TECHNICAL DATA

CABLE GLAND TYPE : C2K
INGRESS PROTECTION : IP66, IP67, IP68
PROCESS CONTROL SYSTEM : BS EN ISO 9001
: ISO / IEC 80079-34:2011

EXPLOSIVE ATMOSPHERES CLASSIFICATION

ATEX CERTIFICATION No : SIRA13ATEX1070X
ATEX CERTIFICATION CODE : II 2G, II 1D, Ex e IIC Gb, Ex ta IIIC Da
IECEx CERTIFICATION No : IECEx SIR.13.0025X
IECEx CERTIFICATION CODE : Ex e IIC Gb / Ex ta IIIC Da

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

C2K cable glands are only suitable for fixed installations when used with braid cables. Cables must be effectively clamped to prevent twisting and pulling

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing: Locknut, Earth Tag, Serrated Washer, Entry Thread (I.P.) Sealing Washer, Shroud

Number of turns to tighten	Outer Seal Tightening Guide												
	GLAND SIZE												
	20S16	20S	20	25S	25	32	40	50S	50	63S	63	75S	75
	CABLE DIAMETER												
0.5	13.2	15.9	20.9	22.0	26.2	33.9							
1	12.5	15.3	20.0	21.2	25.4	32.9	40.4	46.7	52.8	59.2	65.9	72.1	78.5
1.5	11.9	14.7	19.0	20.4	24.6	31.9	39.0	45.4	51.4	57.7	64.6	70.6	77.2
2	11.2	14.2	18.1	19.6	23.8	30.8	37.6	44.1	50.0	56.2	63.4	69.2	75.9
2.5	10.5	13.6	17.2	18.8	23.0	29.8	36.2	42.9	48.7	54.7	62.1	67.7	74.6
3	9.8	13.0	16.2	18.0	22.2	28.8	34.8	41.6	47.3	53.2	60.9	66.3	73.3
3.5	9.2	12.4	15.3	17.2	21.4	27.8	33.5	40.3	45.9	51.6	59.6	64.8	71.9
4	8.5	11.8	14.4	16.4	20.6	26.8	32.1	39.0	44.5	50.1	58.4	63.4	70.6
4.5	7.8	11.2	13.4	15.6	19.8	25.7	30.7	37.8	43.2	48.6	57.1	61.9	69.3
5	7.1	10.7	12.5	14.8	19.0	24.7	29.3	36.5	41.8	47.1	55.9	60.5	68.0
5.5	6.5	10.1	12.0	14.0	18.2	23.7	27.9	35.2	40.4	45.6	54.6	59.0	66.7
6	5.8	9.5											

Cable Gland Size	Available Entry Threads (Alternate Metric Thread Lengths Available)					Cable Bedding Diameter	Overall Cable Diameter		Armour Range †				Across Flats	Across Corners	Protrusion Length	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
	Standard				Option				Grooved Cone (X)		Stepped Cone (W)									
	Metric	Thread Length (Metric)	NPT	Thread Length (NPT)	NPT	Max	Min	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	M20	15.0	1/2"	19.9	3/4"	8.7	6.1	13.1	0.3	1.0	0.8	1.25	30.5	33.6	65.0	20S16	C2K	1RA	PVC06	0.23
20S	M20	15.0	1/2"	19.9	3/4"	11.7	9.5	15.9	0.3	1.0	0.8	1.25	30.5	33.6	62.0	20S	C2K	1RA	PVC06	0.24
20	M20	15.0	1/2"	19.9	3/4"	14.0	12.5	20.9	0.4	1.0	0.8	1.25	30.5	33.6	63.0	20	C2K	1RA	PVC06	0.22
25S	M25	15.0	3/4"	20.2	1"	20.0	14.0	22.0	0.4	1.2	1.25	1.6	37.5	41.3	69.5	25S	C2K	1RA	PVC09	0.35
25	M25	15.0	3/4"	20.2	1"	20.0	18.2	26.2	0.4	1.2	1.25	1.6	37.5	41.3	69.5	25	C2K	1RA	PVC09	0.35
32	M32	15.0	1"	25.0	1 1/4"	26.0	23.7	33.9	0.4	1.2	1.6	2.0	46.0	50.6	75.0	32	C2K	1RA	PVC11	0.55
40	M40	15.0	1 1/4"	25.6	1 1/2"	32.2	27.9	40.4	0.4	1.6	1.6	2.0	55.0	60.5	75.0	40	C2K	1RA	PVC15	0.75
50S	M50	15.0	1 1/2"	26.1	2"	38.2	35.2	46.7	0.4	1.6	2.0	2.5	60.0	66.0	77.0	50S	C2K	1RA	PVC18	0.86
50	M50	15.0	2"	26.9	2 1/2"	44.1	40.4	53.0	0.6	1.6	2.0	2.5	70.1	77.1	77.0	50	C2K	1RA	PVC21	1.13
63S	M63	15.0	2"	26.9	2 1/2"	50.0	45.6	59.4	0.6	1.6	2.0	2.5	75.0	82.5	80.0	63S	C2K	1RA	PVC23	1.35
63	M63	15.0	2 1/2"	39.9	3"	56.0	54.6	65.8	0.6	1.6	2.0	2.5	80.0	88.0	80.0	63	C2K	1RA	PVC25	1.34
75S	M75	15.0	2 1/2"	39.9	3"	62.0	59.0	72.0	0.6	1.6	2.0	2.5	90.0	99.0	87.0	75S	C2K	1RA	PVC28	2.02
75	M75	15.0	3"	41.5	3 1/2"	64.2	66.7	78.4	0.6	1.6	2.5	3.0	100.0	110.0	88.0	75	C2K	1RA	PVC30	2.48
90	M90	24.0	3 1/2"	42.8	4"	78.6	76.2	90.3	0.8	1.6	3.15	4.0	115.0	126.5	102.0	90	C2K	1RA	PVC32	3.52
100	M100	24.0	4"	44.0	5"	91.0	86.1	101.4	0.8	1.6	3.15	4.0	127.0	139.7	114.0	100	C2K	1RA	LSF33	4.58
115	M115	24.0	4"	44.0	5"	98.0	101.5	110.2	0.8	1.6	3.15	4.0	133.4	146.7	114.0	115	C2K	1RA	LSF34	6.50
130	M130	24.0	5"	46.8	6"	115.0	110.2	123.2	0.8	1.6	3.15	4.0	152.4	167.6	114.0	130	C2K	1RA	LSF35	8.50

Dimensions are displayed in millimetres unless otherwise stated

*Stepped cone is for single wire armour and grooved cone is for all other armours

CMP Products Limited on its sole responsibility declares that the equipment referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and the following standards: -

EN60079-0:2012, EN60079-1:2007, EN60079-7:2007, EN60079-15:2010, EN60079-31:2009, BS6121:1989, EN62444:2013

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INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES C2K

FOR TERMINATION OF CABLES WITH WIRE BRAID, TAPE ARMOUR (STA/DSTA), STRIP ARMOUR OR SINGLE WIRE ARMOUR (SWA).
FOR USE WITH INCREASED SAFETY Ex e EQUIPMENT
INCORPORATING EU DECLARATION OF CONFORMITY TO DIRECTIVE [2014/34/EU]

CABLE GLAND TYPES C2K

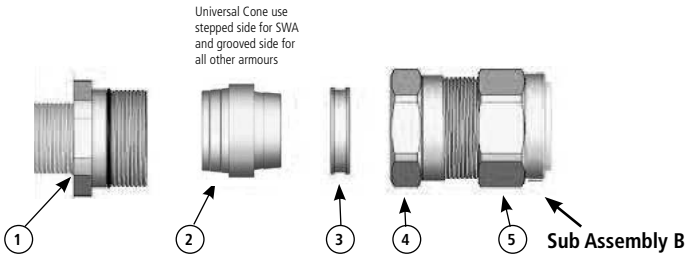
CMP Document No. FI440 Issue 8

Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES C2K

CABLE GLAND COMPONENTS - It is not necessary to dismantle the cable gland any further than illustrated below

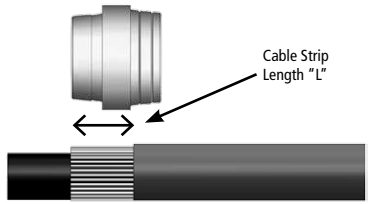
1. Entry Component
2. Detachable Armour Cone
3. AnyWay Clamping Ring
4. Body
5. Outer Seal Nut



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

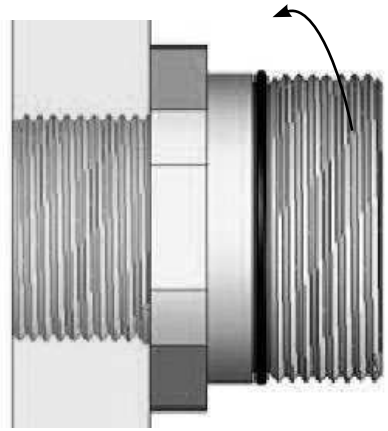
1.Slacken the Outer Seal Assembly (5), but do not remove it from the Body (4). Seperate the gland components by removing the Body (4) and the Outer Seal Assembly (5) as one unit. (Note that the Reversible Armour Cone (2) and AnyWay Clamping Ring (3) are loose items). Pass the Body (4), Outer Seal Assembly (5) and AnyWay Clamping Ring (3) over the cable, Outer Seal Assembly (5) first.

2. Prepare the cable by stripping back the cable outer sheath and armour to suit the equipment geometry. Expose the armour by stripping back the outer sheath further using the table below as a guide.

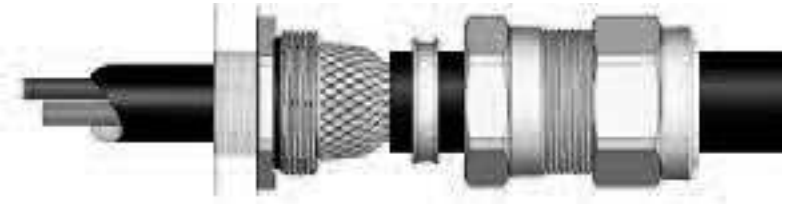


CABLE GLAND SIZE	20S/16, 20S, 20	25S, 25, 32, 40	50S, 50, 63S, 63	75S, 75, 90,100,115,130
CABLE STRIP LENGTH "L"	12 mm (0.472 inches)	15 mm (0.591 inches)	18 mm (0.709 inches)	20 mm (0.787inches)

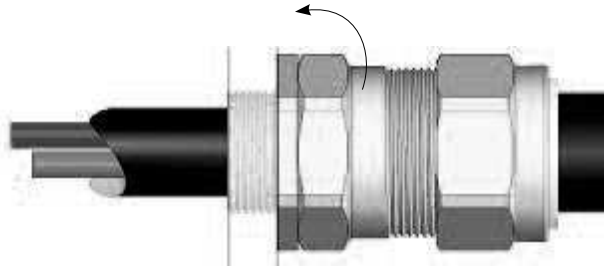
3. Secure the Entry Component (1) to the equipment by tightening with a spanner.



4. Locate the Reversible Armour Cone (2) in the Entry Component (1). Stepped side outwards for SWA, grooved side outwards for all other cable types. Pass the cable through the Cone (2) and Entry Component (1), evenly spacing the braid or armour around the Cone (2).



5. While continuing to gently push the cable forward to keep the braid or armour in contact with the Cone (2), tighten the Body (4) first by hand and then with a spanner until the Body (4) is fully tightened onto the Entry Component (1) and no threads are visible.



6. Only using finger pressure, tighten the outer seal nut assembly (5) until light resistance to tightening is met.

Then either use the outer seal tightening guide tape or table on the rear of the page to determine how much further to tighten the seal using a spanner (using the outer seal tightening guide is recomended).

Wrap the outer seal tightening guide tape around the cable to show the amount of spanner turns needed (as shown here). Make sure the correct side of the outer seal tightening guide tape is used depending on the cable gland size.