

DRG. No.
PCG/ATX/CR-C

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

THIRD ANGLE PROJECTION

MARKING

1. EXAMPLE OF MARKING ON BAND:-
Exdb I Mb & IIC Gb / Ex ta IIIC Da
Exeb I Mb & IIC Gb
CR-CB 20S M20 SIRAO3ATEX1479X
PEPPERS GU15 3BT UK Ex I M2 II 1D/2G
xx (Year Code) IP66 IP68
IECEX SIR 07.0098X

2. SPECIAL MARKS:-

Ex II 3GD
Ex nR IIC Gc
SIRA10ATEX4124X

DRAWN ASC

DATE 27/04/09

CHECKED

APPROVED

CAD REF PCGATXCRC

SCALE N.T.S

ISSUE

1. Original

2. Type CR-C2** introduced

3. Type CX-C*** introduced

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

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

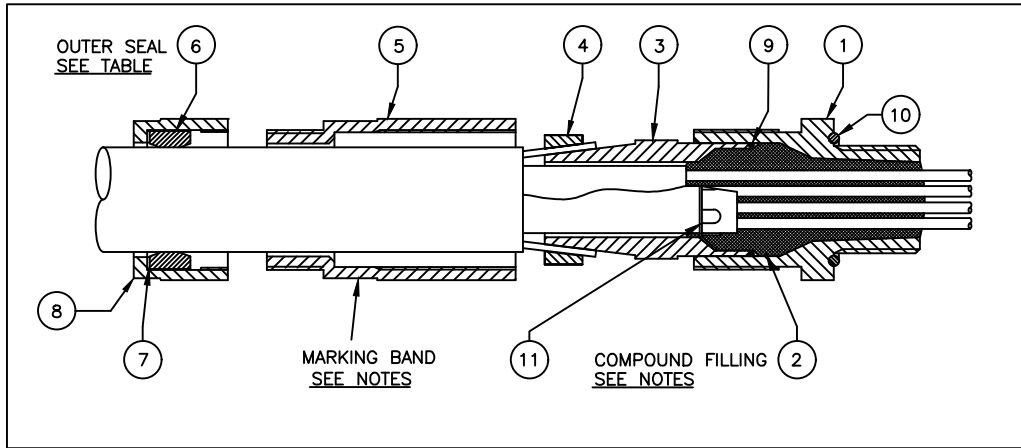
6. 16/11/09 Temperature range amended, marking updated & Continuity Washer Drg. Ref. corrected.

7. 30/10/10 Cores qty increased. Note b amended, note g added and Extra concept added.

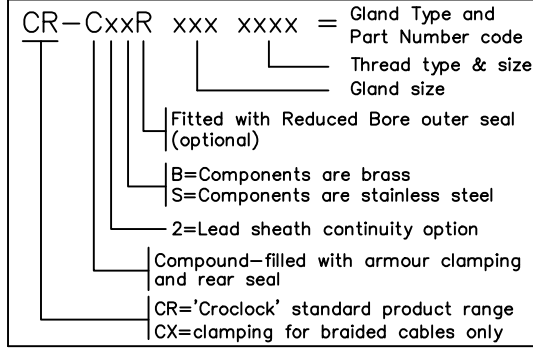
8. 25/01/13 ATEX marking corrected. Missing reduced bore sizes added. Size 16 outer seal size corrected. Parts 8 & 9 drawing references amended.

9. 12/06/17 Parts 9, 10 & 11 drawing ref amended. Marking updated. Note h added. Standard Entry Thread column added.

X-REFS:-



GLAND TYPE NUMBERING



SEAL CODES, PART NOS., MATERIALS & TEMPERATURES

Code	Material	SEAL PART NOS.	TEMPERATURE RANGE
(-a)	Silicone	PCG/ATX/2MOS	-60°C to +135°C Operating
R(a)	Silicone	PCG/ATX/2MOZS	-60°C to +135°C Operating

NOTES

- a Silicone Seals are standard and are coloured white (Part 2MOS) or red (Part 2MOZS)
- b Size 16 glands are assembled from Size 20S parts except part 6, when it uses size 16/20. Size 50S, 63S and 75S glands are assembled from standard size 50, 63 and 75 parts parts 1, 3 and 5, with the rest being S-sized parts.
- c PEPPERS T1000 COMPOUND. A 2-part epoxy putty is used to form part 2 of the fitting. Operating temperature is -60°C to +135°C.
- d Part 11 is used only on types CR-C2** and CX-C2**.
- e Part 3 alternative cone 33VX used only on types CX-C*** Available in sizes 20S and 20 only.
- f Please refer to PCG/ATX/PEXMP for full details of marking applied to the product, instructions and product labeling.
- g IPX8 rating is 100 metres for a duration of 7 Days.
- h For alternative threads and trade sizes refer to drawing PCG/ETDMV. Noting: The alternative longer or shorter entry thread lengths are not applicable to this design

PARTS LIST & CERTIFICATE CROSS-REFERENCE

Ballon Ref	Part Description	Drawing Number	Alternative Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/31V	PCG/ATX/31VT	---	---	---
2	COMPOUND (c)	---	---	---	---	---
3	CONE	PCG/ATX/33V	PCG/ATX/33VX	---	---	---
4	CLAMP RING	PCG/ATX/10V	---	---	BAS 01ATEX2271X	---
5	MIDDLE CAP	PCG/ATX/5V	---	---	BAS 01ATEX2271X	---
6	OUTER SEAL	PCG/ATX/2M	---	SIRA 01ATEX1271X	BAS 01ATEX2271X	SIRA 01ATEX3273X
7	OUTER SKID WASHER	PCG/ATX/11M	---	SIRA 01ATEX1271X	BAS 01ATEX2271X	SIRA 01ATEX3273X
8	OUTER CAP	PCG/ATX/6M	---	SIRA 01ATEX1271X	BAS 01ATEX2271X	SIRA 01ATEX3273X
9	O-RING	PCG/OR	---	---	---	---
10	O-RING	PCG/ETOR	---	---	---	---
11	CONTINUITY WASHER (d)	PCG/LW1	---	---	---	---

GLAND SIZE (b)	Standard Entry Thread		Armour Dia/Thickness (UNIVERSAL)	Inner Sheath MAX	Outer sheath		Reduced bore		Max dia over cores	Max no. of cores
	Metric	NPT			MIN	MAX	MIN	MAX		
16	M20	1/2" NPT	0.15 - 1.25	11.7	8.4	13.5	6.7	10.3	10.4	15
20S	M20	1/2" NPT	(*) 0.15 - 1.25	11.7	11.5	16.0	9.4	12.5	10.4	35
20	M20	1/2" NPT	(**) 0.15 - 1.25	14.0	15.5	21.1	12.0	17.6	12.5	40
25	M25	3/4" NPT	0.15 - 1.6	20.0	20.3	27.4	16.8	23.9	17.8	60
32	M32	1" NPT	0.15 - 2.0	26.3	26.7	34.0	23.2	30.5	23.5	80
40	M40	1 1/4" NPT	0.2 - 2.0	32.2	33.0	40.6	28.6	36.2	28.8	130
50S	M50	1 1/2" NPT	0.2 - 2.5	38.2	39.4	46.7	34.8	42.4	34.2	200
50	M50	2" NPT	0.2 - 2.5	44.1	45.7	53.2	41.1	48.5	39.4	400
63S	M63	2" NPT	0.3 - 2.5	50.1	52.1	59.5	47.5	54.8	44.8	400
63	M63	2 1/2" NPT	0.3 - 2.5	56.0	58.4	65.8	53.8	61.2	50.0	425
75S	M75	2 1/2" NPT	0.3 - 2.5	62.0	64.8	72.2	60.2	68.0	55.4	425
75	M75	3" NPT	0.3 - 2.5	68.0	71.1	78.0	66.5	73.4	60.8	425
80	M80	3" NPT	0.45 - 3.15	72.0	77.0	84.0	71.9	79.4	64.4	425
85	M85	3" NPT	0.45 - 3.15	78.0	79.6	90.0	75.0	85.4	69.8	425
90	M90	3 1/2" NPT	0.45 - 3.15	84.0	88.0	96.0	82.0	91.4	75.1	425
100	M100	3 1/2" NPT	0.45 - 3.15	90.0	92.0	102.0	87.4	97.4	80.5	425

(*) CX-Cxxx 20S xxxx : 0.15-0.35
(**) CX-Cxxx 20 xxxx : 0.15-0.5

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

GENERAL NOTE
To minimise galvanic corrosion, the metallic gland components are made from similar materials



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

TITLE ATEX BARRIER GLAND RANGE
BARRIER GLANDS FOR ARMoured AND UNARMoured CABLE, CR-C FAMILY

The design and manufacturing information contained in this drawing is the exclusive right of PEPPERS CABLE GLANDS LTD and must not be copied or used for manufacturing purposes without express authority in writing from the said company.

DRG. No.
PCG/ATX/CR-C
ISSUE 9