

## INSTALLATION INSTRUCTION CABLE GLAND CW & CX



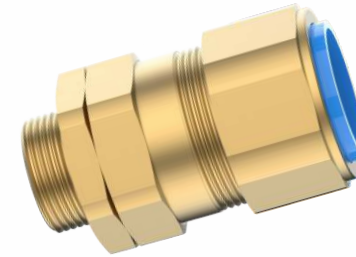
Technical Data	
Type	CW & CX
Design Standard	BS 6121: Part 1:1989, IEC/EN 62444
Ingress Protection Rating	IP 66
Process Control System	ISO 9001:2015
Operating Temperature	-40° C to + 110° C* / -60° C to + 185° C** (HT)
CE Certification No	
Optional Accessories	Earth Tag, Lock Nut, Serrated Washer, Entry Thread Sealing Washer, Shroud
Special Condition for Safe Use	None

- \* For this Temperature range : Standard Seal (Black Colour)  
 \*\* For this Temperature range : High Temperature Seal (Red Colour)

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**CABLE GLAND FOR USE WITH SINGLE WIRE ARMOUR (SWA) & ALUMINIUM WIRE ARMOUR (AWA) CABLES FOR CW AND WIRE BRAID ARMOUR, STRIP ARMOUR, PILABLE WIRE ARMOUR & STEEL TAPE ARMOUR CABLES FOR CX.**



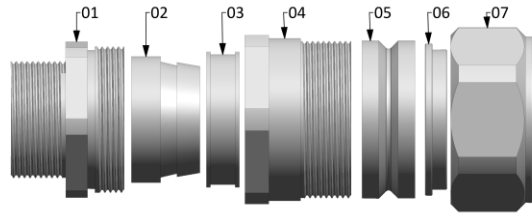
### INSTALLATION NOTES

1. Installation should only be performed by a competent person using the correct tools.
2. Ensure your gland is fully compatible with the cables you plan to attach it.
3. Installer must check material compatibility with enclosure & environment.
4. To maintain IP66 CABEX certified sealing washer or other approved sealing method must be used.
5. Entry threads are in accordance with Metric ISO 965-1 & ISO-965-3 or NPT ASME B1.20.1

CW & CX Industrial Cable Gland Selection Table														
Cable Gland Size	Gland Dimensions							Cable Dimensions						
	Entry Thread			Minimum Thread Length	Maximum Length	Across Flats	Across Corners	Cable Bedding Diameter	Overall Cable Diameter		Armour Range (CW)		Armour Range (CX)	
	Standard		Option						Min	Max	Min	Max	Min	Max
	Metric	NPT*	NPT*	Metric	Max	Max	Max	Max						
20S/16	M20	1/2"	3/4"	12.00	44.00	24.00	26.40	8.80	6.10	11.80	0.80	1.25	0.30	1.00
20S	M20	1/2"	3/4"	12.00	44.00	24.00	26.40	11.80	9.50	16.00	0.80	1.25	0.30	1.00
20	M20	1/2"	3/4"	12.00	45.00	30.50	33.55	14.20	13.00	20.90	0.80	1.25	0.30	1.00
25S	M25	3/4"	1"	12.00	53.50	37.50	41.25	20.00	14.00	22.00	1.25	1.60	0.40	1.20
25	M25	3/4"	1"	12.00	53.50	37.50	41.25	20.00	18.20	26.20	1.25	1.60	0.40	1.20
32	M32	1"	1-1/4"	12.00	52.00	46.00	50.60	26.30	23.70	33.90	1.60	2.00	0.40	1.20
40	M40	1-1/4"	1-1/2"	15.00	56.00	55.00	60.50	32.20	27.90	40.40	1.60	2.50	0.40	1.60
50S	M50	1-1/2"	2"	15.00	57.00	60.00	66.00	38.20	35.20	46.70	2.00	2.50	0.40	1.60
50	M50	2"	2-1/2"	15.00	58.50	70.00	77.00	44.00	40.40	53.00	2.00	2.50	0.50	1.60
63S	M63	2"	2-1/2"	15.00	69.00	75.00	82.50	50.00	45.60	59.00	2.00	2.50	0.50	1.60
63	M63	2-1/2"	3"	15.00	70.00	80.00	88.00	56.00	54.60	65.50	2.00	2.50	0.50	1.60
75S	M75	2-1/2"	3"	15.00	80.00	90.00	99.00	62.00	59.00	72.40	2.00	2.50	0.50	1.60
75	M75	3"	3-1/2"	15.00	80.00	100.00	110.00	68.00	66.70	78.50	2.50	3.15	0.50	1.60
90	M90	3-1/2"	4"	20.00	93.00	114.00	125.40	80.00	76.20	90.20	2.50	3.15	0.80	1.60

All dimensions are in millimetres (Except \* where dimensions are in inches)

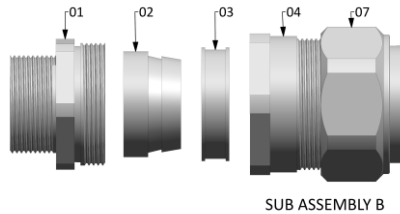
CABLE GLAND COMPONENTS



- 01 Entry Component
- 02 Detachable Armour Cone
- 03 Clamping Ring
- 04 Middle Body (Sub-Assembly B)
- 05 Thermoset Seal (Sub-Assembly B)
- 06 Skid Washer (Sub-Assembly B)
- 07 Compression Cap (Sub-Assembly B)

READ ALL INSTRUCTION CAREFULLY BEFORE INSTALLATION

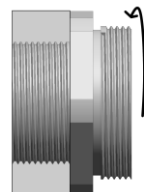
Step 1 : It is not required to dismantle the Gland any further than shown.



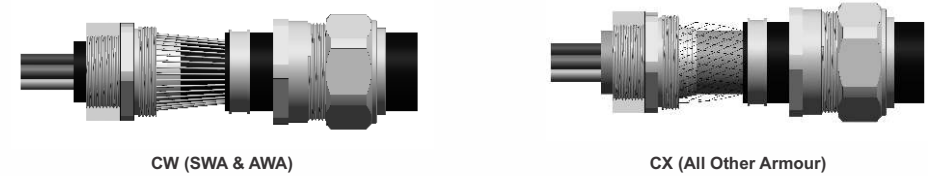
Step 2 : Separate components 01, 02, 03 from Sub-Assembly 'B' parts 04 to 07. Now pass the Sub-Assembly B (All 4 components 04,05,06,07 assembled as it is) & Clamping Ring over the cable. Use a suitable tool to remove the outer sheath of the cable to suit the geometry of the equipment. Remove a further 23mm(max) of outer sheath to expose the armour to a length that matches the size of the Gland.



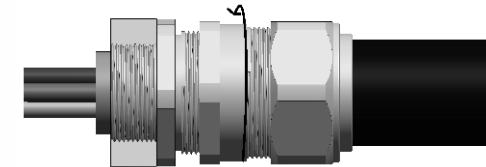
Step 3 : Fit the Entry Component- 01 into the equipment by tightening with a spanner.



Step 4 : Locate the Detachable Armour Cone-02 into the Entry Component-01. Pass the cable through the Entry Component-01 and evenly space the Braid /Armour around the Detachable Armour Cone.



Step 5 : Gently push the cable forward to maintain contact between the Braid / Armour and the Detachable Armour Cone-02, tighten the Middle Body-04 by hand until the Clamping Ring-03 is felt to have engaged the Braid /Armour. Now Hold the Entry Component-01 with one spanner and tighten the Middle Body-04 using a second spanner till the heavy resistance felt.



Step 6 : Tighten the outer seal Compression Cap-07 until light resistance to tightening is met. Now hold Middle Body-04 with one Spanner and tighten Compression Cap-07 one further turn with second Spanner.

