

TECHNICAL DATA

CABLE GLAND TYPE : C2K
 INGRESS PROTECTION : IP66, IP67, IP68
 PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION

ATEX CERTIFICATION No : SIRA 06ATEX1097X
 ATEX CERTIFICATION CODE : II 2 GD Ex e II / Ex tD A21 IP66
 IEC Ex CERTIFICATION No : IEC Ex SIR.06.0042X
 IEC Ex CERTIFICATION CODE : Ex e II / Ex tD A21 IP66

INSTALLATION INSTRUCTIONS

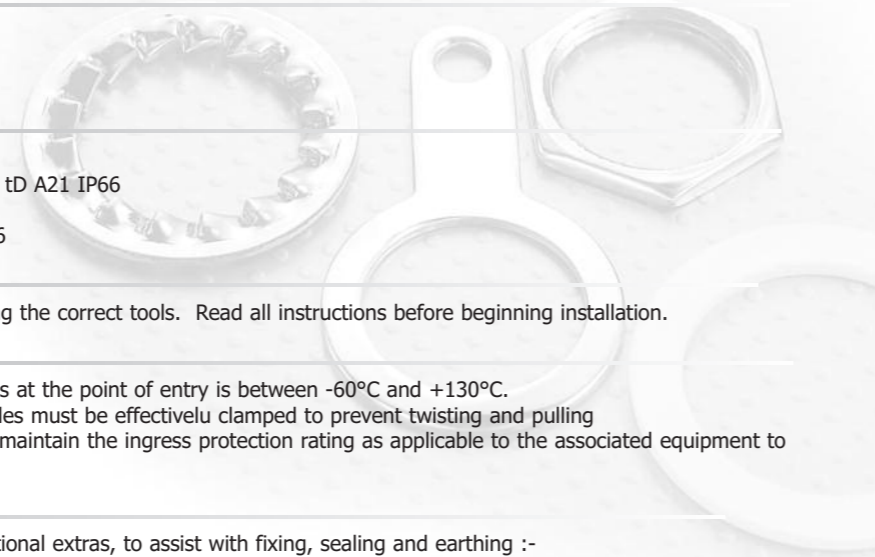
Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

1. The cable gland ranges shall only be used where temperatures at the point of entry is between -60°C and +130°C.
2. C2K cable glands are only suitable for fixed installations. Cables must be effectively clamped to prevent twisting and pulling
3. The entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment to which it is attached

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 *



ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION OF CMP CABLE GLAND TYPE C2K

FOR TERMINATION OF CABLES WITH WIRE BRAID, TAPE ARMOUR (STA/DSTA), STRIP ARMOUR AND SINGLE WIRE ARMOUR (SWA). FOR USE IN HAZARDOUS AREAS

INCORPORATING EC DECLARATION OF CONFORMITY TO DIRECTIVE 94/9/EC

CABLE GLAND TYPE C2K

Cable Connector Size	Available Entry Threads			Thread Length		Cable Bedding Diameter	Overall Cable Diameter		Armor Range		Across Flats	Across Flats	Protrusion Length	Ordering Reference (NP Brass NPT)	PVC Shroud Reference *	Connector Weight (Ozs)
	Standard	Option		Actual NPT	Min Metric		Min	Max	Min	Max	Min	Max				
	Metric	NPT	NPT											Max		
20S/16	1/2"	3/4"	M20	0.630	0.591	0.461	0.240	0.453	0.000	0.039	0.945	1.021	2.303	20S16C2K1RA531	PVC06	4.65
20S	1/2"	3/4"	M20	0.630	0.591	0.461	0.374	0.626	0.000	0.039	0.945	1.021	2.303	20SC2K1RA531	PVC06	4.65
20	1/2"	3/4"	M20	0.630	0.591	0.551	0.492	0.823	0.000	0.039	1.201	1.112	2.382	20C2K1RA531	PVC06	6.84
25S	3/4"	1"	M25	0.669	0.591	0.787	0.551	0.866	0.000	0.039	1.476	1.594	2.657	25SC2K1RA532	PVC09	10.78
25	3/4"	1"	M25	0.669	0.591	0.787	0.717	1.031	0.000	0.039	1.476	1.594	2.657	25C2K1RA531	PVC09	10.78
32	1"	1 1/4"	M32	0.787	0.591	1.035	0.933	1.335	0.000	0.039	1.811	2.008	2.736	32C2K1RA532	PVC11	16.49
40	1 1/4"	1 1/2"	M40	0.787	0.591	1.268	1.098	1.591	0.000	0.039	2.165	1.956	3.071	40C2K1RA534	PVC15	23.89
50S	1 1/2"	2"	M50	0.787	0.591	1.504	1.386	1.839	0.000	0.039	2.362	2.338	2.972	50SC2K1RA535	PVC18	26.43
50	2"	2 1/2"	M50	0.906	0.591	1.736	1.591	2.091	0.000	0.039	2.756	2.827	3.169	50C2K1RA536	PVC21	36.79
63S	2"	2 1/2"	M63	0.906	0.591	1.969	1.795	2.339	0.000	0.039	2.953	3.189	3.602	63SC2K1RA536	PVC23	37.85
63	2 1/2"	3"	M63	0.984	0.591	2.205	2.150	2.594	0.000	0.039	3.150	3.402	3.622	63C2K1RA537	PVC25	45.11
75S	2 1/2"	3"	M75	0.984	0.591	2.441	2.323	2.839	0.000	0.039	3.504	3.784	3.898	75SC2K1RA537	PVC28	65.55
75	3"	3 1/2"	M75	1.417	0.591	2.677	2.262	3.091	0.000	0.039	3.898	4.209	4.016	75C2K1RA538	PVC30	89.87
90	3 1/2"	4"	M90	1.417	0.591	3.150	3.000	3.559	0.000	0.063	4.488	4.847	4.724	90C2K1RA539	PVC32	128.63

Dimensions are displayed in inches unless otherwise stated

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request. # Other thread forms are available.

I, the undersigned, hereby declare that the equipment referred to herein conforms to 94/9/EC directive.

G. I. Mood

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CMP PRODUCTS

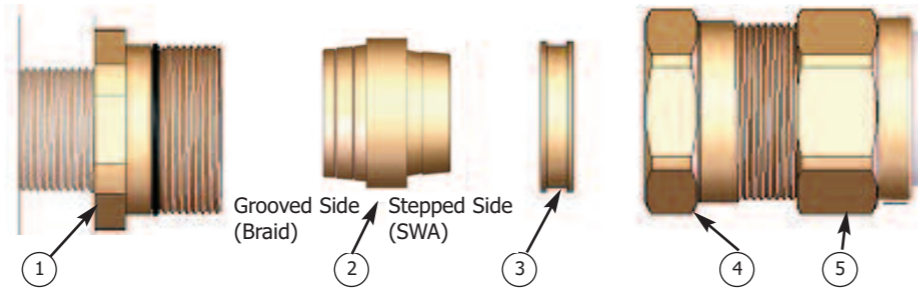


Logo's shown for illustration purposes only. Please check certification for details

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPE C2K

CABLE GLAND COMPONENTS

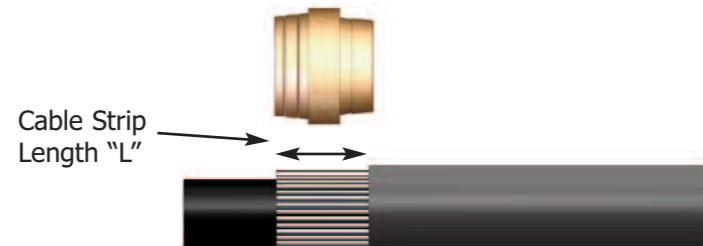
1. Entry Component
2. Reversible Armour Cone
3. AnyWay Clamping Ring
4. Body
5. Outer Seal Assembly



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

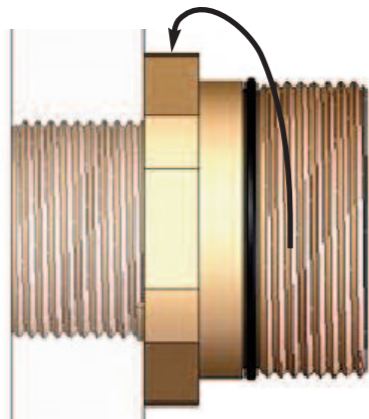
1. Slacken the Outer Seal Assembly (5), but do not remove it from the Body (4). Separate the gland components by removing the Body (4) and the Outer Seal Assembly (5) as one unit. (Note that the Reversible Armour Cone (2) and AnyWay Clamping Ring (3) are loose items). Pass the Body (4), Outer Seal Assembly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

2. Prepare the cable by stripping back the outer sheath and braid or armour to suit the equipment. Expose the braid or armour further so that it can be formed around the armour cone by cutting back the outer sheath by a length "L". This length varies slightly depending upon the cable diameter, but typical values are shown below.

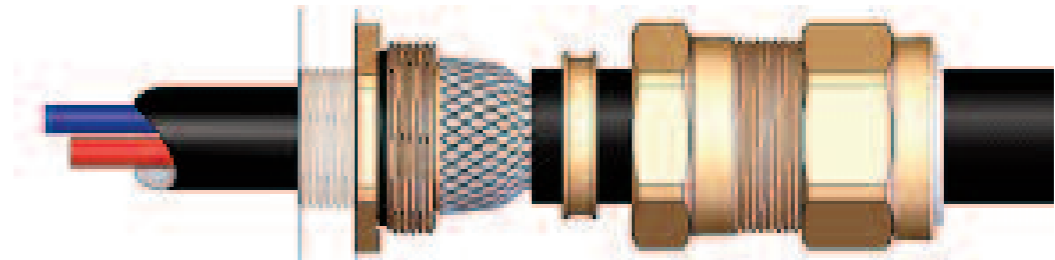


CABLE GLAND SIZE	20S/16, 20S, 20	25S, 25, 32, 40	50S, 50, 63S, 63	75S, 75, 90, 100, 115, 130
CABLE STRIP LENGTH "L"	12mm	15mm	18mm	20mm

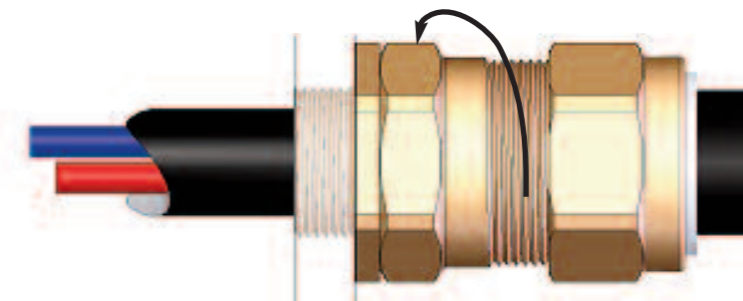
3. Secure the Entry Component (1) to the equipment by tightening with a spanner.



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.

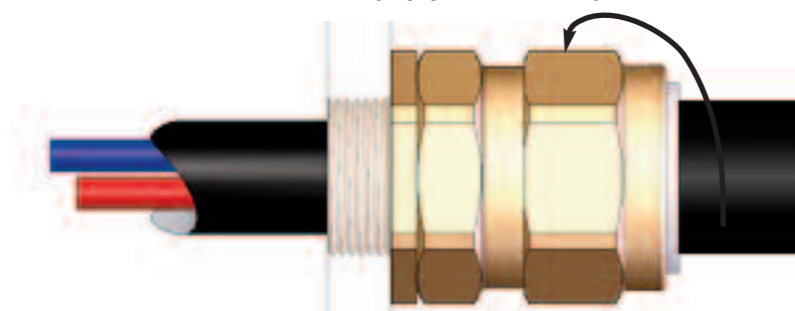


6. Tighten the Outer Seal Nut Assembly (5) until it comes to an effective stop.

This will occur when:-

- A) The Outer Seal Nut Assembly (5) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
- B) The Outer Seal Nut Assembly (5) has been fully tightened. (This will only happen if the cable is at the bottom end of the range for the gland).

For Guidance:- The Outer Seal Assembly (5) is correctly fitted when it has been tightened until the seal touches the cable sheath and then tightened a further one turn using a spanner.



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