


DRG. No.  
PCG/ATX/CR

DO NOT SCALE OFF DRAWING "IF IN DOUBT ASK".  
REPORT ALL ERRORS AND ALTERATIONS.


THIRD ANGLE PROJECTION

**MARKING**

1. EXAMPLE OF MARKING ON BAND:-

PEPPERS GU15 3BT UK  II 1D II 2G  
CR-1B 20S M20 BAS 01ATEX2271X  
Exdb IIC Gb / Exeb IIC Gb / Ex ta IIIC Da  
IECEx SIR 07.0099X IP66 IP68

2. SPECIAL MARKS:-

 II 3GD Ex nR II  
SIRA 09ATEX1221X

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

DRAWN ASC

DATE xx/xx/12

CHECKED

APPROVED

CAD REF PCGATXCR

SCALE N.T.S

ISSUE

1. Original

2. Markings, inner sheath minima and title revised. Note (d) Special uses, balloon refs & parts list added

3. Lead continuity version added

4. Marking updated to comply with latest 60079 Series & to include ExTD marking.

5. 23/07/09 Updated to include Ex nR II marking.

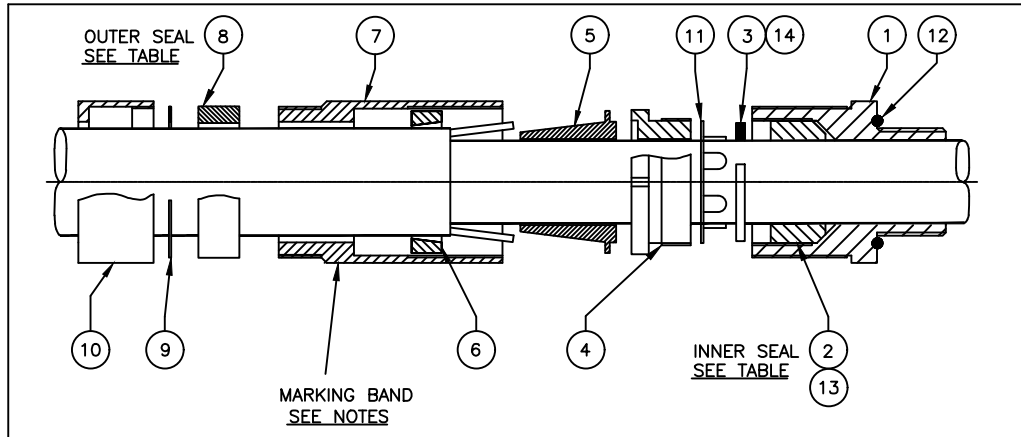
6. 02/09/09 Updated to correct 82N and 82V seal information details and to correct skid washer drawings for gland assembly.

7. 11/12/11 Updated to include size 110 gland..

8. 23/08/12 Marking updated. H sizes added. Options and notes clarified. Now 2 page drawing. Size 20s outer seal min range corrected.

9. 28/02/2017 Size 16 Min outer sealing range corrected. Size 16H & Note K added. Marking updated. Standard Entry Thread column added. Note I added.

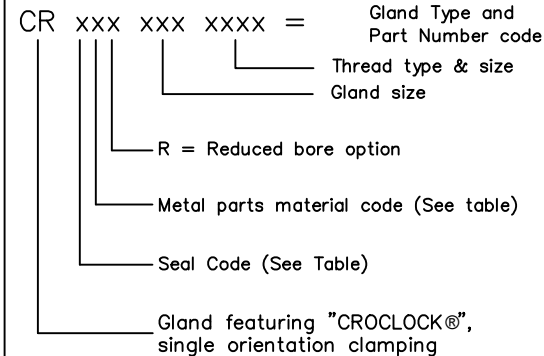
X-REFS:-



**PARTS LIST & CERTIFICATE CROSS-REFERENCE**

Balloon Ref	Part Description	Drawing Number	Alternate Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/1V	PCG/ATX/1VT	---	---	---
2	INNER SEAL	PCG/ATX/82N	---	SIRA 01ATEX1272X	SIRA 03ATEX1479X	---
3	INNER SKID WASHER	PCG/ATX/91A	---	SIRA 01ATEX1272X	SIRA 03ATEX1479X	---
4	COMPRESSION NUT	PCG/ATX/8V	---	---	---	---
5	CONE	PCG/ATX/3V	---	---	---	---
6	CLAMP RING	PCG/ATX/10V	---	SIRA 03ATEX1479X	---	---
7	MIDDLE CAP	PCG/ATX/5V	---	SIRA 03ATEX1479X	---	---
8	OUTER SEAL	PCG/ATX/2M	---	SIRA 01ATEX1271X	SIRA 03ATEX1479X	---
9	OUTER SKID WASHER	PCG/ATX/11M	---	SIRA 01ATEX1271X	SIRA 03ATEX1479X	---
10	OUTER CAP	PCG/ATX/6M	---	SIRA 01ATEX1271X	SIRA 03ATEX1479X	---
11	CONTINUITY WASHER	PCG/LW2	PCG/LW3	SIRA 01ATEX1272X	---	---
12	O-RING SEAL	PCG/ETOR	---	---	---	---
13	INNER SEAL (d,e)	PCG/ATX/82V	---	SIRA 01ATEX1272X	SIRA 03ATEX1479X	---
14	INNER SKID WASHER (d,e)	PCG/ATX/91V	---	---	---	---

**GLAND TYPE NUMBERING**



THIS DRAWING IS OF A CERTIFIED COMPONENT, AND NO CHANGES MUST BE MADE WITHOUT REFERENCE TO THE CERTIFYING AUTHORITY.



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

TITLE ATEX RANGE GLANDS - CR-\*\*\* FAMILY  
FOR ARMoured/UNARMoured/BRAIDed/  
SCREENED CABLE SHEET 1 OF 2

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### OPTIONS & GLAND TYPE NUMBERING

#### SEAL CODES (TYPE AND TEMPERATURE) (a)

CODE	INNER SEAL	OUTER SEAL	OPERATING TEMP. RANGE
1	82NI	2MO or 2MOZS	-35°C to +90°C
2 (b)	82NI	2MO or 2MOZS	-35°C to +90°C
3	82NIS	2MOS or 2MOZS	-60°C to +180°C
4 (b)	82NIS	2MOS or 2MOZS	-60°C to +180°C

#### METAL PARTS MATERIAL CODES

CODE	MEANING
B	BRASS
S	STAINLESS STEEL

#### REDUCED BORE OPTION

R 2MO/2MOS SEAL IS REPLACED WITH 2MOZS SEAL

#### NOTES

- a Neoprene seals are colour black (parts 82NI/82VI/2MO). Silicone seals are colour white (parts 82NIS/82VIS/2MOS). Reduced bore seals are silicone and colour red (part 2MOZS).
  - b Codes 2 and 4 indicate continuity washer for lead sheathed cable. Available in sizes 20s to 100. Sizes 20S, 50S, 50 & 100 use LW3 washer. All other sizes use LW2 washer.
  - c Hybrid (H) sizes use 5V, 2MO, 11MO and 6M components from next size gland above. Hybrid sizes may also use 2MOZS seal from size below.
  - d Size 16 glands are assembled from Size 20S parts except the 2MO seals. The 82N & 91A parts are replaced with 82V & 91V parts respectively.
  - e Size 50S, 50H and 50 glands use 82V seals in place of 82N seals and 91V skid washers, in place of 91A skid washers.
  - f Size 50S, 63s and 75s use size 50, 63 and 75 3V and 8V components.
  - g Nitrile O-rings part OR are used with code 1 & 2 glands. Silicone O-rings part OR are used with code 3 & 4 glands.
  - h Size 110 glands use parts from 1VOS, 2MOS, 6MOS, 11MOS and 82NOS drawings respectively.
  - i Stainless Steel glands may have marking electrochemically etched.
  - j Plating may be applied to any or all main gland body components. Maximum thickness of plating is 0.008mm.
  - k Size 16H glands are assembled from Size 20S parts except the inner seal and skid washer. The 82N/20S and 91A/20S parts are replaced with 82V/16 and 91V/16 parts respectively.
- Special uses for this gland: -**  
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
- l For alternative threads and trade sizes refer to drawing PCG/ETDMV

GLAND SIZE	Standard Entry Threads		ARMOUR DIA/THICKNESS STEEL WIRE & TAPE (Universal) or BRAID/SCREEN	INNER SHEATH		OUTER SHEATH		REDUCED BORE	
	Metric	NPT		MIN	MAX	MIN	MAX	MIN	MAX
16 (d)	M20	1/2" NPT	0.15 - 1.25	3.4	8.4	8.4	13.5	6.7	10.3
16H (d)	M20	1/2" NPT	0.15 - 1.25	3.4	8.4	11.5	16.0	9.4	12.5
20S	M20	1/2" NPT	0.15 - 1.25	7.2	11.7	11.5	16.0	9.4	12.5
20	M20	1/2" NPT	0.15 - 1.25	9.4	14.0	15.5	21.1	12.0	17.6
25	M25	3/4" NPT	0.15 - 1.6	13.5	20.0	20.3	27.4	16.8	23.9
32	M32	1" NPT	0.15 - 2.0	19.5	26.3	26.7	34.0	23.2	30.5
40	M40	1 1/4" NPT	0.2 - 2.0	23.0	32.2	33.0	40.6	28.6	36.2
50S (e)	M50	1 1/2" NPT	0.2 - 2.5	28.1	38.2	39.4	46.7	34.8	42.4
50H (e)	M50	1 1/2" NPT	0.2 - 2.5	28.1	38.2	45.7	53.2	41.1	48.5
50 (e)	M50	2" NPT	0.3 - 2.5	33.1	44.1	45.7	53.2	41.1	48.5
63S	M63	2" NPT	0.3 - 2.5	39.2	50.1	52.1	59.5	47.5	54.8
63H	M63	2" NPT	0.3 - 2.5	39.2	50.1	58.4	65.8	53.8	61.2
63	M63	2 1/2" NPT	0.3 - 2.5	46.7	56.0	58.4	65.8	53.8	61.2
75S	M75	2 1/2" NPT	0.3 - 2.5	52.1	62.0	64.8	72.2	60.2	68.0
75H	M75	2 1/2" NPT	0.3 - 2.5	52.1	62.0	71.1	78.0	66.5	73.4
75	M75	3" NPT	0.3 - 2.5	58.0	68.0	71.1	78.0	66.5	73.4
80	M80	3" NPT	0.45 - 3.15	62.2	72.0	77.0	84.0	71.9	79.4
80H	M80	3" NPT	0.45 - 3.15	62.2	72.0	79.6	90.0	75.0	85.4
85	M85	3" NPT	0.45 - 3.15	69.0	78.0	79.6	90.0	75.0	85.4
90	M90	3 1/2" NPT	0.45 - 3.15	74.0	84.0	88.0	96.0	82.0	91.4
90H	M90	3 1/2" NPT	0.45 - 3.15	74.0	84.0	92.0	102.0	87.4	97.4
100	M100	3 1/2" NPT	0.45 - 3.15	82.0	90.0	92.0	102.0	87.4	97.4
110 (h)	M110	4" NPT	0.45 - 3.15	92.0	102.0	104.0	117.0	--	--

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ISSUE 9