IG Series catalogue

Versatile industrial cable glands for any industrial environment

IG Series catalogue

Powering Business Worldwide

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 and equipments 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 and industrial equipments 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 the overall Eaton solution

Standards and compliances

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

Contents

IG Series Cable glands

Product Overview

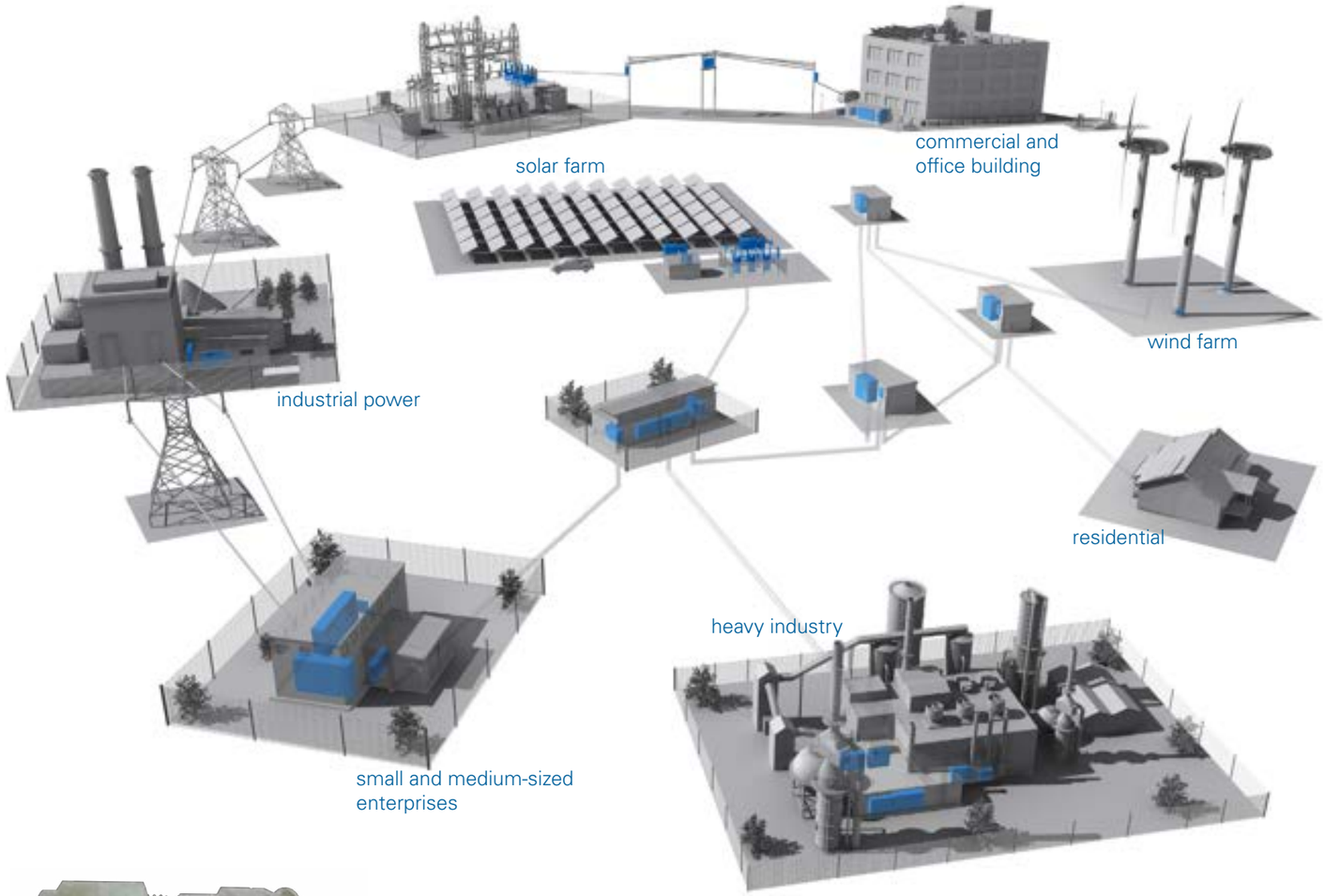
Any industrial part of any environment

Can be used in conjunction with our certified products in the safe areas of a major project to complete an overall gland solution.

IGA2

A robust metallic range suitable for indoor and outdoor industrial applications, adapted to most harsh environmental conditions.

- Designed to B.S. 6121 and EN 62444 standards
- Single silicone seal for non armoured cables
- IP66 - IP67
- Temperature range: -60°C to +125°C
- Kitted with locknut, nylon IP washer, earth tag and shroud
- Cable types: non-armoured, braided, shielded



IGBW

A robust metallic range for industrial applications which require armour clamping, grounding, and earthing but no weatherproof feature of an inner or outer seal.

- Designed to B.S. 6121 and EN 62444 standards
- IP20 and IP54 with a shroud
- Temperature range: -60°C to +200°C
- Kitted with locknut, nylon IP washer, earth tag and shroud
- Suitable for all types of steel wire armoured (SWA) cables

IGCW / CX

A robust metallic range for industrial applications, adapted to most climatic harsh conditions as well as offering a perfect tensile strength.

- Designed to B.S. 6121 and EN 62444 standards
- IP66 - IP67 provided by a single silicone ring on the outer sheath of the cable
- Temperature range: -60°C to +125°C
- Kitted with locknut, nylon IP washer, earth tag and shroud
- Specially designed clamping ring to suit all types of steel wire armoured (SWA), steel wire braided (SWB) and steel tape armoured (STA) cables

IGE1W / E1X

A robust metallic range for industrial applications which require armour clamping, grounding, and earthing. Adapted to most climatic harsh conditions as well as offering a perfect tensile strength.

- Designed to B.S. 6121 and EN 62444 standards
- IP66 and IP67 provided by two silicone rings on the inner and outer sheath of the cable
- Temperature range: -60°C to +125°C
- Kitted with locknut, nylon IP washer, earth tag and shroud
- Specially designed clamping ring to suit all types of steel wire armoured (SWA), steel wire braided (SWB) and steel tape armoured (STA) cables

How to choose the right IG Series Cable Glands?

Technical guide

- **Resistance and sealing**

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

1) Initial position

2) Cable gland tightening

3) Sealing ring movement

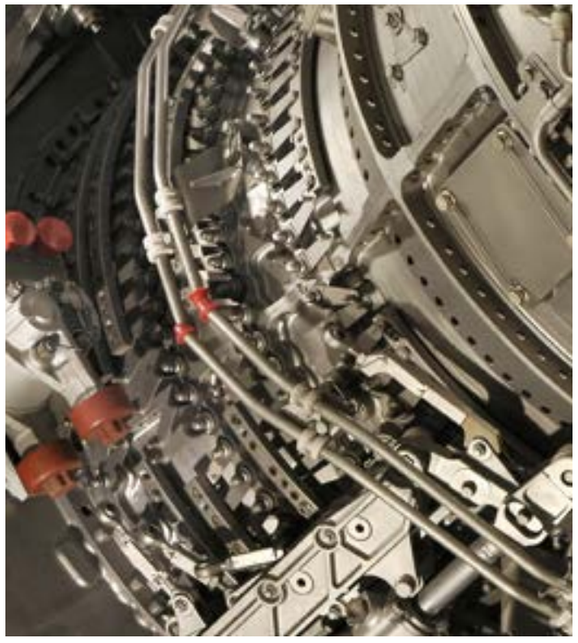
4) Final position

- **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 for high voltage.

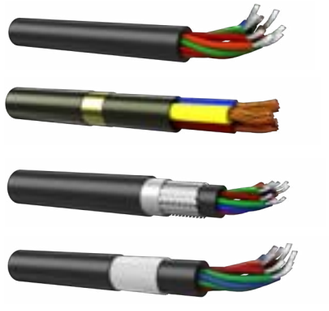
Most used: RVFV, RGPFV & EGFA



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 mecanically resistant. A reinforced cable will mainly be used 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 IG Series Cable Glands?

Technical guide

- **IG Series Cable Glands types by Eaton Capri**

		Cable type	Thread		Temperature	Protection				Main arguments
			ISO	NPT		IP20	IP54	IP66	IP67	
IGA2		Unarmoured	●	●	-60°C +125°C			●	●	Single silicone seal for all types of non-armoured cables.
IGBW		SWA	●		-60°C +200°C	●	●			Armour clamping, grounding, and earthing but no weatherproof feature of an inner or outer seal of SWA cable.
IGCW / CX		SWA SWB STA	●	●	-60°C +125°C			●	●	Armour clamping, grounding, and earthing with a silicone sealing ring to offer IP66/IP67 tightness on the outer sheath of the cable.
IGE1W / E1X		SWA SWB STA	●	●	-60°C +125°C			●	●	Armour clamping, grounding, and earthing with two silicone sealing rings to offer IP66/IP67 tightness on the inner and outer sheath of the cable.

- **Main features**

IP20 **Ingress Protection 20**
Indicates that the product is protected from solid objects down to 12 mm.

IP54 **Ingress Protection 54**
Indicates that the product is protected from dust & limited ingress, and against splashing water 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.

IP67 **Ingress Protection 67**
Indicates that the product is fully protected from dusts and effects of 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.

UKCA **UKCA (UK Conformity Assessed)**
Official logo that indicates that goods can be placed on the market in Great Britain (England, Wales and Scotland).

IP	tests	
0		Non-protected.
1		Protected against solid objects down to 50 mm.
2		Protected against solid objects down to 12 mm.
3	2.5 mm	Protected against solid objects down to 2,5 mm.
4	1.0 mm	Protected against solid objects down to 1 mm.
5		Protected against dust, limited ingress (no harmfull deposits)
6		Totally protected against dust

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.

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

IK	tests	
0		Non-protected.
1	56 mm, 0,25 kg	Protected against **0.14** joule impact
2	80 mm, 0,25 kg	Protected against **0.2** joule impact
3	140 mm, 0,25 kg	Protected against **0.35** joule impact
4	200 mm, 0,25 kg	Protected against **0.5** joule impact
5	280 mm, 0,25 kg	Protected against **0.7** joule impact
6	400 mm, 0,25 kg	Protected against **1** joule impact
7	400 mm, 0,5 kg	Protected against **2** joules impact
8	300 mm, 1,7 kg	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.

Additional technical information

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 any 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 lightening strikes
		operations of control devices
		shortcut current interruption by protective devices
	electrostatic discharges	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

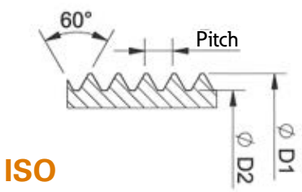
In order to best guard against interference, **it is recommended to use a shielded cable**, sometimes called braided armoured cables, this is an extension of the conductive envelope made around a sensitive equipment. It is therefore connected to it as short as possible and if possible, over its entire 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 armour 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 & NPT Threads

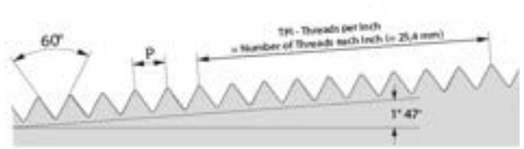
- **Hole configurations**

ISO	Pitch	External Ø	Internal Ø	Boring Ø
		D1	D2	
6	1	6	5.0	6.2
8	1.25	8	6.75	8.2
10	1 or 1.5	10	8.5 or 9.0	10.2
12	1.5	12	10.5	12.2
16	1.5	16	14.5	16.2
20	1.5	20	18.5	20.2
25	1.5	25	23.5	25.2
32	1.5	32	30.5	32.3
40	1.5	40	38.5	40.3
50	1.5	50	48.5	50.4
63	1.5	63	61.5	63.4
75	1.5	75	73.5	75.5
80	2.0	80	78.0	80.5
90	2.0	90	88.0	90.5
100	2.0	100	98.0	100.5
110	2.0	110	107.1	110.5



ISO

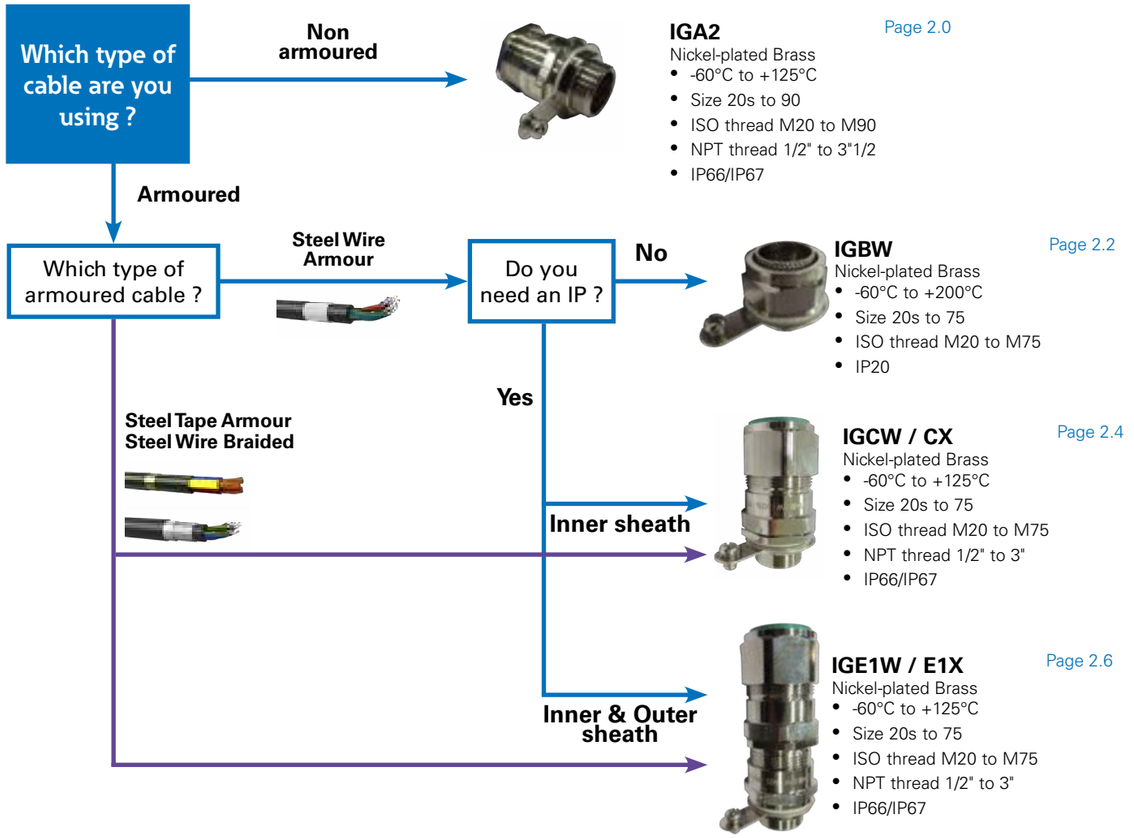
NPT	External Ø	Thread per inch	Thread pitch
1/2"	21.223	14.0	1.814
3/4"	26.568	14.0	1.814
1"	33.227	11.5	2.209
1 1/4"	41.984	11.5	2.209
1 1/2"	48.053	11.5	2.209
2"	60.091	11.5	2.209
2 1/2"	72.699	8.0	3.175
3"	88.608	8.0	3.175
3 1/2"	100.013	8.0	3.175



NPT

Selection flow chart for IG Series Cable Glands

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



IGA2 Page 2.0
Nickel-plated Brass
- -60°C to +125°C
- Size 20s to 90
- ISO thread M20 to M90
- NPT thread 1/2" to 3"1/2
- IP66/IP67

IGBW Page 2.2
Nickel-plated Brass
- -60°C to +200°C
- Size 20s to 75
- ISO thread M20 to M75
- IP20

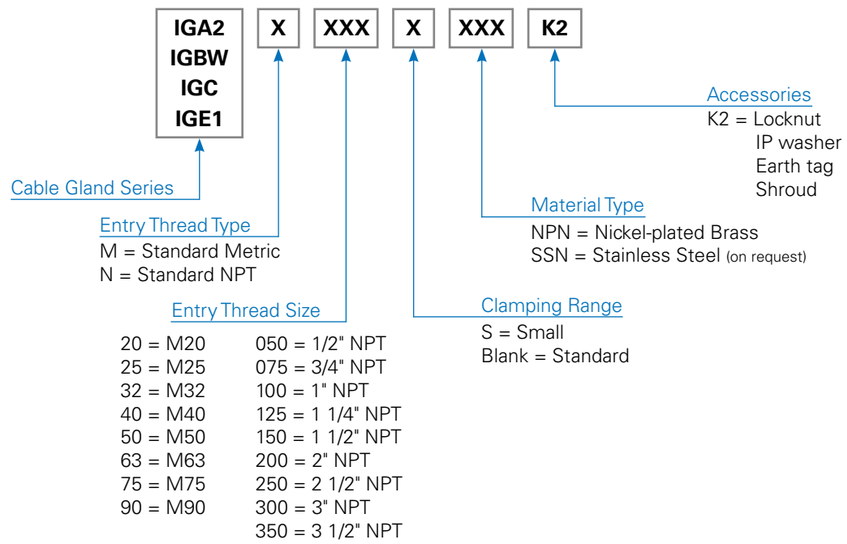
IGCW / CX Page 2.4
Nickel-plated Brass
- -60°C to +125°C
- Size 20s to 75
- ISO thread M20 to M75
- NPT thread 1/2" to 3"
- IP66/IP67

IGE1W / E1X Page 2.6
Nickel-plated Brass
- -60°C to +125°C
- Size 20s to 75
- ISO thread M20 to M75
- NPT thread 1/2" to 3"
- IP66/IP67

Also available in stainless steel, on request

Product coding

Use the below product coding system to order the IG Series cable gland you need.



IGA2 Series

Designed to the B.S. 6121 and EN 62444 standards and featuring a single seal for all types of non-armoured plastic or rubber sheathed cables, the IGA2 Series is a robust metallic range of cable glands suitable for indoor and outdoor industrial applications, adapted to most harsh environmental conditions.

Fitted with a silicone seal, the IGA2 Series cable gland provides:

- a continuous operating temperature range from -60°C to +125°C,
- a single pull resistant seal on the outer sheath of non-armoured cables,
- a design that reduces the risk of cold flow,
- an IP66/IP67 tightness.

Available in nickel-plated brass or stainless steel 316L (on request), already assembled, it is quick to install and fully kitted with relevant accessories: locknut, nylon IP seal, earth tag and shroud.

Technical specifications

IP66 IP67 CE UKCA

Certifications and compliances

- B.S. 6121 Part 1
- EN 62444

Operating temperatures

-60°C to +125°C

Material options

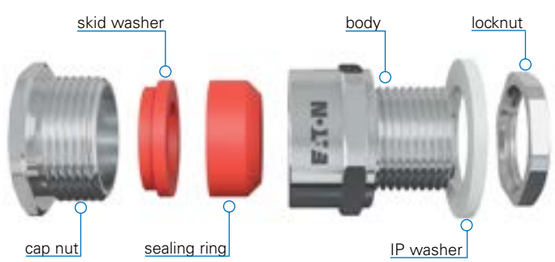
Nickel plated-brass, stainless steel 316L (on request)

Thread options

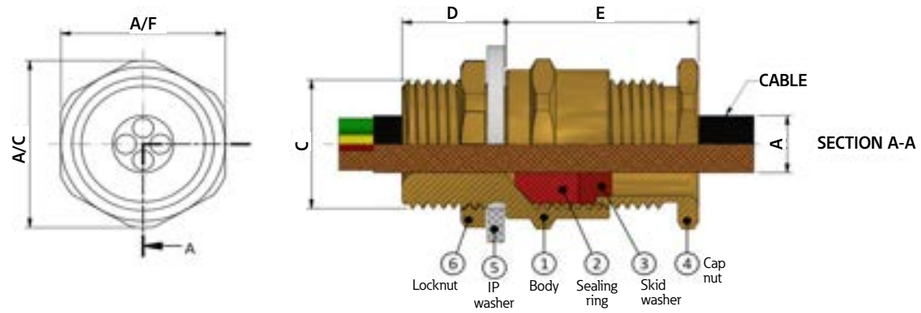
ISO metric and NPT

Accessories included

- Silicone seal
- Supplied with locknut, nylon IP washer, earth tag, and shroud



IGA2
IG Series Cable Glands



Ordering information

ISO

Size	Thread Size (C)	Cable Ø (A) min.	Cable Ø (A) max.	Tightening Torque (Nm)	Dimensions D	Dimensions D+E	Dimensions A/F	Dimensions A/C	Catalog Number Nickel-plated Brass	Catalog Number Stainless Steel
20s	M20	6.2	11.7	25.0	15.0	42.3	24.0	26.2	IGA2M20SNPNK2	IGA2M20SSSNK2
20	M20	6.5	13.9	25.0	15.0	42.8	27.0	29.5	IGA2M20NPNK2	IGA2M20SSNK2
25	M25	11.3	19.9	30.0	15.0	50.8	36.0	39.2	IGA2M25NPNK2	IGA2M25SSNK2
32	M32	17.0	26.2	35.0	15.0	52.9	41.0	45.0	IGA2M32NPNK2	IGA2M32SSNK2
40	M40	23.6	32.1	45.0	15.0	52.4	50.0	55.0	IGA2M40NPNK2	IGA2M40SSNK2
50s	M50	31.5	38.2	60.0	15.0	51.0	55.0	60.0	IGA2M50SNPNK2	IGA2M50SSSNK2
50	M50	35.8	44.0	65.0	15.0	53.2	60.0	65.0	IGA2M50NPNK2	IGA2M50SSNK2
63s	M63	41.7	50.0	65.0	15.0	57.5	70.0	75.0	IGA2M63SNPNK2	IGA2M63SSSNK2
63	M63	47.5	56.0	75.0	15.0	57.5	75.0	80.0	IGA2M63NPNK2	IGA2M63SSNK2
75s	M75	55.0	62.0	80.0	15.0	63.0	85.0	90.0	IGA2M75SNPNK2	IGA2M75SSSNK2
75	M75	62.0	68.0	80.0	15.0	63.0	90.0	95.0	IGA2M75NPNK2	IGA2M75SSNK2
90	M90	67.0	79.0	110.0	18.0	77.5	106.0	118.5	IGA2M90NPNK2	IGA2M90SSNK2

All dimensions in mm.

NPT

Size	Thread Size (C)	Cable Ø (A) min.	Cable Ø (A) max.	Tightening Torque (Nm)	Dimensions D	Dimensions D+E	Dimensions A/F	Dimensions A/C	Catalog Number Nickel-plated Brass	Catalog Number Stainless Steel
20s	1/2"	6.2	11.7	25.0	16.0	43.3	24.0	26.2	IGA2N050SNPNK2	IGA2N050SSSNK2
20	1/2"	6.5	13.9	25.0	16.0	43.8	27.0	29.5	IGA2N050NPNK2	IGA2N050SSNK2
25	3/4"	11.3	19.9	30.0	16.0	51.8	36.0	39.2	IGA2N075NPNK2	IGA2N075SSNK2
32	1"	17.0	26.2	35.0	19.0	56.9	41.0	45.0	IGA2N100NPNK2	IGA2N100SSNK2
40	1 1/4"	23.6	32.1	45.0	19.0	56.4	50.0	55.0	IGA2N125NPNK2	IGA2N125SSNK2
50s	1 1/2"	31.5	38.2	60.0	21.0	57.0	55.0	60.0	IGA2N150NPNK2	IGA2N150SSNK2
50	2"	35.8	44.0	65.0	21.0	59.2	60.0	65.0	IGA2N200SNPNK2	IGA2N200SSSNK2
63s	2"	41.7	50.0	65.0	21.0	63.5	70.0	75.0	IGA2N200NPNK2	IGA2N200SSNK2
63	2 1/2"	47.5	56.0	75.0	30.0	72.5	75.0	80.0	IGA2N250SNPNK2	IGA2N250SSSNK2
75s	2 1/2"	55.0	62.0	80.0	30.0	78.0	85.0	90.0	IGA2N250NPNK2	IGA2N250SSNK2
75	3"	62.0	68.0	80.0	32.0	80.0	90.0	95.0	IGA2N300NPNK2	IGA2N300SSNK2
90	3 1/2"	67.0	79.0	110.0	34.0	93.5	106.0	118.5	IGA2N350NPNK2	IGA2N350SSNK2

All dimensions in mm.

IGBW Series

Designed to the B.S. 6121 and EN 62444 standards, the IGBW Series is a robust metallic gland range for industrial applications which require armour clamping, grounding, and earthing but no weatherproof feature of an inner or outer seal.

Suitable for all types of plastic or rubber sheathed steel wire armoured cables (SWA), the IGBW Series fully meet the current needs for cable entries management in indoor environments.

With no sealing ring, the IGBW Series cable gland provides:

- a continuous operating temperature range from -60°C to +200°C,
- an integral clamp and electrical bond for SWA cables,
- an IP20 level and IP54 with a shroud.

Available in nickel plated brass or stainless steel 304 (on request), already assembled, it is quick to install and fully kitted with relevant accessories: locknut, nylon IP seal, earth tag and shroud.

Technical specifications

IP20 IP54 CE UKCA

Certifications and compliances

- B.S. 6121 Part 1
- EN 62444

Operating temperatures

-60°C to +200°C

Material options

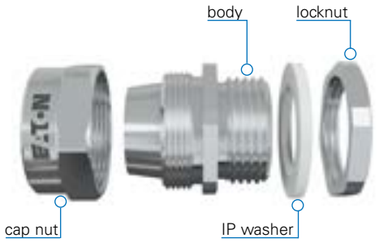
Nickel plated brass, stainless steel 304 (on request)

Thread options

ISO metric

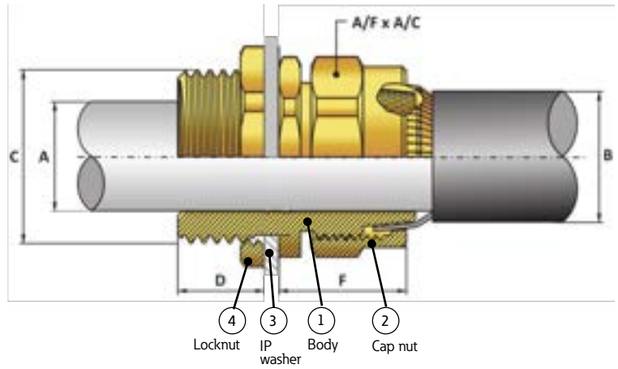
Accessories included

- Supplied with locknut, nylon IP washer, earth tag, and shroud



IGBW
IG Series Cable Glands

Dimensions



Ordering information

ISO

Size	Thread Size (C)	Cable Sheath max. Ø Inner (A)	Cable Sheath max. Ø Outer (B)	Tightening Torque (Nm)	Dimensions D	Dimensions D+E	Dimensions A/F	Dimensions A/C	Catalog Number Nickel-plated Brass	Catalog Number Stainless Steel
20s	M20	12.5	16.0	25.0	10.0	27.8	22.0	24.0	IGBWM20SNPNK2	IGBWM20SSSNK2
20	M20	15.0	20.0	25.0	10.0	28.7	24.0	26.2	IGBWM20NPNK2	IGBWM20SSNK2
25	M25	20.5	27.5	30.0	10.0	33.5	32.0	35.0	IGBWM25NPNK2	IGBWM25SSNK2
32	M32	27.3	34.5	35.0	10.0	33.7	38.0	42.0	IGBWM32NPNK2	IGBWM32SSNK2
40	M40	33.3	41.5	45.0	15.0	42.5	47.5	51.0	IGBWM40NPNK2	IGBWM40SSNK2
50	M50	44.5	52.0	65.0	15.0	47.7	60.5	65.5	IGBWM50NPNK2	IGBWM50SSNK2
63	M63	56.8	65.5	75.0	15.0	46.7	75.0	80.0	IGBWM63NPNK2	IGBWM63SSNK2
75	M75	68.2	79.5	80.0	15.0	50.0	90.0	95.0	IGBWM75NPNK2	IGBWM75SSNK2

All dimensions in mm.

IGCW/CX Series

Designed to the B.S. 6121 and EN 62444 standards, the IGCW/CX Series is a robust metallic range of cable glands for industrial applications which require armour clamping, grounding, and earthing.

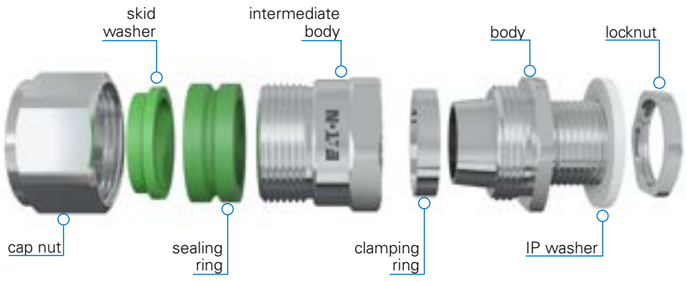
Featuring a silicone sealing ring, it offers an IP66/IP67 tightness on the outer sheath of the cable, adapted to most harsh environmental conditions as well as an excellent tensile strength.

This specific version provides a smart clamping method allowing the use of Steel Wire Armoured (SWA) as well as Steel Wire Braided (SWB) and Steel Tape Armoured (STA) cables, just by reversing the clamping ring.

Fitted with a silicone seal, the IGCW/CX Series cable gland provides:

- a continuous operating temperature range from -60°C to +125°C,
- a single pull resistant seal on the outer sheath,
- a design that reduces the risk of cold flow,
- an IP66/IP67 tightness.

Available in nickel-plated brass or stainless steel 316L (on request), already assembled, it is quick to install and fully kitted with relevant accessories: locknut, nylon IP seal, earth tag and shroud.



Technical specifications

IP66 IP67 CE UKCA

Certifications and compliances

- B.S. 6121 Part 1
- EN62444

Operating temperatures

-60°C to +125°C

Material options

Nickel-plated brass, stainless steel 316L (on request)

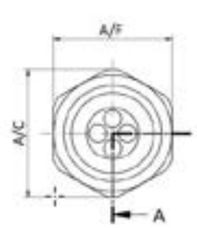
Thread options

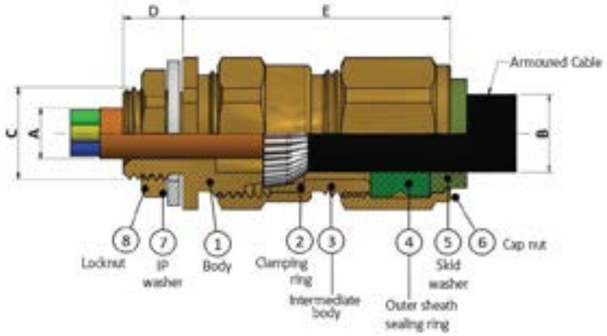
ISO metric and NPT

Accessories included

- Silicone seal
- Supplied with locknut, nylon IP washer, earth tag, and shroud

IGCW/CX
IG Series Cable Glands





Dimensions

Size	Cable Ø (B) min / max.	Inner sheath Ø max. (A)	Armour range CW min. / max.	Armour range CX	Torque Value (Nm)	Dimensions ISO D	ISO D+E	NPT D	NPT D+E	A/F	A/C
20s	9.5 - 15.9	11.7	0.9 - 1.25	0.3 - 1.0	25.0	15.0	61.0	16.0	62.0	24.0	26.2
20	12.5 - 20.9	13.9	0.9 - 1.25	0.4 - 1.0	25.0	15.0	63.8	16.0	64.8	30.0	33.0
25s	14.0 - 22.2	15.4	1.25 - 1.6	0.4 - 1.2	30.0	15.0	70.8	16.0	71.8	36.0	39.2
25	19.9 - 26.2	19.9	1.25 - 1.6	0.4 - 1.2	30.0	15.0	70.8	16.0	71.8	36.0	39.2
32	23.7 - 33.9	26.2	1.6 - 2.0	0.4 - 1.2	35.0	15.0	71.0	19.0	75.0	46.0	50.6
40	27.9 - 40.4	32.1	1.6 - 2.0	0.4 - 1.6	45.0	15.0	74.5	19.0	78.5	55.0	60.0
50s	35.2 - 46.7	38.2	2.0 - 2.5	0.4 - 1.6	60.0	15.0	73.3	21.0	79.3	60.0	65.0
50	40.4 - 53.0	44.0	2.0 - 2.5	0.6 - 1.6	65.0	15.0	77.3	21.0	83.3	70.0	75.0
63s	45.6 - 59.4	50.0	2.0 - 2.5	0.6 - 1.6	65.0	15.0	77.2	21.0	83.2	75.0	80.0
63	54.6 - 65.8	56.0	2.0 - 2.5	0.6 - 1.6	75.0	15.0	78.5	30.0	93.5	80.0	85.0
75s	59.0 - 72.0	62.0	2.0 - 2.5	0.6 - 1.6	80.0	15.0	84.0	30.0	99.0	90.0	95.0
75	66.7 - 78.4	68.0	2.5 - 3.0	0.6 - 1.6	80.0	15.0	88.8	32.0	105.8	100.0	110.0

All dimensions in mm.

Ordering Information

Size	Thread ISO (C)	Catalogue number ISO Nickel plated brass	Stainless steel
20s	M20	IGCM20SNPNK2	IGCM20SSSNK2
20	M20	IGCM20NPNK2	IGCM20SSNK2
25s	M25	IGCM25SNPNK2	IGCM25SSSNK2
25	M25	IGCM25NPNK2	IGCM25SSNK2
32	M32	IGCM32NPNK2	IGCM32SSNK2
40	M40	IGCM40NPNK2	IGCM40SSNK2
50s	M50	IGCM50SNPNK2	IGCM50SSSNK2
50	M50	IGCM50NPNK2	IGCM50SSNK2
63s	M63	IGCM63SNPNK2	IGCM63SSSNK2
63	M63	IGCM63NPNK2	IGCM63SSNK2
75s	M75	IGCM75SNPNK2	IGCM75SSSNK2
75	M75	IGCM75NPNK2	IGCM75SSNK2

Size	Thread NPT (C)	Catalogue number NPT Nickel-plated Brass	Stainless steel
20s	1/2"	IGCN050SNPNK2	IGCN050SSSNK2
20	1/2"	IGCN050NPNK2	IGCN050SSNK2
25s	3/4"	IGCN075SNPNK2	IGCN075SSSNK2
25	3/4"	IGCN075NPNK2	IGCN075SSNK2
32	1"	IGCN100NPNK2	IGCN100SSNK2
40	1 1/4"	IGCN125NPNK2	IGCN125SSNK2
50s	1 1/2"	IGCN150NPNK2	IGCN150SSNK2
50	2"	IGCN200SNPNK2	IGCN200SSSNK2
63s	2"	IGCN200NPNK2	IGCN200SSNK2
63	2 1/2"	IGCN250SNPNK2	IGCN250SSSNK2
75s	2 1/2"	IGCN250NPNK2	IGCN250SSNK2
75	3"	IGCN300NPNK2	IGCN300SSNK2

IGE1W/E1X Series

Designed to the B.S. 6121 and EN 62444 standards, the IGE1W/E1X Series is a robust metallic range of cable glands for industrial applications which require armour clamping, grounding, and earthing.

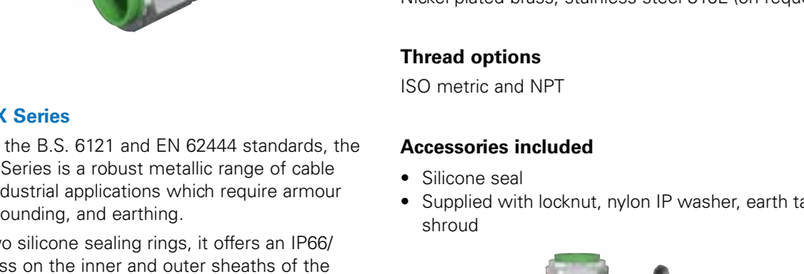
Featuring two silicone sealing rings, it offers an IP66/IP67 tightness on the inner and outer sheaths of the cable, adapted to most harsh environmental conditions as well as a perfect tensile strength.

This specific version provides a smart clamping method allowing the use of Steel Wire Armoured (SWA) as well as Steel Wire Braided (SWB) and Steel Tape Armoured (STA) cables, just by reversing the clamping ring.

Fitted with two silicone seals, the IGE1/E1X Series cable gland provides:

- a continuous operating temperature range from -60°C to +125°C,
- a double pull resistant seal on the inner and outer sheaths,
- a design that reduces the risk of cold flow,
- an IP66/IP67 tightness.

Available in nickel-plated brass or stainless steel 316L (on request), already assembled, it is quick to install and fully kitted with relevant accessories: locknut, nylon IP seal, earth tag and shroud.



Technical specifications

IP66 IP67 CE UKCA

Certifications and compliances

- B.S. 6121 Part 1
- EN62444

Operating temperatures

-60°C to +125°C

Material options

Nickel-plated brass, stainless steel 316L (on request)

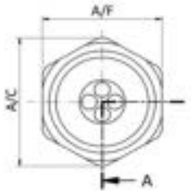
Thread options

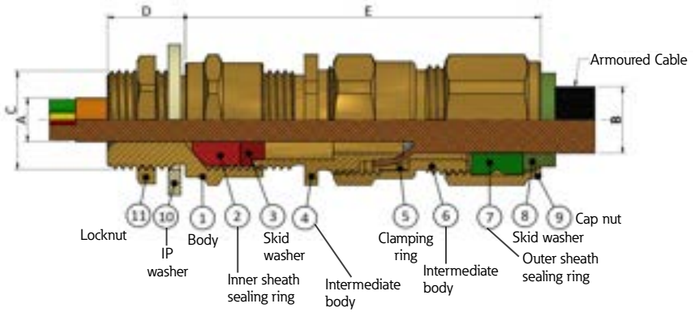
ISO metric and NPT

Accessories included

- Silicone seal
- Supplied with locknut, nylon IP washer, earth tag, and shroud

IGE1W/E1X
IG Series Cable Glands





Dimensions

Size	Cable Ø min. / max. inner sheath (A)	outer sheath (B)	Armour range E1W min. / max.	E1X	Torque Value (Nm)	Dimensions ISO D	ISO D+E	NPT D	NPT D+E	A/F	A/C
20s	6.2 - 11.7	9.5 - 15.9	0.9 - 1.25	0.3 - 1.0	25.0	15.0	83.5	16.0	84.5	24.0	26.2
20	6.5 - 13.9	12.5 - 20.9	0.9 - 1.25	0.4 - 1.0	25.0	15.0	87.0	16.0	88.0	30.0	33.0
25	11.3 - 19.9	19.9 - 26.2	1.25 - 1.6	0.4 - 1.2	30.0	15.0	103.0	16.0	104.0	36.0	39.2
32	17.0 - 26.2	23.7 - 33.9	1.6 - 2.0	0.4 - 1.2	35.0	15.0	106.0	19.0	110.0	46.0	50.6
40	23.6 - 32.1	27.9 - 40.4	1.6 - 2.0	0.4 - 1.6	45.0	15.0	106.5	19.0	110.5	55.0	60.0
50s	31.5 - 38.2	35.2 - 46.7	2.0 - 2.5	0.4 - 1.6	60.0	15.0	107.0	21.0	113.0	60.0	65.0
50	35.8 - 44.0	40.4 - 53.0	2.0 - 2.5	0.6 - 1.6	65.0	15.0	112.0	21.0	118.0	70.0	75.0
63s	41.7 - 50.0	45.6 - 59.4	2.0 - 2.5	0.6 - 1.6	65.0	15.0	116.0	21.0	122.0	75.0	80.0
63	47.5 - 56.0	54.6 - 65.8	2.0 - 2.5	0.6 - 1.6	75.0	15.0	118.0	30.0	133.0	80.0	85.0
75s	55.0 - 62.0	59.0 - 72.0	2.0 - 2.5	0.6 - 1.6	80.0	15.0	130.0	30.0	145.0	90.0	95.0
75	62.0 - 68.0	66.7 - 78.4	2.5 - 3.0	0.6 - 1.6	80.0	15.0	132.0	32.0	149.0	100.0	110.0

All dimensions in mm.

Ordering Information

Size	Thread ISO (C)	Catalogue number ISO Nickel plated brass	Stainless steel
20s	M20	IGE1M20SNPNK2	IGE1M20SSSNK2
20	M20	IGE1M20NPNK2	IGE1M20SSNK2
25	M25	IGE1M25NPNK2	IGE1M25SSNK2
32	M32	IGE1M32NPNK2	IGE1M32SSNK2
40	M40	IGE1M40NPNK2	IGE1M40SSNK2
50s	M50	IGE1M50SNPNK2	IGE1M50SSSNK2
50	M50	IGE1M50NPNK2	IGE1M50SSNK2
63s	M63	IGE1M63SNPNK2	IGE1M63SSSNK2
63	M63	IGE1M63NPNK2	IGE1M63SSNK2
75s	M75	IGE1M75SNPNK2	IGE1M75SSSNK2
75	M75	IGE1M75NPNK2	IGE1M75SSNK2

Size	Thread NPT (C)	Catalogue number NPT Nickel-plated Brass	Stainless steel
20s	1/2"	IGE1N050SNPNK2	IGE1N050SSSNK2
20	1/2"	IGE1N050NPNK2	IGE1N050SSNK2
25	3/4"	IGE1N075NPNK2	IGE1N075SSNK2
32	1"	IGE1N100NPNK2	IGE1N100SSNK2
40	1 1/4"	IGE1N125NPNK2	IGE1N125SSNK2
50s	1 1/2"	IGE1N150NPNK2	IGE1N150SSNK2
50	2"	IGE1N200SNPNK2	IGE1N200SSSNK2
63s	2"	IGE1N200NPNK2	IGE1N200SSNK2
63	2 1/2"	IGE1N250SNPNK2	IGE1N250SSSNK2
75s	2 1/2"	IGE1N250NPNK2	IGE1N250SSNK2
75	3"	IGE1N300NPNK2	IGE1N300SSNK2

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

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.

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.

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 2021 has sales of $21.4 billion. We offer one of the largest and most comprehensive ranges of conduits, cable and wire management products on the market today.

Index

Powering Business Worldwide

Eaton is a power management company.
We help our worldwide customers to manage energy they need for their buildings, their planes, car and trucks, their machines and their enterprises.

Our innovative technologies accompanies our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably.

Eaton is dedicated to improving the quality of life and the environment through the use of power management technologies and services.

Eaton, with 2021 sales of $21.4 billion, has approximately 90,000 employees and sells products to customers in more than 175 countries.

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Powering Business Worldwide

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