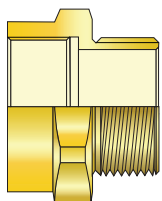


737

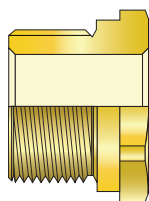
Ex e Ex d Ex ta

737 Adaptors & Reducers, Globally Approved, Explosive Atmosphere Cable / Conduit Accessory

- Used for thread conversion
- Wide range of thread types & sizes
- General purpose / industrial version available
- Equipment interface 'O' ring seal available
- 60°C to +200°C (metallic versions)
- Globally marked, IECEx, ATEX, UL & cCSAus



CMP 737 Adaptor



CMP 737 Reducer

HOW TO ORDER

e.g. 737-D-M-2-M-3-4 = Dual Certified Ex d & Ex e – M20 (M) x M25 (F) – Stainless Steel

Please refer to Ordering Guide Tables for reference definitions, denoting material variants. When ordering please notify CMP Products in your order if alternative approval markings are required.

When ordering Adaptors & Reducers always state the Male Thread size first.

Other Thread Variations are available on request. Please refer to Table C on page 139.

It should be noted that when using CMP Type 737 Thread Conversion Adaptors and Reducers in association with Explosion Protected electrical equipment the following basic rules must be observed in line with good engineering practice:

- For direct entry Ex d applications, only adaptor or reducer should be used per cable entry.
- The female connection thread of a Thread Conversion Adaptor shall "step" not more than two "size" up in the case of a thread gender change. Example; M20 (M) to M32 (F) or M20 (M) to 1" NPT (F) is permitted. Whereas M20 (M) to M40 (F) or M20 (M) to 1-1/2" NPT (F) is not permitted.

TECHNICAL DATA

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA13ATEX1265X
Code of Protection	II 2G Ex d IIC Gb, Ex e IIC Gb, II 1D Ex ta IIIC Da IM2 Ex d I Mb, Ex e I Mb (II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da only on Nylon version)
Compliance Standards	EN 60079-0,1,7,31
IECEx Certificate	IECEx SIR13.0094X
Code of Protection	Ex d I Mb, Ex e I Mb, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da (Ex e IIC Gb, Ex ta IIIC Da only on nylon version)
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1055233
Code of Protection	Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; Class II groups E, F and G; Class III, Ex de II, Class I, Zone 1, AEx de II; (Not available in Nylon)
Compliance Standards	C22.2 No.0, 0.5, 30, 94,CAN/CSA E60079-0,1, 7, CAN-CSA E61241-1, UL50 Edition 11, UL1203 Edition 4, UL 60079-0,1,7
UL Certificate	E214221 (Reducers with NPT or Metric Threads only)
Code of Protection	Class I Groups A,B,C,D; Class II Groups E,F,G; Class III
Compliance Standards	UL 1203
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.Г505.В00138
KCC Certificate	14-GA4B0-0249X
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1142X
Compliance Standards	GB3836.1, 2, 3
INMETRO Approval	TÜV 12.1332X
RETIE Approval	03866
Marine Approvals	LRS: 01/00173 (E1), ABS: 01-LD234401C/2-PDA,
Continuous Operating Temperature	-60°C to +200°C (Metallic), -20°C to +60°C (Nylon)
Ingress Protection Rating	IP66, IP67 & IP68 (when fitted with CMP sealing accessories)
Available Materials	Electroless Nickel Plated Brass, Brass, Nylon, Stainless Steel, Aluminium

737

Dimension Data Tables

- 1 Select male thread on the left hand column of table "A"
- 2 Select the female thread size at the top of table "A", prefixed "A" for Adaptor and "R" for Reducer
- 3 Using this reference number, please refer to the corresponding dimensions in Table "B"

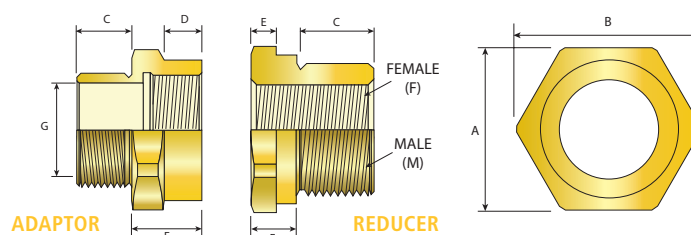


Table A

[illegible]

Additional sizes available upon request

Table B

737 ADAPTOR DETAIL	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25
Across Flats Dimension "A"	22.0	24.0	24.0	24.0	24.0	27.0	28.0	30.0	30.0	30.0	30.0	31.5	31.5	31.5	31.5	33.0	33.0	36.0	36.0	36.0	36.0	41.0	41.0	41.0	46.0
Across Corners Diameter "B"	24.2	26.4	26.4	26.4	26.4	29.7	30.8	33.0	33.0	33.0	33.0	34.7	34.7	34.7	34.7	36.3	36.3	39.6	39.6	39.6	39.6	45.1	45.1	45.1	50.6
Male Thread Length (Metric) "C"	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	-
Male Thread Length (NPT) "C"	20.5	-	20.5	20.5	20.5	20.5	-	20.5	20.5	20.5	20.5	-	-	-	-	-	-	20.5	20.5	20.5	25.3	20.5	20.5	20.5	20.2
Female Thread Length (Metric) "D"	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	-	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	-
Female Thread Length (NPT) "D"	16.0	-	16.0	16.0	16.0	16.0	-	16.0	16.0	16.0	16.0	-	-	-	-	16.0	-	16.0	16.0	16.0	16.0	16.0	16.0	16.0	17.0
Protusion Length "F"	19.7	19.7	20.8	19.8	21.9	21.9	19.7	20.3	19.8	19.8	19.7	19.4	21.5	19.7	24.7	19.8	19.8	20.0	19.7	19.7	19.7	19.7	20.0	20.2	21.1
Nominal Bore "G"	9.7	8.5	10.0	13.0	13.5	13.2	14.0	13.5	8.8	16.0	19.0	11.8	14.3	20.0	20.0	16.0	20.0	14.0	20.0	22.0	26.0	14.7	20.0	26.0	14.0
A26	A27	A28	A29	A30	A31	A32	A33	A34	A35	A36	A37	A38	A39	A40	A41	A42	A43	A44	A45	A46	A47	A48	A49	A50	
Across Flats Dimension "A"	46.0	46.0	46.0	46.0	46.0	50.0	50.0	55.0	55.0	55.0	55.0	55.0	55.0	60.0	60.0	60.0	60.0	65.0	65.0	65.0	65.0	65.0	70.1	70.1	70.1
Across Corners Diameter "B"	50.6	50.6	50.6	50.6	50.6	55.0	55.0	60.5	60.5	60.5	60.5	60.5	60.5	66.0	66.0	66.0	66.0	71.5	71.5	71.5	-	71.5	71.5	71.7	71.7
Male Thread Length (Metric) "C"	15.0	15.0	15.0	15.0	15.0	-	15.0	15.0	15.0	15.0	15.0	17.3	15.0	15.0	15.0	15.0	15.0	15.0	-	-	-	15.0	-	15.0	-
Male Thread Length (NPT) "C"	-	20.5	25.3	25.9	-	20.8	-	-	25.3	26.2	-	26.4	-	25.9	26.4	-	-	25.9	26.4	27.2	27.2	-	25.3	-	26.4
Female Thread Length (Metric) "D"	16.0	16.0	16.0	16.0	-	17.0	16.0	16.0	16.0	16.0	-	16.0	16.0	16.0	16.0	16.0	16.0	16.0	17.0	17.0	-	16.0	16.0	16.0	-
Female Thread Length (NPT) "D"	-	16.0	16.0	16.0	16.0	-	-	-	16.0	16.0	17.0	16.0	16.0	16.0	15.0	17.0	-	-	17.0	17.0	17.0	-	16.0	17.0	17.0
Protusion Length "F"	20.2	20.7	21.2	21.0	19.5	20.8	28.6	19.7	21.3	25.9	19.7	21.0	22.0	19.7	19.7	19.9	19.7	21.4	20.0	20.4	18.9	22.0	22.7	20.5	19.9
Nominal Bore "G"	19.0	20.0	26.0	31.8	34.5	20.0	32.0	26.0	26.0	31.7	34.0	37.7	43.6	32.0	37.0	39.7	42.0	32.0	37.7	40.5	43.0	44.2	26.0	32.0	38.0
A51	A52</																								

please note - Figures for guidance only - please contact CMP for further details

Additional sizes available upon request

Non-Certified Adaptor

CMP CABLE & CONDUIT ACCESSORIES

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