

DRG. No.
PCG/ATX/CR-U

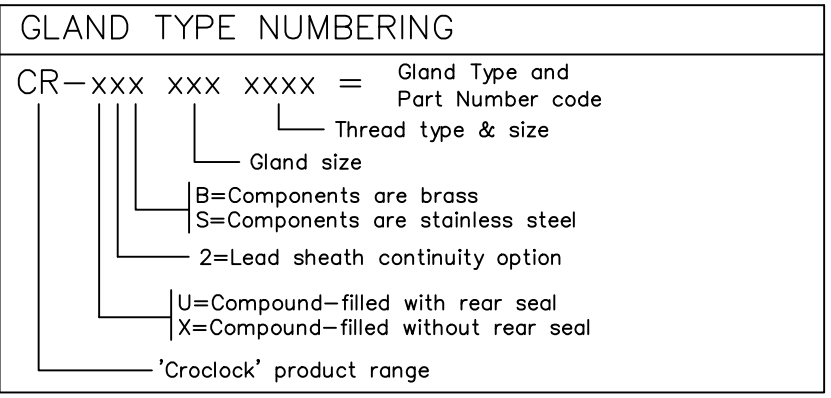
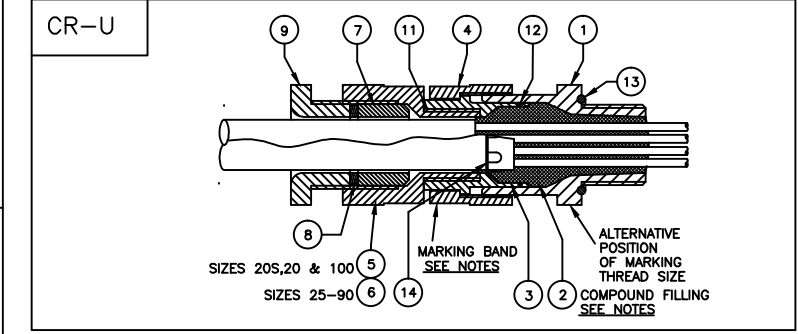
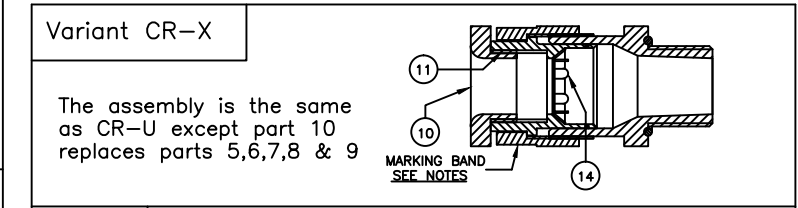
DO NOT SCALE OFF DRAWING "IF IN DOUBT ASK".
REPORT ALL ERRORS AND ALTERATIONS.

THIRD ANGLE PROJECTION

MARKING
1. EXAMPLE OF MARKING ON BAND:-
Exd I Mb & IIC Gb / Ex ta IIC Da
Exe I Mb & IIC Gb
CR-UB 20S 20 SIRAO3ATEX1479X
PEPPERS GU15 3BT UK Ex I M2 II 2 GD
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



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	---	SIRA 01ATEX1272X	---
7	SEAL (a) (c)	PCG/ATX/82N	PCG/ATX/82V	BAS 01ATEX2271X	SIRA 01ATEX1272X
8	SKID WASHER	PCG/ATX/91A	---	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/BR	---	---	---
13	O-RING	PCG/OR	---	---	---
14	CONTINUITY WASHER (e)	PCG/LW2	---	---	---

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 PCG/ATX/82V part.
- 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.

CR-U

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	425
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

CR-X

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

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

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TITLE ATEX BARRIER GLAND RANGE
BARRIER GLANDS FOR UNARMoured CABLE, CR-U AND CR-X FAMILIES

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DRG. No.
PCG/ATX/CR-U
ISSUE 7

ISSUE
1. Original
2. Types CR-U/X2** introduced
3. Marking updated to comply with latest 60079 Series & to include ExD 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.

X-REFS:-
CSCRU
TABCRU
ISSCRU
CAO