IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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Certificate No.: **IECEx CES 22.0009X**

Certificate history:
Issue 0 (2022-04-14)

Status: **Current**

Issue No: 1

Date of Issue: 2025-09-23

Applicant: **Bimed Teknik Aletler San. Ve Tic. A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy, Istanbul
Türkiye

Equipment: **Cable glands, seies; VOL**, VOLC**, VOLF**, VOLM** - VOLS**, VOLSC**, VOLSF**, VOLSM** - VOLE**, VOLEC**, VOLEF**, VOLEM** - CRX**, CRXC**, CRXF**, CRXM****

Optional accessory:

Type of Protection: **Flameproof enclosures ‘d’; increased safety 'e'; Dust ignition protection 't'**

Marking: **VOL**** and **VOLS**** types only:

Ex db I Mb and **Ex eb I Mb** and/or **Ex db IIC Gb** and **Ex eb IIC Gb** and

Ex tb IIIC Db - IP66/68

VOLE** types only:

Ex eb IIC Gb and

Ex tb IIIC Db - IP66

CRX** types only:

Ex eb IIC Gb and

Ex tb IIIC Db - IP66/68 :

Approved for issue on behalf of the IECEx Certification Body: **Alessandro Fedato**

Position: **Head of IECEx CB**

Signature:
(for printed version)

Date:
(for printed version)

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3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

CESI
Centro Elettrotecnico
Sperimentale Italiano S.p.A.
Via Rubattino 54
20134 Milano
Italy

IECEx Certificate of Conformity

Certificate No.: **IECEx CES 22.0009X**

Date of issue: 2025-09-23

Issue No: 1

Manufacturer: **Bimed Teknik Aletler San. Ve Tic. A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy, Istanbul
Türkiye

Manufacturing locations: **Bimed Teknik Aletler San. Ve Tic. A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy, Istanbul
Türkiye

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2014 Edition:7.0 — Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-31:2013 Edition:2 — Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

IEC 60079-7:2017 Edition:5.1 — Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

IT/CES/ExTR22.0013/00 IT/CES/ExTR25.0019/00

Quality Assessment Report:

IT/CES/QAR12.0003/12

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Cable glands VOL** and VOLS** (commercial gland family name VOLANS Ex-db) series are suitable for inserting circular shielded, braided, tape armoured, wire armoured and armoured lead sheathed cables into Ex db enclosures having threaded entries and Ex eb or Ex tb enclosures having either threaded or plain entries.

The cable glands VOL** and VOLS** types are designed for the following different uses:
- VOL** and VOLS** types receive circular cables.
- VOLM** and VOLSM** types receive circular cables with a Male treaded hub.
- VOLF** and VOLSF** types receive circular cables with a Female treaded hub.
- VOLC** and VOLSC** types receive circular cables with a hose connection hub.

Cable glands VOL** and VOLS** types with thread sizes lower than M20 or 1/2”NPT are not admitted for Group I (mines) applications.

The Cable glands VOLE** (commercial gland family name VOLANS Ex-eb) series are suitable for inserting circular shielded, braided, tape armoured, wire armoured cables into Ex eb or Ex tb enclosures having either threaded or plain entries.
The Cable glands VOLE** types are designed for the following different uses:
- VOLE** types receive circular cables.
- VOLEM** types receive circular cables with a Male treaded hub.
- VOLEF** types receive circular cables with a Female treaded hub.
- VOLEC** types receive circular cables with a hose connection hub.

The Cable glands CRX** (commercial gland family name CRUX Ex-eb) series are suitable for inserting circular cables into Ex eb or Ex tb enclosures having either threaded or plain entries.
The cable glands CRX** types are designed for the following different uses:
- CRX** types receive circular cables.
- CRXM** types receive circular cables with a Male treaded hub.
- CRXF** types receive circular cables with a Female treaded hub.
- CRXC** types receive circular cables with a hose connection hub.

The cable glands characteristics are further described in the Annexe of this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The coupling of the cable glands with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
- The cable glands shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.
- The cable glands **VOL**** and **VOLS**** series have to be protected from hydraulic fluids, oils and greases when applied for Group I (mines) applications.
- The cable glands **VOL**** and **VOLS**** series with sizes lower than M20 and 1/2”NPT are not admitted for Group I (mines)
- When the cable glands **.** and **VOLS..** series are designed for use in Group I (mines) applications:
  - the cables should be installed in compliance with the requirements of the local code of practice;
  - conduits should provide additional mechanical protection only.
- The cable glands **VOLE**** and **CRX**** series are not admitted for Ex d and/or Group I (mines) applications.
- The cable glands **VOLE**** series when used with braided or shielded cables and **CRX**** series, are only suitable for fixed installations. The cables must be effectively clamped to prevent pulling and twisting.
- The cable glands shall be installed in such a way that the temperature at the mounting point will remain within the service temperature ranges accordingly to the marking.
- The degree of protection IP 66 and IP 68 according to the IEC 60529 standard will be guaranteed for the cable glands if the holes into which cable glands are mounted are suitably sealed. To this scope the correct positioning of the gaskets (for cylindrical threads) or the application of sealant on the threads (for tapered threads), shall be done as indicated in the manufacturer instruction.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1

Variation 1.1

The address of the company and the manufacturing site have been changed from:

S.S Bakir Pirinç Sanayi Sitesi Leylak Caddesi No: 16

TR-34524 Beylikdüzü – Istanbul (Turkey)

To:

Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No.28 İç Kapı No: 1

TR-34555 Arnavutköy, Istanbul – Turkey

No other changes were applied to the above mentioned Equipment.

Annex:

BIMED - IECEx CES 22.0009X Issue 1 ANNEX - Cable glands series VOL_VOLS_VOLE_CRX_1.pdf

IECEx Certificate of Conformity

Prot: C5013912

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

Description of product

The Cable glands **VOL**** and **VOLS**** (commercial gland family name VOLANS Ex-db) series are suitable for inserting circular shielded, braided, tape armoured, wire armoured and armoured lead sheathed cables into Ex db enclosures having threaded entries and Ex eb or Ex tb enclosures having either threaded or plain entries. Attachment of the glands to an enclosure is by means of the male threaded portion on the male body.

An elastomeric inner sealing ring is used to realize sealing between the cable and the gland body. Ingress protection of **IP66/68** (50 m for 30 min.) is maintained when the glands are installed in accordance with the manufacturer's instructions.

The cable glands **VOL**** and **VOLS**** series are designed for the following different uses:

- **VOL**** and **VOLS**** types receive circular cables.
- **VOLM**** and **VOLSM**** types receive circular cables with a Male treaded hub.
- **VOLF**** and **VOLSF**** types receive circular cables with a Female treaded hub.
- **VOLC**** and **VOLSC**** types receive circular cables with a hose connection hub.

Shielded, braided, tape and wire armoured cables clamping: when the upper body is screwed onto the lower body, the braid or armouring wires of the cable are clamped between the grounding cone on which the reversible armour cone ring is placed. Furthermore, a special spring is provided when used for lead sheathed cables to ground the lead sheath.

Cable glands VOL and VOLS** types with thread sizes lower than M20 or 1/2"NPT are not admitted for Group I (mines) applications.**

The Cable glands **VOLE**** (commercial gland family name VOLANS Ex-eb) series is suitable for inserting circular shielded, braided, tape armoured, wire armoured cables into Ex eb or Ex tb enclosures having either threaded or plain entries. Attachment of the glands to an enclosure is by means of the male threaded portion on the male body.

An elastomeric inner O-ring is used to realize sealing between the cable and the gland body. Ingress protection of **IP66** is maintained when the glands are installed in accordance with the manufacturer's instructions.

The Cable glands **VOLE**** series is designed for the following different uses:

- **VOLE**** types receive circular cables.
- **VOLEM**** types receive circular cables with a Male treaded hub.
- **VOLEF**** types receive circular cables with a Female treaded hub.
- **VOLEC**** types receive circular cables with a hose connection hub.

Shielded, braided, tape and wire armoured cables clamping: when the upper body is screwed onto the lower body, the braid or armouring wires of the cable are clamped between the grounding cone on which the reversible armour cone ring is placed.

The Cable glands **CRX**** (commercial gland family name CRUX Ex-eb) series is suitable for inserting circular cables into Ex eb or Ex tb enclosures having either threaded or plain entries. Attachment of the glands to an enclosure is by means of the male threaded portion on the male body.

An elastomeric inner O-ring is used to realize sealing between the cable and the gland body. Ingress protection of **IP66/68** (50 m for 30 min.) is maintained when the glands are installed in accordance with the manufacturer's instructions.

IECEx Certificate of Conformity

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

The cable glands **CRX**** series is designed for the following different uses:

- **CRX**** types receive circular cables.
- **CRXM**** types receive circular cables with a Male treaded hub.
- **CRXF**** types receive circular cables with a Female treaded hub.
- **CRXC**** types receive circular cables with a hose connection hub.

Cables clamping: when the cap is screwed onto the lower body, the cable is clamped between the cap and the lower body.

All the Cable gland types standard threads are cylindrical ISO Metric 965/1 and ISO 965/3 from M12x1.5 up to M115x1.5 and tapered series NPT ANSI/ASME B1.20.1 from 1/4" up to 5".
Alternative available cylindrical threads are ISO Metric 965/1 and ISO 965/3 pitch 2, GAS ISO 228/1, NPSM ANSI/ASME B1.20.1 and series PG DIN 40430 from PG7 up to PG48 size. Thread series PG DIN 40430 can be used for "Ex eb" execution only.

The whole Cable glands series is generally made in Brass. The following alternative materials can be supplied on demand:

- Nickel-plated Bras.
- Stainless steel.
- Galvanized carbon steel.

The cable glands can be also used for intrinsically safe circuits Ex i and should have a part painted in light blue.

Ambient/service temperature ranges:

All the models are admitted for:	- 60 °C ÷ + 130 °C.
Models made of Galvanized carbon steel:	limited up to - 20 °C.

Degree of protection (IP code):

Cable glands **VOL..** and **VOLS..** series are with:	IP 66 / 68 (50 m for 30 min.).
Cable glands **VOLE..** series are with:	IP 66.
Cable glands **CRX..** series are with:	IP 66 / 68 (50 m for 30 min.).

IECEx Certificate of Conformity

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

Identification of Cable glands **VOL**, VOLS**** series:

VOL	**1**	**2**	**3**	**4**	**10**	**11**	**12**				
VOLC	**1**	**2**	**3**	**4**	**9**	**10**	**11**	**12**			
VOLF	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**	**12**
VOLM	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**	**12**
VOLS	**1**	**2**	**3**	**4**	**10**	**11**	**12**				
VOLSC	**1**	**2**	**3**	**4**	**9**	**10**	**11**	**12**			
VOLSF	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**	**12**
VOLSM	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**	**12**

1	Table 1.	Model codes corresponding to mounting thread types and sizes
2	Optional code	Blank: Standard clamping range XS or S: Reduced clamping range
3	Thread pitch (*)	Blank: 1.5 pitch 2: 2.0 pitch
4	Mounting thread type	N: NPT ANSI ASME B1.20.1 M: Metric ISO 261 P: PG DIN 40430 (for Ex-e only) S: NPSM ANSI ASME B1.20.1 C: GAS ISO 228/1
5	Table 1.	Model codes corresponding to the upper thread types and sizes
6	Optional code	Blank: Standard clamping range XS or S: Reduced clamping range
7	Thread pitch (*)	Blank: 1.5 pitch 2: 2.0 pitch
8	Upper thread type	N: NPT ANSI ASME B1.20.1 M: Metric ISO 261 P: PG DIN 40430 (for Ex-e only) S: NPSM ANSI ASME B1.20.1 C: GAS ISO 228/1
9	Ferule type (**)	S: Small Blank: Standard L: Large XL: X-large
10	Body material	B: Brass X: Stainless steel BN: Nickel plated brass Z: Galvanized steel
11	Sealing material	S: Silicon
12	Lead sheath cables	-LSK: Lead sheath spring (optional)

(*) - For Metric threads only
(**) - For VOLC, VOLSC only

IECEx Certificate of Conformity

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

Sizes and clamping ranges of cable glands **VOL****, **VOLS**** series are listed on the following Table 1.

Cable gland thread size CODE (*)		Thread size		Cable Dia. ranges (mm)	
Metric code	NPT code	ISO	NPT	Inner sheath	Armour sheath
0S	0S	M 12	1/4”	3.0-8.0	5.5-12.0
01S	01S	M 16	3/8”	3.0-8.0	5.5-12.0
01	01	M 16	1/2”	6.0-12.0	9.0-16.0
1XS	1XS	M 20	1/2”	3.0-8.0	5.5-12.0
1S	1S	M 20	1/2”	6.0-12.0	9.0-16.0
1	1	M 20	1/2”	6.0-14.0	12.0-20.0
2XS	2XS	M 25	3/4”	6.0-12.0	9.0-16.0
2S	2S	M 25	3/4”	6.0-14.0	12.0-20.0
2	2	M 25	3/4”	11.0-20.0	16.0-26.0
3XS	3XS	M 32	1”	6.0-14.0	12.0-20.0
3S	3S	M 32	1”	11.0-20.0	16.0-26.0
3	3	M 32	1”	16.0-26.5	20.0-33.0
4XS	4XS	M 40	1 ¼”	11.0-20.0	16.0-26.0
4S	4S	M 40	1 ¼”	16.0-26.5	20.0-33.0
4	4	M 40	1 ¼”	22.0-32.5	29.0-41.0
5XS	5XS	M 50	1 ½”	16.0-26.5	20.0-33.0
5S	5S	M 50	1 ½”	22.0-32.5	29.0-41.0
5	5	M 50	1 ½”	29.0-44.0	36.0-52.0
6XS	6XS	M 63	2”	22.0-32.5	29.0-41.0
6S	6S	M 63	2”	29.0-44.0	36.0-52.0
6	-	M 63	-	43.0-56.0	50.0-65.0
-	6	-	2”	43.0-54.3	50.0-65.0
7XS	7XS	M 75	2 ½”	29.0-44.0	36.0-52.0
7S	7S	M 75	2 ½”	43.0-56.0	50.0-65.0
7	-	M 75	-	54.0-68.0	61.0-78.0
-	7	-	2 ½”	54.0-65.3	61.0-78.0
80XS	80XS	M 80	3“	43.0-56.0	50.0-65.0
80S	80S	M 80	3“	54.0-68.0	61.0-78.0
80	80	M 80	3“	65.0-75.0	75.0-89.0
8X	-	M 90	-	43.0-56.0	50.0-65.0
-	9XS	-	3 ½”	54.0-68.0	61.0-78.0
8S	-	M 90	-	54.0-68.0	61.0-78.0
-	9S	-	3 ½”	65.0-78.0	75.0-89.0
8	-	M 90	-	65.0-78.0	75.0-89.0
-	9	-	3 ½”	76.0-92.0	88.0-104.0
9XS	10XS	M 100	4”	54.0-68.0	61.0-78.0
-	10S	-	4”	65.0-78.0	75.0-89.0
9S	-	M 100	-	65.0-78.0	75.0-89.0
9	10	M 100	4”	76.0-92.0	88.0-104.0
10XS	-	M 110	-	54.0-68.0	61.0-78.0
-	11XS	-	5”	65.0-78.0	75.0-89.0
10S	-	M 110	-	65.0-78.0	75.0-89.0
-	11S	-	5”	76.0-92.0	88.0-104.0
10	-	M 110	-	76.0-92.0	88.0-104.0
11XS	-	M 115	-	54.0-68.0	61.0-78.0
11S	-	M 115	-	65.0-78.0	75.0-89.0
11	-	M 115	-	76.0-92.0	88.0-104.0

(*) The code and the related thread size are referred to the enclosure mounting threads and for VOLM and VOLF types to the hub threads too.

IECEx Certificate of Conformity

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

Identification of Cable glands **VOLE**** and **CRX**** series:

VOLE	**1**	**2**	**3**	**4**	**10**	**11**				
VOLEC	**1**	**2**	**3**	**4**	**9**	**10**	**11**			
VOLEF	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**
VOLEM	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**
CRX	**1**	**2**	**3**	**4**	**10**	**11**				
CRXC	**1**	**2**	**3**	**4**	**9**	**10**	**11**			
CRXF	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**
CRXM	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**10**	**11**

1	Table 2.	Model codes corresponding to mounting thread types and sizes
2	Optional code	Blank: Standard clamping range XS or S: Reduced clamping range
3	Thread pitch (*)	Blank: 1.5 pitch 2: 2.0 pitch
4	Mounting thread type	N: NPT ANSI ASME B1.20.1 M: Metric ISO 261 P: PG DIN 40430 (for Ex-e only) S: NPSM ANSI ASME B1.20.1 C: GAS ISO 228/1
5	Table 2.	Model codes corresponding to the upper thread types and sizes
6	Optional code	Blank: Standard clamping range XS or S: Reduced clamping range
7	Thread pitch (*)	Blank: 1.5 pitch 2: 2.0 pitch
8	Upper thread type	N: NPT ANSI ASME B1.20.1 M: Metric ISO 261 P: PG DIN 40430 (for Ex-e only) S: NPSM ANSI ASME B1.20.1 C: GAS ISO 228/1
9	Ferule type (**)	S: Small Blank: Standard L: Large XL: X-large
10	Body material	B: Brass X: Stainless steel BN: Nickel plated brass Z: Galvanized steel
11	Sealing material	S: Silicon

(*) - For Metric threads only
(**) - For VOLEC, CRXC only

IECEx Certificate of Conformity

Prot: C5013912

Annex to certificate: **IECEx CES 22.0009X Issue No.:1** of 2025-09-23

Applicant: **Bimed Teknik Aletler Sanayi Ve Ticaret A.Ş.**
Deliklikaya Mah. Yüzbaşı Mehmet Hilmi Cad. No. 28 İç Kapı No: 1
TR-34555 Arnavutköy – Istanbul (Turkey)

Electrical Apparatus: **Cable glands series:**
VOL, VOLC**, VOLF**, VOLM**, VOLS**, VOLSC**, VOLSF**, VOLSM**, VOLE**, VOLEC**, VOLEF**, VOLEM**, CRX**, CRXC**, CRXF**, CRXM**.**

Sizes and clamping ranges of cable glands **VOLE****, **CRX**** series are listed on the following Table 2.

Cable gland thread size CODE (*)		Thread size		Cable Dia. ranges (mm)		
				VOLE** type		CRX** type
Metric code	NPT code	ISO	NPT	Inner Sheath max	Armour sheath	Cable sheath
0S	0S	M 12	1/4”	8.0	5.5-12.0	3.0-8.0
01S	01S	M 16	3/8”	8.0	5.5-12.0	3.0-8.0
01	01	M 16	1/2”	12.0	9.0-16.0	5.5-12.0
1XS	1XS	M 20	1/2”	8.0	5.5-12.0	9.0-16.0
1S	1S	M 20	1/2”	12.0	9.0-16.0	5.5-12.0
1	1	M 20	1/2”	14.0	12.0-20.0	9.0-16.0
2XS	2XS	M 25	3/4”	12.0	9.0-16.0	5.5-12.0
2S	2S	M 25	3/4”	14.0	12.0-20.0	9.0-16.0
2	2	M 25	3/4”	20.0	16.0-26.0	12.0-20.0
3XS	3XS	M 32	1”	14.0	12.0-20.0	9.0-16.0
3S	3S	M 32	1”	20.0	16.0-26.0	12.0-20.0
3	3	M 32	1”	26.5	20.0-33.0	16.0-26.0
4XS	4XS	M 40	1 ¼”	20.0	16.0-26.0	12.0-20.0
4S	4S	M 40	1 ¼”	26.5	20.0-33.0	16.0-26.0
4	4	M 40	1 ¼”	32.5	29.0-41.0	20.0-33.0
5XS	5XS	M 50	1 ½”	26.5	20.0-33.0	16.0-26.0
5S	5S	M 50	1 ½”	32.5	29.0-41.0	20.0-33.0
5	5	M 50	1 ½”	44.0	36.0-52.0	29.0-41.0
6XS	6XS	M 63	2”	32.5	29.0-41.0	20.0-33.0
6S	6S	M 63	2”	44.0	36.0-52.0	29.0-41.0
6	-	M 63	-	56.0	50.0-65.0	36.0-52.0
-	6	-	2”	54.3	50.0-65.0	36.0-52.0
7XS	7XS	M 75	2 ½”	44.0	36.0-52.0	29.0-41.0
7S	7S	M 75	2 ½”	56.0	50.0-65.0	36.0-52.0
7	-	M 75	-	68.0	61.0-78.0	50.0-65.0
-	7	-	2 ½”	65.3	61.0-78.0	50.0-65.0
80XS	80XS	M 80	3“	56.0	50.0-65.0	36.0-52.0
80S	80S	M 80	3“	68.0	61.0-78.0	50.0-65.0
80	80	M 80	3“	75.0	75.0-89.0	61.0-78.0
8X	-	M 90	-	56.0	50.0-65.0	36.0-52.0
-	9XS	-	3 ½”	68.0	61.0-78.0	50.0-65.0
8S	-	M 90	-	68.0	61.0-78.0	50.0-65.0
-	9S	-	3 ½”	78.0	75.0-89.0	61.0-78.0
8	-	M 90	-	75.0	75.0-89.0	61.0-78.0
-	9	-	3 ½”	92.0	88.0-104.0	75.0-89.0
9XS	10XS	M 100	4”	68.0	61.0-78.0	50.0-65.0
-	10S	-	4”	78.0	75.0-89.0	75.0-89.0
9S	-	M 100	-	75.0	75.0-89.0	61.0-78.0
9	10	M 100	4”	92.0	88.0-104.0	75.0-89.0
10XS	-	M 110	-	68.0	61.0-78.0	61.0-78.0
-	11XS	-	5”	78.0	75.0-89.0	75.0-89.0
10S	-	M 110	-	75.0	75.0-89.0	75.0-89.0
-	11S	-	5”	92.0	88.0-104.0	88.0-104.0
10	-	M 110	-	92.0	88.0-104.0	88.0-104.0
11XS	-	M 115	-	68.0	61.0-78.0	61.0-78.0
11S	-	M 115	-	75.0	75.0-89.0	75.0-89.0
11	-	M 115	-	92.0	88.0-104.0	88.0-104.0

(*) The code and the related thread size are referred to the enclosure mounting threads and for VOLEM, VOLEF and CRXM, CRXF types to the hub threads too.