

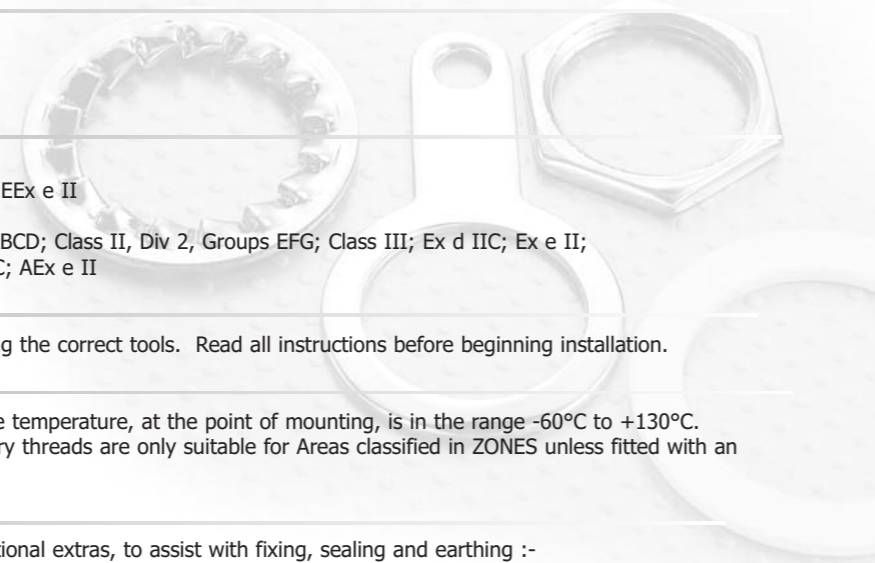
TECHNICAL DATA
 CABLE GLAND TYPE : D3CDS & D3CDSX
 INGRESS PROTECTION : IP66
 PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION
 ATEX CERTIFICATION No : SIRA 00ATEX1148X
 ATEX CERTIFICATION CODE : II 2 GD EEx d IIC / EEx e II
 CSA-US CERTIFICATION No : CSA.02.310517
 CSA-US CERTIFICATION CODE : Class I, Div 2, Groups ABCD; Class II, Div 2, Groups EFG; Class III; Ex d IIC; Ex e II; Class I, Zone 1, AEx d IIC; AEx e II

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 glands ranges shall only be used on enclosures where the temperature, at the point of mounting, is in the range -60°C to +130°C.
 2. According to CEC Wiring methods, connectors with Metric entry threads are only suitable for Areas classified in ZONES unless fitted with an approved Metric to NPT thread conversion adaptor.

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 D3CDS & D3CDSX

CABLE GLAND FOR USE WITH SINGLE WIRE ARMOUR (SWA) (NOT D3CDSX), WIRE BRAID, STRIP, AND TAPE ARMOUR.
 FOR USE IN HAZARDOUS LOCATIONS.

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

CMP CDS™ CABLE GLAND FEATURING COMPENSATING DISPLACEMENT SEAL SYSTEM.

CABLE GLAND TYPES D3CDS & D3CDSX



Cable Gland Selection Table

Cable Gland Size	Available Entry Threads			Min Thread Length		Cable Bedding Diameter		Overall Cable Diameter	Armour Range +				Across Flats	Across Corners	Protrusion Length	Ordering Reference (Nickel Plated NPT) #	Cable Gland Weight (Ozs)
	Standard	Option		NPT	Metric	Min	Max		Grooved Cone		Stepped Cone						
	NPT	NPT	Metric	NPT	Metric	Min	Max	Min	Max	Min	Max	Max	Max				
20S/16	1/2"	3/4"	M20	0.630	0.591	0.122	0.343	0.528	0.000	0.039	0.035	0.049	0.945	1.019	2.362	20S16D3CDS1RA531	5.25
20S	1/2"	3/4"	M20	0.630	0.591	0.240	0.461	0.626	0.000	0.039	0.035	0.051	0.945	1.019	2.362	20SD3CDS1RA531	5.25
20	1/2"	3/4"	M20	0.630	0.591	0.256	0.551	0.823	0.000	0.039	0.035	0.051	1.201	1.295	2.441	20D3CDS1RA531	8.25
25	3/4"	1"	M25	0.669	0.591	0.437	0.787	1.031	0.000	0.039	0.051	0.063	1.476	1.594	2.835	25D3CDS1RA531	12.55
32	1"	1 1/4"	M32	0.787	0.591	0.669	1.035	1.335	0.000	0.039	0.063	0.079	1.811	1.957	2.953	32D3CDS1RA532	17.88
40	1 1/4"	1 1/2"	M40	0.787	0.591	0.925	1.268	1.591	0.000	0.039	0.063	0.079	2.165	2.339	2.992	40D3CDS1RA534	28.85
50S	1 1/2"	2"	M50	0.787	0.591	1.220	1.496	1.839	0.000	0.039	0.079	0.098	2.362	2.551	3.465	50SD3CDS1RA535	36.14
50	2"	2 1/2"	M50	0.906	0.591	1.402	1.736	2.091	0.000	0.039	0.079	0.098	2.756	2.976	3.543	50D3CDS1RA536	52.54
63S	2"	2 1/2"	M63	0.906	0.591	1.634	1.969	2.339	0.000	0.039	0.079	0.098	2.953	3.189	3.858	63SD3CDS1RA536	58.60
63	2 1/2"	3"	M63	0.984	0.591	1.858	2.205	2.594	0.000	0.039	0.079	0.098	3.149	3.402	3.858	63D3CDS1RA537	56.86
75S	2 1/2"	3"	M75	0.984	0.591	2.126	2.441	2.839	0.000	0.039	0.079	0.098	3.504	3.783	3.950	75SD3CDS1RA537	79.54
75	3"	3 1/2"	M75	1.417	0.591	2.406	2.677	3.091	0.000	0.039	0.079	0.098	3.898	4.209	4.094	75D3CDS1RA538	108.00
90	3-1/2"	4"	M90	1.417	0.591	2.622	3.122	3.559	0.000	0.063	0.126	0.126	4.488	4.846	5.118	90D3CDS1RA539	175.50

Dimensions are displayed in inches unless otherwise stated

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

G. I. Mood
 Dr Geof Mood - Technical Director - (Authorised Person)

CE 0518
 Notified Body: Sira Certification Service, Rake Lane, Chester CH4 9JN, England.

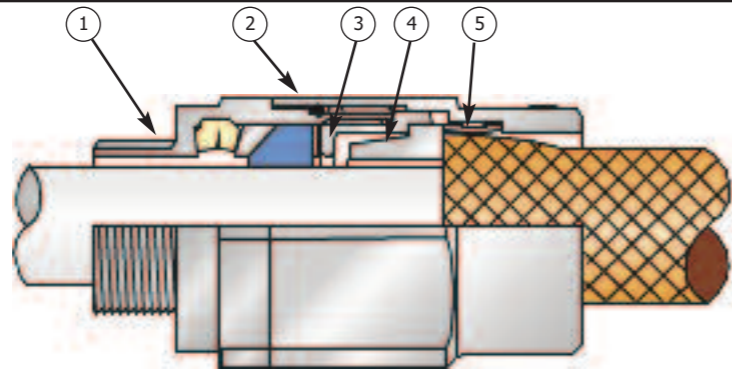
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INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND D3CDS & D3CDSX

CABLE GLAND COMPONENTS

1. Entry Item
2. Body
3. Compensating Sleeve
4. Reversible Armour Cone (Single Cone on D3CDSX)
5. AnyWay Clamping Ring



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

SUB-ASSEMBLY A

ITEM 4

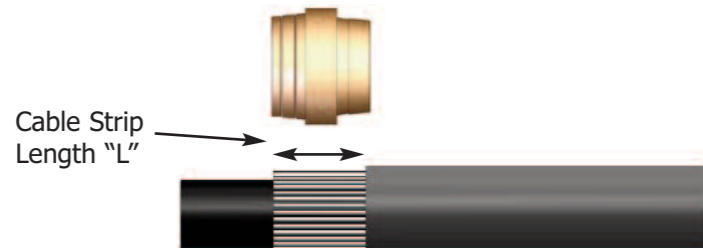
ITEM 5

SUB-ASSEMBLY B



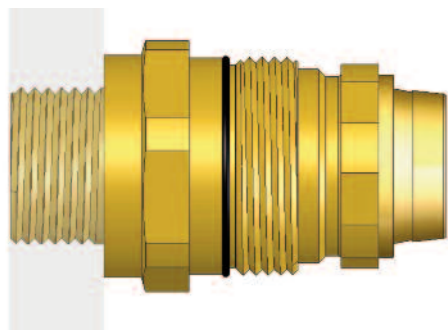
1. Separate the gland into two sub-assemblies, A and B, by unscrewing the body (2) from the entry item (1). Note that items (4) and (5) are loose items.

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"	12mm	15mm	18mm	20mm

3. Secure the entry components (sub-assembly A) into the equipment. **(Not for remote installation)** Pass the sub-assembly B and AnyWay clamping ring (5) over the cable, outer seal first. Insert the reversible armour cone (4) in the sub-assembly B, orientated correctly: (NOTE: The D3CDSX only has a single-sided braid cone supplied)

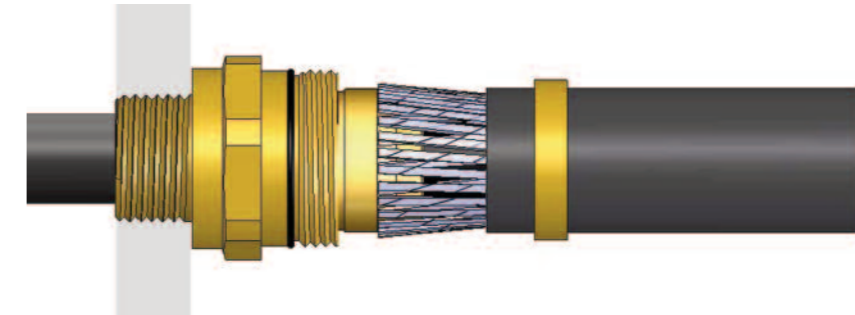


Grooved side of cone outwards - to terminate braid, strip armour, pliable wire or tape armour.

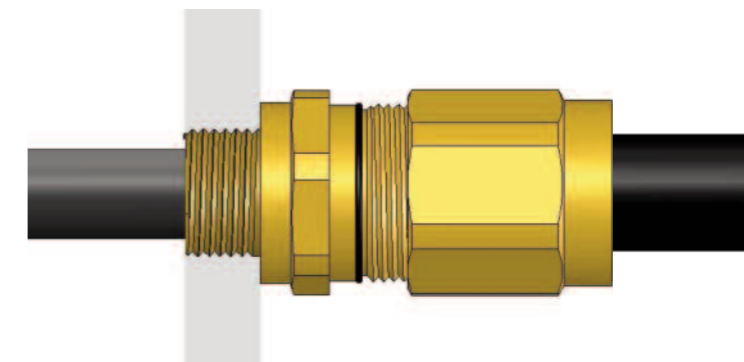


Stepped side of cone outwards - to terminate SWA cable.

4. Pass the cable through sub-assembly A, spacing the armour or braid evenly around the cone. Whilst continuing to push the cable forward to keep the cable braid or armour in contact with the cone, tighten the compensating sleeve (3) into the entry component (1) until all the threads are used. (Note that the internal compensator will prevent the cable gland inner seal from being over-tightened onto the cable inner sheath.)



5. Terminate the cable by tightening the body (2) onto the entry component (1) using a spanner on each part. Tighten the body until the body and entry components are metal to metal and cannot be tightened further.



This completes the installation.