



EU Type Examination Certificate CML 18ATEX1320X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Type 737, 747, 757, 767 and 797 Ranges of Adaptors, Reducers and Stopping Plugs**
- 3 Manufacturer **CMP Products Limited**
- 4 Address Unit 36 Nelson Way,
Nelson Park East, Cramlington,
NE23 1WH, UK
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 CML B.V. , Chamber of Commerce No 6738671, Hoogoorddreef 15, Amsterdam, 1101 BA, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.

- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN 60079-0:2018 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014

- 10 The equipment shall be marked with the following:

Metallic Version



I M2 Ex db I Mb or Ex eb I Mb
II 2 G Ex db IIC Gb and/or Ex eb IIC Gb
II 1 D Ex ta IIIC Da

Non-metallic Version



II 2 G Ex eb IIC Gb
II 1 D Ex ta IIIC Da

(Note: Equipment marked with mining code are not available in Aluminium)

A Snowden



11 Description

Type 737 and 797 ranges of adaptors and reducers

The Type 737 Range of Adaptors and Reducers are manufactured from metallic or non-metallic material and are used to convert an existing cable entry aperture to another thread form and/or size in an enclosure. They comprise a hollow hexagonal body, partly threaded from both ends, one end having a male thread and the other a female thread. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. When structured as an adaptor the female thread is larger than the male thread, a maximum of two "standard" size differences is allowed. When structured as a reducer the female thread is smaller than the male thread. The adaptors and reducers may also be fitted with an optional O-ring seal.

The Type 797 Range of Adaptors with entry thread form sizes between M16 x 1.5 and M100 x 2.0, intended for mounting to a threaded entry point on enclosures. They are metallic and are used to convert an existing cable entry aperture to the opposite male or female thread form. They comprise a hollow body partly threaded from both sides with either male threads or female threads at each end. Additionally, they may be used to convert an existing cable entry aperture to a different thread form and/or size. Thread combinations are such that a maximum of two 'standard' size differences is maintained. The male to male threaded adaptors may also be fitted with optional O-ring seals.

Design options for the Type 737 and 797 ranges:

Typical thread forms:

Note: Table below shows one 'standard' size difference; other combinations are possible as detailed above.

Adaptors	
Male thread form	Female thread form
M16x1.5*	M20x1.5*
M20x1.5	M25x1.5
M25x1.5	M32x1.5
M32x1.5	M40x1.5
M40x1.5	M50x1.5
M50x1.5	M63x1.5
M63x1.5	M75x1.5
M75x1.5	M90x2.0
M90x2.0*	M100x2.0*

Reducers	
Male thread form	Female thread form
M20x1.5	M16x1.5
M25x1.5	M20x1.5
M32x1.5	M25x1.5
M40x1.5	M32x1.5
M50x1.5	M40x1.5
M63x1.5	M50x1.5
M75x1.5	M63x1.5
M90x1.5	M75x2.0
M100x2.0*	M90x2.0*

- i. The Type 737 is available in non-metallic and metallic sizes. Those marked with * are for metallic sizes, only.
- ii. Intermediate sizes of threads within the range above providing the same or greater wall thickness e.g. M80.



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Alternative nearest equivalent male thread forms:

ET Conduit	BS 31:1940 (1979)
PG	DIN 40430:1971
BSPP	BS 2779:1986
BSPT	BS 21:1985
ISO	ISO 7/1:1994 (Metallic designs only)
NPT	ANSI/ASME B1.20.1-2013
NPT	USAS B2.1-1968 (Metallic designs only)
NPSM	ANSI/ASME B1.20.1-2013
BSW	BS 84:1956 (Metallic designs only)

Alternative material of manufacture:

Brass	BS EN 12164:2011 / BS EN 12168:2011
Aluminium	BS EN 573-3:2013 / BS EN 755-1-3:2008 / BS EN 1676:2010 (not Group I)
Mild Steel	BS EN 10277-2:2008
Stainless Steel	BS EN 10088-3:2014
Glass reinforced flame-retardant nylon (737 range only) (Not Group I)	

Types 747, 757 and 767 Ranges of Stopping Plugs

The Type 747 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a portion at one end. Each has a socket head recess to allow fitting and removal. The Stopping Plugs are available in two forms designated as either non-tamperproof or tamperproof by the manufacturer. When fitted into an enclosure, the socket head recess of the non-tamperproof version is accessible from the outside, whilst the socket head recess of the tamperproof version is only accessible from the inside.

The Type 757 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a hexagonal head at one end. The body may also be fitted with an integral O-ring seal.

The Type 767 Range of Stopping Plugs are manufactured from metallic or non-metallic material and comprise a cylindrical body with an external male thread along their length with the exception of a domed head at one end. The face of the domed head contains a socket head recess to allow fitting and removal. The body may also be fitted with an integral O-ring seal.

Design options for the Type 747,757 and 767 ranges of Stopping Plugs:

Typical thread forms:

M16x1.5 (metallic sizes only)	M20x1.5	M25x1.5	M32x1.5	M40x1.5
M50x1.5	M63x1.5	M75x1.5	M90x2.0	M100x2.0



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Alternative nearest equivalent male thread forms to the metric sizes listed above may be utilised from the following types:

ET Conduit	BS 31:1940 (1979)
PG	DIN 40430:1971
BSPP	BS 2779:1986
BSPT	BS 21:1985
ISO	ISO 7/1:1994 (Metallic designs only)
NPT	ANSI/ASME B1.20.1-2013
NPT	USAS B2.1-1968 (Metallic designs only)
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Mild Steel	BS EN 10277-2:2008
Stainless Steel	BS EN 10088-3:2014
Glass reinforced flame-retardant nylon (737 range only) (Not Group I)	

Notes:

- Certificate Sira 13ATEX1265X is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by Sira 13ATEX1265X.
- Where Sira 13ATEX1265X is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	18 Feb 2019	R12060D/00	The issue of the prime certificate.

Note: Drawings that describe the equipment or component are listed in the Annex.



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13 Conditions of manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- 13.1 Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- 13.2 Non-metallic and aluminium adaptors, reducers and stopping plugs shall not bear any group I marking.

14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

- 14.1 For flameproof type “db” applications, only one adaptor or reducer shall be used per cable entry.
- 14.2 The adaptors, reducers and stopping plugs shall be assembled in such a way that their protrusion from an associated enclosure is not increased.
- 14.3 The interfaces between a male thread of an adaptor/reducer and an associated enclosure, between a female thread of an adaptor/reducer and a cable entry device, and between a stopping plug and an associated enclosure cannot be defined. Therefore, it is the installer's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
- 14.4 Non-metallic adaptors, reducers and stopping plugs shall not be used in enclosures where the temperature, at the point of mounting, is outside the range of -20°C to +60°C.
- 14.5 The installer shall refer to the manufacturer's instructions for the action necessary regarding the electrostatic risk associated with non-metallic adaptors, reducers and stopping plugs.
- 14.6 Any cable gland used with the non-metallic adaptors and reducers shall be non-metallic.



Certificate Annex

Certificate Number CML 18ATEX1320X
Equipment Type 737, 747, 757, 767 and 797 Ranges of Adaptors, Reducers and Stopping Plugs
Manufacturer CMP Products Limited

The following documents describe the equipment or component defined in this certificate:

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Drawing No	Sheets	Rev	Approved date	Title
GA077	1 of 1	06	11 Feb 2019	ATEX Adaptors, Reducers and Stopping Plugs
GA133	1 of 1	05	11 Feb 2019	ATEX Non-metallic Adaptors, Reducers and Stopping Plugs
GA134	1 of 1	03	11 Feb 2019	Type 797 Male/Male & Female/Female Adaptors
GA307	1 of 1	03	11 Feb 2019	Type 737 & Type 797 Adaptors (Optional Sizes)
SCH0070	1 of 1	07	11 Feb 2019	Adaptor/Reducer Cross-reference chart