20 |
| 1 1/4" | 40  | CAP 741264 | 1    | 44  | 34.8 | 19   | 20 |
| 1 1/4" | 50  | CAP 741524 | 1    | 54  | 34.8 | 20   | 20 |
| 1 1/2" | 32  | CAP 741014 | 2    | 50  | -    | 5    | 20 |
| 1 1/2" | 40  | CAP 741274 | 2    | 50  | -    | 5    | 20 |
| 1 1/2" | 50  | CAP 741534 | 1    | 54  | 40.8 | 20   | 20 |
| 1 1/2" | 63  | CAP 741794 | 1    | 67  | 40.8 | 21   | 20 |
| 2"     | 40  | CAP 741284 | 2    | 64  | -    | 5.5  | 20 |
| 2"     | 50  | CAP 741544 | 2    | 64  | -    | 5.5  | 20 |
| 2"     | 63  | CAP 741804 | 1    | 67  | 52.4 | 21   | 20 |
| 2"     | 75  | CAP 742064 | 1    | 80  | 52.4 | 22.5 | 20 |
| 2 1/2" | 50  | CAP 741554 | 2    | 75  | -    | 6    | 28 |
| 2 1/2" | 63  | CAP 741814 | 2    | 75  | -    | 6    | 28 |
| 2 1/2" | 75  | CAP 742074 | 1    | 80  | 62.8 | 22.5 | 28 |
| 2 1/2" | 90  | CAP 741154 | 1    | 95  | 62.8 | 27.5 | 28 |
| 3"     | 63  | CAP 741824 | 2    | 90  | -    | 8    | 30 |
| 3"     | 75  | CAP 742084 | 2    | 90  | -    | 8    | 30 |
| 3"     | 90  | CAP 741244 | 1    | 95  | 78   | 27.5 | 30 |
| 3"     | 100 | CAP 741314 | 1    | 110 | 78   | 27.5 | 30 |
| 3 1/2" | 75  | CAP 741434 | 2    | 110 | -    | 10   | 32 |
| 3 1/2" | 90  | CAP 741444 | 2    | 110 | -    | 10   | 32 |
| 3 1/2" | 100 | CAP 741454 | 1    | 110 | 90.4 | 27.5 | 32 |
| 3 1/2" | 110 | CAP 741494 | 1    | 120 | 90.4 | 28   | 32 |

# Accessories

GASKET - material: fiber

ISO

METRIC SELECTION TABLE

| THREAD SIZE | reference  | D   | e   |
|-------------|------------|-----|-----|
| 10          | CAP 221045 | 15  | 1.2 |
| 12          | CAP 221245 | 18  | 1.2 |
| 16          | CAP 221645 | 22  | 1.2 |
| 20          | CAP 222045 | 27  | 1.2 |
| 25          | CAP 222545 | 35  | 1.5 |
| 32          | CAP 223245 | 43  | 1.5 |
| 40          | CAP 224045 | 55  | 1.5 |
| 50          | CAP 225045 | 69  | 1.5 |
| 63          | CAP 226345 | 82  | 2   |
| 75          | CAP 227545 | 94  | 2   |
| 90          | CAP 229045 | 110 | 2   |
| 110         | CAP 221145 | 130 | 2   |

GASKET - material: fiber

NPT

NPT SELECTION TABLE

| THREAD SIZE | reference | D   | e   |
|-------------|-----------|-----|-----|
| 1/4"        | CAP239014 | 18  | 1.5 |
| 3/8"        | CAP239038 | 22  | 1.5 |
| 1/2"        | CAP239012 | 31  | 1.5 |
| 3/4"        | CAP239034 | 35  | 1.5 |
| 1"          | CAP239010 | 43  | 1.5 |
| 1 1/4"      | CAP239114 | 59  | 1.5 |
| 1 1/2"      | CAP239112 | 69  | 1.5 |
| 2"          | CAP239020 | 79  | 2   |
| 2 1/2"      | CAP239212 | 94  | 2   |
| 3"          | CAP239300 | 110 | 2   |
| 3 1/2"      | CAP239312 | 119 | 2   |
| 4"          | CAP239414 | 130 | 2   |



GASKET - material: neoprene

ISO

METRIC SELECTION TABLE

| THREAD SIZE | reference | D    | e   |
|-------------|-----------|------|-----|
| 10          | CAP221049 | 15.0 | 1.2 |
| 12          | CAP221249 | 18.0 | 1.2 |
| 16          | CAP221649 | 22.0 | 1.2 |
| 20          | CAP222049 | 24.0 | 1.2 |
| 25          | CAP222549 | 30.0 | 1.5 |
| 32          | CAP223249 | 42.0 | 1.5 |
| 40          | CAP224049 | 52.0 | 1.5 |
| 50          | CAP225049 | 63.0 | 1.5 |
| 63          | CAP226349 | 77.0 | 2.0 |
| 75          | CAP227549 | 90   | 2.0 |
| 90          | CAP229049 | 106  | 2.0 |
| 110         | CAP221149 | 126  | 2.0 |

GASKET - material: neoprene

NPT

NPT SELECTION TABLE

| THREAD SIZE | reference | D     | E   |
|-------------|-----------|-------|-----|
| 1/4"        | CAP229014 | 20.0  | 1.5 |
| 3/8"        | CAP229038 | 22.0  | 1.5 |
| 1/2"        | CAP229012 | 27.0  | 1.5 |
| 3/4"        | CAP229034 | 33.0  | 1.5 |
| 1"          | CAP229010 | 41.0  | 1.5 |
| 1-1/4"      | CAP229114 | 52.0  | 1.5 |
| 1-1/2"      | CAP229112 | 57.0  | 1.5 |
| 2"          | CAP229020 | 71.0  | 2.0 |
| 2-1/2"      | CAP229212 | 85.0  | 2.0 |
| 3"          | CAP229300 | 104.0 | 2.0 |
| 3-1/2"      | CAP229312 | 120.0 | 2.0 |
| 4"          | CAP229414 | 130   | .02 |



SERRATED WASHER - material: galvanized steel

| Metric | External diameter | reference |
|--------|-------------------|-----------|
| 16     | 25.5              | CAP280016 |
| 20     | 32.5              | CAP280020 |
| 25     | 39.5              | CAP280225 |
| 32     | 49.5              | CAP280332 |
| 40     | 64.5              | CAP280440 |
| 50     | 80.5              | CAP280550 |
| 63     | 100               | CAP280663 |
| 75     | 112               | CAP280775 |
| 90     | 123               | CAP280090 |

SERRATED WASHER - material: stainless steel 304L

| Metric | External diameter | reference |
|--------|-------------------|-----------|
| 16     | 25.5              | CAP280069 |
| 20     | 32.5              | CAP280029 |
| 25     | 39.5              | CAP280259 |
| 32     | 49.5              | CAP280329 |
| 40     | 64.5              | CAP280409 |
| 50     | 80.5              | CAP280509 |
| 63     | 100               | CAP280639 |
| 75     | 112               | CAP280759 |
| 90     | 123               | CAP280099 |

SHROUD - material: PVC

SELECTION TABLE

| Size ADE | Diameter A | reference |
|----------|------------|-----------|
| 4        | 16         | CAP506040 |
| 5        | 20         | CAP506050 |
| 6        | 25         | CAP506060 |
| 7        | 31         | CAP506070 |
| 8        | 43         | CAP506080 |
| 9        | 52         | CAP506090 |
| 10       | 59         | CAP506100 |
| 11       | 67         | CAP506110 |
| 12       | 75         | CAP506120 |
| 13       | 90         | CAP506130 |
| 14       | 100        | CAP506140 |
| 15       | 116        | CAP506150 |
| 16       | 127        | CAP506160 |

