


DRG. No.
PCG/ATX/CE

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REPORT ALL ERRORS AND ALTERATIONS.

THIRD ANGLE PROJECTION

MARKING

1. EXAMPLES OF MARKING ON BAND: -
PEPPERS GU15 3BT UK  II 1D 2G
C1WBE 20S M20 CML 19ATEX1106X
Exeb IIC Gb / Ex ta IIIC Da
IECEx CML 19.0031X IP66

2. SPECIAL MARKS: -

Marking and other information may be present on the gland or packaging in accordance with document PCG/ATX/PEXMP.

DRAWN RJW

DATE 23/08/2012

CHECKED

APPROVED

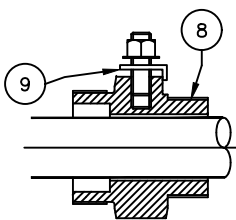
CAD REF

SCALE N.T.S

ISSUE

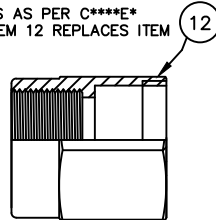
1. Original
2. 08/06/17 Protection Concepts updated. H Sizes & Inner Sheath detail added. 20S Outer seal size corrected. Note f added. Standard Entry Thread column added.
3. 12/07/18 "U" clamping option introduced. Note g added. Marking amended.
4. 07/11/19 CF & CM options added. Title changed.

1 VARIATION FOR IE GLAND OPTION



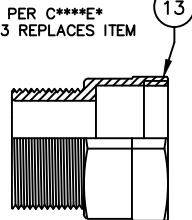
2 VARIATION FOR CODE C**CF**E GLANDS

ALL PARTS AS PER C****E* EXCEPT ITEM 12 REPLACES ITEM 7



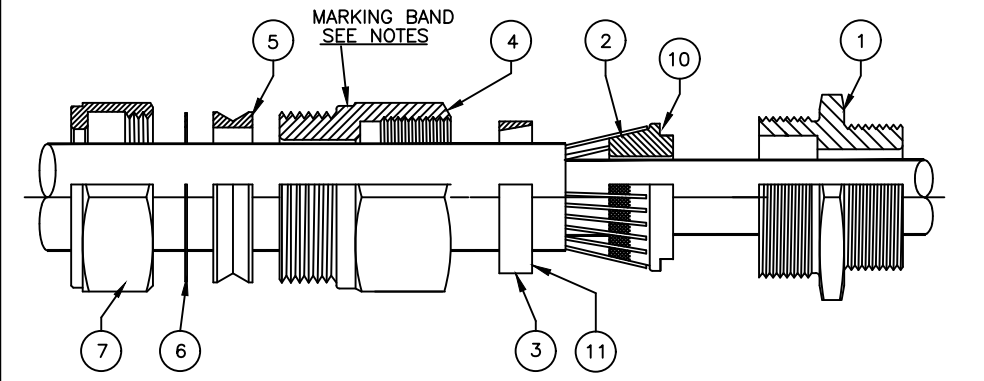
3 VARIATION FOR CODE C**CM**E GLANDS

ALL PARTS AS PER C****E* EXCEPT ITEM 13 REPLACES ITEM 7

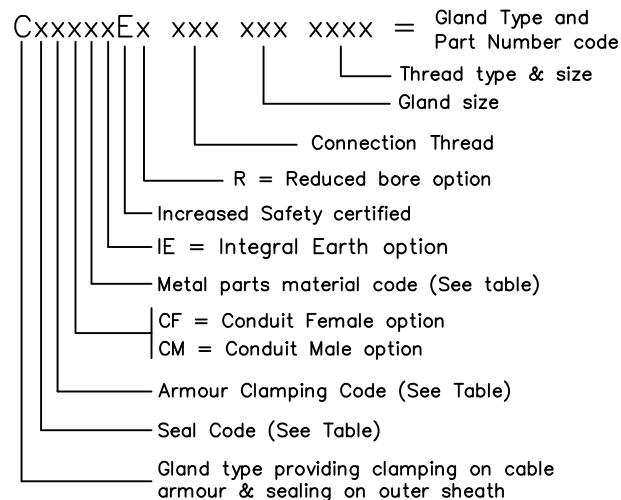


PARTS LIST & CERTIFICATE CROSS-REFERENCE


| Balloon Ref | Part Description | Drawing Number | Alternate Drawing Number | Other Certificate Nos. used on | Other Certificate Nos. used on |
|-------------|---------------------------|----------------|--------------------------|--------------------------------|--------------------------------|
| 1 | ENTRY BODY | PCG/ATX/1M | PCG/ATX/1MT | SIRA 01ATEX1270X | --- |
| 2 | CONE | PCG/ATX/3M | --- | SIRA 01ATEX1270X | --- |
| 3 | CLAMP RING | PCG/ATX/10M | --- | SIRA 01ATEX1270X | --- |
| 4 | MIDDLE CAP | PCG/ATX/5M | --- | --- | --- |
| 5 | SEAL | PCG/ATX/2M | --- | BAS 01ATEX2271X | SIRA 03ATEX1479X |
| 6 | SKID WASHER | PCG/ATX/11M | --- | BAS 01ATEX2271X | SIRA 03ATEX1479X |
| 7 | OUTER CAP | PCG/ATX/6M | --- | BAS 01ATEX2271X | SIRA 03ATEX1479X |
| 8 | ENTRY BODY INTEGRAL EARTH | PCG/ATX/1MIE | --- | --- | --- |
| 9 | INTEGRAL EARTH CLAMP | PCG/ATX/16M | --- | --- | --- |
| 10 | UNIVERSAL CONE | PCG/ATX/3MU | --- | --- | --- |
| 11 | UNIVERSAL CLAMP RING | PCG/ATX/10MU | --- | --- | --- |
| 12 | FEMALE CONNECTOR CAP | PCG/ATX/6CF | --- | --- | --- |
| 13 | MALE CONNECTOR CAP | PCG/ATX/6CM | --- | --- | --- |



GLAND TYPE NUMBERING



X-REFS: -

 PEPPERS CABLE GLANDS LIMITED
STANHOPE ROAD, CAMBERLEY, SURREY, UK.
TEL +44 (0)1276 64232, FAX +44 (0)1276 691752

TITLE ATEX RANGE
CABLE GLANDS FOR ARMoured CABLE
C****E* FAMILY
Sheet 1 of 2

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DRG. No.
PCG/ATX/CE
ISSUE 4

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THIRD ANGLE PROJECTION

DRAWN RJW
DATE 23/08/2012
CHECKED
APPROVED
CAD REF
SCALE N.T.S
ISSUE
1. Original
2. 08/06/17 Protection Concepts updated. H Sizes & Inner Sheath detail added. 20S Outer seal size corrected. Note f added. Standard Entry Thread column added.
3. 12/07/18 "U" clamping option introduced. Note g added. Marking amended.
4. 07/11/19 CF & CM options added. Title changed.

OPTIONS & PART NUMBERS

| SEAL CODES, PART NOS., MATERIALS & TEMPERATURES | | | |
|---|-----------------------|---------------|---------------------------|
| Code | SEAL PART NUMBERS (a) | | TEMPERATURE RANGE |
| | INNER | OUTER | |
| 1 | -- | 2MO | -35°C to +90°C Operating |
| 3 | -- | 2MOS or 2MOZS | -60°C to +180°C Operating |

| ARMOUR CLAMPING CODES, PART NOS. & CABLE ARMOUR TYPES | | | |
|---|-----------------------|------|---------------------------|
| Code | CLAMPING PART NUMBERS | | CABLE ARMOUR TYPE |
| | CLAMP | CONE | |
| W | 10MW | 3M | WIRE ARMOUR |
| X | 10XX | 3MX | BRAID & TAPE |
| U | 10MU | 3MU | WIRE ARMOUR, BRAID & TAPE |

| METAL PARTS MATERIAL CODES | |
|----------------------------|-----------------|
| Code | Material |
| A | ALUMINIUM |
| B | BRASS |
| S | STAINLESS STEEL |

| CODES FOR OTHER OPTIONS | |
|-------------------------|---|
| Code | MEANING |
| IE | USES INTEGRAL EARTH BODY PART 1MIE |
| R | REDUCED BORE OPTION - 2MO/2MOS SEAL IS REPLACED WITH 2MOZS SEAL |
| CF | USES FEMALE CONDUIT CONNECTION PART 6CF |
| CM | USES MALE CONDUIT CONNECTION PART 6CM |


| NOTES | |
|-------|---|
| a | Neoprene seal are coloured black (part 2MO). Silicone seals are coloured white (part 2MOS) or red (2MOZS). |
| b | Optional Nitrile O-rings part OR are used with code 1 & 2 glands. Optional Silicone O-rings part OR are used with code 3 & glands. |
| c | Stainless Steel glands may have marking electrochemically etched. |
| d | Plating maybe be applied to any or all main gland body components. Maximum thickness of plating is 0.008mm. |
| e | Glands manufactured in aluminium may be assembled with an anti-seize compound applied to the threads to prevent galling. |
| | <u>Special uses for this gland:-</u> Provided the cable is rigidly restrained close to the entry, (1) Braid or screen may be clamped in the armour clamp (2) Braid/screen/armour may be passed through the gland for clamping inside the terminating equipment |
| f | For alternative threads and trade sizes refer to drawing PCG/ETDMV |
| g | 'U' clamping code available in brass and stainless steel materials only. |

| GLAND SIZE | STANDARD ENTRY THREAD | | MAX INNER SHEATH | OUTER SHEATH REDUCED BORE | | | |
|------------|-----------------------|------------|------------------|---------------------------|-------|------|------|
| | Metric | NPT | | MIN | MAX | MIN | MAX |
| 16 | M16 | 3/8" NPT | 8.4 | 8.4 | 13.5 | 4.9 | 10.0 |
| 20S | M20 | 1/2" NPT | 11.7 | 11.5 | 16.0 | 9.4 | 12.5 |
| 20 | M20 | 1/2" NPT | 14.0 | 15.5 | 21.1 | 12.0 | 17.6 |
| 25 | M25 | 3/4" NPT | 20.0 | 20.3 | 27.4 | 16.8 | 23.9 |
| 32 | M32 | 1" NPT | 26.3 | 26.7 | 34.0 | 23.2 | 30.5 |
| 40 | M40 | 1 1/4" NPT | 32.2 | 33.0 | 40.6 | 28.6 | 36.2 |
| 50S | M50 | 1 1/2" NPT | 38.2 | 39.4 | 46.7 | 34.8 | 42.4 |
| 50H | M50 | 1 1/2" NPT | 38.2 | 45.7 | 53.2 | 41.1 | 48.5 |
| 50 | M50 | 2" NPT | 44.1 | 45.7 | 53.2 | 41.1 | 48.5 |
| 63S | M63 | 2" NPT | 50.1 | 52.1 | 59.5 | 47.5 | 54.8 |
| 63H | M63 | 2" NPT | 50.1 | 58.4 | 65.8 | 53.8 | 61.2 |
| 63 | M63 | 2 1/2" NPT | 56.0 | 58.4 | 65.8 | 53.8 | 61.2 |
| 75S | M75 | 2 1/2" NPT | 62.0 | 64.8 | 72.2 | 60.2 | 68.0 |
| 75H | M75 | 2 1/2" NPT | 62.0 | 71.1 | 78.0 | 66.5 | 73.4 |
| 75 | M75 | 3" NPT | 68.0 | 71.1 | 78.0 | 66.5 | 73.4 |
| 80 | M80 | 3" NPT | 72.0 | 77.0 | 84.0 | 71.9 | 79.4 |
| 80H | M80 | 3" NPT | 72.0 | 79.6 | 90.0 | 75.0 | 85.4 |
| 85 | M85 | 3" NPT | 78.0 | 79.6 | 90.0 | 75.0 | 85.4 |
| 90 | M90 | 3 1/2" NPT | 84.0 | 88.0 | 96.0 | 82.0 | 91.4 |
| 90H | M90 | 3 1/2" NPT | 84.0 | 92.0 | 102.0 | 87.4 | 97.4 |
| 100 | M100 | 3 1/2" NPT | 90.0 | 92.0 | 102.0 | 87.4 | 97.4 |

| GLAND SIZE | ARMOUR CLAMPING RANGES | | | | | |
|------------|------------------------|--------------|-------------|--------------|-------------|--------------|
| | W | | X | | U | |
| | Wire Armour | Braid & Tape | Wire Armour | Braid & Tape | Wire Armour | Braid & Tape |
| 16 | 0.9 | 0.15/0.35 | 0.8/1.25 | 0.2/0.8 | | |
| 20S | 0.9/1.25 | 0.15/0.35 | 0.8/1.25 | 0.2/0.8 | | |
| 20 | 0.9/1.25 | 0.15/0.50 | 0.8/1.25 | 0.2/0.8 | | |
| 25 | 1.25/1.6 | 0.15/0.50 | 1.25/1.6 | 0.2/0.8 | | |
| 32 | 1.6/2.0 | 0.15/0.55 | 1.6/2.0 | 0.3/1.2 | | |
| 40 | 1.6/2.0 | 0.2/0.6 | 1.6/2.0 | 0.3/1.2 | | |
| 50S | 2.0/2.5 | 0.2/0.6 | 2.0/2.5 | 0.3/1.6 | | |
| 50H (d) | 2.0/2.5 | 0.2/0.6 | 2.0/2.5 | 0.3/1.6 | | |
| 50 | 2.0/2.5 | 0.3/0.8 | 2.0/2.5 | 0.3/1.6 | | |
| 63S | 2.5 | 0.3/0.8 | 2.0/2.5 | 0.3/1.6 | | |
| 63H (d) | 2.5 | 0.3/0.8 | 2.0/2.5 | 0.3/1.6 | | |
| 63 | 2.5 | 0.3/0.8 | 2.0/2.5 | 0.3/1.6 | | |
| 75S | 2.5 | 0.3/1.0 | 2.0/2.5 | 0.5/1.6 | | |
| 75H (d) | 2.5 | 0.3/1.0 | 2.0/2.5 | 0.5/1.6 | | |
| 75 | 2.5 | 0.3/1.0 | 2.0/2.5 | 0.5/1.6 | | |
| 80 | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |
| 80H (d) | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |
| 85 | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |
| 90 | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |
| 90H (d) | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |
| 100 | 3.15 | 0.45/1.0 | 3.15/4.0 | 0.5/1.6 | | |

*X' minimums stated for 'U' ranges are for double layer braid and single layer tape

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C*****E* FAMILY Sheet 2 of 2

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