DC Flame Proof IIC

Technical Specification

Material :	Brass (IS-319) Standard, (Al. / S.S. / M.S. also available)
Plating :	Nickle Plated Standard, (Chrome also available)
Entry Threads :	BSC Standard (PG / Metric / NPT / BSP / also available)
Sealing Rubber Ring :	Neoprene
Gland Standard :	BS 6121, IS/IEC 60079-0:2004
Test Certi. No.	CIMFR/TC/P/H681
Standard Ref.	(a) As to general requirement IS:13346-2004 (b) As to flameproof construction IS/IEC 60079-1:2004 (c) As to weatherproof construction IP 66 as per IS/IEC 60529:2001
Series	MCF IIC

Application

Flame Proof Double Compression Glands are generally used in hydrogen gas/vapours area (for gas group IIC) as well as in normal climatic conditions also which are weather proof, water proof and dust proof (IP-66) which can be used in Hazardous climatic condition. Also when protected by PVC shrouds it can be used in corrosive atmosphere.

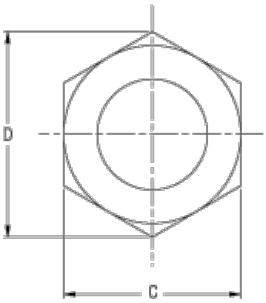
These glands are available in different sizes and are suitable for all cables upto 1000 sq. mm. and control cables upto 61 cores.

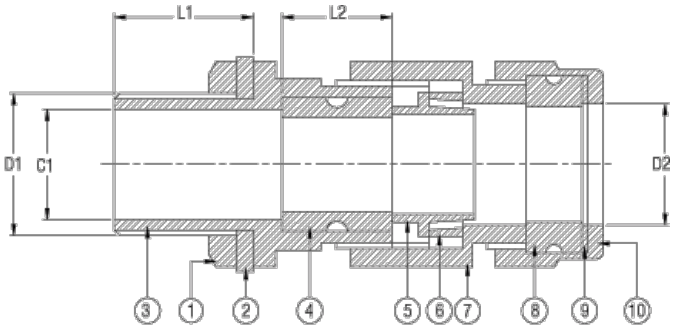
Accessories

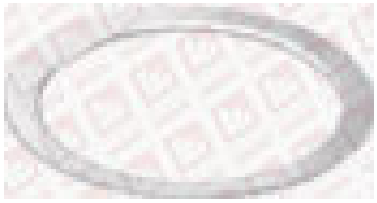
PVC Shroud, Earth Tag, Stopping Plug, Reducer, Adaptor, etc. are available with specified dimensions in accordance to the Gland separately.

Fitting Sequence:

- (a) Insert Part No. 10, 9, 8 & 7 respectively on the Outer Sheath of the cable before exposing the Armour.
- (b) After removing Outer Sheath of the cable, Insert Part No. 6 over the Exposed Armour.
- (c) Size Armour length, Lift Armour & Insert Part No. 5 under the Armour, Taper Part Facing Inward Side, Squeeze Part No. 5 by pushing Part No. 6 towards it.
- (d) Insert Part No. 4 & 3 on Inner Sheath, than tight Part No. 3 with Part No. 7 & Tight Part No. 10 with Part No. 7.
- (e) Finally apply the full fitted Gland in the Enclosure with the entry thread provided, if the Enclosure does not have thread than tight the Gland with the Part No. 1 provided.





				
1. Check Nut	2. Neoprene Entry Seal Ring	3. Nipple Entry Part	4. Neoprene Inner Seal Ring	5. Ar
				
6. Armour Clamping Ring	7. Main Gland Body	8. Neoprene Outer Seal Ring	9. Nylon Skid Washer	10. C

Table

Suitable Cable Overall Dia		MCI Code	D1 Nipple Entry	D2 Dia.	L1 Length	L2 Length	C (A/F)	D (A/F)	C1 Dia.
From	To	MCF IIC Series	Inches	Ã mm	mm	mm	mm	mm	Ã mm
8.0	12.0	MCF IIC 01SS	3/4"	16.0	25.0	27.0	22.0	25.0	14.0
12.0	16.5	MCF IIC 01S	3/4"	17.5	25.0	27.0	25.0	29.0	14.5

16.5	18.5	MCF IIC 01	3/4"	20.0	25.0	27.0	29.0	33.0	14.5
16.5	18.5	MCF IIC 01A	1"	20.0	25.0	27.0	28.0	32.0	20.5
18.5	20.0	MCF IIC 02	1"	21.0	25.0	27.0	29.5	34.0	19.0
18.5	20.0	MCF IIC 02A	3/4"	21.0	25.0	27.0	29.5	33.0	15.0
20.0	23.0	MCF IIC 03	1"	23.5	25.0	27.0	31.0	36.0	20.0
23.0	26.0	MCF IIC 04	1"	27.0	25.0	27.0	36.0	41.0	20.0
23.0	26.0	MCF IIC 04A	1 1/4"	27.0	25.0	27.0	36.0	41.0	26.0
26.0	30.0	MCF IIC 05	1 1/4"	32.0	25.0	27.0	40.0	46.0	26.0
26.0	30.0	MCF IIC 05A	1 1/2"	32.0	25.0	27.0	40.0	46.0	33.0
30.0	33.0	MCF IIC 06	1 1/2"	35.0	25.0	27.0	46.0	52.5	31.0
30.0	33.0	MCF IIC 06A	1 1/4"	35.0	25.0	27.0	46.0	52.5	27.0
33.0	37.0	MCF IIC 07	1 1/2"	39.0	25.0	27.0	48.5	56.0	32.0
37.0	41.0	MCF IIC 08	2"	44.0	25.0	27.0	55.5	64.0	43.5
41.0	46.0	MCF IIC 09	2"	47.0	25.0	27.0	56.5	65.0	42.0
46.0	52.0	MCF IIC 010	2"	54.0	25.0	27.0	65.0	75.0	45.0
46.0	52.0	MCF IIC 010A	2 1/2"	54.0	25.0	27.0	66.0	76.0	55.0
52.0	56.0	MCF IIC 011S	2 1/2"	58.0	25.0	27.0	71.0	82.0	56.0
56.0	60.0	MCF IIC 011	2 1/2"	61.0	25.0	27.0	78.0	96.0	56.0
60.0	66.0	MCF IIC 012	3"	67.0	25.0	27.0	84.0	96.0	64.0
66.0	72.0	MCF IIC 013A	3"	83.0	25.0	27.0	90.0	103.0	68.0
72.0	78.0	MCF IIC 013	3 1/4"	83.0	25.0	27.0	98.5	113.0	74.0
78.0	84.0	MCF IIC 014	3 1/2"	88.0	25.0	27.0	102.0	117.0	78.0
84.0	94.0	MCF IIC 015	4"	97.0	25.0	27.0	115.0	132.0	90.0
94.0	104.0	MCF IIC 016	4 1/2"	101.0	25.0	27.0	126.0	145.0	102.0

Tolerance
± 1mm