

MOEM catalogue

Cable glands, conduits and accessories for OEM, panel builders and machine builders



MOEM solutions catalogue



Competencies

About us

Your challenges

Shorter product lifecycles, rising costs, tougher competition, etc., facing this, Industry must inspire confidence with new, efficient, connected and reliable machines ensuring volumes and cost effectiveness.

Eaton - your partner

In offering you a complete range of products to guarantee safety and efficiency with your electrical connections and eliminate any risks of mechanical or technical damage, Eaton asserts itself as your cable management partner.

Our solutions

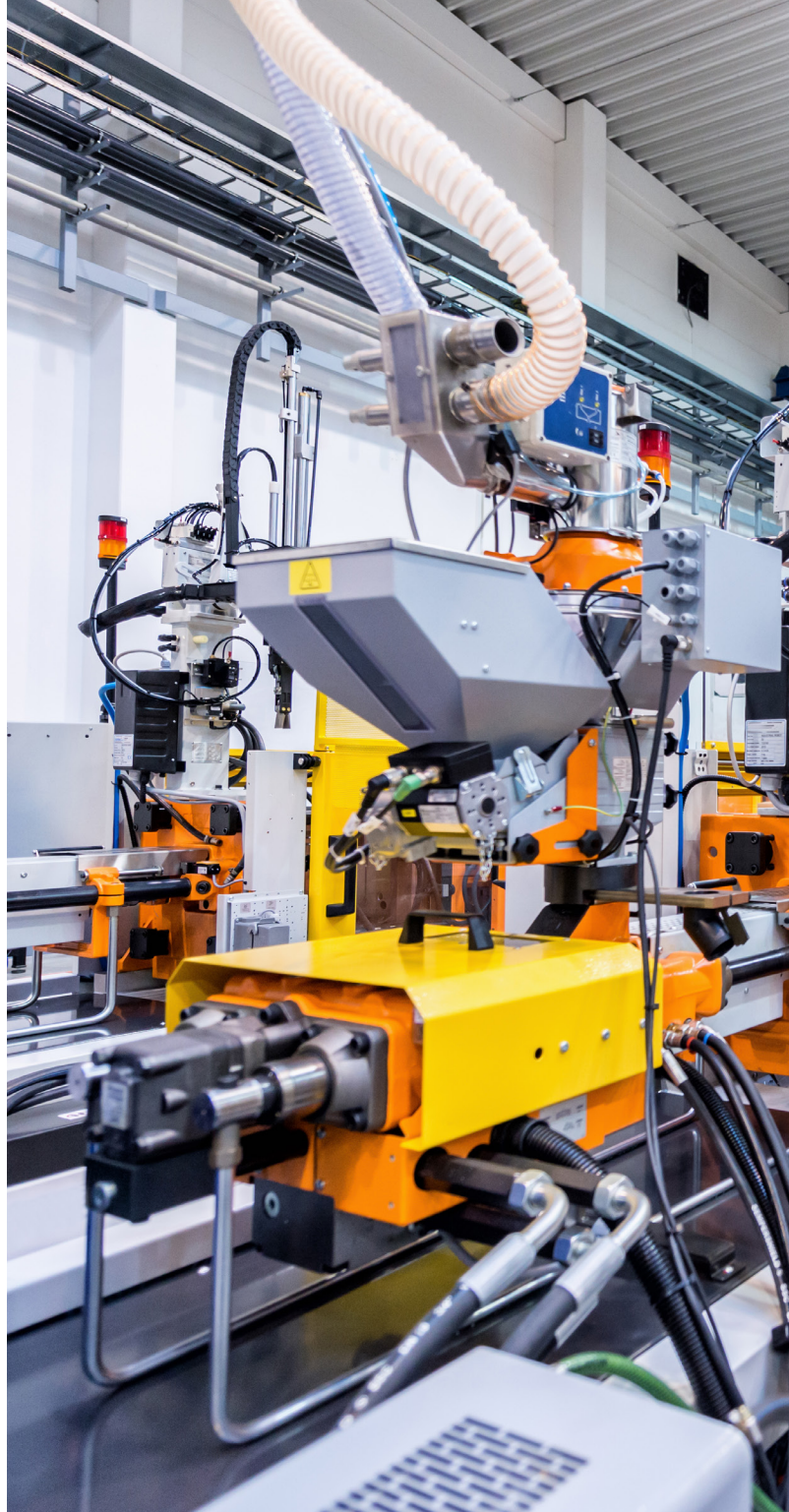
Eaton's solutions for manufacturing and industrial applications are engineered to provide reliability, longevity and efficiency in the most demanding environments. They are supported by a comprehensive global network of Eaton engineering and manufacturing facilities in all major industrial regions and factory trained authorized distributors, who provide a local point of contact virtually anywhere in the World.

Our contribution

Eaton helps increase uptime, reduce labour costs and drive safe cable routing throughout your operations. Our portfolio of time-tested, field-proven cable glands and conduit products help minimize the unacceptable cost of downtime and meet critical operating challenges day after day.

With Eaton,

Eaton's wide range of cable glands, conduits and fittings offer a solution to your machine building needs, from food production to heavy industrial applications. With high quality products and globally recognised certifications, you can be sure that Eaton will help you stay competitive and safe.



Benefits

- Quick and easy installation
- Maintenance free
- Reliability
- Cost effective
- Long service life
- Protection against environmental ingress
- Global approvals
- Part of overall Eaton solution

Standards and compliances

- EN62444
- NF 60423
- BS 6121
- RoHS / REACH
- RU certification
- Ingress protection (IP) to EN 60529
- Electromagnetic compatibility (EMC)
- 7J impact tested
- UV resistant



MOEM solutions from Eaton:	
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Cable glands and accessories

Eaton offers a wide range of metallic and non-metallic cable glands to suit your electrical power, control, instrumentation, data and telecom applications.

1. Non-metallic cable glands
2. Metallic non-armoured cable glands
3. Cable gland accessories

Cable glands are meant to ensure the tensile strength and seal the outer sheath braided armoured and/or non-armoured cables. They are suitable for all environments.

- Certified to EN 62444 / B.S 6121 (depending on the model)
- IP ratings IP64 to IP68
- Wide clamping ranges
- Wide operating temperature ranges
- Metric and Pg thread forms available
- Extensive range of metallic and plastic accessories
- Compact design for confined areas
- Reduced installation time

1. Non-metallic cable glands

Non-metallic cable glands manufactured in polyamide, are suitable for non-armoured cables and have an IP68 rating.

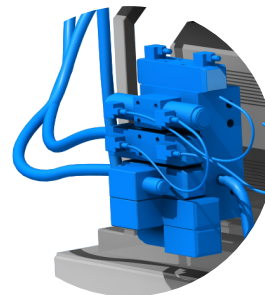
The UNICAP is a versatile plastic cable gland range with a temperature range of -20 °C to +100 °C with thermoplastic sealing ring and is rated to IP68 with an additional IP washer for ultimate protection from dust and water for use in various industrial and residential applications. The ECP range is a more compact solution with a PVC sealing ring suitable for temperatures from -5 °C to +70 °C. In addition, the colour of the sealing ring is different according to the size of the cable gland which allows a quick and easy identification.



3. Cable gland accessories

Eaton offers a wide range of accessories for cable glands and equipments, including adaptors, reducers, stopping plugs, plus sealing and securing accessories such as washers and locknuts.

Thread forms are metric and Pg as standard, with other thread forms including NPT also available.



Click on the product image to view the relevant information.

2. Metallic non-armoured cable glands

The NEWCAP range of cable glands is suitable for non-armoured or braided armoured cables and manufactured in nickel-plated brass as standard with a temperature range of -20 °C to +80 °C. NEWCAP gland models include stainless steel, EMC applications suitability and multi-wire / flat cable options.

NORMADIX and ISOCAP models are more compact solutions with a PVC sealing ring suitable for temperatures from -5 °C to +70 °C. In addition, the colour of the sealing ring is different according to the size of the cable gland which allows a quick and easy identification.



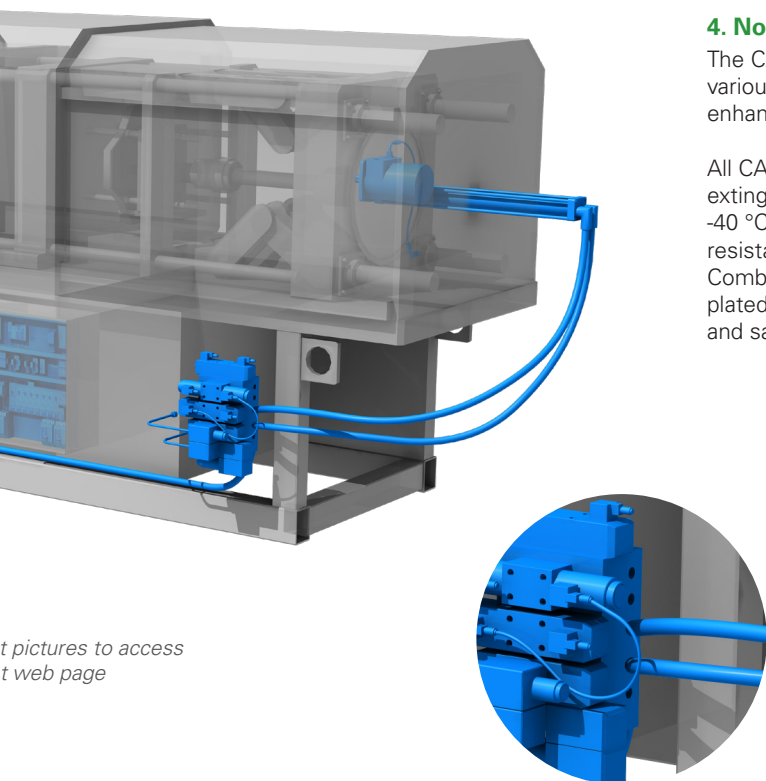
Overview

Flexible conduits and fittings

Eaton offers a variety of metallic and non-metallic flexible conduits and fittings to ease the installation and protection of cables in indoor and outdoor industrial environments.

4. Non-metallic flexible conduit and fittings
5. Metallic flexible conduit and fittings
6. Heavy duty metallic conduit and fittings

- Scalable and modular
- Extensive choice of fitting types and thread forms.
- UV resistant
- Halogen free



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5. Metallic flexible conduit and fittings

CAPRIPLAST flexible conduit is available in zinc-plated steel or stainless steel 304L, both encased in grey PVC, and an operating temperature range from -5 °C to +60 °C.

Offering a very good tensile strength and crush resistance, CAPRIPLAST is particularly suitable for harsh industrial environments with high mechanical stresses. The JUDODIX fitting is the recommended connector for the CAPRIPLAST conduit.

Available in nickel-plated brass or stainless steel 316L, the JUDODIX fitting has a polyethylene end cap, with male or female threads in metric or Pg thread forms and performs an IP66.



4. Non-metallic flexible conduit and fittings

The CAPRILOK range offers multiple versions of spiral plastic conduits for various applications, including solutions for dynamic uses, reinforced for enhanced resistance and special robotic options.

All CAPRILOK flexible conduits are UV resistant, halogen free, self-extinguishing and non-magnetic. With an operating temperature range from -40 °C to +120 °C, they also offer a very good tensile strength and crush resistance.

Combined with the CAPRILOK fittings in various styles, polyamide and nickel plated brass, the CAPRILOK range offers comprehensive, flexible, efficient and safe solutions.



6. Heavy duty metallic conduit and fittings

The CAPRIPLAST GS flexible conduit is manufactured from galvanised steel, with a PVC sleeve and a braided galvanised steel cover.

With an operating temperature range from -15 °C to +70 °C, the CAPRIPLAST GS is particularly suitable in industrial environments where EMC protection is needed or for applications with high mechanical abrasion risks. The CAPRIPLAST GS also has complementary fittings in nickel plated brass, available in fixed, swivel and HCEM models for enhanced IP protection.



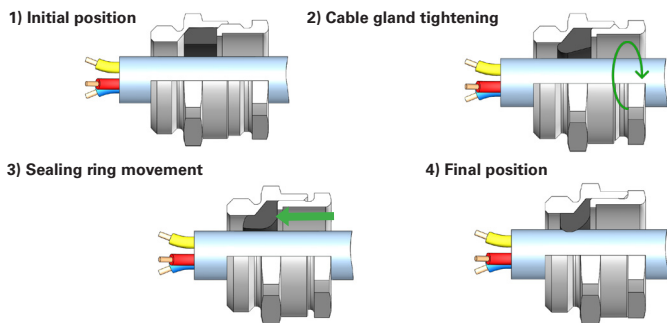
How to choose the right cable gland?

Technical guide

- Resistance and sealing**

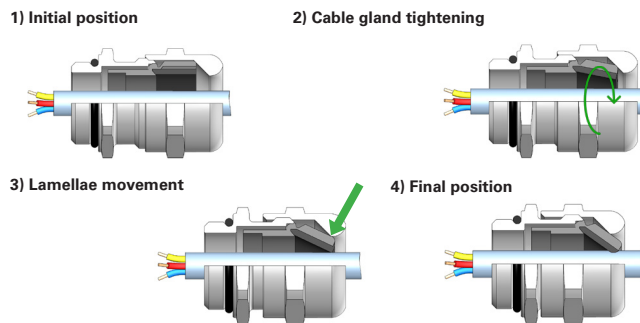
Sealing with compressed ring

The elastomer ring has a shape designed so that, when compressed between the body and the cap of the cable gland, it tightens uniformly around the cable, thus ensuring perfect sealing, good cable retention and a very wide clamping range.



Sealing with ring and deformation cone

The elastomer ring is inserted in a sleeve with lamellae which is subjected to the pressure of the cable gland's cap. It closes like a diaphragm and compresses the ring around the cable, thus ensuring good sealing and perfect resistance of the cable to traction.



- Cable types**

Armoured cable

A cable is said to be armoured when it has a mechanical armour, generally made of steel, that primary role is to ensure shocks resistance, crushings, shearings and other external aggressions (rodents...). In addition, the armour provides the cable's tensile strength and can allow strong electrical currents to flow for a limited time. An armoured cable will be used to carry strong current.

Most used: RVFV, RGPVF & EGFA

Reinforced cable

A cable is said to be reinforced when it has an electromagnetic shielding, generally made of a steel or brass braid, or an aluminum ribbon, that protects conductors from internal and/or external electromagnetic interferences. This shielding is very conductive but lowly mechanically resistant. We will mainly use a reinforced cable for data transmission.

Most used: EGSF, EISF, & LYFLEX B



Non-armoured cable

Cable with insulated conductors, with no layer of mechanical (metallic) protection.



Steel Tape Armoured (STA) cable

Steel tape armoured cable for mechanical protection of conductors.



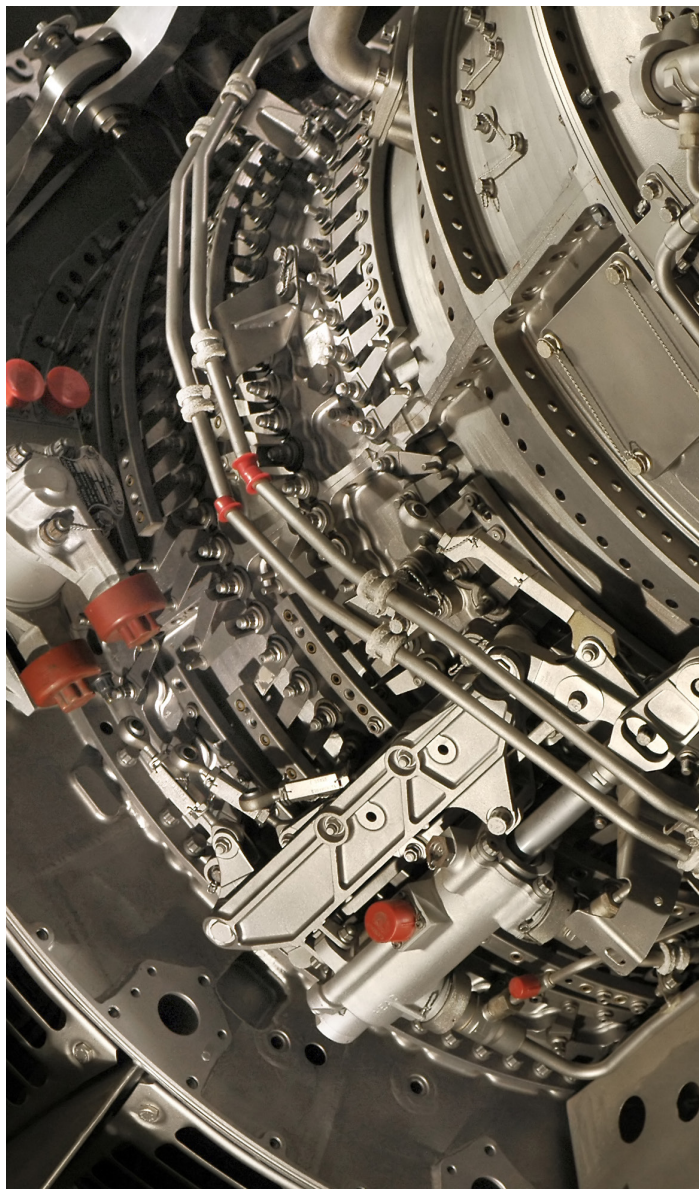
Steel Wire Braided (SWB) cable

Steel wire braided cable to give electromagnetic and signal interference protection to conductors.



Steel Wire Armoured (SWA) cable

Steel wire armoured cable for mechanical protection of conductors.



How to choose the right cable gland?

Technical guide

• Cable glands types by Eaton Capri

	ECP	UNICAP	EUROCAP	ISOCAP NORMADIX	NEWCAP MS EMC	NEWCAP CT EMC	NEWCAP MS Multi & Flat
Cable type	Non-armoured cable	Non-armoured cable	Non-armoured cable	Non-armoured cable	Non-armoured cable & Reinforced cable with braid or screen		Non-armoured cable
Anchorage	Compressed ring PVC ring	Deformation cone with TPV ring	Deformation cone with lamellae Neoprene ring	Compressed ring PVC ring	Deformation cone with lamellae Neoprene ring		
Thread	ISO Pg	•	•	•	•	•	•
Temperature	-5 °C +70 °C	-20 °C +100 °C	-40 °C +100 °C UL94 V0	-5 °C +70 °C	-20 °C +80 °C	-20 °C +80 °C	-20 °C +80 °C
Protection	IP66 IP68	•	•	•	•	•	•
Enclosure type	Threaded	Do not plan any locknut			Non-threaded		
Choice arguments	Compactness Low height Coloured operculated rings	Versatility Temperature holding Standard version with or without locknut	Fire resistance: UL94V0 Grey version RAL7035 Black version RAL9005	Ultra compactness Low height Coloured operculated rings Up to ISO 110	Versatility Temperature holding Wide clamping range EMC by cutting the braid		EMC with braid continuity Reinforced anchorage

• Main features

IP64 **Ingress Protection 64**
Indicates that the product is fully protected from dusts and from water splashes from all directions.







IP66 **Ingress Protection 66**
Indicates that the products is fully protected from dusts and from jets of water of similar force to heavy seas.









IP68 **Ingress Protection 68**
Indicates that the product is fully protected from dusts and can be submersible into water with specified conditions (prolonged immersion).






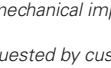
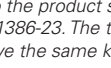
CE **CE Marking**
Official logo that indicates that the product conforms to European standards and is permitted to be sold in the EU marketplace.

EMC **Electromagnetic compatibility**
Indicates the ability of the product to function satisfactorily within its environment without producing any electromagnetic disturbances affecting other equipment.

UL Certificate
Indicates that the product is approved in accordance to north american directives and can be sold in United States and Canada.

IP	tests
0	 Non-protected.
1	 Protected against solid objects down to 50 mm.
2	 Protected against solid objects down to 12 mm.
3	 Protected against solid objects down to 2,5 mm.
4	 Protected against solid objects down to 1 mm.
5	 Protected against dust, limited ingress (no harmful deposits)
6	 Totally protected against dust

IP	tests
0	Non-protected.
1	 Protected against drops of water falling vertically
2	 Protected against drops of water falling at up to 15° from the vertical
3	 Protected against spraying water at up to 60° from the vertical
4	 Protected against splashing water from all directions
5	 Protected against jets of water from all directions
6	 Protected against jets of water of similar force to heavy seas
7	 Protected against the effects of immersion
8	 Protected against prolonged effects of immersion under pressure to a specific depth

IK	tests
0	Non-protected.
1	 Protected against 0.14 joules impact
2	 Protected against 0.2 joules impact
3	 Protected against 0.35 joules impact
4	 Protected against 0.5 joules impact
5	 Protected against 0.7 joules impact
6	 Protected against 1 joules impact
7	 Protected against 2 joules impact
8	 Protected against 5 joules impact

IK ratings are defined in the IEC standard EN 62262. They are used to define levels of protection against external mechanical impacts of electrical enclosures.

Often requested by customers, the EN 62262 is not relevant for cable glands and flexible conduits which comply to the product standards EN 62244, EN 61386-1 and EN 61386-23. The tests are slightly different but the results give the same kind of information in terms of protection.

IP or "Ingress Protection" ratings are defined in the IEC standard EN 60529. They are used to define levels of sealing effectiveness of electrical enclosures and related accessories against intrusion from foreign bodies (tools, dirt, dust, etc.), accidental contact and moisture.

How to choose the right conduit?

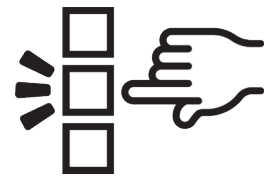
Technical guide

• 9 simple questions to define the right conduit

Risks to cabling can vary significantly based on applications, operating environments and conditions, hence one system does not necessarily suit all. Flexible conduits can offer the best solution in specific applications.

The definition of the correct flexible conduit should go through 9 simple questions.

Answering each of these questions should narrow the possibilities leading to the best solution.



1) Which material is needed?

Plastic or metallic, the choice will be driven by the environmental constraints.

2) Which mechanical resistance?

Compression and tensile strength as well as impact resistance, this might influence the choice of material and range.

3) Static or dynamic use?

Any risk of abrasion or premature wear? This might influence the choice of material and range.

4) Which tightness?

The IP level requested for the application.

5) Which temperature?

Indoor or outdoor use, hot or cold area, these constraints will define the temperature range.

6) How many cables and the size of each?

This will determine the inner diameter of the conduit always considering some more space for additional cable or to ease the maintenance.

7) Which ground continuity?

Is EMC shielding necessary?

8) Which type of fittings?

Straight or 90° elbow, fixed or swivel, according to the conduit routing.

9) Which type of thread and mounting hole?

ISO or Pg ; threaded hole or plain hole?

• Flexible conduits types by Eaton Capri

	CAPRILOK				CAPRIFLEX	CAPRIPLAST	CAPRIPLAST GS
	Slit	Standard	Reinforced	Robotic			
Size	7 to 24	7 to 106	9 to 48	7 to 48	7 to 4"	7 to 6"	12 to 50
Internal Ø	6.5 to 23.0	6.3 to 91.5	9.0 to 46.0	6.0 to 47.2	9.5 to 102.0	5.9 to 102.0	10.2 to 48.4
Material	Polyamide 6			Polyamide 12	Galvanized steel Stainless steel 304L	Galvanized steel Stainless steel 304L Grey PVC cover	Galvanized steel Black PVC sleeve Braided steel cover
IP	IP40	IP66	IP66	IP66	IP40	IP66	IP65
Temperature	Static -40 °C to +120 °C		Dynamic -20 °C to +85 °C		Static -45 °C to +400 °C	Static -5 °C to +60 °C	Static -15 °C to +70 °C
Resistance	Crushing Tensile	375 N / 50 mm 400 N (size 21)	600 N / 50 mm 700 N (size 21)	225 N / 50 mm 300 N (size 21)	1,250 N / 200 mm 500 N / 200 mm	1,250 N / 200 mm 500 N / 200 mm	3,500 N / 100 mm 1,200 N / 100 mm
Selection arguments	Conduit slit over its entire length to facilitate cables insertion in maintenance and/or retrofitting.	Flexible, versatile and cost-efficient conduit perfectly suitable for most applications.	Flexible conduit with reinforced resistance to crushing and traction for severe environment applications.	Highly flexible conduit suitable for repetitive movements or twisting actions as for robotic applications.	Versatile and cost-efficient conduit in galvanized steel or stainless steel 304L, perfectly suitable for most non-tight applications.	Versatile and cost-efficient conduit in galvanized steel or stainless steel 304L with a PVC cover, perfectly suitable for industrial sealed applications.	Ultra reinforced conduit with PVC cover and steel braid, protects against high risks of abrasion or electromagnetic interferences.



Additional technical points

EMC protection

What is it?

The electromagnetic compatibility (EMC) is the ability of a system to operate satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to other equipment in that environment.

Generally in any environment a device is subject to various electromagnetic interferences and any electrical device will also generate some electromagnetic fields. These interferences are generated in many ways, mainly by sudden variations in electrical values, voltage or current. The most frequent are:

Classes	Types	Origins
low frequencies	voltage dip	supply swapping
		short-circuit
		starting of high power motors
medium frequencies	harmonics	power semiconductor devices
		arc furnace
high frequencies	power surges	direct or indirect lightning strikes
		operations of control devices
	electrostatic discharges	shortcut current interruption by protective devices
		discharges of static electricity accumulated by a person

These interferences can be propagated by conduction along wires and cables, or by radiation in the form of electromagnetic waves.

The disturbances generate unintended phenomena includes:

- jamming of radio waves
- interferences of radioelectric emissions in control and command systems
- disruption of a signal in data cables

In order to best guard against interference, it is recommended to use a shielded cable, sometimes called braided armored cables, this is an extension of the conductive envelope made around a sensitive equipment. It is therefore connected to it as short as possible and if possible, over its entire circumference for a protection against high frequency interferences.

The metallic screen will gather the parasitic currents and eliminate them via the grounding of the enclosure. It effectively creates a protective electromagnetic cage around the cable.

In most cases, it is a cable gland which allows the entry of the cable into the enclosure, guaranteeing ingress protection and the strain relief of the cable.

In the case of electromagnetic sealing, the cable gland will therefore offer an additional function consisting in the grounding of the armor or shielding braid of the cable and ensuring no potential difference with the enclosure which is receiving it.

This can be done with or without cutting the shielding braid inside the cable gland.

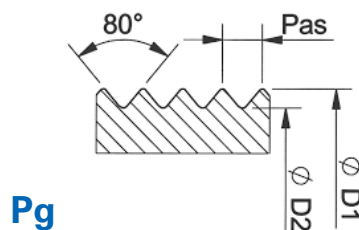
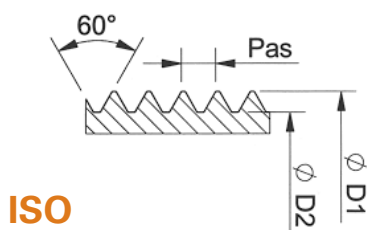
Furthermore, it is strongly recommended to use earthing locknuts to ensure a good grounding continuity with the enclosure, especially on a painted surface where the earthing locknut will penetrate the insulating paint layer.

ISO & Pg Threads

Hole configurations

ISO	Pitch	External Ø	Internal Ø	Boring Ø
		D1	D2	
6	1	6	5	6.5
8	1.25	8	6.75	8.5
10	1 or 1.5	10	9 or 8.5	10.5
12	1.5	12	10.5	12.5
16	1.5	16	14.5	16.5
20	1.5	20	18.5	20.5
25	1.5	25	23.5	25.5
32	1.5	32	30.5	32.5
40	1.5	40	38.5	40.5
50	1.5	50	48.5	50.5
63	1.5	63	61.5	63.5
75	1.5	75	73.5	75.5
80	2.0	80	78	80.5
90	2.0	90	88	90.5
100	2.0	100	98	100.5

Pg	Pitch	External Ø	Internal Ø	Boring Ø
		D1	D2	
7	1.27	12.5	11.28	12.7
9	1.41	15.2	13.86	15.4
11	1.41	18.6	17.26	18.8
13.5	1.41	20.4	19.06	20.7
16	1.41	22.5	21.16	22.8
21	1.587	28.3	26.78	28.6
29	1.587	37	35.48	37.4
36	1.587	47	45.48	47.5
42	1.587	54	52.48	54.5
N°48 NFC	2.309	60	57.78	60.5
48 DIN	1.588	59.3	57.78	59.8



Pg > ISO Thread matches

Maximum drilling Ø (in mm)	ISO	Pg
110,2	ISO 110	
90,2	ISO 90	
75,2	ISO 75	
63,2	ISO 63	
59,6		Pg 48
54,3		Pg 42
47,3		Pg 36
50,2	ISO 50	
40,2	ISO 40	
37,3		Pg 29
32,2	ISO 32	
28,6		Pg 21
22,8		Pg 16
20,7		Pg 13,5
20,2	ISO 20	
18,9		Pg 11
16,2	ISO 16	
15,5		Pg 9
12,8		Pg 7
12,2	ISO 12	

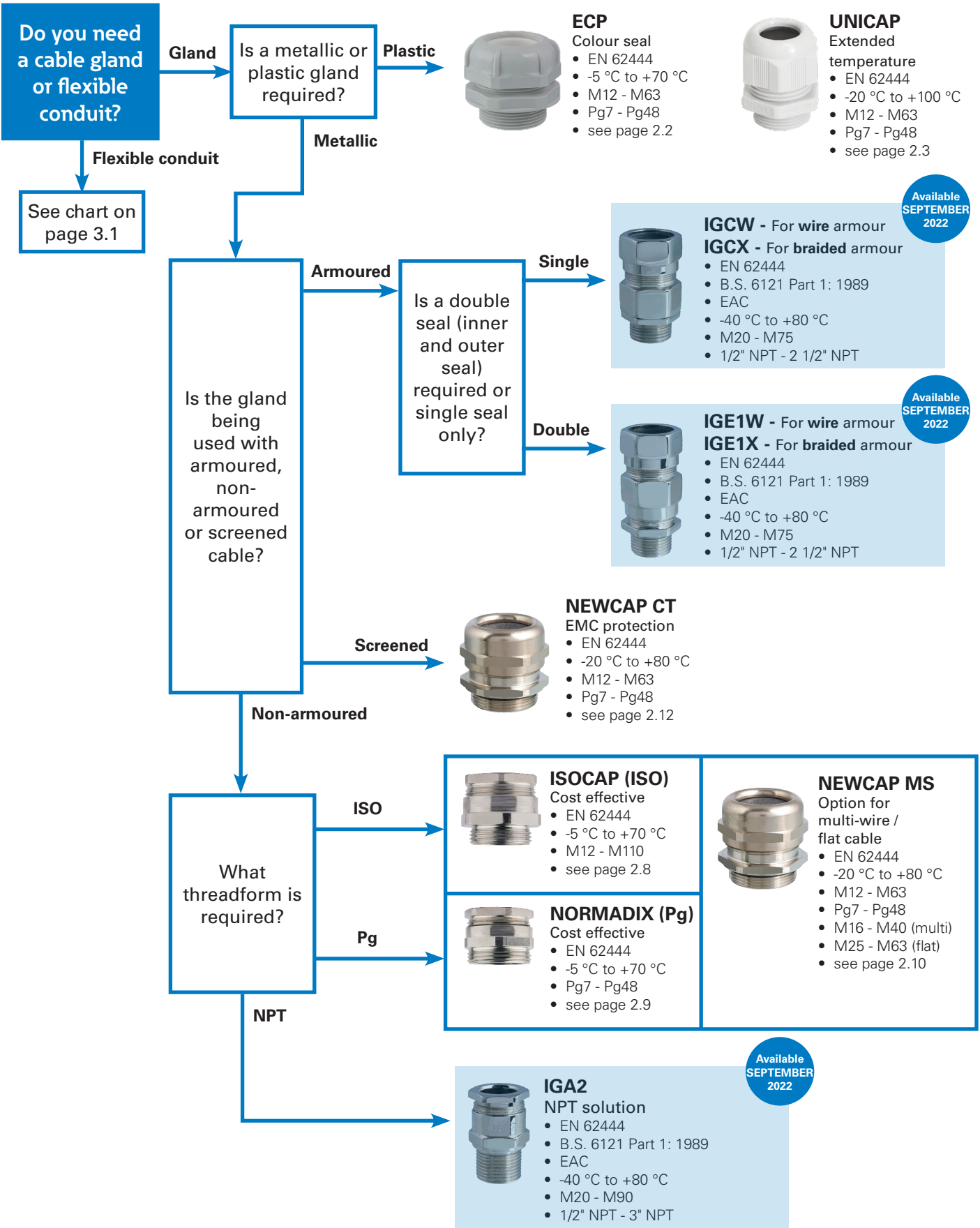
Contents - cable glands and accessories

Polyamide cable glands for non-armoured cable:	
ECP	2.2
UNICAP	2.3
Accessories - polyamide ISO thread	2.4
Accessories - polyamide Pg thread	2.5
Sealing accessories	2.6
Nickel-plated brass cable gland for non-armoured cable:	
ISOCAP (ISO threadform)	2.8
NORMADIX (Pg threadform).....	2.9
Nickel-plated brass or stainless steel cable gland for non-armoured cable or braided cable:	
NEWCAP MS	2.10
NEWCAP CT	2.12
Nickel-plated brass cable gland for flat cable / multi-wire cable:	
NEWCAP MS multi-wire cable / flat cable	2.14
Accessories - metallic ISO thread	2.15
Accessories - metallic Pg thread	2.16
Sealing accessories	2.18

For assistance on cable gland selection, see the selection guide on page 2.1

Selection flow chart for glands

The flow chart below may be used to determine the type of cable gland required for your applications.





Suitable for the following cable types:



• Non-armoured cable

Cable with insulated conductors, with no metallic layer of mechanical protection.

Certifications
EN 62444

Continuous operating temperature
-5 °C to +70 °C

Colour
Grey RAL 7035

Material
Polyamide

PVC (sealing ring) hardening temperature
-20 °C

ISO (metric) threadforms
EN 60423 and EN 62444

Pg electrical threadforms
UTE C 68-311 – DIN 40430

IP68



Perfectly adapted to industrial environments

Our range of versatile plastic industrial cable glands ECP allows the connection of non-armoured cables.

The PVC sealing ring achieves both an IP68 tightness on the outer sheath of the cable as well as a perfect tensile strength. In addition, the colour of the sealing ring is different according to the size of the cable gland which allows quick and easy identification.

- The ECP cable gland seals the outer sheath of non-armoured cables
- Operculated PVC coloured plasticized sealing ring
- IP68: 5 bars without sealing washer provided that the bearing area is satisfactory

Ordering codes - PVC reducing ring for cable glands

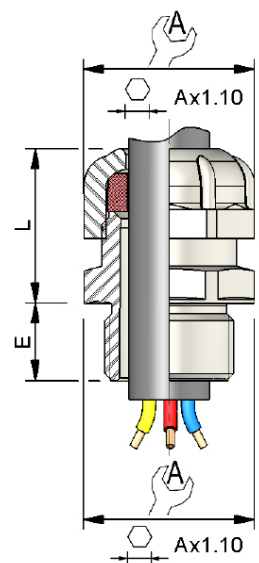
GLAND SIZE	Pg		CABLE DIAMETER		CATALOG NUMBER	ORDER UNIT
	Pg	Pg	MIN	MAX		
5	Pg9	Pg7	3.5	6.5	CAP240735	100
6	Pg11	Pg9	5.5	8.7	CAP240935	100
7	Pg13	Pg9	5.5	8.7	CAP241235	100
7	Pg13	Pg11	7.0	10.5	CAP241135	100
8	Pg16	Pg9	5.5	8.7	CAP241535	100
8	Pg16	Pg11	7.0	10.5	CAP241435	100
9	Pg16	Pg13	8.0	12.5	CAP241335	100
9	Pg21	Pg16	10.0	15.0	CAP241635	100
10	Pg29	Pg21	14.0	19.0	CAP242135	50
11	Pg36	Pg29	17.5	22.5	CAP242935	10
12	Pg42	Pg36	22.0	32.5	CAP242635	20
13	Pg48	Pg36	22.0	32.5	CAP244735	20

Ordering codes

THREAD SIZE (ISO)	CABLE DIAMETER MIN - MAX	A	L	E	SEALING RING COLOUR	CATALOG NUMBER CABLE GLAND	ORDER UNIT	CABLE GLAND + LOCKNUT	ORDER UNIT
M12	3.0 - 6.0	15	18	8	○	CAP439120	20	CAP439122	5
M16	4.0 - 8.0	19	22	8	●	CAP439160	20	CAP439162	5
M16 Bis	5.0 - 10.0	22	22	8	●	CAP439170	20	CAP439172	5
M20	7.5 - 13.0	24	23	9	●	CAP439200	20	CAP439202	5
M20 Bis	9.5 - 15.0	26	23	9	●	CAP439210	20	CAP439212	5
M25	13.0 - 19.0	32	29	11	●	CAP439250	20	CAP439252	5
M32	15.0 - 25.0	41	29	11	○	CAP439320	10	CAP439322	3
M40	21.0 - 32.0	52	35	13	○	CAP439400	1	CAP439402	5
M50	26.0 - 38.0	59	40	13	○	CAP439500	1	CAP439502	5
M63	31.0 - 44.0	65	42	14	○	CAP439630	1	CAP439632	1

Ordering codes

THREAD SIZE (Pg)	CABLE DIAMETER MIN - MAX	A	L	E	SEALING RING COLOUR	CATALOG NUMBER CABLE GLAND	ORDER UNIT	CABLE GLAND + LOCKNUT	ORDER UNIT
Pg7	3.0 - 6.0	15	18	8	○	CAP430070	20	CAP437072	10
Pg9	4.0 - 8.0	19	22	8	●	CAP430090	20	CAP437092	10
Pg11	5.0 - 10.0	22	22	8	●	CAP430110	20	CAP437112	10
Pg13	7.5 - 13.0	24	23	9	●	CAP430130	20	CAP437132	10
Pg16	9.5 - 15.0	26	23	9	●	CAP430160	20	CAP437162	10
Pg21	13.0 - 19.0	32	29	11	●	CAP430210	20	CAP437212	10
Pg29	15.0 - 25.0	41	29	11	○	CAP430290	10	CAP437292	10
Pg36	21.0 - 32.0	52	35	13	○	CAP430360	10	CAP437362	5
Pg42	26.0 - 38.0	59	40	13	○	CAP430420	1	CAP437422	1
Pg48	31.0 - 44.0	65	42	14	○	CAP437480	1	CAP437482	1



*For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

See pages 2.4 to 2.6 for suitable accessories and washers.



Suitable for the following cable types:



• Non-armoured cable

Cable with insulated conductors, with no metallic layer of mechanical protection.

Certifications

EN 62444

Continuous operating temperature

-20 °C to +100 °C

Colour

Grey RAL 7035

Material

Polyamide

Protection

IP68 with washer

IP64 without washer

ISO (metric) threadforms

EN 60423 and EN 62444

Pg electrical threadforms

UTE C 68-311 – DIN 40430

UL Certified

QCRV2.E519397

QCRV8.E519397

IP68

IP64

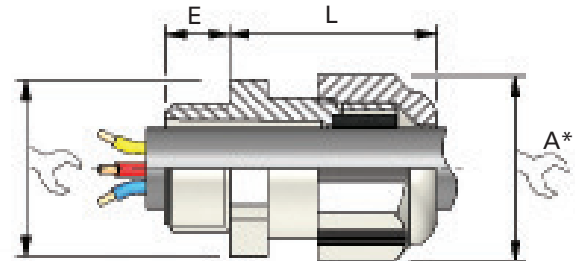


cULus

Perfectly adapted to industrial environments

The Capri UNICAP is a versatile plastic cable gland for use in various industrial and residential applications with non-armoured round cables.

- The UNICAP cable gland seals the outer sheath of non-armoured cables
- Thermoplastic sealing ring
- Maximum temperature: +150 °C
- IP68 (with washer) for ultimate protection from dust and water: 5 bars without sealing washer provided that the bearing area is satisfactory
- Available as stand-alone or kitted with relevant accessories



* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

Ordering codes ISO Thread

THREAD SIZE	CABLE DIAMETER MIN - MAX	A	L	E	CATALOG NUMBER	ORDER UNIT	SUPPLIED WITH FITTED LOCKNUT		SUPPLIED WITH NON FITTED LOCKNUT	
							CATALOG NUMBER	ORDER UNIT	CATALOG NUMBER	ORDER UNIT
M12	3.0 - 6.5	15	14	8	CAP451202	20	CAP451212	20	CAP451272	20
M16	5.0 - 10.0	22	28	10	CAP451602	20	CAP451612	20	CAP451672	20
M20	6.0 - 12.0	24	29	10	CAP452002	20	CAP452012	20	CAP452072	20
M25	12.0 - 18.0	33	38	10	CAP452502	20	CAP452512	20	CAP452572	20
M32	18.0 - 25.0	42	41	10	CAP453202	10	CAP453212	10	CAP453272	10
M40	22.0 - 32.0	53	52	10	CAP454002	1	CAP454012	1	CAP454072	10
M50	30.0 - 38.0	60	54	18	CAP455002	1	CAP455012	1	CAP455072	1
M63	34.0 - 44.0	65	55	18	CAP456302	1	CAP456312	1	CAP456372	1

Ordering codes Pg Thread

THREAD SIZE	CABLE DIAMETER MIN - MAX	A	L	E	CATALOG NUMBER	ORDER UNIT	SUPPLIED WITH FITTED LOCKNUT		SUPPLIED WITH NON FITTED LOCKNUT	
							CATALOG NUMBER	ORDER UNIT	CATALOG NUMBER	ORDER UNIT
Pg 7	3.0 - 6.5	15	14	8	CAP450702	20	CAP450712	20	CAP450772	20
Pg 9	4.0 - 8.0	19	28	8	CAP450902	20	CAP450912	20	CAP450972	20
Pg11	5.0 - 10.0	22	29	8	CAP451102	20	CAP451112	20	CAP451172	20
Pg13	6.0 - 12.0	24	29	9	CAP451302	20	CAP451312	20	CAP451372	20
Pg16	10.0 - 14.0	27	33	9	CAP451702	20	CAP451712	20	CAP451772	20
Pg21	12.0 - 18.0	33	38	11	CAP452102	20	CAP452112	20	CAP452172	20
Pg29	18.0 - 25.0	42	41	11	CAP452902	10	CAP452912	10	CAP452972	10
Pg36	22.0 - 32.0	53	52	13	CAP453602	10	CAP453612	1	CAP453672	10
Pg42	30.0 - 38.0	60	54	13	CAP454202	1	CAP454212	1	CAP454272	1
Pg48	34.0 - 44.0	65	55	14	CAP454802	1	CAP454812	1	CAP454872	1

See pages 2.4 to 2.6 for suitable accessories and washers.

All dimensions in mm.

Accessories - polyamide ISO thread

Cable glands and accessories



Technical specification

Material

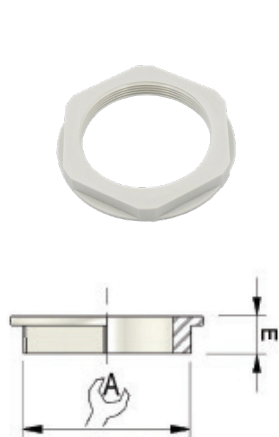
Polyamide 6.6, colour grey

ISO (metric) threadforms

EN 60423

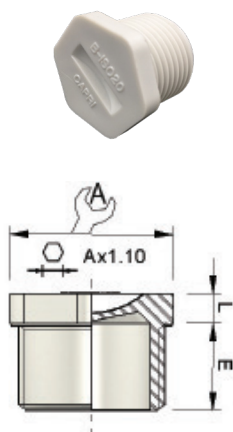
Protection

Adaptors, stopping plugs and reducers: IP66, IP68 with composite or neoprene washer



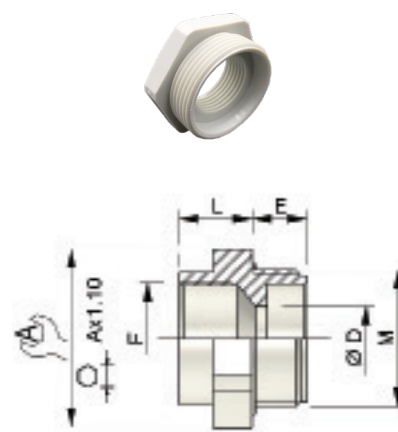
Ordering codes - Locknut

ISO	A	E	CATALOG NUMBER	ORDER UNIT
12	18.0	4.5	CAP261273	20
16	22.0	5.0	CAP261673	20
20	26.0	5.5	CAP262073	20
25	32.0	6.0	CAP262573	20
32	41.0	7.0	CAP263273	10
40	50.0	8.0	CAP264073	10
50	60.0	8.0	CAP265073	5
63	75.0	9.0	CAP266373	5



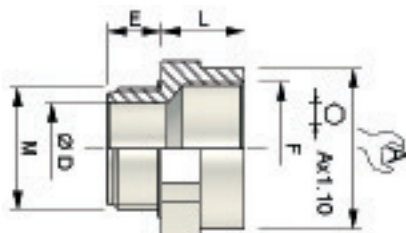
Ordering codes - Hex head stopping plug

ISO	A	L	E	CATALOG NUMBER	ORDER UNIT
12	15.0	4.0	15.0	CAP190126	20
16	19.0	4.0	15.0	CAP190166	20
20	23.0	4.0	15.0	CAP190206	20
25	28.0	5.0	15.0	CAP190256	20
32	36.0	5.5	15.0	CAP190326	10
40	44.0	5.5	15.0	CAP190406	10
50	54.0	6.0	16.0	CAP190506	1
63	67.0	6.5	17.0	CAP190636	1



Ordering codes - Reducer

ISO M	ISO F	A	L	E	CATALOG NUMBER	ORDER UNIT
20	12	24.0	4.0	8.0	CAP750015	10
20	16	24.0	4.5	8.0	CAP750025	10
25	12	29.0	6.0	8.0	CAP750275	10
25	16	29.0	6.0	8.0	CAP750285	10
25	20	29.0	6.0	8.0	CAP750295	10
32	12	36.0	6.0	8.0	CAP750535	10
32	16	36.0	6.0	10.0	CAP750545	10
32	20	36.0	6.0	10.0	CAP750555	10
32	25	36.0	6.0	10.0	CAP750565	10
40	16	36.0	6.0	10.0	CAP750805	5
40	20	46.0	6.0	10.0	CAP750815	5
40	25	46.0	6.0	10.0	CAP750825	5
40	32	46.0	6.0	10.0	CAP750835	5
50	20	55.0	6.0	10.0	CAP751075	1
50	25	55.0	6.0	12.0	CAP751085	1
50	32	55.0	6.0	12.0	CAP751095	1
50	40	55.0	6.0	12.0	CAP751105	5
63	25	68.0	6.0	12.0	CAP751345	1
63	32	68.0	6.0	12.0	CAP751355	1
63	40	68.0	6.0	12.0	CAP751365	1
63	50	68.0	6.0	12.0	CAP751375	1



Ordering codes - Amplifier

ISO M	ISO F	A	L	E	D	CATALOG NUMBER	ORDER UNIT
16	20	24.0	13.0	8.0	11.5	CAP750265	10
20	25	29.0	15.0	9.0	15.5	CAP750245	10
25	32	36.0	15.0	11.0	20.0	CAP750705	10

Accessories - polyamide Pg thread

Cable glands and accessories



Technical specification

Material

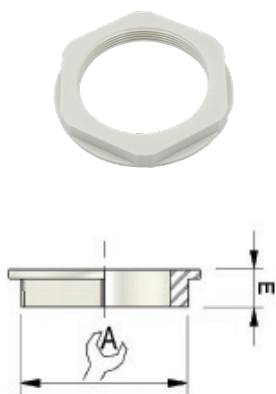
Polyamide 6.6, colour grey

Pg electrical threadforms

UTE C 68-311 – DIN 40430

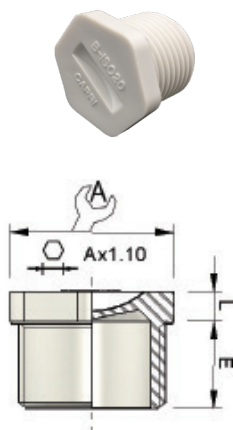
Protection

Adaptors, stopping plugs and reducers: IP66, IP68 with composite or neoprene washer



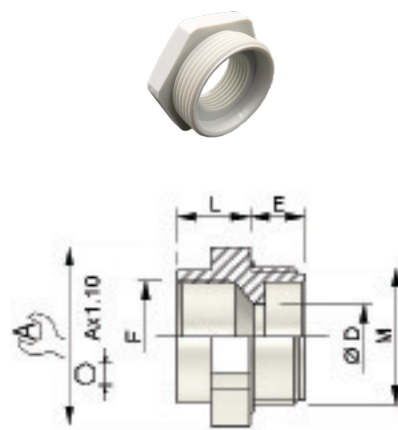
Ordering codes - Locknut

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	15.0	4.5	CAP260770	20
Pg9	19.0	4.5	CAP260970	20
Pg11	22.0	5.0	CAP261170	20
Pg13	24.0	5.5	CAP261370	20
Pg16	27.0	6.0	CAP261670	20
Pg21	32.0	6.5	CAP262170	20
Pg29	41.0	7.5	CAP262970	10
Pg36	54.0	9.0	CAP263670	10
Pg42	60.0	9.0	CAP264270	5
Pg48	67.0	9.5	CAP264878	1



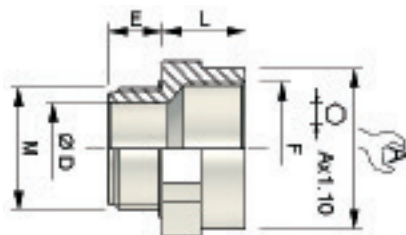
Ordering codes - Hex head stopping plug

Pg	A	L	E	CATALOG NUMBER	ORDER UNIT
Pg7	15.0	4.0	8.0	CAP190770	20
Pg9	19.0	4.5	10.0	CAP190970	20
Pg11	22.0	4.5	10.5	CAP191170	20
Pg13	24.0	5.0	11.0	CAP191370	20
Pg16	27.0	5.0	12.0	CAP191670	20
Pg21	32.0	5.5	13.5	CAP192170	20
Pg29	40.0	5.5	13.5	CAP192970	10
Pg36	54.0	6.0	15.0	CAP193670	10
Pg42	59.0	6.5	15.0	CAP194270	1
Pg48	64.0	6.5	10.0	CAP194879	1



Ordering codes - Reducer

Pg M	Pg F	A	L	E	CATALOG NUMBER	ORDER UNIT
Pg9	Pg7	19.0	11.0	7.0	CAP090770	10
Pg11	Pg7	22.0	10.5	8.0	CAP110770	10
Pg11	Pg9	22.0	12.0	8.0	CAP110970	10
Pg13	Pg9	24.0	11.5	9.0	CAP130970	10
Pg13	Pg11	24.0	12.0	9.0	CAP131170	10
Pg16	Pg9	27.0	11.5	9.0	CAP160970	10
Pg16	Pg11	27.0	12.0	9.0	CAP161170	10
Pg16	Pg13	27.0	13.0	9.0	CAP161370	10
Pg21	Pg11	32.0	11.5	10.0	CAP211170	10
Pg21	Pg13	32.0	12.5	10.0	CAP211370	10
Pg21	Pg16	32.0	12.5	10.0	CAP211670	10
Pg29	Pg13	41.0	12.5	12.0	CAP291370	1
Pg29	Pg16	41.0	12.5	12.0	CAP291670	1
Pg29	Pg21	41.0	16.5	12.0	CAP292170	5
Pg36	Pg29	55.0	16.5	14.0	CAP362970	5
Pg42	Pg36	60.0	20.5	16.0	CAP423670	1



Ordering codes - Amplifier

Pg M	Pg F	A	L	E	CATALOG NUMBER	ORDER UNIT
Pg7	Pg9	19.0	13.5	6.5	CAP070970	10
Pg9	Pg11	22.0	14.0	7.0	CAP091170	10
Pg11	Pg13	24.0	14.0	8.0	CAP111370	10
Pg13	Pg16	27.0	14.0	9.0	CAP131670	10
Pg16	Pg21	32.0	18.5	9.0	CAP162170	10
Pg21	Pg29	41.0	19.5	10.0	CAP212970	1
Pg29	Pg36	55.0	22.0	12.0	CAP293670	1
Pg36	Pg42	60.0	21.0	14.0	CAP364270	1

All dimensions in mm. Accessories also available in other threadforms, including NPT - please contact Customer Services.



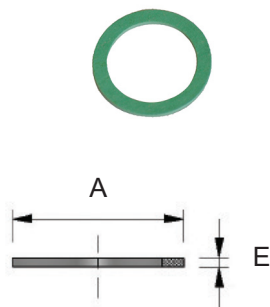
Technical specification

Material

Composite, neoprene or perbunan

Applications

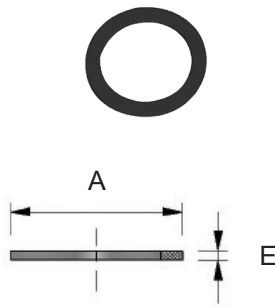
For cable glands, stopping plugs, reducers, adaptors, etc.



Ordering codes - Fibre sealing washer

ISO	A	E	CATALOG NUMBER	ORDER UNIT
10	15.0	1.2	CAP221045	20
12	18.0	1.2	CAP221245	20
16	22.0	1.2	CAP221645	20
20	27.0	1.2	CAP222045	20
25	35.0	1.5	CAP222545	20
32	43.0	1.5	CAP223245	10
40	55.0	1.5	CAP224045	10
50	69.0	1.5	CAP225045	1
63	82.0	2.0	CAP226345	1

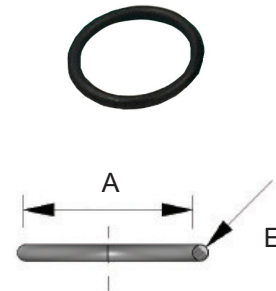
Operating temperature: -60 °C to +140 °C



Ordering codes - Neoprene sealing washer

ISO	A	E	CATALOG NUMBER	ORDER UNIT
10	15.0	1.2	CAP221049	20
12	18.0	1.2	CAP221249	20
16	18.0	1.2	CAP221649	20
20	22.0	1.2	CAP222049	20
25	24.0	1.5	CAP222549	20
32	30.0	1.5	CAP223249	10
40	42.0	1.5	CAP224049	10
50	52.0	1.5	CAP225049	5
63	63.0	2.0	CAP226349	5

Operating temperature: -35 °C to +120 °C



Ordering codes - Perbunan O-ring

ISO	A	E	CATALOG NUMBER	ORDER UNIT
12	10.0	1.8	CAP241244	20
16	12.5	1.8	CAP241644	20
20	17.0	1.8	CAP242044	20
25	22.0	1.8	CAP242544	20
32	28.0	1.6	CAP243244	20
40	37.0	1.8	CAP244044	10
50	46.0	1.8	CAP245044	10
63	57.0	1.8	CAP246344	10

Operating temperature: -30 °C to +100 °C

Ordering codes - Fibre sealing washer

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	17.0	1.5	CAP240750	20
Pg9	21.0	1.5	CAP240950	20
Pg11	25.0	1.5	CAP241150	20
Pg13	27.0	1.5	CAP241350	20
Pg16	31.0	1.5	CAP241650	20
Pg21	39.0	1.5	CAP242150	20
Pg29	50.0	1.5	CAP242950	10
Pg36	64.0	1.5	CAP243650	10
Pg42	73.0	1.5	CAP244250	1
Pg48	79.0	2.0	CAP244850	1

Operating temperature: -60 °C to +140 °C

Ordering codes - Neoprene sealing washer

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	17.0	1.2	CAP240749	20
Pg9	21.0	1.2	CAP240949	20
Pg11	24.0	1.2	CAP241149	20
Pg13	27.0	1.2	CAP241349	20
Pg16	30.0	1.2	CAP241649	20
Pg21	35.0	1.2	CAP242149	20
Pg29	45.0	1.2	CAP242949	10
Pg36	60.0	1.2	CAP243649	10
Pg42	65.0	1.2	CAP244249	1
Pg48	71.0	1.2	CAP244849	1

Operating temperature: -35 °C to +120 °C

Ordering codes - Perbunan O-ring

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	10.0	1.3	CAP240746	20
Pg9	12.0	1.6	CAP240946	20
Pg11	16.0	1.6	CAP241146	20
Pg13	16.0	1.6	CAP241346	20
Pg16	18.5	1.6	CAP241646	20
Pg21	23.5	1.8	CAP242146	20
Pg29	32.0	1.6	CAP242946	10
Pg36	41.0	1.8	CAP243646	10
Pg42	46.0	1.8	CAP244246	10
Pg48	55.0	2.0	CAP244846	10

Operating temperature: -30 °C to +100 °C





Suitable for the following cable types:



- Non-armoured cable

Cable with insulated conductors, with no metallic layer of mechanical protection.

Certifications

EN 62444

Continuous operating temperature

-5 °C to +70 °C

Material

Nickel-plated brass

ISO (metric) threadforms

EN 60423 and EN 62444

IP66



Perfectly adapted to industrial environments

Our range of nickel plated brass, industrial cable glands ISOCAP allows the connection of non armoured-cables. Provided with ISO threads, this range offers a very compact design which makes ISOCAP a very cost effective solution in industrial applications where space saving is a must.

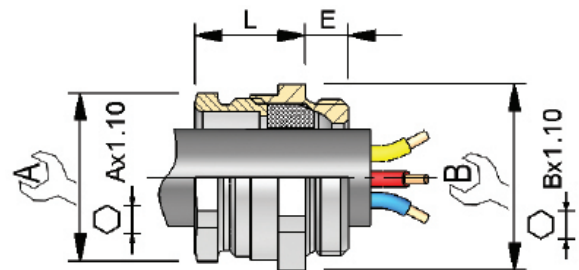
The cable gland accommodates a thermoplastic elastomer sealing ring which achieves both an IP66 tightness on the outer sheath of the cable and a perfect tensile strength. In addition, the colour of the sealing ring is different according to the size of the cable gland which allows a quick and easy identification.

- Provided with an operculated coloured PVC sealing ring

Ordering codes - PVC reducing ring for ISOCAP & NORMADIX cable glands



GLAND SIZE	MIN	MAX	CATALOG NUMBER	ORDER UNIT
5 / 4	3.5	6.5	CAP240735	100
6 / 5	5.5	8.7	CAP240935	100
7 / 5	5.5	8.7	CAP241235	100
7 / 6	7.0	10.5	CAP241135	100
8 / 5	5.5	8.7	CAP241535	100
8 / 6	7.0	10.5	CAP241435	100
8 / 7	8.0	12.5	CAP241335	100
9 / 8	10.0	15.0	CAP241635	100
10 / 9	14.0	19.0	CAP242135	50
11 / 10	17.5	22.5	CAP242935	10
12 / 11	22.0	32.5	CAP242635	20
13 / 11	22.0	32.5	CAP244735	20



Ordering codes

SIZE	THREAD SIZE (ISO)	CABLE DIAMETER MIN - MAX	A	B	L	E	SEALING RING COLOUR	CABLE GLAND CATALOG NUMBER	ORDER UNIT	SEALING WASHER CATALOG NUMBER	LOCKNUT CATALOG NUMBER	CABLE GLAND + LOCKNUT CATALOG NUMBER	ORDER UNIT
4	M12	3.0 - 6.0	13.0	14.0	9.5	5.0	○	CAP616124	20	CAP221249	CAP221294	CAP611274	5
5	M16	5.0 - 8.7	16.0	18.0	11.5	6.0	●	CAP616164	20	CAP221649	CAP221694	CAP611674	5
6	M16	5.0 - 10.5	17.0	20.0	12.5	6.0	●	CAP616174	20	CAP221649	CAP221694	CAP611774	5
7	M20	8.5 - 13.5	20.0	22.0	12.5	6.0	●	CAP616204	20	CAP222049	CAP222094	CAP612074	5
8	M20	10.0 - 15.0	22.0	24.0	12.5	6.0	●	CAP616224	20	CAP222049	CAP222094	CAP612274	5
9	M25	13.0 - 19.0	28.0	30.0	15.5	7.0	●	CAP616254	20	CAP222549	CAP222594	CAP612574	5
10	M32	17.0 - 25.0	37.0	40.0	17.0	8.0	○	CAP616324	10	CAP223249	CAP223294	CAP613274	3
11	M40	23.0 - 32.0	37.0	50.0	19.0	8.0	○	CAP616404	1	CAP224049	CAP224094	CAP614074	1
12	M50	27.0 - 38.0	54.0	58.0	19.0	9.0	○	CAP616504	1	CAP225049	CAP225094	CAP615074	1
13	M63	31.0 - 42.5	60.0	64.0	20.0	10.0	○	CAP616634	1	CAP226349	CAP226394	CAP616374	1
14	M75	37.0 - 53.0	80.0	85.0	41.4	18.0	●	CAP615754	1	CAP227549	CAP227594	-	-
15	M90	40.0 - 62.0	95.0	100.0	51.2	22.0	●	CAP615794	1	CAP229049	CAP229094	-	-
16	M110	60.0 - 82.0	130.0	125.0	70.4	22.0	●	CAP615114	1	CAP221149	CAP221104	-	-

See pages 2.15 to 2.18 for suitable accessories and washers.



Suitable for the following cable types:



- **Non-armoured cable**

Cable with insulated conductors, with no metallic layer of mechanical protection.

Certifications

EN 62444

Continuous operating temperature

-5 °C to +70 °C

Material

Nickel-plated brass

Pg electrical threadforms

UTE C 68-312 – DIN 40430

IP66



Perfectly adapted to industrial environments

Our range of nickel plated brass, industrial cable glands NORMADIX allows the connection of non armoured-cables.

Provided with Pg threads, this range offers a very compact design which makes NORMADIX a very cost effective solution in industrial applications where space saving is a must.

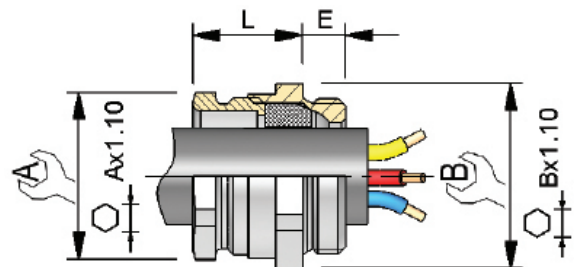
The cable glands accommodates a thermoplastic elastomer sealing ring which achieves both an IP66 tightness on the outer sheath of the cable and a perfect tensile strength. In addition, the colour of the sealing ring is different according to the size of the cable gland which allows a quick and easy identification.

- Provided with an operculated coloured PVC sealing ring

Ordering codes - PVC reducing ring for ISOCAP & NORMADIX cable glands



GLAND SIZE	MIN	MAX	CATALOG NUMBER	ORDER UNIT
5 / 4	3.5	6.5	CAP240735	100
6 / 5	5.5	8.7	CAP240935	100
7 / 5	5.5	8.7	CAP241235	100
7 / 6	7.0	10.5	CAP241135	100
8 / 5	5.5	8.7	CAP241535	100
8 / 6	7.0	10.5	CAP241435	100
8 / 7	8.0	12.5	CAP241335	100
9 / 8	10.0	15.0	CAP241635	100
10 / 9	14.0	19.0	CAP242135	50
11 / 10	17.5	22.5	CAP242935	10
12 / 11	22.0	32.5	CAP242635	20
13 / 11	22.0	32.5	CAP244735	20



Ordering codes

SIZE	THREAD SIZE (Pg)	CABLE DIAMETER MIN - MAX	A	B	L	E	SEALING RING COLOUR	CATALOG NUMBER	ORDER UNIT	LONG FIXING THREAD LENGTH	LONG FIXING THREAD CATALOG NUMBER	SEALING WASHER CATALOG NUMBER	LOCKNUT CATALOG NUMBER	NORMADIX + LOCKNUT KIT CATALOG NUMBER	ORDER UNIT
4	Pg7	3.5 - 6.0	13.0	14.0	9.5	3.9	○	CAP600704	20	-	-	CAP240749	CAP280704	CAP600774	5
5	Pg9	5.0 - 8.7	16.0	17.0	11.5	4.8	●	CAP600904	20	15.0	CAP610904	CAP240949	CAP280904	CAP600974	5
6	Pg11	6.5 - 10.5	17.0	20.0	12.5	5.7	●	CAP601104	20	15.0	CAP611104	CAP241149	CAP281104	CAP601174	5
7	Pg13	8.5 - 13.5	20.0	22.0	12.0	5.6	●	CAP601304	20	15.0	CAP611304	CAP241349	CAP281304	CAP601374	5
8	Pg16	10.5 - 15.0	22.0	24.0	15.0	5.6	●	CAP601604	20	15.0	CAP611604	CAP241649	CAP281604	CAP601674	5
9	Pg21	13.5 - 19.0	28.0	30.0	15.5	6.8	●	CAP602104	20	15.0	CAP612104	CAP242149	CAP282104	CAP602174	5
10	Pg29	18.0 - 25.0	37.0	40.0	17.0	7.7	○	CAP602904	10	15.0	CAP612904	CAP242949	CAP282904	CAP602974	3
11	Pg36	23.5 - 32.0	47.0	50.0	19.0	7.8	○	CAP603604	10	15.0	CAP613604	CAP243649	CAP283604	CAP603674	1
12	Pg42	30.0 - 38.0	54.0	58.0	19.0	9.5	○	CAP604204	1	15.0	CAP614204	CAP244249	CAP284204	CAP604274	1
13	Pg48	34.0 - 42.5	60.0	64.0	20.0	9.5	○	CAP604884	1	15.0	CAP614804	CAP244849	CAP284884	CAP604874	1

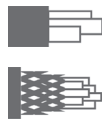
See pages 2.15 to 2.18 for suitable accessories and washers.

NEWCAP MS ISO

Cable glands and accessories



Suitable for the following cable types:



- **Non-armoured cable**
Cable with insulated conductors, with no metallic layer of mechanical protection.
- **SWB Steel wire braided cable**
Steel wire braided cable to give electromagnetic and signal interference protection to conductors.

Certifications

EN 62444

Continuous operating temperature

-20 °C to +80 °C

Material

Nickel-plated brass

Stainless steel 316L

(with Stainless steel 316L versions, a lubricant should be used, we recommend HTL lubricant)

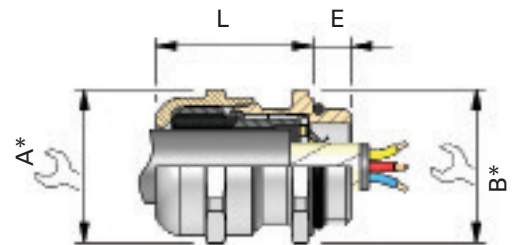


Perfectly adapted to industrial environments

Our range of metallic industrial cable glands NEWCAP allows the connection of non-armoured cables or steel wire braided armoured cables, which makes it perfectly suitable for EMC purposes.

The cable gland accommodates a PVC sealing ring which achieves both an IP66 tightness on the outer sheath of the cable as well as a perfect tensile strength. It ensures the electrical continuity of braided cables by reversing the braided armour on the clamping ring.

- The NEWCAP-MS ensures the tightness on the cable outer sheath and the electrical continuity of the braided armour (EMC application)
- Provided with an integrated o-ring
- IP66/IP68 tested at 30 meters during 7 days with a surface condition of Ra 1.6 µm max.
- For ISO versions in nickel-plated brass with long thread (15 mm) replace the last digit in the order code with "2"
- Also available as an 'Ex' version suitable for hazardous areas
- Provided with a foam dust cover



* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

Ordering codes

SIZE	THREAD SIZE	BRAID THICKNESS	CABLE DIAMETER MIN - MAX	A	B	L	E*	CATALOG NUMBER NICKEL-PLATED BRASS	ORDER UNIT	LOCKNUT CATALOG NUMBER	ORDER UNIT	CABLE GLAND + LOCKNUT CATALOG NUMBER	ORDER UNIT
4	M12	0.70	3.0 - 6.5	15.0	15.0	18.0	6.5	CAP187124	10	CAP221294	20	CAP186122	5
4	M16	0.70	3.0 - 6.5	15.0	18.0	18.0	6.5	CAP187544	10	CAP221694	20	-	-
5	M16	0.70	4.5 - 10.0	20.0	20.0	24.0	6.5	CAP187164	10	CAP221694	20	CAP186162	5
5	M20	0.70	4.5 - 10.0	20.0	22.0	24.0	6.5	CAP187554	5	CAP222094	20	-	-
6	M20	0.80	6.0 - 13.0	24.0	24.0	27.0	6.5	CAP187204	5	CAP222094	20	CAP186202	5
6	M25	0.80	6.0 - 13.0	24.0	27.0	27.0	7.0	CAP187564	5	CAP222594	20	-	-
7	M25	0.85	10.0 - 18.0	30.0	30.0	28.0	7.0	CAP187254	10	CAP222594	20	CAP186252	5
7	M32	0.85	10.0 - 18.0	30.0	34.0	28.0	8.0	CAP187574	5	CAP223294	10	-	-
8	M32	0.95	16.0 - 24.5	38.0	38.0	30.0	8.0	CAP187324	5	CAP223294	10	CAP186322	3
8	M40	0.95	16.0 - 24.5	38.0	43.0	30.0	8.0	CAP187584	1	CAP224094	10	-	-
9	M40	1.00	22.0 - 32.0	47.0	47.0	33.0	8.0	CAP187404	5	CAP224094	10	CAP186402	3
9	M50	1.00	22.0 - 32.0	47.0	54.0	33.0	9.0	CAP187594	1	CAP225094	1	-	-
10	M50	1.15	29.0 - 40.5	57.0	57.0	37.0	9.0	CAP187504	1	CAP225094	1	CAP186502	1
10	M63	1.15	29.0 - 40.5	57.0	68.0	37.0	10.0	CAP187604	1	CAP226394	1	-	-
11	M63	1.75	37.0 - 53.0	75.0	75.0	48.0	10.0	CAP187634	1	CAP226394	1	CAP186632	1

*All stainless steel versions have 15mm thread length

See pages 2.15 to 2.18 for suitable accessories and washers.

For stainless steel 316L references, please replace the last digit by '9' (for cable gland sold without locknut).



Ordering codes

SIZE	THREAD SIZE	BRAID THICKNESS	CABLE DIAMETER MIN - MAX	A	B	L	E*	CATALOG NUMBER NICKEL-PLATED BRASS	ORDER UNIT	LOCKNUT CATALOG NUMBER	ORDER UNIT	CABLE GLAND + LOCKNUT CATALOG NUMBER	ORDER UNIT
4	Pg7	0.70	3.0 - 6.5	15.0	15.0	18.0	6.5	CAP186074	10	CAP280704	20	CAP186072	5
5	Pg9	0.70	4.5 - 10.0	20.0	20.0	24.0	6.5	CAP186094	10	CAP280904	20	CAP186092	5
6	Pg11	0.80	6.0 - 13.0	24.0	24.0	27.0	6.5	CAP186114	5	CAP281104	20	CAP186112	5
6	Pg13	0.80	6.0 - 13.0	24.0	24.0	27.0	6.5	CAP186134	5	CAP281304	20	CAP186132	5
7	Pg16	0.85	10.0 - 18.0	30.0	30.0	28.0	7.0	CAP186174	5	CAP281604	20	CAP186172	5
7	Pg21	0.85	10.0 - 18.0	30.0	34.0	28.0	8.0	CAP186194	5	CAP282104	20	CAP186192	5
8	Pg21	0.95	16.0 - 24.5	38.0	38.0	30.0	8.0	CAP186184	5	CAP282904	10	CAP186182	5
8	Pg29	0.95	16.0 - 24.5	38.0	38.0	30.0	8.0	CAP186284	5	CAP282904	10	CAP186282	3
9	Pg29	1.00	22.0 - 32.0	47.0	47.0	33.0	8.0	CAP186294	1	CAP283604	10	CAP186292	3
10	Pg36	1.15	29.0 - 40.5	57.0	57.0	37.0	9.0	CAP186364	1	CAP284204	1	CAP186362	1
11	Pg48	1.75	37.0 - 53.0	75.0	75.0	48.0	10.0	CAP186484	1	CAP284884	1	CAP186482	1

*All stainless steel versions have 15mm thread length

See pages 2.15 to 2.18 for suitable accessories and washers.

For stainless steel 316L references, please replace the last digit by '9' (for cable gland sold without locknut).

Perbunan reducing ring for NEWCAP MS ISO & Pg cable glands

Ordering codes -

GLAND SIZE	CABLE DIAMETER MIN	CABLE DIAMETER MAX	CATALOG NUMBER	ORDER UNIT
5 / 4	3.0	6.5	CAP180504	100
6 / 5	4.5	10.0	CAP180605	100
7 / 6	6.0	13.0	CAP180706	100
8 / 7	10.0	18.0	CAP180807	100
9 / 8	16.0	24.5	CAP180908	100
10 / 9	22.0	32.0	CAP181009	100
11 / 10	29.0	40.5	CAP181110	100
12 / 11	37.0	53.0	CAP181211	100

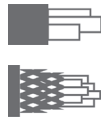


NEWCAP CT ISO

Cable glands and accessories



Suitable for the following cable types:



- **Non-armoured cable**
Cable with insulated conductors, with no metallic layer of mechanical protection.
- **SWB Steel wire braided cable**
Steel wire braided cable to give electromagnetic and signal interference protection to conductors.

Certifications

EN 62444

Continuous operating temperature

-20 °C to +80 °C

Material

Nickel-plated brass
Stainless steel 316L

IP66

IP68



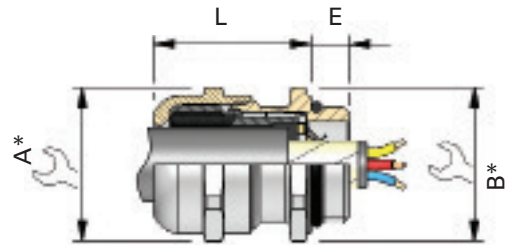
EMC

Perfectly adapted to industrial environments

Our range of metallic industrial cable glands NEWCAP allows the connection of non-armoured cables or steel wire braided armoured cables, which makes it perfectly suitable for EMC purposes.

The cable gland accommodates a PVC sealing ring which achieves both an IP66 tightness on the outer sheath of the cable as well as a perfect tensile strength. It ensures the continuity without interrupting the braided armour.

- The NEWCAP CT ensures the tightness on the cable outer sheath and the electrical continuity of the braided armour (EMC application) without interrupting the braided armour.
- IP66/IP68 tested at 30 meters during 7 days with a surface condition of Ra 1.6 µm max.
- Also available as an 'Ex' version suitable for hazardous areas.



* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

Ordering codes

SIZE	THREAD SIZE	CABLE DIAMETER MIN - MAX	BRAID THICKNESS	A	B	L	E*	CATALOG NUMBER NICKEL-PLATED BRASS	ORDER UNIT	LOCKNUT CATALOG NUMBER	ORDER UNIT
4	M12	3.0 - 6.5	0.70	15.0	15.0	18.0	6.5	CAP189124	5	CAP221294	20
4	M16	3.0 - 6.5	0.70	15.0	18.0	18.0	6.5	CAP189544	1	CAP221694	20
5	M16	4.5 - 10.0	0.70	20.0	20.0	24.0	6.5	CAP189164	10	CAP221694	20
5	M20	4.5 - 10.0	0.70	20.0	22.0	24.0	6.5	CAP189554	1	CAP222094	20
6	M20	6.0 - 13.0	0.80	24.0	24.0	27.0	6.5	CAP189204	5	CAP222094	20
6	M25	6.0 - 13.0	0.80	24.0	27.0	27.0	7.0	CAP189564	5	CAP222594	20
7	M25	10.0 - 18.0	0.85	30.0	30.0	28.0	7.0	CAP189254	5	CAP222594	20
7	M32	10.0 - 18.0	0.85	30.0	34.0	28.0	8.0	CAP189574	1	CAP223294	10
8	M32	16.0 - 24.5	0.95	38.0	38.0	30.0	8.0	CAP189324	5	CAP223294	10
8	M40	16.0 - 24.5	0.95	38.0	43.0	30.0	8.0	CAP189584	1	CAP224094	10
9	M40	22.0 - 32.0	1.00	47.0	47.0	33.0	8.0	CAP189404	5	CAP224094	10
9	M50	22.0 - 32.0	1.00	47.0	54.0	33.0	9.0	CAP189594	1	CAP225094	1
10	M50	29.0 - 40.5	1.15	57.0	57.0	37.0	9.0	CAP189504	1	CAP225094	1
10	M63	29.0 - 40.5	1.15	57.0	68.0	37.0	10.0	CAP189604	1	CAP226394	1
11	M63	37.0 - 53.0	1.75	75.0	75.0	48.0	10.0	CAP189634	1	CAP226394	1

*All stainless steel versions have 15mm thread length

See pages 2.15 to 2.18 for suitable accessories and washers.

For stainless steel 316L references, please replace the last digit by '9' (for cable gland sold without locknut).



Ordering codes

SIZE	THREAD SIZE	CABLE DIAMETER MIN - MAX	BRAID THICKNESS	A	B	L	E*	CATALOG NUMBER NICKEL-PLATED BRASS	ORDER UNIT	LOCKNUT CATALOG NUMBER	ORDER UNIT
4	Pg7	3.0 - 6.5	0.70	15.0	15.0	18.0	6.5	CAP169074	5	CAP280704	20
5	Pg9	4.5 - 10.0	0.70	20.0	20.0	24.0	6.5	CAP169094	5	CAP280904	20
6	Pg11	6.0 - 13.0	0.80	24.0	24.0	27.0	6.5	CAP169114	5	CAP281104	20
6	Pg13	6.0 - 13.0	0.80	24.0	24.0	27.0	6.5	CAP169134	5	CAP281304	20
7	Pg16	10.0 - 18.0	0.85	30.0	30.0	28.0	7.0	CAP169164	1	CAP281604	20
7	Pg21	10.0 - 18.0	0.85	30.0	34.0	28.0	8.0	CAP169194	1	CAP282104	20
8	Pg21	16.0 - 24.5	0.95	38.0	38.0	30.0	8.0	CAP169214	1	CAP282904	10
8	Pg29	16.0 - 24.5	0.95	38.0	38.0	30.0	8.0	CAP169284	1	CAP282904	10
9	Pg29	22.0 - 32.0	1.00	47.0	47.0	33.0	8.0	CAP169294	1	CAP283604	10
10	Pg36	29.0 - 40.5	1.15	57.0	57.0	37.0	9.0	CAP169364	1	CAP284204	1
11	Pg48	37.0 - 53.0	1.75	75.0	75.0	48.0	10.0	CAP169484	1	CAP284884	1

*All stainless steel versions have 15mm thread length

See pages 2.15 to 2.18 for suitable accessories and washers.

Perbunan reducing ring for NEWCAP CT ISO & Pg cable glands

Ordering codes -

GLAND SIZE	CABLE DIAMETER MIN	CABLE DIAMETER MAX	CATALOG NUMBER	ORDER UNIT
5 / 4	3.0	6.5	CAP180504	100
6 / 5	4.5	10.0	CAP180605	100
7 / 6	6.0	13.0	CAP180706	100
8 / 7	10.0	18.0	CAP180807	100
9 / 8	16.0	24.5	CAP180908	100
10 / 9	22.0	32.0	CAP181009	100
11 / 10	29.0	40.5	CAP181110	100
12 / 11	37.0	53.0	CAP181211	100



NEWCAP MS multi-wired / flat

Cable glands and accessories



Suitable for the following cable types:



• Non-armoured cable

Cable with insulated conductors, with no metallic layer of mechanical protection.

Certifications

EN 62444

Continuous operating temperature

-20 °C to +80 °C

Material

Nickel-plated brass

IP66

IP68

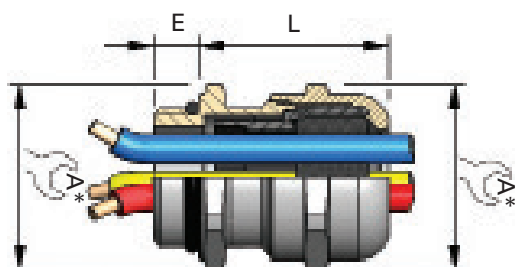


Perfectly adapted to industrial environments

Our range of metallic industrial cable glands NEWCAP allows the connection of non-armoured cables. This NEWCAP MS version is the cable gland suitable for multiple cables or flat cable applications.

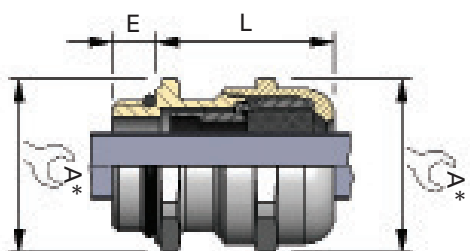
- The NEWCAP-MS ensures the tightness of the outer sheath of multiple small cables or a flat cable.
- IP66/IP68 tested at 30 meters during 7 days with a surface condition of Ra 1.6 µm max.

NEWCAP - MS multi-wired



SIZE	THREAD SIZE (ISO)	CABLE DIAMETER MIN - MAX	NUMBER OF CABLES	A	L	E	CATALOG NUMBER
5	M16	1.5 - 3.0	2	20.0	24.0	6.5	CAP187334
5	M16	2.5 - 4.0	2	20.0	24.0	6.5	CAP187424
6	M20	3.0 - 5.0	2	20.0	27.0	6.5	CAP187524
6	M20	2.5 - 5.0	3	24.0	27.0	6.5	CAP187534
6	M20	4.0 - 6.0	2	24.0	28.0	6.5	CAP187624
7	M25	5.0 - 7.0	3	30.0	28.0	7.0	CAP187734
7	M25	6.0 - 8.0	2	30.0	28.0	7.0	CAP187824
8	M32	4.0 - 6.0	4	38.0	30.0	8.0	CAP187814
8	M32	4.5 - 7.0	4	38.0	30.0	8.0	CAP187744
9	M40	4.0 - 6.0	4	47.0	33.0	8.0	CAP187764

NEWCAP - MS flat



SIZE	THREAD SIZE (ISO)	CABLE WIDTH MIN - MAX	CABLE THICKNESS MIN - MAX	A	L	E	CATALOG NUMBER
7	M25	11.0 - 13.0	4.5 - 6.0	30.0	28.0	7.0	CAP187134
8	M32	11.0 - 18.0	5.0 - 7.0	38.0	30.0	8.0	CAP187184
9	M40	21.0 - 24.0	5.0 - 8.5	47.0	33.0	8.0	CAP187224
9	M40	24.0 - 27.0	8.0 - 11.5	47.0	33.0	8.0	CAP187274
10	M50	30.0 - 32.5	5.0 - 9.0	57.0	37.0	9.0	CAP187304
10	M50	29.0 - 31.0	10.0 - 14.0	57.0	37.0	9.0	CAP187314
10	M50	32.5 - 35.5	9.0 - 12.0	57.0	37.0	9.0	CAP187354
10	M50	34.0 - 37.0	4.5 - 6.5	57.0	37.0	9.0	CAP187374
10	M50	38.0 - 40.0	10.0 - 14.0	57.0	48.0	9.0	CAP187414
11	M63	38.0 - 42.0	4.5 - 6.5	75.0	48.0	10.0	CAP187444

* For 'across corners' dimensions, multiply 'across flats' dimensions by 1.1

See pages 2.15 to 2.18 for suitable accessories and washers.

NEWCAP MS multi-wired and flat references are sold individually.

All dimensions in mm.

Accessories - metallic ISO thread

Cable glands and accessories



Technical specification

Material

Nickel-plated brass

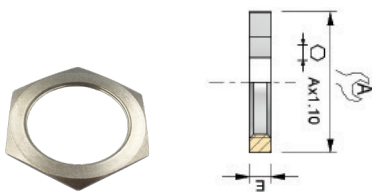
Stainless steel 316L

ISO (metric) threadforms

EN 60423

Protection

Adaptors, stopping plugs and reducers: IP66, IP68 with composite or neoprene washer



Ordering codes - Locknut

ISO	A	E	CATALOG NUMBER	ORDER UNIT
12	23.0	3.0	CAP221294	20
16	29.0	4.0	CAP221694	20
20	35.0	4.0	CAP222094	20
25	44.0	4.5	CAP222594	20
32	60.0	4.8	CAP223294	10
40	69.0	5.0	CAP224094	10
50	87.0	6.5	CAP225094	1
63	103.0	6.5	CAP226394	1
75	104.0	8.0	CAP227594	1
90	122.0	8.0	CAP229094	1
110	132.0	9.0	CAP221104	1



Ordering codes - Earthing locknut

ISO	A	E	CATALOG NUMBER	ORDER UNIT
12	14.0	3.0	CAP229124	20
16	18.0	3.0	CAP229164	20
20	23.0	3.0	CAP229204	20
25	28.0	3.0	CAP229254	20
32	36.0	3.5	CAP229324	10
40	44.0	4.0	CAP229404	10
50	54.0	5.0	CAP229504	1
63	70.0	6.0	CAP229634	1



Ordering codes - Hex head stopping plug

ISO	A	L	E	CATALOG NUMBER	ORDER UNIT
12	15.0	2.5	6.5	CAP197124	20
16	18.0	2.5	6.5	CAP197164	20
20	23.0	3.0	6.5	CAP197204	20
25	28.0	3.0	7.0	CAP197254	20
32	36.0	3.5	8.0	CAP197324	10
40	44.0	4.0	8.0	CAP197404	5
50	54.0	4.5	9.0	CAP197504	1
63	67.0	5.5	10.0	CAP197634	1



Ordering codes - Dome head stopping plug

ISO	A	L	E	CATALOG NUMBER	ORDER UNIT
12	14.0	3.0	5.0	CAP196124	20
16	18.0	3.0	6.0	CAP196164	20
20	22.0	3.0	6.5	CAP196204	20
25	27.0	4.0	7.0	CAP196254	20
32	34.0	4.0	8.0	CAP196324	10
40	44.0	5.0	8.0	CAP196404	1
50	54.0	5.5	9.0	CAP196504	1
63	67.0	6.0	10.0	CAP196634	1



Ordering codes - Amplifier M/F

ISO M	ISO F	A	L	E	øD	CATALOG NUMBER	ORDER UNIT
12	16	18.0	8.0	5.0	8.8	CAP755334	10
16	20	22.0	8.0	6.0	12.5	CAP750274	10
20	25	27.0	9.0	6.0	16.2	CAP750544	10
25	32	36.0	10.5	7.0	21.0	CAP750814	5
32	40	42.0	10.5	8.0	28.0	CAP751084	5
40	50	52.0	11.5	8.0	35.8	CAP751354	1
50	63	67.0	12.5	9.0	45.8	CAP751624	1



Ordering codes - Reducer

ISO M	ISO F	A	L	E	CATALOG NUMBER	ORDER UNIT
16	12	18.0	2.5	6.0	CAP755834	10
20	12	22.0	3.0	6.0	CAP750044	5
20	16	22.0	3.0	6.0	CAP750024	10
25	16	28.0	3.0	7.0	CAP750034	10
25	20	28.0	3.0	7.0	CAP750294	10
32	16	36.0	3.5	8.0	CAP759104	5
32	20	36.0	3.5	8.0	CAP750304	10
32	25	36.0	3.5	8.0	CAP750564	10
40	16	44.0	4.0	8.0	CAP759164	5
40	20	44.0	4.0	8.0	CAP759204	5
40	25	44.0	4.0	8.0	CAP750574	5
40	32	44.0	4.0	8.0	CAP750834	5
50	40	54.0	4.5	9.0	CAP751204	5
63	50	67.0	5.0	10.0	CAP751374	1

For stainless steel 316L references, please contact us.

Accessories - metallic Pg thread

Cable glands and accessories



Technical specification

Material

Nickel-plated brass

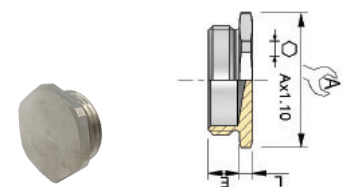
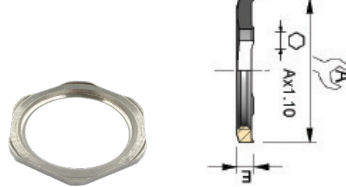
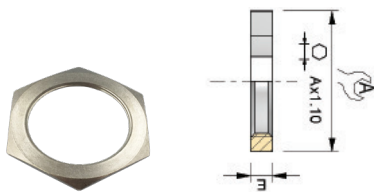
Stainless steel 316L

Pg electrical threadforms

UTE C 68-312 – DIN 40430

Protection

Adaptors, stopping plugs and reducers: IP66, IP68 with composite or neoprene washer



Ordering codes - Locknut

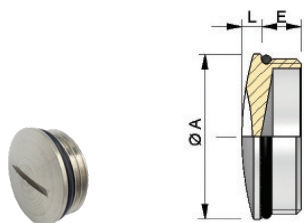
Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	15.0	3.0	CAP280704	20
Pg9	18.0	3.0	CAP280904	20
Pg11	21.0	3.0	CAP281104	20
Pg13	23.0	3.0	CAP281304	20
Pg16	26.0	3.0	CAP281604	20
Pg21	32.0	3.5	CAP282104	20
Pg29	41.0	4.0	CAP282904	10
Pg36	51.0	5.0	CAP283604	10
Pg42	58.0	5.0	CAP284204	5
Pg48	64.0	6.0	CAP284884	5

Ordering codes - Earthing locknut

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	15.0	3.0	CAP280794	20
Pg9	18.0	3.0	CAP280994	20
Pg11	21.0	3.0	CAP281194	20
Pg13	23.0	3.0	CAP281394	20
Pg16	26.0	3.0	CAP281694	20
Pg21	32.0	3.5	CAP282194	20
Pg29	41.0	4.0	CAP282994	10
Pg36	51.0	5.0	CAP283694	10
Pg42	58.0	5.0	CAP284294	5
Pg48	64.0	6.0	CAP284994	5

Ordering codes - Hex head stopping plug

Pg	A	L	E	CATALOG NUMBER	ORDER UNIT
Pg7	15.0	2.5	6.5	CAP190704	20
Pg9	18.0	2.5	6.5	CAP190904	20
Pg11	21.0	3.0	7.0	CAP191104	20
Pg13	23.0	3.0	7.0	CAP191304	20
Pg16	26.0	3.5	7.0	CAP191604	20
Pg21	32.0	4.0	8.0	CAP192104	20
Pg29	41.0	4.0	8.5	CAP192904	10
Pg36	51.0	5.0	8.5	CAP193604	10
Pg42	58.0	6.0	10.0	CAP194204	1
Pg48	64.0	6.5	11.0	CAP194884	1



Ordering codes - Dome head stopping plug

Pg	øA	L	E	CATALOG NUMBER	ORDER UNIT
Pg7	14.0	2.5	6.5	CAP196074	20
Pg9	17.0	2.5	6.5	CAP196094	20
Pg11	20.0	3.0	7.0	CAP196114	20
Pg13	22.0	3.0	7.0	CAP196134	20
Pg16	24.0	3.5	7.0	CAP196174	20
Pg21	30.0	4.0	8.0	CAP196214	20
Pg29	39.0	4.0	8.5	CAP196294	10
Pg36	50.0	5.0	8.5	CAP196364	10
Pg42	57.0	6.0	10.0	CAP196424	1
Pg48	64.0	6.5	11.0	CAP196494	1

Ordering codes - Amplifier M/F

Pg M	Pg F	A	L	E	øD	CATALOG NUMBER	ORDER UNIT
Pg7	Pg9	17.0	7.5	4.0	10.0	CAP070904	50
Pg9	Pg11	20.0	8.5	5.0	12.0	CAP091104	50
Pg9	Pg13	22.0	8.5	5.0	12.0	CAP091304	50
Pg11	Pg13	22.0	8.5	6.0	15.0	CAP111304	50
Pg11	Pg16	24.0	8.5	6.0	15.0	CAP111604	50
Pg13	Pg16	24.0	8.5	6.0	16.5	CAP131604	50
Pg13	Pg21	30.0	8.5	6.0	16.5	CAP132104	50
Pg16	Pg21	30.0	10.0	6.0	18.5	CAP162104	50
Pg21	Pg29	40.0	11.5	7.0	24.0	CAP212904	10
Pg29	Pg36	50.0	11.5	8.0	32.0	CAP293604	5
Pg36	Pg42	58.0	15.0	8.0	41.0	CAP364204	1
Pg36	Pg48	64.0	15.0	8.0	41.0	CAP364884	1
Pg42	Pg48	64.0	15.0	8.0	48.0	CAP424884	1

For stainless steel 316L references, please contact us.

Accessories - metallic Pg thread

Cable glands and accessories



Technical specification

Material

Nickel-plated brass

Stainless steel 316L

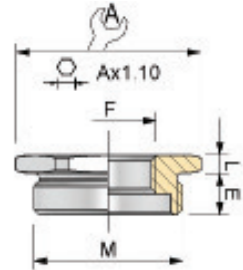
Pg electrical threadforms

UTE C 68-312 – DIN 40430

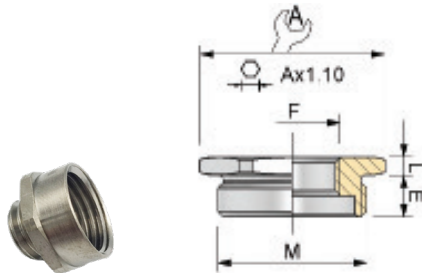
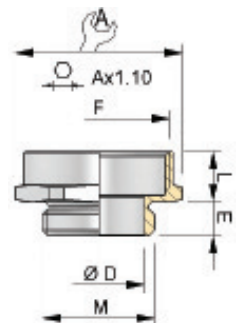
Protection

Adaptors, stopping plugs and reducers: IP66, IP68
with composite or neoprene washer

Type 1:



Type 2:



Ordering codes - Reducer

Pg M	Pg F	A	L	E	CATALOG NUMBER	ORDER UNIT
Pg9	Pg7	16.0	2.0	5.0	CAP090704	100
Pg11	Pg7	20.0	2.0	6.0	CAP110704	100
Pg11	Pg9	20.0	2.0	6.0	CAP110904	100
Pg13	Pg9	22.0	2.5	6.0	CAP130904	100
Pg13	Pg11	22.0	2.5	6.0	CAP131104	100
Pg16	Pg9	24.0	2.5	6.0	CAP160904	100
Pg16	Pg11	24.0	2.5	6.0	CAP161104	100
Pg16	Pg13	24.0	2.5	6.0	CAP161304	100
Pg21	Pg9	30.0	3.0	7.0	CAP210904	100
Pg21	Pg11	30.0	3.0	7.0	CAP211104	100
Pg21	Pg13	30.0	3.0	7.0	CAP211304	100
Pg21	Pg16	30.0	3.0	7.0	CAP211604	100
Pg29	Pg16	38.0	3.0	8.0	CAP291604	50
Pg29	Pg21	38.0	3.0	8.0	CAP292104	50
Pg36	Pg21	38.0	3.5	8.0	CAP362104	10
Pg36	Pg29	48.0	3.5	8.0	CAP362904	10
Pg42	Pg29	58.0	4.0	10.0	CAP422904	1
Pg42	Pg36	58.0	4.0	10.0	CAP423604	1
Pg48	Pg36	62.0	4.0	10.0	CAP483684	5
Pg48	Pg42	62.0	4.0	10.0	CAP484284	1

Ordering codes - Adaptor

Pg M	ISO F	A	L	E	øD	TYPE	CATALOG NUMBER	ORDER UNIT
Pg7	12	14.0	7.0	6.5	9.8	1	CAP751774	10
Pg7	16	19.0	8.5	6.5	9.8	1	CAP750094	10
Pg9	12	19.0	2.5	6.5	-	2	CAP751844	10
Pg9	16	19.0	8.5	6.5	12.0	1	CAP750104	10
Pg9	20	22.0	8.5	6.5	12.0	1	CAP750364	10
Pg11	12	21.0	3.0	7.0	-	2	CAP751874	10
Pg11	16	21.0	7.5	7.0	-	2	CAP750114	10
Pg11	20	22.0	8.5	7.0	15.0	1	CAP750374	10
Pg13	16	23.0	3.0	7.0	-	2	CAP750124	10
Pg13	20	24.0	8.5	7.0	16.8	1	CAP750384	10
Pg13	25	27.0	9.5	7.0	16.8	1	CAP750644	5
Pg16	16	27.0	3.0	8.0	-	2	CAP750134	10
Pg16	20	27.0	7.5	8.0	18.5	1	CAP750394	10
Pg16	25	27.0	9.5	8.0	18.8	1	CAP750654	10
Pg21	25	32.0	3.5	8.0	-	2	CAP750864	10
Pg21	32	34.0	10.5	8.0	24.0	1	CAP750924	10
Pg29	32	42.0	4.0	8.5	-	2	CAP750934	10
Pg29	40	42.0	10.5	8.5	32.8	1	CAP751194	5
Pg36	40	51.0	4.5	8.5	-	2	CAP751294	5
Pg36	50	53.0	11.5	8.5	42.5	1	CAP751464	1
Pg42	50	58.0	4.5	10.0	-	2	CAP751474	1
Pg42	63	67.0	13.0	10.0	49.5	1	CAP751734	1
Pg48	50	54.0	5.0	11.0	-	2	CAP751484	1
Pg48	63	67.0	13.0	11.0	54.5	1	CAP751744	1

For stainless steel 316L references, please contact us.

All dimensions in mm. Accessories also available in other threadforms, including NPT - please contact Customer Services.



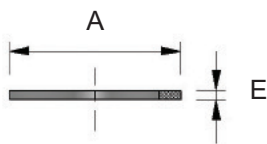
Technical specification

Material

Composite, neoprene or perbunan

Applications

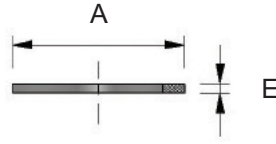
For cable glands, stopping plugs, reducers, adaptors, etc.



Ordering codes - Fibre sealing washer

ISO	A	E	CATALOG NUMBER	ORDER UNIT
10	15.0	1.2	CAP221045	20
12	18.0	1.2	CAP221245	20
16	22.0	1.2	CAP221645	20
20	27.0	1.2	CAP222045	20
25	35.0	1.5	CAP222545	20
32	43.0	1.5	CAP223245	10
40	55.0	1.5	CAP224045	10
50	69.0	1.5	CAP225045	1
63	82.0	2.0	CAP226345	1
75	94.0	2.0	CAP227545	1
90	110.0	2.0	CAP229045	1
110	130.0	2.0	CAP221145	1

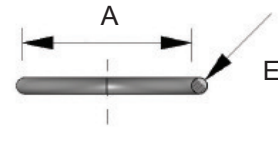
Operating temperature: -60 °C to +140 °C



Ordering codes - Neoprene sealing washer

ISO	A	E	CATALOG NUMBER	ORDER UNIT
10	15.0	1.2	CAP221049	20
12	18.0	1.2	CAP221249	20
16	18.0	1.2	CAP221649	20
20	22.0	1.2	CAP222049	20
25	24.0	1.5	CAP222549	20
32	30.0	1.5	CAP223249	10
40	42.0	1.5	CAP224049	10
50	52.0	1.5	CAP225049	5
63	63.0	2.0	CAP226349	5
75	90.0	2.0	CAP227549	1
90	106.0	2.0	CAP229049	1
110	126.0	2.0	CAP221149	1

Operating temperature: -35 °C to +120 °C



Ordering codes - Perbunan O-ring

ISO	A	E	CATALOG NUMBER	ORDER UNIT
12	10.0	1.8	CAP241244	20
16	12.5	1.8	CAP241644	20
20	17.0	1.8	CAP242044	20
25	22.0	1.8	CAP242544	20
32	28.0	1.6	CAP243244	20
40	37.0	1.8	CAP244044	10
50	46.0	1.8	CAP245044	10
63	57.0	1.8	CAP246344	10

Operating temperature: -30 °C to +100 °C

Ordering codes - Fibre sealing washer

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	17.0	1.5	CAP240750	20
Pg9	21.0	1.5	CAP240950	20
Pg11	25.0	1.5	CAP241150	20
Pg13	27.0	1.5	CAP241350	20
Pg16	31.0	1.5	CAP241650	20
Pg21	39.0	1.5	CAP242150	20
Pg29	50.0	1.5	CAP242950	10
Pg36	64.0	1.5	CAP243650	10
Pg42	73.0	1.5	CAP244250	1
Pg48	79.0	2.0	CAP244850	1

Operating temperature: -60 °C to +140 °C

Ordering codes - Neoprene sealing washer

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	17.0	1.2	CAP240749	20
Pg9	21.0	1.2	CAP240949	20
Pg11	24.0	1.2	CAP241149	20
Pg13	27.0	1.2	CAP241349	20
Pg16	30.0	1.2	CAP241649	20
Pg21	35.0	1.2	CAP242149	20
Pg29	45.0	1.2	CAP242949	20
Pg36	60.0	1.2	CAP243649	20
Pg42	65.0	1.2	CAP244249	1
Pg48	71.0	1.2	CAP244849	1

Operating temperature: -35 °C to +120 °C

Ordering codes - Perbunan O-ring

Pg	A	E	CATALOG NUMBER	ORDER UNIT
Pg7	10.0	1.3	CAP240746	20
Pg9	12.0	1.6	CAP240946	20
Pg11	16.0	1.6	CAP241146	20
Pg13	16.0	1.6	CAP241346	20
Pg16	18.5	1.6	CAP241646	20
Pg21	23.5	1.8	CAP242146	20
Pg29	32.0	1.6	CAP242946	20
Pg36	41.0	1.8	CAP243646	10
Pg42	46.0	1.8	CAP244246	10
Pg48	55.0	2.0	CAP244846	10

Operating temperature: -30 °C to +100 °C

Nouan-le-Fuzelier, our manufacturing site in France



From the suburbs of Paris, a history and evolution

- The main office for CAPRI products
- Features over 50 machines and 20 assembly stations
- 190 employees (of which 86 are production workers)
- 800 tones of metal and 700 tones of plastic processed per annum
- Sales to more than 70 countries

The history of the business goes back to the beginning of the 20th century and two French-based companies: CODEC a family organisation started in 1908 and "Commercial Accessories Products and Industrial fittings" or CAPRI was founded after the first world war in 1922.

In 1964, CAPRI and CODEC merged together and established in Nouan-le-Fuzelier, France where the business has been based until this day.

A few key dates

1950 - First industrial cable gland

Named "P32", it replaces the tow around the electric cable.

1965 - The "octopus" system is invented

Used to distribute electrical wiring in concrete slabs.

1972 - Raxton is founded

Raxton established as a thread conversion business for hazardous areas and industrial applications in 1972.

1973 - The Capriclips range is born

The first box for drywall is created.

1979 - Foundation of Redapt

Specialized in Ex and named after its core product range REDucers and aDAPTors.

1988 - First ATEX approved cable gland

Redapt launches its first ATEX cable gland in 1988, adding to the ATEX adaptors and plugs product ranges already available.



2012 - Arrival of Eaton

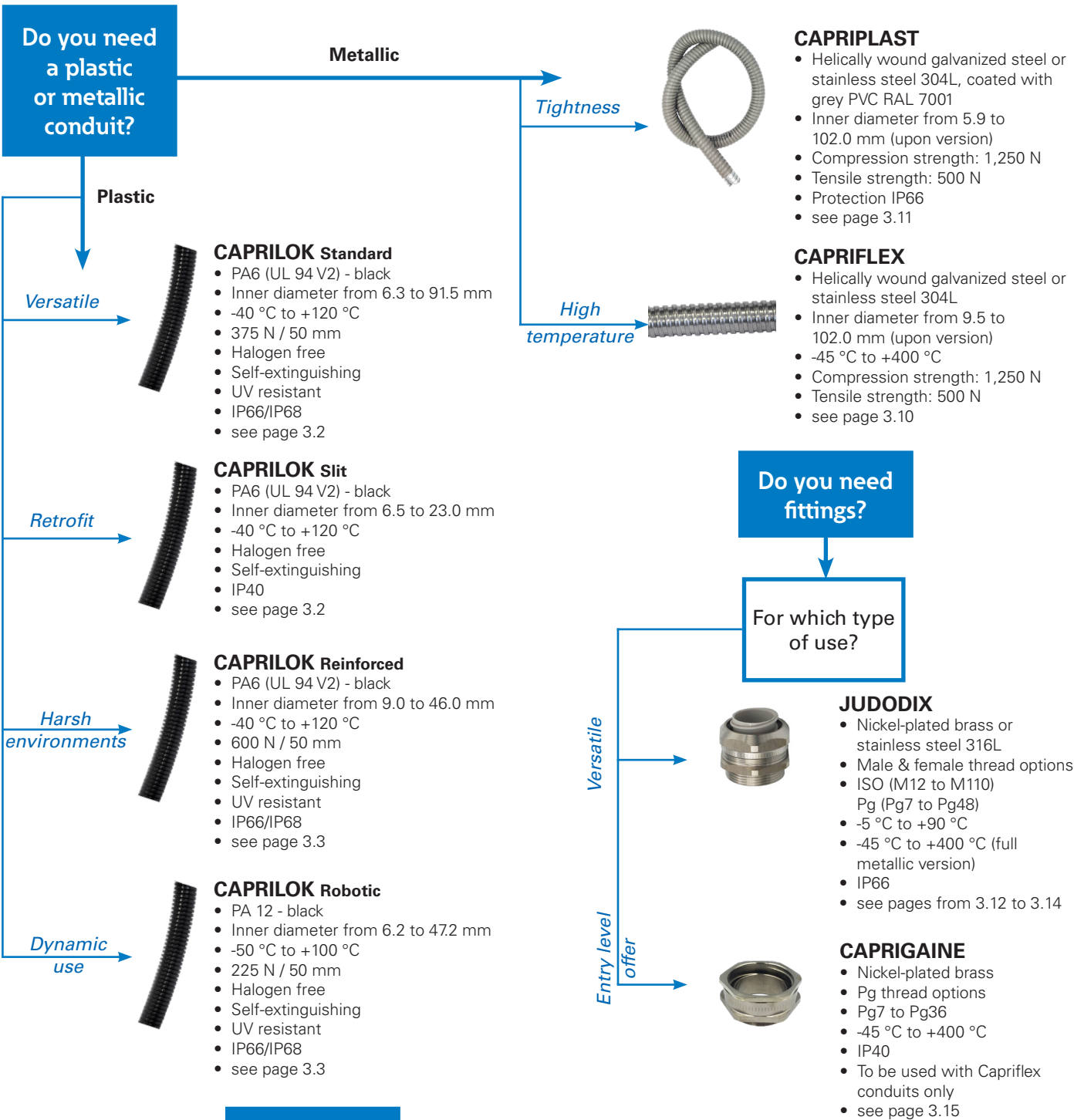
Following previous integration into Cooper Industries (1999 for CAPRI-CODEC and 2010 for Redapt and Raxton). All three brands are brought into the international group Eaton which in 2020 has sales of \$17.9 billion. We offer one of the largest and most comprehensive ranges of conduits, cable and wire management products on the market today.

CAPRILOK conduit in polyamide:	
Standard type / Slit type	3.2
Reinforced type / Robotic type	3.3
CAPRILOK fittings:	
Standard straight fitting	3.4
Standard 90° elbow fitting.....	3.5
Kompakt straight fitting	3.6
Kompakt 90° elbow fitting.....	3.7
Premium straight swivel fitting.....	3.8
Premium 45° elbow swivel fitting.....	3.9
Premium 90° elbow swivel fitting.....	3.9
CAPRIFLEX conduit in galvanized steel or stainless steel 304L, helically wound	3.10
CAPRIPLAST conduit in galvanized steel or stainless steel 304L, with PVC cover.....	3.11
JUDODIX ISO fittings in nickel-plated brass.....	3.12
JUDODIX Pg fittings in nickel-plated brass	3.13
JUDODIX ISO / Pg fittings in stainless steel 316L	3.14
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CAPRILOK accessories:	
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Conduit end cap / Rubber end cap	3.16
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Plastic locknuts / Metallic locknuts / IP washers	3.16
Complementary accessories:	
Isolated terminal / Metallic terminal / Earthing terminal	3.17
Coupler ISO metallic	3.17
Elbow ISO metallic / Elbow Pg metallic	3.17
CAPRIFLEX GS conduit in galvanized steel covered with a steel braid.....	3.17
CAPRIFLEX GS fittings.....	3.17
CAPRIPLAST GS conduit in steel with PVC sleeve and braided galvanised steel cover.....	3.17
CAPRIPLAST GS fittings	3.17

For assistance on conduits and fittings selection, see the selection guide on page 3.1



The flow chart below may be used to determine the type of conduit required for your applications.





Standard type



Certifications

EN 61386-23

Continuous operating temperature

-40 °C to +120 °C

Temperature range - moving applications

-20 °C to + 100 °C

Material

Polyamide 6 (UL 94 V2) - black

Compression strength

375 N / 50 mm

Tensile strength

40 kg / 100 mm (size 21)

Applications

All types

Benefits

Halogen free

Self-extinguishing

UV resistant



Perfectly adapted to all types of applications

The CAPRILOK range of conduits offers multiple versions of spiral plastic conduits for various applications, including solutions for dynamic uses, reinforced for enhanced resistance and specialist robotic options. Combined with the CAPRILOK fittings in various styles, it offers a comprehensive and adaptable solution.

Ordering codes - Standard type

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
7	10.0	6.3	15.0	CAP670707	50
9	13.0	9.8	25.0	CAP670907	50
11	15.8	11.8	35.0	CAP671107	50
13	18.5	14.2	40.0	CAP671307	50
16	21.2	16.7	45.0	CAP671607	50
21	28.5	22.8	50.0	CAP672107	50
29	34.5	28.1	60.0	CAP672907	50
36	42.5	35.5	70.0	CAP673607	25
48	54.5	47.2	80.0	CAP674807	25
80	80.0	67.0	160.0	CAP678007	10
106	106.0	91.5	210.0	CAP679907	10

Slit type



Certifications

EN 61386-23

Continuous operating temperature

-40 °C to +120 °C

Material

Polyamide 6 (UL 94 V2) - black

Intermittent temperature range

+ 150 °C

Applications

Retrofit

Benefits

Halogen free

Self-extinguishing



Perfectly adapted to retrofit applications

The CAPRILOK range of conduits offers multiple versions of spiral plastic conduits for various applications, including solutions for dynamic uses, reinforced for enhanced resistance and specialist robotic options. Combined with the CAPRILOK fittings in various styles, it offers a comprehensive and adaptable solution.

Ordering codes - Slit type

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
7	10.0	6.5	15.0	CAP670857	50
9	11.5	8.5	20.0	CAP671057	50
10	13.0	10.0	25.0	CAP671257	50
13	16.1	12.8	35.0	CAP671657	50
15	18.5	14.2	35.0	CAP671857	50
17	21.2	16.9	40.0	CAP672057	25
20	25.4	21.4	45.0	CAP672557	25
24	28.5	23.0	45.0	CAP672857	25



Reinforced type



Certifications

EN 61386-23

Continuous operating temperature

-40 °C to +120 °C

Temperature range - moving applications

-20 °C to + 100 °C

Material

Polyamide 6 (UL 94 V2) - black

Compression strength

600 N / 50 mm

Tensile strength

70 kg / 100 mm (size 21)

Applications

Mechanical harsh environments

Benefits

Halogen free

Self-extinguishing

UV resistant

IP66

IP68



RoHS

Perfectly adapted to mechanical harsh environments

The CAPRILOK range of conduits offers multiple versions of spiral plastic conduits for various applications, including solutions for dynamic uses, reinforced for enhanced resistance and specialist robotic options. Combined with the CAPRILOK fittings in various styles, it offers a comprehensive and adaptable solution.

Ordering codes - Reinforced type

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
9	13.0	9.0	35.0	CAP670997	50
11	15.8	11.5	45.0	CAP671197	50
16	21.2	15.5	55.0	CAP671697	50
21	28.5	21.3	60.0	CAP672197	50
29	34.5	27.6	70.0	CAP672997	50
36	42.5	34.6	80.0	CAP673697	25
48	54.5	46.0	90.0	CAP674897	25

Robotic type



Certifications

EN 61386-23

Continuous operating temperature

-50 °C to +100 °C

Temperature range - moving applications

-20 °C to + 85 °C

Material

Polyamide 12 - black

Compression strength

225 N / 50 mm

Tensile strength

45 kg / 100 mm (size 21)

Applications

Robotic and dynamic applications

Benefits

Halogen free

Self-extinguishing

UV resistant

IP66

IP68



RoHS

Perfectly adapted to dynamic applications

The CAPRILOK range of conduits offers multiple versions of spiral plastic conduits for various applications, including solutions for dynamic uses, reinforced for enhanced resistance and specialist robotic options. Combined with the CAPRILOK fittings in various styles, it offers a comprehensive and adaptable solution.

Ordering codes - Robotic type

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
7	10.0	6.2	15.0	CAP670786	50
9	13.0	9.8	25.0	CAP670986	50
11	15.8	11.8	30.0	CAP671186	50
16	21.2	16.7	35.0	CAP671686	50
21	28.5	21.7	45.0	CAP672186	50
29	34.5	28.1	55.0	CAP672986	25
36	42.5	35.5	60.0	CAP673686	25
48	54.5	47.2	70.0	CAP674886	25



Standard straight fitting



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Certifications

Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68311 and DIN 40430

Protection rating

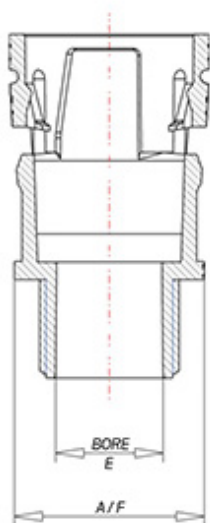
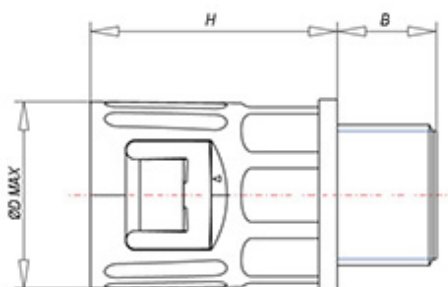
IP66: protection according to EN 60529
(couple conduit / fitting)

IP66: with flat gasket on the tail thread

IP66



The CAPRILOK Standard fittings is a range of simple and cost-effective connectors and baseplates for use on CAPRILOK conduits.



Ordering codes - ISO type straight Standard

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
7	10.0	M12	9.0	7.5	19.0	24.0	19.0	CAP680127	10
9	13.0	M16	12.0	11.0	18.0	31.0	18.0	CAP680167	10
11	15.8	M16	12.0	11.0	21.0	32.0	21.0	CAP680177	10
11	15.8	M20	14.0	14.5	21.0	32.0	25.0	CAP680207	10
13	18.6	M20	14.0	14.5	32.0	30.0	30.0	CAP680227	10
16	21.2	M20	14.0	14.5	26.0	35.0	27.0	CAP680217	10
21	28.5	M25	15.0	19.5	34.0	39.0	34.0	CAP680257	10
29	34.5	M32	16.0	26.5	41.0	42.0	41.0	CAP680327	10
36	42.5	M40	16.0	32.5	63.0	44.0	60.0	CAP680407	2
48	54.5	M50	16.0	42.0	76.0	49.0	73.0	CAP680507	2
48	54.5	M63	16.0	53.0	76.0	49.0	73.0	CAP680637	2

Ordering codes - Pg type straight Standard

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	Pg9	10.0	11.5	18.0	31.0	18.0	CAP680907	10
9	13.0	Pg11	10.0	11.5	18.0	31.0	22.0	CAP681157	10
9	13.0	Pg13	10.0	11.5	18.0	31.0	27.0	CAP681357	10
11	15.8	Pg9	10.0	11.5	21.0	32.0	21.0	CAP680937	10
11	15.8	Pg11	10.0	14.5	21.0	32.0	22.0	CAP681107	10
11	15.8	Pg13	10.0	15.5	21.0	32.0	27.0	CAP681327	10
11	15.8	Pg16	11.0	15.5	21.0	32.0	27.0	CAP681637	10
13	18.6	Pg13	10.0	16.5	32.0	30.0	30.0	CAP681307	10
16	21.2	Pg11	10.0	14.5	26.0	35.0	22.0	CAP681127	10
16	21.2	Pg13	10.0	16.0	26.0	35.0	27.0	CAP681337	10
16	21.2	Pg16	11.0	17.5	26.0	35.0	27.0	CAP681607	10
21	28.5	Pg21	12.0	22.5	34.0	39.0	34.0	CAP682107	10
29	34.5	Pg29	12.0	30.5	41.0	42.0	43.0	CAP682907	10
36	42.5	Pg36	12.0	40.0	63.0	44.0	60.0	CAP683607	2



Standard 90° elbow fitting



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Certifications

Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68311 and DIN 40430

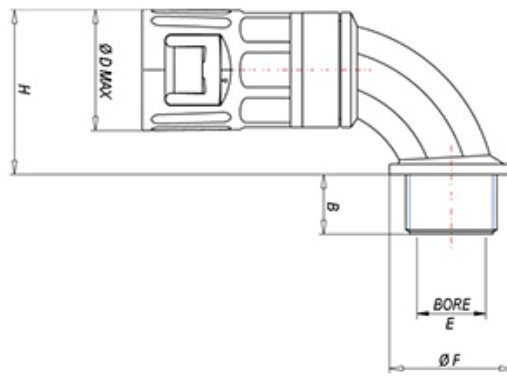
Protection rating

IP66: protection according to EN 60529

(couple conduit / fitting)

IP66: with flat gasket on the tail thread

IP66



The CAPRILOK Standard fittings is a range of simple and cost-effective connectors and baseplates for use on CAPRILOK conduits.

Ordering codes - ISO type elbow 90° Standard

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	DIAMETER F	CATALOG NUMBER	COND.
11	15.8	M16	11.5	10.5	20.8	33.2	22.0	CAP688147	10
11	15.8	M20	13.0	14.0	25.0	35.3	27.0	CAP688157	10
16	21.2	M20	13.0	14.0	26.4	35.9	27.0	CAP688207	10
21	28.6	M25	15.0	19.0	34.2	45.0	32.5	CAP688257	10
29	34.5	M32	16.0	24.5	41.1	52.8	40.0	CAP688327	10

Ordering codes - Pg type elbow 90° Standard

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	DIAMETER F	CATALOG NUMBER	COND.
11	15.8	Pg11	10.0	10.5	20.8	33.2	24.0	CAP681187	10
13	18.6	Pg13	11.0	14.0	32.0	42.0	26.0	CAP681387	10
16	21.2	Pg16	11.0	14.0	26.4	35.9	27.0	CAP681687	10
21	28.5	Pg21	12.0	19.0	34.2	45.0	35.0	CAP682187	10
29	34.5	Pg29	12.0	24.5	41.1	52.8	44.0	CAP682987	10



Kompakt straight fitting



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Benefits

Compact design

Internal thermoplastic sealing ring

Certifications

E-229161

Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68311 and DIN 40430

Protection rating

IP66: protection according to EN 60529
(couple conduit / fitting)

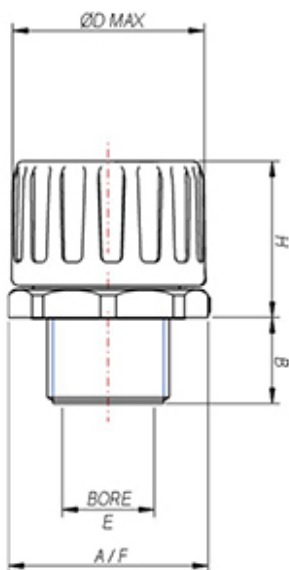
IP66: with flat gasket on the tail thread

IP66

IP67



The CAPRILOK Kompakt fittings is a range of connectors offering enhanced features over the Standard range. This includes an enhanced sealing connection achieving an IP67/68 and a wide range of accessories for a perfect solution.



Ordering codes - ISO type straight Kompakt

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	M16	11.0	11.0	24.0	26.0	22.0	CAP691717	10
11	15.8	M16	11.0	11.0	29.0	30.0	28.0	CAP691817	10
11	15.8	M20	14.0	14.5	29.0	30.0	28.0	CAP691917	10
16	21.2	M20	14.0	14.5	32.0	30.0	30.0	CAP692017	10
21	28.5	M25	15.0	19.5	44.0	35.0	42.0	CAP692517	10
29	34.5	M32	16.0	26.5	51.0	37.0	49.0	CAP693217	10
36	42.5	M40	16.0	32.5	63.0	45.0	60.0	CAP694017	2
48	54.5	M50	16.0	42.0	76.0	49.0	73.0	CAP695017	2

Ordering codes - Pg type straight Kompakt

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	Pg9	11.0	11.5	24.0	26.0	23.0	CAP690907	10
11	15.8	Pg11	10.0	14.5	29.0	30.0	28.0	CAP691107	10
16	21.2	Pg16	11.0	18.0	32.0	30.0	30.0	CAP691607	10
21	28.5	Pg21	12.0	22.5	44.0	34.0	42.0	CAP692107	10
29	34.5	Pg29	12.0	30.0	51.0	37.0	49.0	CAP692907	10
36	42.5	Pg36	12.0	40.0	63.0	44.0	60.0	CAP693607	2
48	54.5	Pg48	12.0	52.0	76.0	49.0	73.0	CAP694807	2



Kompakt elbow 90° fitting



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Benefits

Compact design

Internal thermoplastic sealing ring

Certifications

E-229161

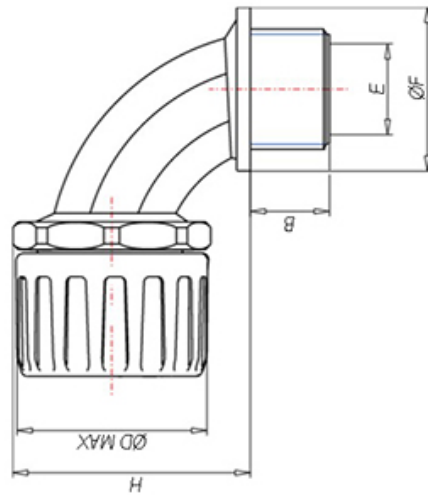
Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68311 and DIN 40430

Protection rating

IP66: protection according to EN 60529
(couple conduit / fitting)

IP66: with flat gasket on the tail thread



The CAPRILOK Kompakt fittings is a range of connectors offering enhanced features over the Standard range. This includes an enhanced sealing connection achieving an IP67/68 and a wide range of accessories for a perfect solution.

Ordering codes - ISO type elbow 90° Kompakt

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	DIAMETER F	CATALOG NUMBER	COND.
9	13.0	M16	11.0	10.5	24.0	35.0	22.0	CAP691727	10
11	15.8	M16	11.0	10.5	29.0	28.0	22.0	CAP691827	10
11	15.8	M20	13.0	14.0	29.0	38.0	27.0	CAP691927	10
16	21.2	M20	13.0	14.0	32.0	40.0	27.0	CAP692027	10
21	28.5	M25	15.0	19.0	44.0	51.0	32.0	CAP692527	10
29	34.5	M32	16.0	24.5	51.0	59.0	40.0	CAP693227	10
36	42.5	M40	16.0	32.5	63.0	82.0	50.0	CAP694027	2
48	54.5	M50	16.0	39.0	76.0	88.0	60.0	CAP695027	2

Ordering codes - Pg type elbow 90° Kompakt

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	DIAMETER F	CATALOG NUMBER	COND.
9	13.0	Pg9	10.0	10.5	24.0	36.0	22.0	CAP690987	10
11	15.8	Pg11	10.0	10.5	29.0	39.0	24.0	CAP691187	10
16	21.2	Pg16	11.0	14.0	32.0	42.0	26.0	CAP691687	10
21	28.5	Pg21	12.0	19.0	44.0	54.0	35.0	CAP692187	10
29	34.5	Pg29	12.0	24.5	51.0	63.0	44.0	CAP692987	10
36	42.5	Pg36	12.0	39.0	63.0	87.0	57.0	CAP693687	2
48	54.5	Pg48	15.0	49.5	76.0	89.0	70.0	CAP694887	2



Premium straight fitting



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Nickel-plated brass

Benefits

Nickel-plated brass male thread base

Certifications

E-229161

Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68312 and DIN 40430

Protection rating

IP66: protection according to EN 60529

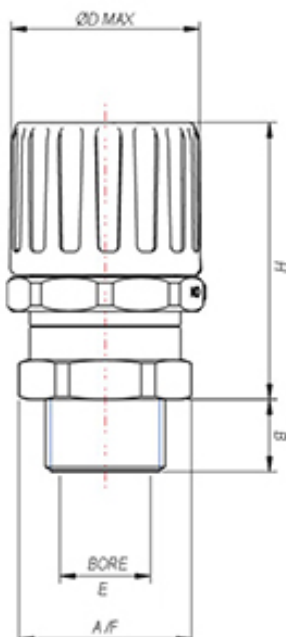
(couple conduit / fitting)

IP66: with flat gasket on the tail thread

IP66



The CAPRILOK Premium fittings is a range of connectors offering enhanced features over the Standard range. This includes an enhanced connection with a nickel plated brass threaded base and a wide range of accessories for a perfect solution.



Ordering codes - ISO type straight Premium

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	M16	12.0	11.0	24.0	39.0	20.0	CAP680164	10
11	15.8	M16	12.0	11.0	29.0	45.0	20.0	CAP680174	10
11	15.8	M20	12.0	14.5	29.0	45.0	24.0	CAP680214	10
16	21.2	M20	12.0	14.5	32.0	45.0	24.0	CAP680204	10
21	28.5	M25	12.0	19.5	44.0	50.0	29.0	CAP680254	10
29	34.5	M32	13.0	26.5	51.0	54.0	38.0	CAP680324	10
36	42.5	M40	15.0	32.5	63.0	64.0	50.0	CAP680404	2
48	54.5	M50	17.0	42.0	76.0	68.0	58.0	CAP680504	2
48	54.5	M63	16.0	53.0	76.0	68.0	70.0	CAP680634	2

Ordering codes - Pg type straight Premium

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	Pg9	10.0	11.0	24.0	39.0	22.0	CAP680904	10
11	15.8	Pg11	12.0	11.0	29.0	40.0	24.0	CAP681104	10
16	21.2	Pg13	10.0	14.5	32.0	45.0	24.0	CAP681504	10
16	21.2	Pg16	13.0	14.5	32.0	45.0	29.0	CAP681604	10
21	28.5	Pg21	14.0	19.5	44.0	50.0	35.0	CAP682104	10
29	34.5	Pg29	14.0	26.5	51.0	54.0	42.0	CAP682904	10
36	42.5	Pg36	17.0	42.0	63.0	64.0	58.0	CAP683604	2



Premium elbow 45° and 90° fittings



Continuous operating temperature

-50 °C to +135 °C

Material

Polyamide 6.6 (UL 94 V2) - black

Nickel-plated brass

Benefits

Nickel-plated brass male thread base

Certifications

E-229161

Connection by ISO metric thread according to EN 60423

Connection by electrical Pg thread according to UTE C 68312 and DIN 40430

Protection rating

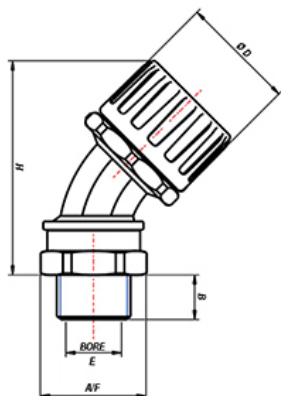
IP66: protection according to EN 60529
(couple conduit / fitting)

IP66: with flat gasket on the tail thread

IP66

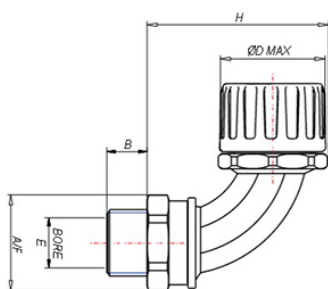


The CAPRILOK Premium fittings is a range of connectors offering enhanced features over the Standard range. This includes an enhanced connection with a nickel plated brass threaded base and a wide range of accessories for a perfect solution.



Ordering codes - ISO type elbow 45° Premium

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
11	15.8	M16	12.0	14.0	29.0	57.0	24.0	CAP689147	10
11	15.8	M20	12.0	14.0	29.0	57.0	24.0	CAP689157	10
16	21.2	M20	12.0	14.0	32.0	64.0	24.0	CAP689207	10
21	28.5	M25	12.0	19.0	44.0	78.0	29.0	CAP689257	10
29	34.5	M32	13.0	24.5	51.0	85.0	38.0	CAP689327	10
36	42.5	M40	15.0	34.5	63.0	100.0	50.0	CAP689407	2
48	54.5	M50	17.0	39.0	76.0	120.0	58.0	CAP689507	2
48	54.5	M63	17.0	39.0	76.0	120.0	70.0	CAP689637	2



Ordering codes - ISO type elbow 90° Premium

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	M16	12.0	10.5	24.0	48.0	20.0	CAP681284	10
11	15.8	M16	12.0	10.5	29.0	50.0	20.0	CAP681784	10
16	21.2	M20	12.0	14.0	32.0	54.0	24.0	CAP682084	10
21	28.5	M25	12.0	19.0	32.0	67.0	29.0	CAP682584	10
29	34.5	M32	13.0	24.5	44.0	75.0	38.0	CAP683284	10
36	42.5	M40	15.0	32.5	51.0	102.0	50.0	CAP684084	2
48	54.5	M50	17.0	39.0	63.0	107.0	58.0	CAP685084	2
48	54.5	M63	17.0	39.0	76.0	107.0	70.0	CAP686384	2

Ordering codes - Pg type elbow 90° Premium

SIZE	CONDUIT EXTERNAL DIAMETER	FITTING THREAD	THREAD LENGTH B	BORE E	MAX DIAMETER D	HEIGHT H	A/F	CATALOG NUMBER	COND.
9	13.0	Pg9	10.0	10.0	24.0	48.0	22.0	CAP680984	10
11	15.8	Pg11	12.0	10.0	29.0	50.0	24.0	CAP681184	10
16	21.2	Pg13	10.0	10.0	32.0	54.0	24.0	CAP681584	10
16	21.2	Pg16	13.0	11.2	32.0	54.0	29.0	CAP681684	10
21	28.5	Pg21	14.0	11.5	44.0	67.0	35.0	CAP682184	10
29	34.5	Pg29	14.0	12.2	51.0	75.0	42.0	CAP682984	10
36	42.5	Pg36	17.0	12.2	63.0	102.0	58.0	CAP683684	2
48	54.5	Pg48	12.0	16.0	76.0	107.0	64.0	CAP684884	2



CAPRIFLEX conduit



Certifications

EN 61386-1, EN 61386-23

Type MSA4457

Continuous operating temperature

-45 °C to +400 °C

Materials

- Galvanized steel, helically wound
- Stainless steel 304L, helically wound

Compression strength

1,250 N / 200 mm

Tensile strength

500 N / 200 mm

Classification

Galvanized steel: 445741402310

Stainless steel 304L: 445741404310



CAPRIFLEX is a range of flexible conduit made of helically wound galvanized or stainless steel 304L.

Used together with Eaton's CAPRIGAINÉ and JUDODIX connectors, the assembly offers versatile and adaptable solutions to protect cables from harsh environments and damages from crushing or pull-out.

Ordering codes - Galvanized steel

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
7	12.5	9.5	25.0	CAP300700	50
9	14.8	11.9	30.0	CAP300900	50
11	18.4	15.0	35.0	CAP301100	50
13	20.3	16.6	40.0	CAP301300	50
16	22.2	18.4	45.0	CAP301600	50
21	27.6	23.7	55.0	CAP302100	25
29	36.5	32.6	60.0	CAP302900	25
36	47.0	41.0	65.0	CAP303600	15
48	59.0	53.0	70.0	CAP304800	15
3"	83.0	76.5	180.0	CAP305300	10
4"	110.0	102.0	240.0	CAP305400	10

Ordering codes - Stainless steel 304L

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
7	12.5	9.5	25.0	CAP300709	50
9	14.8	11.9	30.0	CAP300909	50
11	18.4	15.0	35.0	CAP301109	50
13	20.3	16.6	40.0	CAP301309	50
16	22.2	18.4	45.0	CAP301609	50
21	27.6	23.7	55.0	CAP302109	25
29	36.5	32.6	60.0	CAP302909	25
36	47.0	41.0	65.0	CAP303609	15
48	59.0	53.0	70.0	CAP304809	15
3"	83.0	76.5	180.0	CAP305309	10
4"	110.0	102.0	240.0	CAP305409	10



CAPRIPLAST conduit



Certifications

EN 61386-1, EN 61386-23

Type CSA4421

Continuous operating temperature

-5 °C to +60 °C

Classification

Galvanized steel: 442141552310

Stainless steel 304L: 442141554310

Compression strength

1,250 N / 200 mm

Tensile strength

500 N / 200 mm

Materials

- Galvanized steel, helically wound, coated with grey PVC RAL 7001
- Stainless steel 304L, coated with grey PVC RAL 7001

CAPRIPLAST is a range of metallic conduits with a PVC cover. Available in galvanised or stainless steel, with an IP66, the CAPRIPLAST range fully meets the current needs for cable protection in industrial environments. Used together with our JUDODIX connectors, it provides a full and reliable conduit solution.

Ordering codes - Galvanized steel and PVC

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
6	9.0	5.9	25.0	CAP320600	50
7	12.9	9.5	30.0	CAP320700	50
9	15.6	11.5	32.0	CAP320900	50
11	18.8	14.4	40.0	CAP321100	50
13	20.4	16.0	45.0	CAP321300	50
16	22.3	17.6	50.0	CAP321600	50
21	28.2	23.3	60.0	CAP322100	25
29	37.0	31.2	70.0	CAP322900	25
36	47.0	40.0	85.0	CAP323600	15
48	60.0	51.4	115.0	CAP324800	15
3"	85.5	76.5	200.0	CAP325300	10
4"	112.5	102.0	260.0	CAP325400	10

Ordering codes - Stainless steel 304L and PVC

SIZE	CONDUIT DIAMETER EXTERNAL	INTERNAL	BENDING RADIUS	CATALOG NUMBER	COND. (M)
9	15.2	11.5	32.0	CAP320909	50
11	18.8	14.4	40.0	CAP321109	50
13	20.4	16.0	45.0	CAP321309	50
16	22.3	17.6	50.0	CAP321609	50
21	28.2	23.3	60.0	CAP322109	25
29	37.0	31.0	70.0	CAP322909	25
36	47.0	40.0	85.0	CAP323609	15
48	60.0	51.4	115.0	CAP324809	15



JUDODIX ISO fittings



IP66



Certifications

ISO metric thread: EN 60423 and EN 50262

Materials

Nickel-plated brass, polyethylene terminal

Temperature range

-5 °C to +90 °C

-45 °C to +400 °C for the full metallic version

Protection

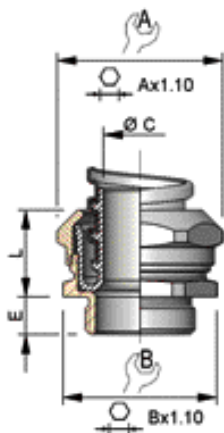
IP66 according to EN 60529

Applications

To be used with CAPRIPLAST and CAPRIFLEX conduits

JUDODIX is a range of conduit fittings for use with our CAPRIPLAST and CAPRIFLEX helically wound steel conduits. Securing on the inner and the outer of the conduit, JUDODIX fittings provide an IP66. Available in nickel plated brass or stainless steel, JUDODIX fittings offer ISO and Pg, male and female thread options which make these truly flexible products.

Ordering codes - Male JUDODIX ISO fitting



SIZE	MALE ISO THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	M12	6.0	10.2	7.5	19.0	17.0	CAP339124
9	M16	6.0	12.5	9.2	22.0	20.0	CAP339164
11	M20	7.0	13.0	11.9	26.0	24.0	CAP339224
13	M20	7.0	13.2	13.6	28.0	26.0	CAP339204
16	M25	8.0	14.0	15.3	30.0	28.0	CAP339254
21	M25	8.0	16.5	20.3	36.0	34.0	CAP339264
21	M32	8.0	16.5	20.3	36.0	36.0	CAP339324
29	M32	8.0	19.5	26.8	47.0	45.0	CAP339334
29	M40	10.0	19.5	26.8	47.0	45.0	CAP339404
36	M40	10.5	26.0	34.7	60.0	56.0	CAP339414
36	M50	11.0	26.0	34.7	60.0	58.0	CAP339504
48	M63	11.0	32.5	45.5	74.0	70.0	CAP339634
3"	M90	22.0	51.0	70.0	120.0	110.0	CAP339904
4"	M110	22.0	59.5	96.0	150.0	140.0	CAP339994

Ordering codes - Female JUDODIX ISO fitting

SIZE	FEMALE ISO THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	M12	5.0	12.7	7.5	19.0	17.0	CAP629124
9	M16	5.0	14.7	9.2	22.0	20.0	CAP629164
11	M20	6.0	15.3	11.9	26.0	24.0	CAP629224
13	M20	6.0	16.0	13.6	28.0	26.0	CAP629204
16	M25	6.5	17.0	15.3	30.0	28.0	CAP629254
21	M25	6.5	20.5	20.3	36.0	36.0	CAP629264
21	M32	6.5	20.5	20.3	36.0	36.0	CAP629324
29	M32	6.5	23.3	26.8	47.0	45.0	CAP629334
29	M40	8.5	23.3	26.8	47.0	45.0	CAP629404
36	M40	8.5	30.6	34.7	60.0	58.0	CAP629414
36	M50	9.5	30.6	34.7	60.0	58.0	CAP629504
48	M63	17.0	38.3	45.5	74.0	70.0	CAP629634
3"	M90	17.0	65.0	70.0	120.0	120.0	CAP629904
4"	M110	17.0	79.0	96.0	150.0	140.0	CAP629994



JUDODIX Pg fittings



Materials

Nickel-plated brass, polyethylene terminal

Temperature range

-5 °C to +90 °C

-45 °C to +400 °C for the full metallic version

Certifications

Electrical thread Pg: UTE C 68312 and DIN 40430

Protection

IP66 according to EN 60529

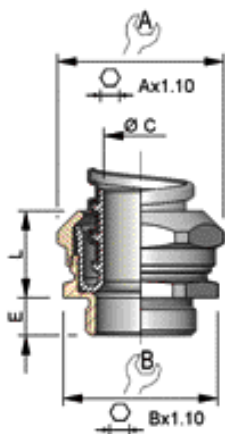
Applications

To be used with CAPRIPLAST and CAPRIFLEX conduits

JUDODIX is a range of conduit fittings for use with our CAPRIPLAST and CAPRIFLEX helically wound steel conduits. Securing on the inner and the outer of the conduit, JUDODIX fittings provide an IP66. Available in nickel plated brass or stainless steel, JUDODIX fittings offer ISO and Pg, male and female thread options which make these truly flexible products.

Ordering codes - Male JUDODIX Pg fitting

SIZE	MALE PG THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	Pg7	6.0	10.0	7.5	19.0	17.0	CAP330704
9	Pg9	6.0	12.5	9.2	22.0	20.0	CAP330904
11	Pg11	7.0	13.0	11.9	26.0	24.0	CAP331104
13	Pg13	7.0	13.0	13.6	28.0	26.0	CAP331304
16	Pg16	8.0	14.0	15.3	30.0	28.0	CAP331604
21	Pg21	8.0	16.5	20.3	36.0	34.0	CAP332104
29	Pg29	10.0	19.5	26.8	47.0	45.0	CAP332904
36	Pg36	11.0	26.5	34.7	60.0	56.0	CAP333604
48	Pg48	15.0	33.0	45.5	74.0	70.0	CAP334884
3"	3"	25.0	60.0	70.0	120.0	120.0	CAP335304
4"	4"	25.0	60.0	96.0	150.0	150.0	CAP335404



Ordering codes - Female JUDODIX Pg fitting

SIZE	FEMALE PG THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	Pg7	5.0	10.0	7.5	19.0	17.0	CAP620704
9	Pg9	5.0	12.5	9.2	22.0	20.0	CAP620904
11	Pg11	6.0	13.0	11.9	26.0	24.0	CAP621104
13	Pg13	6.0	13.0	13.6	28.0	26.0	CAP621304
16	Pg16	7.0	14.0	15.3	30.0	28.0	CAP621604
21	Pg21	6.5	16.5	20.3	36.0	34.0	CAP622104
29	Pg29	8.5	23.5	26.8	47.0	45.0	CAP622904
36	Pg36	9.0	26.5	34.7	60.0	56.0	CAP623604
48	Pg48	12.5	33.0	45.5	74.0	70.0	CAP624884

JUDODIX 316L ISO/Pg fittings

Conduit and fittings



JUDODIX 316L fittings



Materials

Stainless steel 316L, polyethylene terminal

Temperature range

-5 °C to +90 °C

-45 °C to +400 °C for the full metallic version

Certifications

ISO metric thread: EN 60423 and EN 50262

Electrical Pg thread: UTE C 68312 and DIN 40430

Protection

IP66 according to EN 60529

Applications

To be used with CAPRIPLAST and CAPRIFLEX conduits

IP66

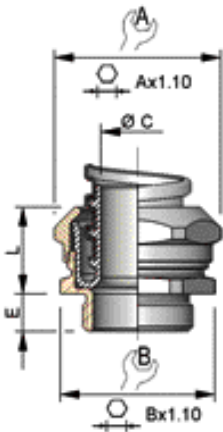


JUDODIX is a range of conduit fittings for use with our CAPRIPLAST and CAPRIFLEX helically wound steel conduits.

Securing on the inner and the outer of the conduit, JUDODIX fittings provide an IP66. Available in nickel plated brass or stainless steel, JUDODIX fittings offer ISO and Pg, male and female thread options which make these truly flexible products.

Ordering codes - Male JUDODIX ISO fitting

SIZE	MALE ISO THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	M12	6.0	10.2	7.5	19.0	17.0	CAP339129
9	M16	6.0	12.5	9.2	22.0	20.0	CAP339169
11	M20	7.0	13.0	11.9	26.0	24.0	CAP339229
13	M20	7.0	13.2	13.6	28.0	26.0	CAP339209
16	M25	8.0	14.0	15.3	30.0	28.0	CAP339259
21	M25	8.0	16.5	20.3	36.0	34.0	CAP339269
21	M32	8.0	16.5	20.3	36.0	36.0	CAP339329
29	M32	8.0	19.5	26.8	47.0	45.0	CAP339339
29	M40	10.0	19.5	26.8	47.0	45.0	CAP339409
36	M40	10.5	26.0	34.7	60.0	56.0	CAP339419
36	M50	11.0	26.0	34.7	60.0	58.0	CAP339509
48	M63	11.0	32.5	45.5	74.0	70.0	CAP339639



Ordering codes - Male JUDODIX Pg fitting

SIZE	MALE PG THREAD	E	L	C	FLAT A	FLAT B	CATALOG NUMBER
7	Pg7	6.0	10.0	7.5	19.0	17.0	CAP330709
9	Pg9	6.0	12.5	9.2	22.0	20.0	CAP330909
11	Pg11	7.0	13.0	11.9	26.0	24.0	CAP331109
13	Pg13	7.0	13.0	13.6	28.0	26.0	CAP331309
16	Pg16	8.0	14.0	15.3	30.0	28.0	CAP331609
21	Pg21	8.0	16.5	20.3	36.0	34.0	CAP332109
29	Pg29	10.0	19.5	26.8	47.0	45.0	CAP332909
36	Pg36	11.0	26.5	34.7	60.0	56.0	CAP333609
48	Pg48	15.0	33.0	45.5	74.0	70.0	CAP334889



CAPRIGAINÉ fittings



Materials

Nickel-plated brass

Temperature range

-45 °C to +400 °C

Applications

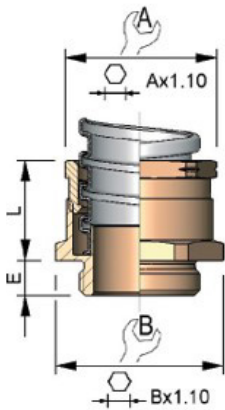
To be used in conjunction with CAPRIFLEX conduits only

Certifications

Electrical thread Pg: DIN 40430 and UTE C 68-312

Protection

IP40 according to EN 60529



Ordering codes - CAPRIGAINÉ Pg fitting

SIZE	PGTHREAD	E	L	FLAT A	FLAT B	CATALOG NUMBER
7	Pg7	4.0	12.5	16.0	17.0	CAP630704
9	Pg9	5.0	13.0	19.0	20.0	CAP630904
11	Pg11	6.0	14.0	22.0	24.0	CAP631104
13	Pg13	6.0	14.0	24.0	26.0	CAP631304
16	Pg16	6.0	14.0	28.0	28.0	CAP631604
21	Pg21	7.0	16.5	34.0	36.0	CAP632104
29	Pg29	8.0	19.0	42.0	45.0	CAP632904
36	Pg36	8.0	20.0	54.0	56.0	CAP633604

Complementary accessories

Caprilok conduits and fittings



Click on the product picture to access the datasheet

- **Conduit clip**



To support and secure the conduit along its routing.

- **Coupler fitting**



Fast fit coupler for joining two conduits together.

- **Conduit end cap**



Provides a neat finish of the conduit when no fittings are used.

- **T-pieces fitting**



Allows the quick connection of three conduits of the same size, includes an inspection lid.

- **Y-reducing divider**



Allows the quick connection of one conduit with two smaller ones.

- **Plugs and reducers**



To reduce the size for smaller conduits or to blank off any outlets.

- **Rubber end cap**



To seal the end of a conduit, can be cut to the size of the cable.

- **Embase straight fitting**



Allows the fixing of big conduits to the flat surface of enclosures.

- **Embase elbow 90° fitting**



Allows the 90° fixing of big conduits to the flat surface of enclosures.

- **Plastic locknuts**



Polyamide 6.6 - black
ISO & Pg threads

- **Metallic locknuts**



Nickel-plated brass
Stainless steel 316L
ISO & Pg threads

- **IP washers**



Fibre
Neoprene

Complementary accessories

Metallic conduits



- **Isolated terminal**



Provides a neat finish of the conduit when no fittings are used, preventing sharp edges.

- **Metallic terminal**



As a replacement of the isolated terminal to provide a stronger fixing of conduits in Judodix fittings.

- **Earthing terminal**



As a replacement of the isolated terminal in Judodix fittings, to provide an electrical continuity for the installation.

- **Coupler ISO metallic**



To allow the coupling of two metallic fittings.

- **Elbow ISO metallic**



Allows the 90° fixing of conduits to the flat surface of enclosures.

- **Elbow Pg metallic**



Allows the 90° fixing of big conduits to the flat surface of enclosures.

- **CAPRIFLEX GS conduit**



A galvanised steel braid to achieve an EMC protection and reduce risks of abrasion.

- **CAPRIFLEX GS fittings**



Nickel-plated brass
IP40

- **CAPRIPLAST GS conduit**



A tight conduit with a galvanised steel braid to achieve an EMC protection and reduce risks of abrasion.

- **CAPRIPLAST GS fittings**



Nickel-plated brass
IP54 / IP65



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