



Adaptor

## Thread Conversion Adaptor & Reducer Type 737 with Flameproof Ex d IIC & Increased Safety Ex e II forms of protection.

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The CMP Type 737 range of Thread Conversion Adaptors & Reducers is designed to provide flexibility and versatility in the execution of construction works when there is a conflict between the type or size of the cable gland thread and the cable entry hole in the equipment. These Thread Conversion Adaptors & Reducers are available with Male to Female connection threads and can be supplied with thread conversion between the forward and rear threads to either an increased or reduced size or a different thread type, e.g. Metric to NPT, or NPT or Metric. Please refer to the Product Selection Table For 737 Adaptors and Reducers listed as a PDF below.

CMP 737 Thread Conversion Adaptors & Reducers are available in Brass, Aluminium, Stainless Steel or Nylon and can be supplied for both Industrial and Hazardous Area applications, with Ex "d" & Ex "e" Component Approval (Nylon Version is Ex e only).

The CMP 737 Adaptor & Reducer range is also optionally available with an integral "O" Ring seal when the male thread is parallel.



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# TECHNICAL DATA

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cCSAus Approval Certificate No.	<a href="#">1055233</a>
cCSAus Code of Protection Category	Ex de II; Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; IP66, 67, and 68, Enclosure Type 4X (Not available in Nylon)
cCSAus Compliance Standards	C22.2 No. 0.5-M1982, C22.2 No. 30-M1986, C22.2 No. 94-M1991, CAN/CSA E60079-0:07, CAN/CSA E60079-1:07, CAN/CSA E60079-7:02, UL Standard 50, Eleventh Edition, UL Standard 1203, Fourth Edition, UL 60079-0, Fourth Edition, UL 60079-1, Fifth Edition, UL 60079-7, First Edition
GOST R Certificate Number	<a href="#">POCC GB.HO06.B00207</a>
GOST R Code of Protection Category	Ex d IIC / Ex e II / DIP A21 (Ex e II only on Nylon version)
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	<a href="#">PPC 00-40706</a>
GOST K Certificate Number	<a href="#">KZ 75000361 01 01 14761</a>
RoK Permit For Use Number	<a href="#">19-02-UL-1957</a>
Lloyds Approval No.	<a href="#">01/00173</a>
DNV Approval No.	<a href="#">E-10496</a>
ABS Approval No.	<a href="#">01-LD234401C/1-PDA</a>
INMETRO Approval Certificate Number.	<a href="#">AEX-13106-U</a>
INMETRO Code of Protection Category	BR-Ex d IIC / BR-Ex e II (BR-Ex e II only on Nylon version)
INMETRO Compliance Standards	ABNT NBR IEC 60079-0:2006, IEC 60079-1:2007 e IEC 60079-2007:2001
NEPSI Certificate Number	<a href="#">GYJ091017X</a>
NEPSI Code of Protection Category	Ex d IIC / Ex e II (Ex e II only on Nylon version)
NEPSI Compliance Standards	GB3836.1-2000, GB3836.2-2003, GB3836.3-2000
RETIE Approval Number	<a href="#">03866</a>
Type	737
Design Specification	<a href="#">EN 50262:1989, BS 6121:Part 1:1989</a>
ATEX Certification Detail	<a href="#">SIRA01ATEX1284U, SIRA02ATEX1003X</a>
ATEX Code of Protection Category	ATEX II 2 GD Ex d IIC & Ex e II - Component & Equipment, Zone 1, Zone 2, Zone 21, & Zone 22 - Gas Groups IIA, IIB, IIC, ATEX II 2 GD Ex d I, Ex e I, (ATEX II 2 GD Ex e II only on Nylon Version)
ATEX Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 50281-1-1
IEC Ex Certification Detail	<a href="#">IEC Ex SIR07.0056X</a>
IEC Ex Code of Protection Category	Ex d I, Ex e I, Ex d IIC, Ex e II, Ex tD A21 IP6X (Ex e II only on Nylon version)
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +200°C (Metallic), -20°C to +60°C (Nylon)
Ingress Protection Rating	IP66 or IP68 when fitted with a CMP "O" Ring or Entry Thread Seal
Material	Brass, Electroless Nickel Plated Brass, Aluminium, Stainless Steel
Accessories	<a href="#">Serrated Washer</a> , <a href="#">Earth Tag</a> , <a href="#">Locknut</a> , <a href="#">Entry Thread Sealing Washer</a>

## 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

Marked with ATEX, IECEx and cCSAus certification details as standard. 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.

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

Please refer to the Product Selection Table and the Ordering Definitions (detailed under Additional Information) for reference definitions. Other Thread Variations are available on request. Please refer to Product Selection Table (detailed under Additional Information) for dimensions

### Key to Ordering References for 737 Adaptors & Reducers

Product Type	Form of Protection	Options	Male Thread Form	Male Thread Size	Female Thread Form	Female Thread Size	Material
From Index on Ordering Definitions	From Table A Ordering Definitions	From Table B Ordering Definitions	From Table C Ordering Definitions	From Table D Ordering Definitions	From Table C Ordering Definitions	From Table D Ordering Definitions	From Table E Ordering Definitions
737	D	R	M	3	M	2	4

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:-

- No more than one conversion adaptor or reducer should be used at one time on any given cable entry.
- Stopping plugs should be fitted directly into unused entries of the equipment, and not into an adaptor or reducer.
- 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  
Where as M20 (M) to M40 (F) or M20 (M) to 1-1/2" NPT (F) is not permitted

Table with columns A01-A25 and rows for dimensions: Across Flats Dimension 'A', Across Corners Diameter 'B', Male Thread Length 'C', Female Thread Length 'D', Protrusion Length 'F', and Nominal Bore 'G'. It includes sub-sections for 737 ADAPTOR and 737 REDUCER details.

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

Female Thread Size

Table mapping Metric (M1-M10), NPT & BSPP (1-1/2, 2, 2-1/2, 3, 3-1/2, 4), and PG (PG7-PG11) thread sizes to their corresponding adaptor part numbers.

METRIC

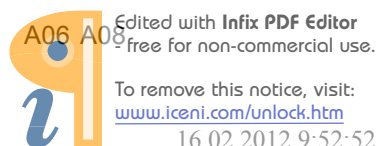
Main table for Metric thread sizes, showing part numbers for various diameters (A0-A10) and lengths (A1-A12) for adaptor types M16, M20, M25, M32, M40, M50, M63, M75, M90, and M100.

NPT & BSPP

Main table for NPT & BSPP thread sizes, showing part numbers for various diameters (A0-A10) and lengths (A1-A12) for adaptor types 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", and 4".

PG

Table for PG thread sizes, showing part numbers for diameters A0-A10 and lengths A1-A4 for adaptor types PG7, PG9, and PG11.



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PG13 A0 A0 A0 A0

.5 3 3 6 8

PG16 R0 A0 A0 A0 A1

2 6 6 8 1

PG21 R0 R0 A0 A0 A1 A1

3 3 9 9 2 5

PG29 R0 R0 R0 R0 A1 A1 A2

4 4 4 4 4 7 4

PG36 R0 R0 R0 R0 R0 A1 A2 A3

5 5 5 5 5 8 5 3

PG42 R0 R0 R0 R0 R0 A2 A2 A3

6 6 6 6 6 2 6 4

PG48 R0 R0 R0 R0 R0 R0 A2 A3 A3

7 7 7 7 7 7 5 8

A0 A0 A0

3 6 8

A0 A0 A0 A11

6 6 8

R0 A0 A0 A12

3 9 9

R0 R0 A1 A14 A17 A2

4 4 4 0

R0 R0 R0 A18 A18 A2

5 5 5 1

R0 R0 R0 R06 R06 A2 A30

6 6 6 2

R0 R0 R0 R07 R07 A2 A31 A3

7 7 7 7 8

R0 R0

1 1 A03 A03 A06 A08 A11

R0 R0 R02 A06 A06 A08 A11

2 2

R0 R0 R03 R03 A09 A09 A12 A15

3 3

R0 R0 R04 R04 R04 R04 A14 A17 A20

4 4

R0 R0 R05 R05 R05 R05 A18 A21 A25

5 5

R0 R0 R06 R06 R06 R06 R06 A22 A26

6 6

R0 R0 R07 R07 R07 R07 R07 A27

7 7

**Related Links**

- [How To Order](#)
- [Product Selection Table](#)



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