

DRG. No.
PCG/ATX/CR-U

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 IIC Da
Exeb I Mb & IIC Gb
CR-UB 20S 20 SIRA03ATEX1479X
PEPPERS GU15 3BT UK (Ex) I M2 II 1D/2G
xx (Year Code) IP66 IP68
IECEX SIR 07.0098X

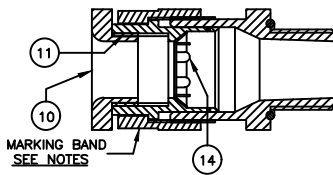
2. SPECIAL MARKS:-

(Ex) II 3GD
Ex nR IIC Gc
SIRA10ATEX4124X

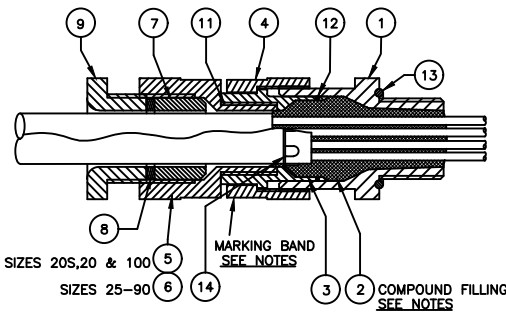
DRAWN ASC
DATE 27/04/09
CHECKED
APPROVED
CAD REF PCGATXCRU
SCALE N.T.S

Variant CR-X

The assembly is the same as CR-U except part 10 replaces parts 5,6,7,8 & 9



CR-U



GLAND TYPE NUMBERING

CR-xxx xxx xxxx = Gland Type and Part Number code

- Thread type & size
- Gland size
- B=Components are brass
- S=Components are stainless steel
- 2=Lead sheath continuity option
- U=Compound-filled with rear seal
- X=Compound-filled without rear seal
- 'Croclock' product range

PARTS LIST & CERTIFICATE CROSS-REFERENCE

Ballon Ref	Part Description	Drawing Number	Alternative Drawing Number	Other Certificate Nos. used on	Other Certificate Nos. used on
1	ENTRY BODY	PCG/ATX/31V	PCG/ATX/31VT	---	---
2	COMPOUND (d)	---	---	---	---
3	FERRULE	PCG/ATX/34V	---	---	---
4	UNION NUT	PCG/ATX/36V	---	---	---
5	SEAL HOUSING	PCG/ATX/39V	---	---	---
6	ENTRY BODY	PCG/ATX/81AN	---	SIRA 01ATEX1272X	---
7	SEAL (a) (c)	PCG/ATX/82N	PCG/ATX/82V	BAS 01ATEX2271X	SIRA 01ATEX1272X
8	SKID WASHER	PCG/ATX/91A	PCG/ATX/91V	BAS 01ATEX2271X	SIRA 01ATEX1272X
9	NUT	PCG/ATX/88N	---	SIRA 01ATEX1272X	---
10	UNION RET'G CAP	PCG/ATX/38V	---	---	---
11	LOCTITE 2701 or 3M TL62	---	---	---	---
12	O-RING	PCG/OR	---	---	---
13	O-RING	PCG/ETOR	---	---	---
14	CONTINUITY WASHER (e)	PCG/LW1	---	---	---

SEAL PART NOS., MATERIALS & TEMPERATURES

Material	SEAL PART NOS. (see note c)	OPERATING TEMP. RANGE
Silicone	PCG/ATX/82N	-60°C to +135°C
Silicone	PCG/ATX/82V	-60°C to +135°C

NOTES

- a Silicone seals are standard on CR-U glands and are coloured white
- b CR-U Size 16 glands are assembled from Size 20S parts except seal part 7, when it uses size 16/20. Size 50S, 63S and 75S glands are assembled from standard size 50, 63 and 75 parts 1, 3, 4, 6 and 9, with the rest being S-sized parts.
- c For item 7 size 16/M20 uses 82V and 91V parts.
- d 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.
- e Part 14 is used only on types CR-U2* and CR-X2*. Available in sizes 20S to 100 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.

1. Original

2. Types CR-U/X2** introduced

3. Marking updated to comply with latest 60079 Series & to include ExID marking.

4. 23/07/09 Updated to include Ex nR II marking.

5. 02/09/09 Updated to remove PCG/ATX/81N drawing and include new PCG/ATX/81AN drawing reference. 82N and 82V references corrected to reflect their updated drawing changes. Skid Washer drawing reference corrected.

6. 16/11/09 Gland markings updated, temp. range amended & Continuity Washer Drg Ref. corrected.

7. 30/09/10 Cores qty increased. Note b amended, note g added & Ex to concept added.

8. 25/01/13 ATEX marking corrected. Parts 12 and 13 drawing refs amended. CR-U size 63s core quantity corrected. 91V part added and Note C amended.

9. 12/06/17 Marking updated. Additional sizes added for CR-X range. Part 14 drawing ref corrected. Note h added. Standard Entry Thread column added.

X-REFS:-

CR-U						CR-X							
GLAND SIZE (b)	Standard Entry Thread		Outer sheath		Max dia over cores	Max no. of cores	GLAND SIZE (b)	Standard Entry Thread		Outer sheath		Max dia over cores	Max no. of cores
	Metric	NPT	MIN	MAX				MIN	MAX				
16	M20	1/2" NPT	3.4	8.4	10.4	15	20S	M20	1/2" NPT	-	11.7	10.4	35
20S	M20	1/2" NPT	4.8	11.7	10.4	35	20	M20	1/2" NPT	-	14.0	12.5	40
20	M20	1/2" NPT	9.5	14.0	12.5	40	25	M25	3/4" NPT	-	20.0	17.8	60
25	M25	3/4" NPT	11.7	20.0	17.8	60	32	M32	1" NPT	-	26.3	23.5	80
32	M32	1" NPT	18.1	26.3	23.5	80	40	M40	1 1/4" NPT	-	32.2	28.8	130
40	M40	1 1/4" NPT	22.6	32.2	28.8	130	50S	M50	1 1/2" NPT	-	38.2	34.2	200
50S	M50	1 1/2" NPT	28.2	38.2	34.2	200	50	M50	2" NPT	-	44.1	39.4	400
50	M50	2" NPT	33.1	44.1	39.4	400	63S	M63	2" NPT	-	50.1	44.8	400
63S	M63	2" NPT	39.3	50.1	44.8	400	63	M63	2 1/2" NPT	-	56.0	50.0	425
63	M63	2 1/2" NPT	46.7	56.0	50.0	425	75S	M75	2 1/2" NPT	-	62.0	55.4	425
75S	M75	2 1/2" NPT	52.3	62.0	55.4	425	75	M75	3" NPT	-	68.0	60.8	425
75	M75	3" NPT	58.0	68.0	60.8	425	80	M80	3" NPT	-	72.0	64.4	425
80	M80	3" NPT	61.9	72.0	64.4	425	85	M85	3" NPT	-	78.0	69.8	425
85	M85	3" NPT	69.1	78.0	69.8	425	90	M90	3 1/2" NPT	-	84.0	75.1	425
90	M90	3 1/2" NPT	74.1	84.0	75.1	425	100	M100	3 1/2" NPT	-	90.0	80.5	425
100	M100	3 1/2" NPT	81.8	90.0	80.5	425							

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 UNARMoured CABLE, CR-U AND CR-X FAMILIES

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-U
ISSUE 9