

Cable Glands, Metal, for armored cables CG.AR.*

Marking

Cable Glands, Metal, for armored cables CG.AR.*
ATEX certificate: CESI 14 ATEX 033X ATEX marking:  II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
IECEx certificate: IECEx CES 14.0022X CCC certificate: 2021312313000346 UL approval: cULus E490324 tested to UL 514B E490962 tested to UL 2225 CSA 60079-7, CSA 60079-31

The *-marked letters of the type code are placeholders for versions of the device.

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Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator.

The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

Reference to Further Documentation

Observe directives, standards, and national laws applicable to the intended use and the operating location.

The corresponding datasheets, manuals, declarations of conformity, EU-type examination certificates, certificates, and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under www.pepperl-fuchs.com.

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at www.pepperl-fuchs.com/device-information.

Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

The cable glands of the CG.AR.* series are made of metal.

The device can be used indoors.

The device can be used outdoors.

The device can be used in Zone 1.

The device can be used in Zone 21.

The device can be used in Zone 2.

The device can be used in Zone 22.

The device can be used with intrinsically safe circuits.

Only use the device in fixed installations.

The cable glands can be used with armored cable.

The cable glands provide a combination of explosion protection and environmental protection on the outer and inner cable sheath.

Improper Use

Protection of personnel and the plant is not ensured if the device is not used according to its intended use.

Mounting and Installation

Observe the installation instructions according to IEC/EN 60079-14.

If you intend to install the device or enclosure in areas that may be exposed to aggressive substances, ensure that the stated surface materials are compatible with these substances. If required, contact Pepperl+Fuchs for further information.

Observe the instruction manuals for the associated components.

Refer to the corresponding technical data of the installed components for the actual type of protection or any possible restrictions.

Ensure that the degree of protection is maintained by the entire installation.

Ensure that the surface of the enclosure is smooth enough to achieve the required degree of protection.

Ensure that the enclosure entries are perpendicular, circular and free of burrs.

Requirements for Cable Glands

Only use cable glands that are suitably certified for the application.

Only use cable glands with a temperature range appropriate to the application.

Use seals that are suitable for the specified application.

Ensure that the degree of protection is not violated by the cable glands.

Install cables and cable glands in a way that they are not exposed to mechanical hazards.

The cables and connection lines must be free from mechanical stress. Use appropriate strain relief, which must be fitted outside of the enclosure.

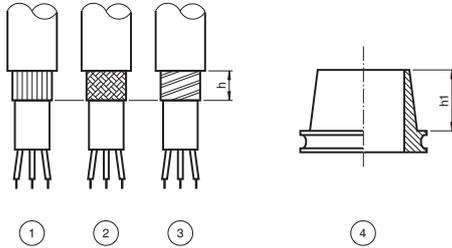
Ensure that all cable glands are in good condition and are securely tightened.

Tighten all cable glands with the appropriate torque.

Ensure that the armor is securely clamped.

Installation Sequence

Refer to below cable preparation drawing for details on dismantling and preparing steel wire armor (SWA), steel wire braided (SWB) and steel tape armor (STA) cables for installation.



Legend	
1	Steel wire armor
2	Braided armor
3	Steel tape armor
4	Armor cone
h	Length of armor unsheathing = h1 + 2 mm max.
h1	Height of armor cone, see (6) in dimensions drawing

Prepare the cables as described.

Disassemble the gland body (10) including parts (7) ... (11) from the gland body basis (3) and push it onto the outer sheath of the cable.

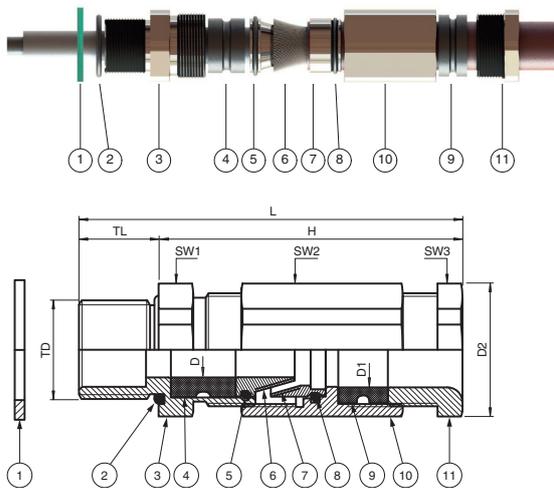
Install the gland body basis (3) including parts (4) ... (6) in the entry of the enclosure. Use washer gasket (1) and O-Ring (2) when appropriate.

Push the cable without armor through armor cone (6) and inner seal insert (4) into the enclosure. Push the dismantled armor onto the armor cone (6). Make sure it does not overlap the O-Ring (5).

Push the armor tightening ring (7) over the armor and tighten it by screwing the gland body (10) onto the gland body basis (3).

Ensure the outer cable sheath fits into the sealing insert (9). Clamp it by screwing the pressure nut (11) into the gland body (10).

Tighten all screw threads with the appropriate torque.



Legend	
1	Washer gasket (accessory)
2	O-ring
3	Gland body basis
4	Inner seal insert for cable without armor
5	O-ring
6	Armor cone
7	Armor tightening ring
8	O-ring
9	Outer seal insert for cable including armor
10	Gland body
11	Pressure nut
Dimensions	
D	Clamping range, cable diameter without armor at inner seal insert
D1	Clamping range, cable sheath diameter with armor at outer seal insert
D2	Width across corners
DT	Diameter thru-hole in enclosure
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length

Requirements in Relation to Flameproof Enclosure

Install the cables and connection lines through tapped holes.

Requirements in Relation to Tapered Threads

Ensure that the enclosure wall is thick enough to engage at least 5 full thread turns.

To ensure the degree of protection use a thread sealant. Apply the thread sealant to at least 2 full thread turns before installing the stuffing gland in the cable gland.

Ensure electrical conductivity.

Requirements in Relation to Metric Threads

Ensure that the enclosure wall is thick enough to engage at least 5 full thread turns.

Provide the tapped hole with an O-ring on the thread outside of the enclosure.

Requirements in Relation to Increased Safety

Requirements in Relation to Non-Threaded Enclosures

The minimum wall thickness of the enclosure has to be 1.5 mm. If the enclosure has no threads, use locknuts for tightening.

Use washer gaskets between the screw-in parts and the enclosure for sealing.

During mounting, it may be necessary to rotate the locknut or the cable gland. If it is necessary to rotate the cable gland, use an O-ring for sealing.

Adhere to the required hole diameters.

Requirements in Relation to Tapered Threads

The minimum wall thickness of the enclosure has to be 1.5 mm.

When mounting on the enclosure, at least 3 thread turns has to be mechanically connected to the enclosure. If this is not possible, use a locknut.

To ensure the degree of protection use a thread sealant. Apply the thread sealant to at least 2 full thread turns before installing the stuffing gland in the cable gland.

Ensure electrical conductivity.

Tighten the locknut inside and the washer gasket on the thread outside of the enclosure.

If necessary, mount an O-ring between the washer gasket and the screw head.

Requirements in Relation to Metric Threads

The minimum wall thickness of the enclosure has to be 1.5 mm.

When mounting on the enclosure, at least 3 thread turns has to be mechanically connected to the enclosure. If this is not possible, use a locknut.

Tighten the locknut inside and the washer gasket on the thread outside of the enclosure.

If necessary, mount an O-ring between the washer gasket and the screw head.

Operation, Maintenance, Repair

Do not use a damaged or polluted device.

Observe the installation instructions according to IEC/EN 60079-14.

Observe IEC/EN 60079-17 for maintenance and inspection.

Do not modify or manipulate the device.

Only use spare parts specified by the manufacturer.

Ensure that the device is de-energized before maintain or repair the device.

Dissimilar metals will corrode when placed against each other in an assembly.

When selecting the enclosure material, observe the possible effects of galvanic corrosion.

Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

The device, built-in components, packaging, and any batteries contained within must be disposed in compliance with the applicable laws and guidelines of the respective country.

Technical Data

General	
Types and variants	CG.AR* - see type code table
Mechanical specifications	
Dimensions and torques	see data table
Cable type	armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68, UL Type 4X
Mass	see data table
Material	
Cable gland	brass nickel-plated or stainless steel AISI 316 (1.4401)
Finish	inherent color silver
O-Ring	chloroprene / neoprene or silicone
Washer gasket	aramid fibers bonded with NBR
Seal insert	chloroprene / neoprene or silicone
Ambient conditions	
Ambient temperature	chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 100 °C (-76 ... 212 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Service temperature might be limited by the use of sealing plugs or washer gaskets.
International approvals	
Labeling on special ordering request	
Conformity	
Degree of protection	EN 60529
CE marking	0102

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Type Code / Model Number

1	2	3	4	5	6	7						
CG	.	AR	.	***	.	**	.	*	.	**	.	K**
CG	.	AR	.	M20	.	SS	.	C	.	16	.	K01

Example: CG.AR.M20.SS.C.16.K01

Cable gland metal, for armored cables, thread size M20, body stainless steel, chloroprene seals for -40 °C ... 80 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands

2	Type
AR	metal, for armored cables

3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table

4	Material
BN	brass nickel-plated
SS	stainless steel

5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone

6	Thread length for installation in enclosure
**	length in mm

7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Variant-Specific Data

Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.M16.BN.C.16.*	M16	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.M20.BN.C.16.*	M20	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	X
CG.AR.M20L.BN.C.16.*	M20	10 ... 15.5	13.5 ... 21	0.4	1.3	66.5	82.5	16	33	30	30	30	X
CG.AR.M25S.BN.C.16.*	M25	6 ... 11	8 ... 15	0.4	1.3	63.5	79	16	33	30	25	25	X
CG.AR.M25.BN.C.16.*	M25	10 ... 15.5	13.5 ... 21	0.4	1.3	66	82	16	33	30	30	30	X
CG.AR.M25L.BN.C.16.*	M25	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32.BN.C.16.*	M32	13.5 ... 21	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32L.BN.C.16.*	M32	18 ... 27	23 ... 33	0.4	1.6	85	101	16	47	43	43	43	X
CG.AR.M40.BN.C.16.*	M40	23 ... 33	29 ... 41	0.6	2	97	113	16	55.5	50	50	50	X
CG.AR.M50.BN.C.16.*	M50	29 ... 41	35 ... 48	0.6	2.5	105.5	121.5	16	64	58	58	58	X
CG.AR.M63.BN.C.20.*	M63	35 ... 48	42 ... 56	0.6	2.5	134	154	20	83	75	75	75	X

UL: X = UL approved

Values might differ slightly due to manufacturing tolerances

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M16.BN.C.16.K01	M16	134 g	174 g	16 ... 16.2	4	35	25	1
CG.AR.M16.BN.C.16.K15	M16	134 g	2.21 kg	16 ... 16.2	4	35	25	15
CG.AR.M20.BN.C.16.K01	M20	139 g	178 g	20 ... 20.2	6	35	25	1
CG.AR.M20.BN.C.16.K15	M20	139 g	2.29 kg	20 ... 20.2	6	35	25	15
CG.AR.M20L.BN.C.16.K01	M20	178 g	231 g	20 ... 20.2	6	45	35	1
CG.AR.M20L.BN.C.16.K15	M20	178 g	2.94 kg	20 ... 20.2	6	45	35	15
CG.AR.M25S.BN.C.16.K01	M25	225 g	293 g	25 ... 25.2	6	35	25	1
CG.AR.M25S.BN.C.16.K10	M25	225 g	2.48 kg	25 ... 25.2	6	35	25	10
CG.AR.M25.BN.C.16.K01	M25	233 g	303 g	25 ... 25.2	6	45	35	1
CG.AR.M25.BN.C.16.K10	M25	233 g	2.56 kg	25 ... 25.2	6	45	35	10
CG.AR.M25L.BN.C.16.K01	M25	243 g	443 g	25 ... 25.2	6	55	30	1
CG.AR.M25L.BN.C.16.K10	M25	243 g	2.67 kg	25 ... 25.2	6	55	30	10
CG.AR.M32.BN.C.16.K01	M32	400 g	472 g	32 ... 32.3	6	55	30	1
CG.AR.M32.BN.C.16.K10	M32	400 g	4.4 kg	32 ... 32.3	6	55	30	10
CG.AR.M32L.BN.C.16.K01	M32	370 g	481 g	32 ... 32.3	6	75	55	1
CG.AR.M32L.BN.C.16.K10	M32	370 g	4.07 kg	32 ... 32.3	6	75	55	10
CG.AR.M40.BN.C.16.K01	M40	644 g	837 g	40 ... 40.3	12	85	65	1
CG.AR.M40.BN.C.16.K05	M40	644 g	3.54 kg	40 ... 40.3	12	85	65	5
CG.AR.M50.BN.C.16.K01	M50	715 g	930 g	50 ... 50.3	18	95	75	1
CG.AR.M50.BN.C.16.K02	M50	715 g	1.57 kg	50 ... 50.3	18	95	75	2

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Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M63.BN.C.20.K01	M63	1.82 kg	2.36 kg	63 ... 63.3	25	105	85	1
CG.AR.M63.BN.C.20.K02	M63	1.82 kg	4 kg	63 ... 63.3	25	105	85	2

*Knn: scope of delivery see table technical data

Values might differ slightly due to manufacturing tolerances

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.M20.SS.C.16.*	M20	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.M16.SS.C.16.*	M16	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	X
CG.AR.M20L.SS.C.16.*	M20	10 ... 15.5	13.5 ... 21	0.4	1.3	66.5	82.5	16	33	30	30	30	X
CG.AR.M25.SS.C.16.*	M25	10 ... 15.5	13.5 ... 21	0.4	1.3	66	82	16	33	30	25	30	X
CG.AR.M25L.SS.C.16.*	M25	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	30	40	X
CG.AR.M25S.SS.C.16.*	M25	6 ... 11	8 ... 15	0.4	1.3	63.5	79	16	33	30	40	25	X
CG.AR.M32L.SS.C.16.*	M32	18 ... 27	23 ... 33	0.4	1.6	85	101	16	47	43	40	43	X
CG.AR.M32.SS.C.16.*	M32	13.5 ... 21	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	43	40	X
CG.AR.M40.SS.C.16.*	M40	23 ... 33	29 ... 41	0.6	2	97	113	16	55.5	50	50	50	X
CG.AR.M50.SS.C.16.*	M50	29 ... 41	35 ... 48	0.6	2.5	105.5	121.5	16	64	58	58	58	X
CG.AR.M63.SS.C.20.*	M63	35 ... 48	42 ... 56	0.6	2.5	134	154	20	83	75	75	75	X

UL: X = UL approved

Values might differ slightly due to manufacturing tolerances

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M16.SS.C.16.K01	M16	134 g	174 g	16 ... 16.2	4	35	25	1
CG.AR.M16.SS.C.16.K15	M16	134 g	2.21 kg	16 ... 16.2	4	35	25	15
CG.AR.M20.SS.C.16.K01	M20	121 g	178 g	20 ... 20.2	6	35	25	1
CG.AR.M20.SS.C.16.K15	M20	121 g	2 kg	20 ... 20.2	6	35	25	15
CG.AR.M20L.SS.C.16.K01	M20	170 g	221 g	20 ... 20.2	6	45	35	1
CG.AR.M20L.SS.C.16.K15	M20	170 g	2.81 kg	20 ... 20.2	6	45	35	15
CG.AR.M25S.SS.C.16.K01	M25	230 g	299 g	25 ... 25.2	6	35	25	1
CG.AR.M25S.SS.C.16.K10	M25	230 g	2.53 kg	25 ... 25.2	6	35	25	10
CG.AR.M25.SS.C.16.K01	M25	234 g	304 g	25 ... 25.2	6	45	35	1
CG.AR.M25.SS.C.16.K10	M25	234 g	2.57 kg	25 ... 25.2	6	45	35	10
CG.AR.M25L.SS.C.16.K01	M25	356 g	442 g	25 ... 25.2	6	55	30	1
CG.AR.M25L.SS.C.16.K10	M25	356 g	3.92 kg	25 ... 25.2	6	55	30	10
CG.AR.M32.SS.C.16.K01	M32	410 g	533 g	32 ... 32.3	6	55	30	1

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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 **PEPPERL+FUCHS**

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Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M32.SS.C.16.K10	M32	410 g	4.51 kg	32 ... 32.3	6	55	30	10
CG.AR.M32L.SS.C.16.K01	M32	400 g	520 g	32 ... 32.3	6	75	55	1
CG.AR.M32L.SS.C.16.K10	M32	400 g	4.4 kg	32 ... 32.3	6	75	55	10
CG.AR.M40.SS.C.16.K01	M40	640 g	832 g	40 ... 40.3	12	85	65	1
CG.AR.M40.SS.C.16.K10	M40	640 g	7.04 kg	40 ... 40.3	12	85	65	10
CG.AR.M50.SS.C.16.K01	M50	715 g	930 g	50 ... 50.3	18	95	75	1
CG.AR.M50.SS.C.16.K02	M50	715 g	1.57 kg	50 ... 50.3	18	95	75	2
CG.AR.M63.SS.C.20.K01	M63	1.96 kg	2.55 kg	63 ... 63.3	25	105	85	1
CG.AR.M63.SS.C.20.K02	M63	1.96 kg	4.32 kg	63 ... 63.3	25	105	85	2

*Knn: scope of delivery see table technical data

Values might differ slightly due to manufacturing tolerances

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.NPT3/8.BN.C.16.*	NPT 3/8"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.NPT1/2.BN.C.21.*	NPT 1/2"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	21	27	25	25	25	X
CG.AR.NPT1/2L.BN.C.21.*	NPT 1/2"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4S.BN.C.21.*	NPT 3/4"	6 ... 11	8 ... 15	0.4	1.3	63.5	84.5	21	33	30	25	25	X
CG.AR.NPT3/4.BN.C.21.*	NPT 3/4"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4L.BN.C.21.*	NPT 3/4"	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	103.5	21	44.5	40	40	40	X
CG.AR.NPT1.BN.C.26.*	NPT 1"	13.5 ... 21	18 ... 27	0.4	1.6	82.5	108.5	26	44.5	40	40	40	X
CG.AR.NPT1L.BN.C.26.*	NPT 1"	18 ... 27	23 ... 33	0.4	1.6	85	111	26	47	43	43	43	X
CG.AR.NPT1-1/4.BN.C.28.*	NPT 1-1/4"	23 ... 33	29 ... 41	0.6	2	97	125	28	55.5	50	50	50	X
CG.AR.NPT1-1/2.BN.C.28.*	NPT 1-1/2"	29 ... 41	35 ... 48	0.6	2.5	105.5	133.5	28	64	58	58	58	X
CG.AR.NPT2.BN.C.28.*	NPT 2"	35 ... 48	42 ... 56	0.6	2.5	134	162	28	83	75	75	75	X

UL: X = UL approved

Values might differ slightly due to manufacturing tolerances

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.NPT3/8.BN.C.16.K01	NPT 3/8"	143 g	172 g	17.2 ... 17.4	4	35	25	1
CG.AR.NPT3/8.BN.C.16.K15	NPT 3/8"	143 g	2.36 kg	17.2 ... 17.4	4	35	25	15
CG.AR.NPT1/2.BN.C.21.K01	NPT 1/2"	151 g	177 g	21.4 ... 21.6	6	35	25	1
CG.AR.NPT1/2.BN.C.21.K15	NPT 1/2"	149 g	2.46 kg	21.4 ... 21.6	6	35	25	15
CG.AR.NPT1/2L.BN.C.21.K01	NPT 1/2"	191 g	234 g	21.4 ... 21.6	6	45	35	1
CG.AR.NPT1/2L.BN.C.21.K15	NPT 1/2"	191 g	3.15 kg	21.4 ... 21.6	6	45	35	15
CG.AR.NPT3/4S.BN.C.21.K01	NPT 3/4"	193 g	227 g	26.7 ... 26.9	6	35	25	1
CG.AR.NPT3/4S.BN.C.21.K10	NPT 3/4"	193 g	2.12 kg	26.7 ... 26.9	6	35	25	10
CG.AR.NPT3/4.BN.C.21.K01	NPT 3/4"	195 g	234 g	26.7 ... 26.9	6	45	35	1
CG.AR.NPT3/4.BN.C.21.K10	NPT 3/4"	195 g	2.15 kg	26.7 ... 26.9	6	45	35	10
CG.AR.NPT3/4L.BN.C.21.K01	NPT 3/4"	367 g	442 g	26.7 ... 26.9	6	55	30	1
CG.AR.NPT3/4L.BN.C.21.K10	NPT 3/4"	367 g	4.04 kg	26.7 ... 26.9	6	55	30	10
CG.AR.NPT1.BN.C.26.K01	NPT 1"	355 g	426 g	33.5 ... 33.7	6	55	30	1
CG.AR.NPT1.BN.C.26.K10	NPT 1"	355 g	3.91 kg	33.5 ... 33.7	6	55	30	10
CG.AR.NPT1L.BN.C.26.K01	NPT 1"	358 g	459 g	33.5 ... 33.7	6	75	55	1
CG.AR.NPT1L.BN.C.26.K10	NPT 1"	358 g	3.94 kg	33.5 ... 33.7	6	75	55	10
CG.AR.NPT1-1/4.BN.C.28.K01	NPT 1-1/4"	474 g	690 g	42.2 ... 42.4	12	85	65	1
CG.AR.NPT1-1/4.BN.C.28.K05	NPT 1-1/4"	474 g	2.61 g	42.2 ... 42.4	12	85	65	5
CG.AR.NPT1-1/2.BN.C.28.K01	NPT 1-1/2"	605 g	841 g	48.3 ... 48.5	18	95	75	1
CG.AR.NPT1-1/2.BN.C.28.K02	NPT 1-1/2"	605 g	1.33 kg	48.3 ... 48.5	18	95	75	2
CG.AR.NPT2.BN.C.28.K01	NPT 2"	705 g	846 g	60.4 ... 60.7	25	105	85	1
CG.AR.NPT2.BN.C.28.K02	NPT 2"	705 g	1.55 g	60.4 ... 60.7	25	105	85	2

*Knn: scope of delivery see table technical data

Values might differ slightly due to manufacturing tolerances

Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.NPT3/8.SS.C.16.*	NPT 3/8"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.NPT1/2.SS.C.21.*	NPT 1/2"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	21	27	25	25	25	X
CG.AR.NPT1/2L.SS.C.21.*	NPT 1/2"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4S.SS.C.21.*	NPT 3/4"	6 ... 11	8 ... 15	0.4	1.3	63.5	84.5	21	33	30	25	25	X
CG.AR.NPT3/4.SS.C.21.*	NPT 3/4"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4L.SS.C.21.*	NPT 3/4"	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	103.5	21	44.5	40	40	40	X
CG.AR.NPT1.SS.C.26.*	NPT 1"	13.5 ... 21	18 ... 27	0.4	1.6	82.5	108.5	26	44.5	40	40	40	X

Brief Instructions

Cable Glands, Metal, for armored cables CG.AR.*

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Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
		TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	
CG.AR.NPT1L.SS.C.26.*	NPT 1"	18 ... 27	23 ... 33	0.4	1.6	85	111	26	47	43	43	43	X
CG.AR.NPT1-1/4.SS.C.28.*	NPT 1-1/4"	23 ... 33	29 ... 41	0.6	2	97	125	28	55.5	50	50	50	X
CG.AR.NPT1-1/2.SS.C.28.*	NPT 1-1/2"	29 ... 41	35 ... 48	0.6	2.5	105.5	133.5	28	64	58	58	58	X
CG.AR.NPT2.SS.C.28.*	NPT 2"	35 ... 48	42 ... 56	0.6	2.5	134	162	28	83	75	75	75	X

UL: X = UL approved

Values might differ slightly due to manufacturing tolerances

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
		Component	Packaging unit		DT	SW1	SW2	
CG.AR.NPT3/8.SS.C.16.K01	NPT 3/8"	144 g	173 g	17.2 ... 17.4	4	35	25	1
CG.AR.NPT3/8.SS.C.16.K15	NPT 3/8"	144 g	2.38 kg	17.2 ... 17.4	4	35	25	15
CG.AR.NPT1/2.SS.C.21.K01	NPT 1/2"	141 g	169 g	21.4 ... 21.6	6	35	25	1
CG.AR.NPT1/2.SS.C.21.K15	NPT 1/2"	141 g	2.33 kg	21.4 ... 21.6	6	35	25	15
CG.AR.NPT1/2L.SS.C.21.K01	NPT 1/2"	192 g	230 g	21.4 ... 21.6	6	45	35	1
CG.AR.NPT1/2L.SS.C.21.K15	NPT 1/2"	192 g	3.17 kg	21.4 ... 21.6	6	45	35	15
CG.AR.NPT3/4S.SS.C.21.K01	NPT 3/4"	235 g	282 g	26.7 ... 26.9	6	35	25	1
CG.AR.NPT3/4S.SS.C.21.K10	NPT 3/4"	235 g	2.59 kg	26.7 ... 26.9	6	35	25	10
CG.AR.NPT3/4.SS.C.21.K01	NPT 3/4"	231 g	277 g	26.7 ... 26.9	6	45	35	1
CG.AR.NPT3/4.SS.C.21.K10	NPT 3/4"	231 g	2.54 kg	26.7 ... 26.9	6	45	35	10
CG.AR.NPT3/4L.SS.C.21.K01	NPT 3/4"	225 g	270 g	26.7 ... 26.9	6	55	30	1
CG.AR.NPT3/4L.SS.C.21.K10	NPT 3/4"	225 g	2.48 kg	26.7 ... 26.9	6	55	30	10
CG.AR.NPT1.SS.C.26.K01	NPT 1"	464 g	557 g	33.5 ... 33.7	6	55	30	1
CG.AR.NPT1.SS.C.26.K10	NPT 1"	464 g	5.1 kg	33.5 ... 33.7	6	55	30	10
CG.AR.NPT1L.SS.C.26.K01	NPT 1"	433 g	520 g	33.5 ... 33.7	6	75	55	1
CG.AR.NPT1L.SS.C.26.K10	NPT 1"	433 g	4.76 kg	33.5 ... 33.7	6	75	55	10
CG.AR.NPT1-1/4.SS.C.28.K01	NPT 1-1/4"	633 g	760 g	42.2 ... 42.4	12	85	65	1
CG.AR.NPT1-1/4.SS.C.28.K05	NPT 1-1/4"	633 g	3.48 kg	42.2 ... 42.4	12	85	65	5
CG.AR.NPT1-1/2.SS.C.28.K01	NPT 1-1/2"	722 g	866 g	48.3 ... 48.5	18	95	75	1
CG.AR.NPT1-1/2.SS.C.28.K02	NPT 1-1/2"	722 g	1.59 kg	48.3 ... 48.5	18	95	75	2
CG.AR.NPT2.SS.C.28.K01	NPT 2"	1.96 kg	2.35 kg	60.4 ... 60.7	25	105	85	1
CG.AR.NPT2.SS.C.28.K02	NPT 2"	1.96 kg	4.32 kg	60.4 ... 60.7	25	105	85	2

*Knn: scope of delivery see table technical data

Values might differ slightly due to manufacturing tolerances