

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:-
Exd I Mb & IIC Gb / Ex ta IIIC Da
Exe I Mb & IIC Gb
CR-UB 20S 20 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 PCGATXCRU

SCALE N.T.S

ISSUE

1. Original

2. Types CR-U/X2** introduced

3. Marking updated to comply with latest 60079 Series & to include ExtD 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 ta concept added.

8. 25/01/13

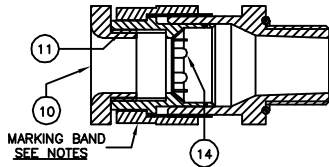
ATEX marking corrected. Parts 12 and 13 drawing refs amended. CR-U size 63s core quantity corrected. 91V part added and Note C amended.

X-REFS:-

CSCRU
TABCRU
ISSCRU
CAO

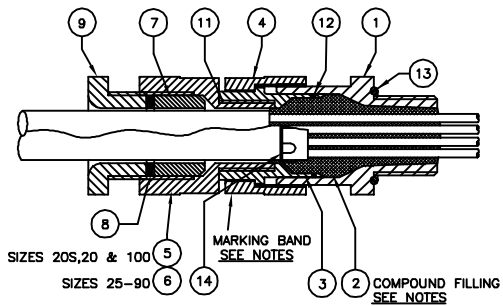
Variant CR-X

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



MARKING BAND
SEE NOTES

CR-U



SIZES 20S,20 & 100

SIZES 25-90

MARKING BAND
SEE NOTES

COMPOUND FILLING
SEE NOTES

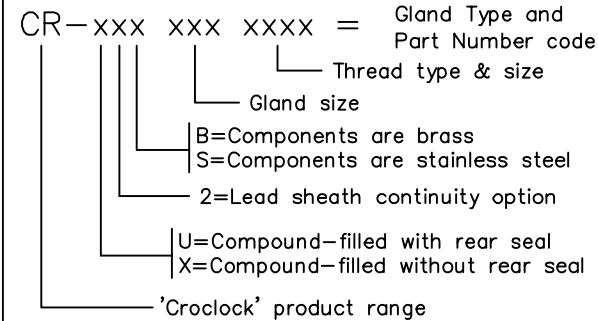
PARTS LIST & CERTIFICATE CROSS-REFERENCE

Balloon 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	---	---	---
7	SEAL (a) (c)	PCG/ATX/82N	PCG/ATX/82V	SIRA 01ATEX1272X	SIRA 01ATEX1272X
8	SKID WASHER	PCG/ATX/91A	PCG/ATX/91V	BAS 01ATEX2271X	SIRA 01ATEX1272X
9	NUT	PCG/ATX/88N	---	---	---
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/LW2	---	---	---

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

GLAND SIZE (b)	TRADE SIZE	Outer sheath		Max dia over cores	Max no. of cores
		MIN	MAX		
20S	1/2"	-	11.7	10.4	35
20	1/2"	-	14.0	12.5	40
25	3/4"	-	20.0	17.8	60
32	1"	-	26.3	23.5	80
40	1 1/4"	-	32.2	28.8	130
50	2"	-	44.1	39.4	400
63	2 1/2"	-	56.0	50.0	425
75	3"	-	68.0	60.8	425
80	3"	-	72.0	64.4	425
85	3"	-	78.0	69.8	425
90	3 1/2"	-	84.0	75.1	425
100	3 1/2"	-	90.0	80.5	425
100	4"	-	90.0	80.5	425

GLAND TYPE NUMBERING



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.

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 8

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