

## Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

### Marking

Barrier Cable Glands, Metal, for armored cables CG.BA.* for non-armored cables CG.BN.*
ATEX certificate: CESI 18 ATEX 037X ATEX marking:  II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIC Db
IECEX certificate: IECEX CES 18.0030X CCC certificate CG.BA*: 2021312313000454 CCC certificate CG.BN*: 2021312313000456

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

Pepperl+Fuchs Group Lilienthalstraße 200, 68307 Mannheim, Germany
Internet: <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a>

### 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](http://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](http://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.B\* 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.

Barrier glands incorporate a compound filled chamber sealing around the individual cores of a cable in order to maintain the flameproof integrity of the equipment.

#### CG.BA.\*:

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.

#### CG.BN.\*:

The cable glands can be used with non-armored elastomer and plastic insulated cables.

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

Observe the safety datasheet according to Commission Regulations (EU) No 453/2010 and No 2015/830.

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.

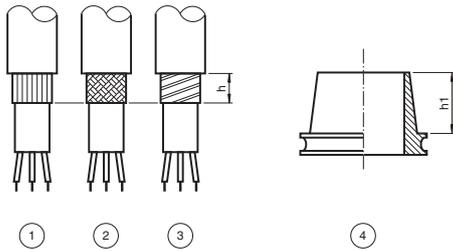
The cables and connection lines must be free from mechanical stress. Use appropriate strain relief, which must be fitted outside of the enclosure.

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

Tighten all cable glands with the appropriate torque.

#### 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 shield
3	Metal tape shield
4	Armor cone (CG.BA)
h	Length of armor unsheathing = $h1 + 2 \text{ mm max.}$
h1	Height of armor cone, see (4) in dimensions drawing

### Epoxy compound preparation:

Always wear the supplied gloves when handling this epoxy compound. The components are supplied in a two-part package. Mix these in the ratio of 1:1 until both colors have blended in one. Roll and fold the material during mixing in order to obtain an even blend. Install the mixed compound within 15 minutes. After this time it will begin to stiffen. Store the compound at ambient temperatures above 20 °C. Should the compound come in contact with the skin clean it off immediately with skin cleaner, it is not allowed to dry on the skin. Do not mix and install the compound at ambient temperatures below 4 °C due to extended curing periods.

### Installation of CG.BA.\*:

Prepare the cables as described.

Strip the insulation of the cable and cut the cores in length. Ensure that the bare armor is not longer than the grounding cone (4). Put the cable through pressure nut (8), seal insert (7), gland body (6) and swivel braid ring (5). Loosen the armor and push it onto the armor cone (4). Separate the cable cores and surround them with epoxy compound in the length of the barrier tube (3). Start at the beginning of the common insulation. Push all wrapped cable cores together and remold them in a diameter which will fill the barrier tube (3). Push the barrier tube (3) over the prepared cores and fit it on the armor cone (4).

Clean off all overflowing epoxy material. The barrier tube (3) has to be filled up with epoxy compound completely. Assemble gland body basis (1) and gland body (6) while distributing the armor evenly over the surface of the armor cone (4) so it will be clamped securely by the swivel braid ring (5). Assemble gland body (6) and pressure nut (8). Tighten all screw joints with the specified torques. Disassemble the cable gland and clean barrier tube (3), armor cone (4) and both gland bodies (6) + (1) from leaked epoxy compound.

**Note**  
Do not move the cable cores for a minimum of 4 hours.  
After a minimum of 4 hours assemble the cable gland as described below.

### Installation of CG.BN.\*:

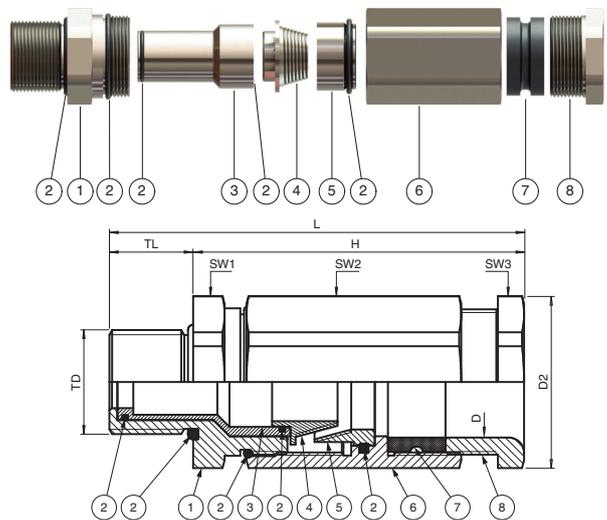
Prepare the cables as described.

Strip the insulation of the cable and cut the cores in length. Put the cable through pressure nut (8), seal insert (7) and gland body (6). Separate the cable cores and surround them with epoxy compound in the length of the barrier tube (3). Start at the beginning of the common insulation. Push all wrapped cable cores together and remold them in a diameter which will fill the barrier tube (3). Push the barrier tube (3) over the prepared cores and fit it on the pressure ring (9).

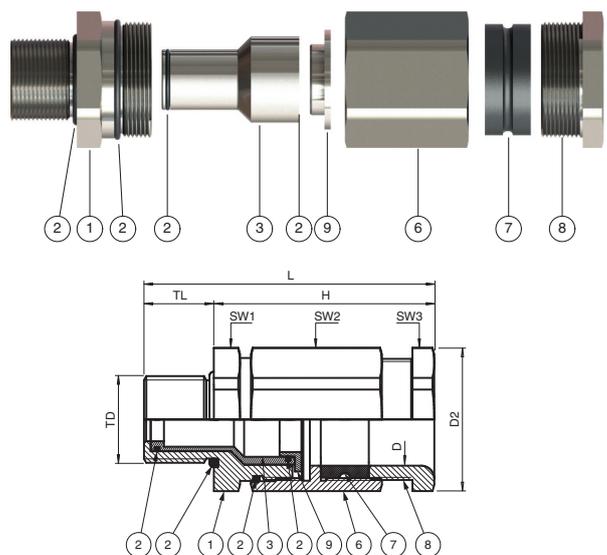
Clean off all overflowing epoxy material. The barrier tube (3) has to be filled up with epoxy compound completely. Assemble gland body basis (1), gland body (6) and pressure nut (8). Tighten all screw joints with the specified torques. Disassemble the cable gland and clean barrier tube (3) and both gland bodies (6) + (1) from leaked epoxy compound.

**Note**  
Do not move the cable cores for a minimum of 4 hours.  
After a minimum of 4 hours assemble the cable gland as described below.

### Dimensions and Assembly CG.BA.\*



### Dimensions and Assembly CG.BN.\*



Legend	
1	Gland body basis
2	O-ring
3	Barrier tube
4	Armor cone (CG.BA.*)
5	Swivel braid ring (CG.BA.*)
6	Gland body
7	Seal insert
8	Pressure nut
9	Barrier pressure ring bushing (CG.BN.*)
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length
	Barrier details in data table
CQ	Max. number of cores
DS	Core cross-section, single-core cable
DM	Total core cross-section, multi-core cable
CC	Max. total core cross-section area

## 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.

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Technical Data

General	
Types and variants	CG.B* - see type code table
Mechanical specifications	
Dimensions and torques	see data table
Cable type	CG.BA.*: armored cables CG.BN.*: non-armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Degree of protection	IP66 / IP68
Mass	see datasheets
Material	
Cable gland	brass nickel-plated or stainless steel AISI 316 (1.4401)
Finish	inherent color silver
O-Ring	silicone
Seal insert	silicone
Ambient conditions	
Ambient temperature	-60 ... 100 °C (-76 ... 212 °F)
Conformity	
Degree of protection	EN 60529
CE marking	0102

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Type Code / Model Number

<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>		<b>5</b>		<b>6</b>		<b>7</b>
CG	.	BA	.	***	.	**	.	*	.	**	.	K**
CG	.	BA	.	M20	.	BN	.	S	.	16	.	K01

Example: CG.BA.M20.BN.C.16.K01

Barrier gland metal, for armored cables, thread size M20, body brass nickel-plated, silicone seals for -60 °C ... 100 °C, installation thread length 16 mm, one piece

<b>1</b>	<b>Series</b>
CG	cable glands

<b>2</b>	<b>Type</b>
BA	metal barrier glands for armored cables

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

<b>4</b>	<b>Material</b>
BN	brass nickel-plated
SS	stainless steel

<b>5</b>	<b>Material seals / O-Ring</b>
S	silicone

<b>6</b>	<b>Thread length for installation in enclosure</b>
**	length in mm

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

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Type Code / Model Number

1	2	3	4	5	6	7
CG	BN	***	**	*	**	K**
CG	BN	M20	BN	S	16	K01

Example: CG.BN.M20.BN.S.16.K01

Barrier gland metal, for non-armored cables, thread size M20, body brass nickel-plated, silicone seals for -60 °C ... 100 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands

2	Type
BN	metal barrier glands for non-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
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

# Brief Instructions

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## Variant-Specific Data

Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.M20S.BN.S.16.*	M20	6 ... 13	49.2	65.2	16	27	25	25	25
CG.BN.M20.BN.S.16.*	M20	8 ... 15	49.2	65.2	16	27	25	25	25
CG.BN.M20L.BN.S.16.*	M20	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25S.BN.S.16.*	M25	8 ... 15	49.2	65.2	16	33	30	25	25
CG.BN.M25.BN.S.16.*	M25	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25L.BN.S.16.*	M25	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32.BN.S.16.*	M32	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32L.BN.S.16.*	M32	23 ... 33	59.7	75.7	16	47	43	43	43
CG.BN.M40S.BN.S.16.*	M40	23 ... 33	59.7	75.7	16	50	45	43	43
CG.BN.M40.BN.S.16.*	M40	29 ... 40	67.5	83.5	16	55.5	50	50	50
CG.BN.M50S.BN.S.16.*	M50	29 ... 40	67.5	83.5	16	61	55	50	50
CG.BN.M50.BN.S.16.*	M50	35 ... 48	73.2	89.2	16	64	58	58	58
CG.BN.M63S.BN.S.20.*	M63	35 ... 48	73.2	89.2	16	75	68	58	58
CG.BN.M63.BN.S.20.*	M63	42 ... 56	95.5	115.5	20	83	75	75	75
CG.BN.M75S.BN.S.20.*	M75	42 ... 56	95.5	115.5	20	89	80	75	75
CG.BN.M75.BN.S.20.*	M75	54 ... 70	104.5	124.5	20	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.M20S .BN.S.16.K01	M20	20 ... 20.2	153 g	160 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.M20S .BN.S.16.K15	M20	20 ... 20.2	153 g	2.35 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.M20. .BN.S.16.K01	M20	20 ... 20.2	147 g	154 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M20. .BN.S.16.K15	M20	20 ... 20.2	147 g	2.26 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.M20L .BN.S.16.K01	M20	20 ... 20.2	186 g	193 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.M20L .BN.S.16.K15	M20	20 ... 20.2	186 g	2.85 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.M25S .BN.S.16.K01	M25	25 ... 25.2	184 g	191 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M25S .BN.S.16.K10	M25	25 ... 25.2	184 g	1.96 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.M25. .BN.S.16.K01	M25	25 ... 25.2	209 g	266 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.M25. .BN.S.16.K10	M25	25 ... 25.2	209 g	2.21 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.M25L .BN.S.16.K01	M25	25 ... 25.2	371 g	378 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.M25L .BN.S.16.K10	M25	25 ... 25.2	371 g	3.83 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.M32. .BN.S.16.K01	M32	32 ... 32.3	413 g	420 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.M32. .BN.S.16.K10	M32	32 ... 32.3	413 g	4.25 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32L .BN.S.16.K01	M32	32 ... 32.3	372 g	404 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.M32L .BN.S.16.K10	M32	32 ... 32.3	372 g	4.09 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.M40S .BN.S.16.K01	M40	40 ... 40.3	441 g	478 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BN.M40S .BN.S.16.K05	M40	40 ... 40.3	441 g	2.01 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BN.M40. .BN.S.16.K01	M40	40 ... 40.3	496 g	558 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.M40. .BN.S.16.K05	M40	40 ... 40.3	469 g	2.67 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.M50S .BN.S.16.K01	M50	50 ... 50.3	616 g	628 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BN.M50S .BN.S.16.K02	M50	50 ... 50.3	616 g	1.46 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BN.M50. .BN.S.16.K01	M50	50 ... 50.3	642 g	679 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.M50. .BN.S.16.K02	M50	50 ... 50.3	642 g	1.56 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.M63S .BN.S.20.K01	M63	63 ... 63.3	919 g	0.96 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.M63S.BN.S.20.K02	M63	63 ... 63.3	919 g	2.11 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BN.M63.BN.S.20.K01	M63	63 ... 63.3	1.72 kg	1.78 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M63.BN.S.20.K02	M63	63 ... 63.3	1.72 kg	3.77 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75S.BN.S.20.K01	M75	75 ... 75.3	2 kg	2.06 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M75S.BN.S.20.K02	M75	75 ... 75.3	2 kg	4.32 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75.BN.S.20.K01	M75	75 ... 75.3	3.26 kg	3.25 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.M75.BN.S.20.K02	M75	75 ... 75.3	3.26 kg	6.7 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.M20S.SS.S.16.*	M20	6 ... 13	49.2	65.2	16	27	25	25	25
CG.BN.M20.SS.S.16.*	M20	8 ... 15	49.2	65.2	16	27	25	25	25
CG.BN.M20L.SS.S.16.*	M20	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25S.SS.S.16.*	M25	8 ... 15	49.2	65.2	16	33	30	25	25
CG.BN.M25.SS.S.16.*	M25	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25L.SS.S.16.*	M25	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32.SS.S.16.*	M32	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32L.SS.S.16.*	M32	23 ... 33	59.7	75.7	16	47	43	43	43
CG.BN.M40S.SS.S.16.*	M40	23 ... 33	59.7	75.7	16	50	45	43	43
CG.BN.M40.SS.S.16.*	M40	29 ... 40	67.5	83.5	16	55.5	50	50	50
CG.BN.M50S.SS.S.16.*	M50	29 ... 40	67.5	83.5	16	61	55	50	50
CG.BN.M50.SS.S.16.*	M50	35 ... 48	73.2	89.2	16	64	58	58	58
CG.BN.M63S.SS.S.20.*	M63	35 ... 48	73.2	89.2	16	75	68	58	58
CG.BN.M63.SS.S.20.*	M63	42 ... 56	95.5	115.5	20	83	75	75	75
CG.BN.M75S.SS.S.20.*	M75	42 ... 56	95.5	115.5	20	89	80	75	75
CG.BN.M75.SS.S.20.*	M75	54 ... 70	104.5	124.5	20	110.5	100	100	100

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## Details and Accessories Metric - Stainless Steel

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.M20S.SS.S.16.K01	M20	20 ... 20.2	145 g	152 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.M20S.SS.S.16.K15	M20	20 ... 20.2	145 g	2.22 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.M20.S.S.S.16.K01	M20	20 ... 20.2	139 g	146 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M20.S.S.S.16.K15	M20	20 ... 20.2	139 g	2.14 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.M20L.S.S.S.16.K01	M20	20 ... 20.2	176 g	183 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.M20L.S.S.S.16.K15	M20	20 ... 20.2	176 g	2.7 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.M25S.SS.S.16.K01	M25	25 ... 25.2	174 g	181 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M25S.SS.S.16.K10	M25	25 ... 25.2	174 g	1.86 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.M25.S.S.S.16.K01	M25	25 ... 25.2	198 g	255 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.M25.S.S.S.16.K10	M25	25 ... 25.2	198 g	2.1 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.M25L.S.S.S.16.K01	M25	25 ... 25.2	351 g	358 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.M25L.S.S.S.16.K10	M25	25 ... 25.2	351 g	3.63 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.M32.S.S.S.16.K01	M32	32 ... 32.3	390 g	397 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32.S.S.S.16.K10	M32	32 ... 32.3	413 g	4.02 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32L.S.S.S.16.K01	M32	32 ... 32.3	352 g	384 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.M32L.S.S.S.16.K10	M32	32 ... 32.3	352 g	3.89 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.M40S.SS.S.16.K01	M40	40 ... 40.3	416 g	453 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BN.M40S.SS.S.16.K05	M40	40 ... 40.3	416 g	2.39 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BN.M40.S.S.S.16.K01	M40	40 ... 40.3	469 g	531 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.M40.S.S.S.16.K05	M40	40 ... 40.3	469 g	2.53 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.M50S.SS.S.16.K01	M50	50 ... 50.3	582 g	594 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BN.M50S.SS.S.16.K02	M50	50 ... 50.3	582 g	1.39 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BN.M50.S.S.S.16.K01	M50	50 ... 50.3	606 g	643 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.M50.S.S.S.16.K02	M50	50 ... 50.3	606 g	1.49 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.M63S.SS.S.20.K01	M63	63 ... 63.3	868 g	0.9 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.M63S.SS.S.20.K02	M63	63 ... 63.3	868 g	2.01 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BN.M63.SS.S.20.K01	M63	63 ... 63.3	1.63 kg	1.69 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M63.SS.S.20.K02	M63	63 ... 63.3	1.63 kg	3.57 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75S.SS.S.20.K01	M75	75 ... 75.3	1.89 kg	1.95 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M75S.SS.S.20.K02	M75	75 ... 75.3	1.89 kg	4.1 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75.SS.S.20.K01	M75	75 ... 75.3	3.08 kg	3.07 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.M75.SS.S.20.K02	M75	75 ... 75.3	3.08 kg	6.34 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.NPT1/2S.BN.S.21.*	NPT 1/2"	6 ... 13	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2.BN.S.21.*	NPT 1/2"	8 ... 15	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2L.BN.S.21.*	NPT 1/2"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4S.BN.S.21.*	NPT 3/4"	8 ... 15	49	70	21	33	30	25	25
CG.BN.NPT3/4.BN.S.21.*	NPT 3/4"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4L.BN.S.21.*	NPT 3/4"	18 ... 27	58	79	21	44.5	40	40	40
CG.BN.NPT1.BN.S.26.*	NPT 1"	18 ... 27	57.9	83.9	26	44.5	40	40	40
CG.BN.NPT1L.BN.S.26.*	NPT 1"	23 ... 33	59.7	85.7	26	47	43	43	43
CG.BN.NPT1-1/4S.BN.S.28.*	NPT 1-1/4"	23 ... 33	59.7	87.7	28	50	45	43	43
CG.BN.NPT1-1/4.BN.S.28.*	NPT 1-1/4"	29 ... 40	67.5	95.5	28	55.5	50	50	50
CG.BN.NPT1-1/2.BN.S.28.*	NPT 1-1/2"	29 ... 40	67.3	95.3	28	61	55	50	50
CG.BN.NPT2.BN.S.28.*	NPT 2"	35 ... 48	73.2	101.2	28	72	65	58	58
CG.BN.NPT2-1/2.BN.S.41.*	NPT 2-1/2"	42 ... 56	95.9	136.9	41	89	80	75	75
CG.BN.NPT3.BN.S.43.*	NPT 3"	54 ... 70	104.5	147.5	43	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD		DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	
CG.BN.NPT1/2S.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	170 g	177 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.NPT1/2S.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	170 g	2.61 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.NPT1/2.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	164 g	171 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT1/2.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	164 g	2.52 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.NPT1/2L.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	202 g	209 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.NPT1/2L.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	202 g	3.09 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.NPT3/4S.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	213 g	220 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT3/4S.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	213 g	2.25 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.NPT3/4.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	237 g	244 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.NPT3/4.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	237 g	2.49 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.NPT3/4L.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	394 g	401 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.NPT3/4L.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	394 g	4.06 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.NPT1.BN.S.26.K01	NPT 1"	33.5 ... 33.7	476 g	488 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.NPT1.BN.S.26.K10	NPT 1"	33.5 ... 33.7	476 g	4.88 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.NPT1L.BN.S.26.K01	NPT 1"	33.5 ... 33.7	420 g	457 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1L.BN.S.26.K10	NPT 1"	33.5 ... 33.7	420 g	4.57 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.NPT1-1/4S.BN.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	556 g	593 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1-1/4S.BN.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	556 g	3.09 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BN.NPT1-1/4.BN.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	577 g	589 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/4.BN.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	577 g	3.32 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.NPT1-1/2.BN.S.28.K01	NPT 1-1/2"	48.3 ... 48.5	703 g	715 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/2.BN.S.28.K02	NPT 1-1/2"	48.3 ... 48.5	703 g	1.63 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BN.NPT2.BN.S.28.K01	NPT 2"	60.4 ... 60.7	970 g	1.01 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.NPT2.BN.S.28.K02	NPT 2"	60.4 ... 60.7	917 g	2.22 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.NPT2-1/2.BN.S.41.K01	NPT 2-1/2"	73.1 ... 73.4	2.36 kg	2.42 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com

 **PEPPERL+FUCHS**

# Brief Instructions

Barrier Cable Glands, Metal, for amored cables CG.BA.\* for non-amored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.NPT2-1/2.BN.S.41.K02	NPT 2-1/2"	73.1 ... 73.4	2.36 kg	5.05 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.NPT3.BN.S.43.K01	NPT 3"	89 ... 89.3	4.14 kg	4.18 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.NPT3.BN.S.43.K02	NPT 3"	89 ... 89.3	4.14 kg	8.4 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.NPT1/2S.SS.S.21.*	NPT 1/2"	6 ... 13	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2.SS.S.21.*	NPT 1/2"	8 ... 15	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2L.SS.S.21.*	NPT 1/2"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4S.SS.S.21.*	NPT 3/4"	8 ... 15	49	70	21	33	30	25	25
CG.BN.NPT3/4.SS.S.21.*	NPT 3/4"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4L.SS.S.21.*	NPT 3/4"	18 ... 27	58	79	21	44.5	40	40	40
CG.BN.NPT1.SS.S.26.*	NPT 1"	18 ... 27	57.9	83.9	26	44.5	40	40	40
CG.BN.NPT1L.SS.S.26.*	NPT 1"	23 ... 33	59.7	85.7	26	47	43	43	43
CG.BN.NPT1-1/4S.SS.S.28.*	NPT 1-1/4"	23 ... 33	59.7	87.7	28	50	45	43	43
CG.BN.NPT1-1/4.SS.S.28.*	NPT 1-1/4"	29 ... 40	67.5	95.5	28	55.5	50	50	50
CG.BN.NPT1-1/2.SS.S.28.*	NPT 1-1/2"	29 ... 40	67.3	95.3	28	61	55	50	50
CG.BN.NPT2.SS.S.28.*	NPT 2"	35 ... 48	73.2	101.2	28	72	65	58	58
CG.BN.NPT2-1/2.SS.S.41.*	NPT 2-1/2"	42 ... 56	95.9	136.9	41	89	80	75	75
CG.BN.NPT3.SS.S.43.*	NPT 3"	54 ... 70	104.5	147.5	43	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories NPT - Stainless Steel

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.NPT1/2S.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	161 g	218 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.NPT1/2S.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	161 g	2.47 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.NPT1/2.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	155 g	162 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT1/2.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	155 g	2.38 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.NPT1/2L.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	191 g	198 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.NPT1/2L.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	191 g	2.92 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.NPT3/4S.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	202 g	209 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT3/4S.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	202 g	3.14 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.NPT3/4.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	224 g	231 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.NPT3/4.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	224 g	2.36 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.NPT3/4L.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	373 g	380 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.NPT3/4L.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	373 g	3.85 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.NPT1.S.S.26.K01	NPT 1"	33.5 ... 33.7	450 g	462 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.NPT1.S.S.26.K10	NPT 1"	33.5 ... 33.7	450 g	4.62 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.NPT1L.SS.S.26.K01	NPT 1"	33.5 ... 33.7	396 g	433 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1L.SS.S.26.K10	NPT 1"	33.5 ... 33.7	396 g	4.33 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.NPT1-1/4S.SS.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	525 g	562 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1-1/4S.SS.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	525 g	2.94 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BN.NPT1-1/4.SS.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	545 g	557 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/4.SS.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	545 g	3.16 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.NPT1-1/2.SS.S.28.K01	NPT 1-1/2"	48.3 ... 48.5	664 g	676 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/2.SS.S.28.K02	NPT 1-1/2"	48.3 ... 48.5	664 g	1.55 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BN.NPT2.S.S.28.K01	NPT 2"	60.4 ... 60.7	917 g	0.95 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.NPT2.S.S.28.K02	NPT 2"	60.4 ... 60.7	917 g	2.11 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.NPT2-1/2.SS.S.41.K01	NPT 2-1/2"	73.1 ... 73.4	2.23 kg	2.29 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com

 **PEPPERL+FUCHS**

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BN.NPT2-1/2.SS.S.41.K02	NPT 2-1/2"	73.1 ... 73.4	2.23 kg	4.78 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.NPT3.S.S.43.K01	NPT 3"	89 ... 89.3	3.9 kg	3.94 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.NPT3.S.S.43.K02	NPT 3"	89 ... 89.3	3.9 kg	7.94 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.M20S.BN.S.16.*	M20	6 ... 13	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20.BN.S.16.*	M20	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20L.BN.S.16.*	M20	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25S.BN.S.16.*	M25	8 ... 15	0.9	1.25	0.3	0.9	61.5	77.5	16	33	30	25	25
CG.BA.M25.BN.S.16.*	M25	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25L.BN.S.16.*	M25	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32.BN.S.16.*	M32	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32L.BN.S.16.*	M32	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	47	43	43	43
CG.BA.M40S.BN.S.16.*	M40	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	50	45	43	43
CG.BA.M40.BN.S.16.*	M40	29 ... 40	1	2	0.4	1	80.5	96.5	16	55.5	50	50	50
CG.BA.M50S.BN.S.16.*	M50	29 ... 40	1	2	0.4	1	80.5	96.5	16	61	55	50	50
CG.BA.M50.BN.S.16.*	M50	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63S.BN.S.20.*	M63	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63.BN.S.20.*	M63	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	83	75	75	75
CG.BA.M75S.BN.S.20.*	M75	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	89	80	75	75
CG.BA.M75.BN.S.20.*	M75	54 ... 70	1	3.2	0.6	1	124.1	144.1	20	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.M20S.B N.S.16.K01	M20	20 ... 20.2	156 g	250 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.M20S.B N.S.16.K15	M20	20 ... 20.2	201 g	4.07 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.M20.B N.S.16.K01	M20	20 ... 20.2	176 g	183 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.M20.B N.S.16.K15	M20	20 ... 20.2	176 g	2.7 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.M20L.B N.S.16.K01	M20	20 ... 20.2	226 g	234 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.M20L.B N.S.16.K15	M20	20 ... 20.2	226 g	3.45 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.M25S.B N.S.16.K01	M25	25 ... 25.2	213 g	220 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	1
CG.BA.M25S.B N.S.16.K10	M25	25 ... 25.2	213 g	2.25 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	10
CG.BA.M25.B N.S.16.K01	M25	25 ... 25.2	250 g	257 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.M25.B N.S.16.K10	M25	25 ... 25.2	250 g	2.62 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.M25L.B N.S.16.K01	M25	25 ... 25.2	431 g	438 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.M25L.B N.S.16.K10	M25	25 ... 25.2	431 g	4.43 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.M32.B N.S.16.K01	M32	32 ... 32.3	473 g	480 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.M32.B N.S.16.K10	M32	32 ... 32.3	473 g	4.85 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.M32L.B N.S.16.K01	M32	32 ... 32.3	438 g	470 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.M32L.B N.S.16.K10	M32	32 ... 32.3	438 g	4.75 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.M40S.B N.S.16.K01	M40	40 ... 40.3	507 g	554 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BA.M40S.B N.S.16.K05	M40	40 ... 40.3	507 g	2.84 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BA.M40.B N.S.16.K01	M40	40 ... 40.3	574 g	536 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.M40.B N.S.16.K05	M40	40 ... 40.3	574 g	3.05 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BA.M50S.B N.S.16.K01	M50	50 ... 50.3	693 g	705 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BA.M50S.B N.S.16.K02	M50	50 ... 50.3	693 g	1.61 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BA.M50.B N.S.16.K01	M50	50 ... 50.3	754 g	791 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.M50.B N.S.16.K02	M50	50 ... 50.3	754 g	1.78 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.M63S.B N.S.20.K01	M63	63 ... 63.3	1.03 kg	1.07 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.M63S.B N.S.20.K02	M63	63 ... 63.3	1.03 kg	2.34 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BA.M63.B N.S.20.K01	M63	63 ... 63.3	2.03 kg	2.09 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M63.B N.S.20.K02	M63	63 ... 63.3	2.03 kg	4.38 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75S.B N.S.20.K01	M75	75 ... 75.3	2.3 kg	2.37 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M75S.B N.S.20.K02	M75	75 ... 75.3	2.3 kg	4.93 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75.B N.S.20.K01	M75	75 ... 75.3	3.76 kg	3.74 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.M75.B N.S.20.K02	M75	75 ... 75.3	3.76 kg	7.68 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.M20S.SS.S.16.*	M20	6 ... 13	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20.SS.S.16.*	M20	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20L.SS.S.16.*	M20	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25S.SS.S.16.*	M25	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	33	30	25	25
CG.BA.M25.SS.S.16.*	M25	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25L.SS.S.16.*	M25	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32.SS.S.16.*	M32	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32L.SS.S.16.*	M32	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	47	43	43	43
CG.BA.M40S.SS.S.16.*	M40	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	50	45	43	43
CG.BA.M40.SS.S.16.*	M40	29 ... 40	1	2	0.4	1	80.5	96.5	16	55.5	50	50	50
CG.BA.M50S.SS.S.16.*	M50	29 ... 40	1	2	0.4	1	80.5	96.5	16	61	55	50	50
CG.BA.M50.SS.S.16.*	M50	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63S.SS.S.20.*	M63	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	75	75	75
CG.BA.M63.SS.S.20.*	M63	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	83	75	75	75
CG.BA.M75S.SS.S.20.*	M75	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	89	80	75	75
CG.BA.M75.SS.S.20.*	M75	54 ... 70	1	3.2	0.6	1	124.1	144.1	20	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories Metric - Stainless Steel

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.M20S.SS.S.16.K01	M20	20 ... 20.2	190 g	197 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.M20S.SS.S.16.K15	M20	20 ... 20.2	190 g	2.9 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.M20.S.S.S.16.K01	M20	20 ... 20.2	166 g	173 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.M20.S.S.S.16.K15	M20	20 ... 20.2	166 g	2.55 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.M20L.S.S.S.16.K01	M20	20 ... 20.2	214 g	221 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.M20L.S.S.S.16.K15	M20	20 ... 20.2	214 g	3.27 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.M25S.SS.S.16.K01	M25	25 ... 25.2	201 g	208 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	1
CG.BA.M25S.SS.S.16.K10	M25	25 ... 25.2	201 g	2.13 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	10
CG.BA.M25.S.S.S.16.K01	M25	25 ... 25.2	236 g	243 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.M25.S.S.S.16.K10	M25	25 ... 25.2	236 g	2.48 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.M25L.S.S.S.16.K01	M25	25 ... 25.2	407 g	414 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.M25L.S.S.S.16.K10	M25	25 ... 25.2	407 g	4.19 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.M32.S.S.S.16.K01	M32	32 ... 32.3	447 g	454 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.M32.S.S.S.16.K10	M32	32 ... 32.3	447 g	4.59 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.M32L.S.S.S.16.K01	M32	32 ... 32.3	414 g	446 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.M32L.S.S.S.16.K10	M32	32 ... 32.3	414 g	4.51 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.M40S.SS.S.16.K01	M40	40 ... 40.3	479 g	516 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BA.M40S.SS.S.16.K05	M40	40 ... 40.3	479 g	2.7 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BA.M40.S.S.S.16.K01	M40	40 ... 40.3	542 g	604 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.M40.S.S.S.16.K05	M40	40 ... 40.3	542 g	2.89 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BA.M50S.SS.S.16.K01	M50	50 ... 50.3	655 g	667 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BA.M50S.SS.S.16.K02	M50	50 ... 50.3	655 g	1.53 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BA.M50.S.S.S.16.K01	M50	50 ... 50.3	712 g	749 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.M50.S.S.S.16.K02	M50	50 ... 50.3	712 g	1.7 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.M63S.SS.S.20.K01	M63	63 ... 63.3	974 g	1.01 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.M63S.SS.S.20.K02	M63	63 ... 63.3	974 g	2.22 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BA.M63S.S.S.20.K01	M63	63 ... 63.3	1.92 kg	1.98 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M63S.S.S.20.K02	M63	63 ... 63.3	1.92 kg	4.16 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75S.SS.S.20.K01	M75	75 ... 75.3	2.18 kg	2.24 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M75S.SS.S.20.K02	M75	75 ... 75.3	2.18 kg	4.68 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75S.S.S.20.K01	M75	75 ... 75.3	3.55 kg	3.53 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.M75S.S.S.20.K02	M75	75 ... 75.3	3.55 kg	7.27 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.NPT1/2S.BN.S.21.*	NPT 1/2"	6 ... 13	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2.BN.S.21.*	NPT 1/2"	8 ... 15	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2L.BN.S.21.*	NPT 1/2"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4S.BN.S.21.*	NPT 3/4"	8 ... 15	0.8	1.25	0.3	0.8	61.7	82.7	21	33	30	25	25
CG.BA.NPT3/4.BN.S.21.*	NPT 3/4"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4L.BN.S.21.*	NPT 3/4"	18 ... 27	0.9	1.6	0.3	0.9	70.5	91.5	21	44.5	40	40	40
CG.BA.NPT1.BN.S.26.*	NPT 1"	18 ... 27	0.9	1.6	0.3	0.9	70.6	96.6	26	44.5	40	40	40
CG.BA.NPT1L.BN.S.26.*	NPT 1"	23 ... 33	0.9	1.6	0.3	0.9	72.3	98.3	26	47	43	43	43
CG.BA.NPT1-1/4S.BN.S.28.*	NPT 1-1/4"	23 ... 33	0.9	1.6	0.3	0.9	72.3	100.3	28	50	45	43	43
CG.BA.NPT1-1/4.BN.S.28.*	NPT 1-1/4"	29 ... 40	1	2	0.4	1	80.5	108.5	28	55.5	50	50	50
CG.BA.NPT1-1/2.BN.S.28.*	NPT 1-1/2"	29 ... 40	1	2	0.4	1	80.5	108.5	28	61	55	50	50
CG.BA.NPT2.BN.S.28.*	NPT 2"	35 ... 48	1	2.5	0.4	1	88.5	116.3	28	72	65	58	58
CG.BA.NPT2-1/2.BN.S.41.*	NPT 2-1/2"	42 ... 56	1	2.5	0.4	1	117.9	158.9	41	89	80	75	75
CG.BA.NPT3.BN.S.43.*	NPT 3"	54 ... 70	1	3.2	0.6	1	124.1	167.1	43	110.5	100	100	100

## Details and Accessories NPT - Brass Nickel-plated

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.NPT1/2S.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	218 g	225 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.NPT1/2S.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	218 g	3.33 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.NPT1/2.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	193 g	200 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT1/2.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	193 g	2.95 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.NPT1/2L.BN.S.21.K01	NPT 1/2"	21.4 ... 21.6	242 g	249 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.NPT1/2L.BN.S.21.K15	NPT 1/2"	21.4 ... 21.6	242 g	3.69 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.NPT3/4S.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	243 g	250 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT3/4S.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	243 g	2.55 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BA.NPT3/4.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	278 g	285 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.NPT3/4.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	278 g	2.9 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.NPT3/4L.BN.S.21.K01	NPT 3/4"	26.7 ... 26.9	454 g	461 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.NPT3/4L.BN.S.21.K10	NPT 3/4"	26.7 ... 26.9	454 g	4.66 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.NPT1.BN.S.26.K01	NPT 1"	33.5 ... 33.7	536 g	548 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.NPT1.BN.S.26.K10	NPT 1"	33.5 ... 33.7	536 g	5.48 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.NPT1-1/4S.BN.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	622 g	659 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1L.BN.S.26.K01	NPT 1"	33.5 ... 33.7	486 g	523 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1-1/4S.BN.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	622 g	3.42 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BA.NPT1L.BN.S.26.K10	NPT 1"	33.5 ... 33.7	486 g	5.23 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.NPT1-1/4.BN.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	655 g	717 g	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	1
CG.BA.NPT1-1/4.BN.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	655 g	3.71 kg	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	5
CG.BA.NPT1-1/2.BN.S.28.K01	NPT 1-1/2"	48.3 ... 48.5	781 g	843 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.NPT1-1/2.BN.S.28.K02	NPT 1-1/2"	48.3 ... 48.5	781 g	1.89 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BA.NPT2.BN.S.28.K01	NPT 2"	60.4 ... 60.7	1.08 kg	1.12 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.NPT2.BN.S.28.K02	NPT 2"	60.4 ... 60.7	1.08 kg	2.44 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.NPT2-1/2.BN.S.41.K01	NPT 2-1/2"	73.1 ... 73.4	2.27 kg	2.73 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.NPT2-1/2.BN.S.41.K02	NPT 2-1/2"	73.1 ... 73.4	2.27 kg	5.66 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.NPT3.B N.S.43.K01	NPT 3"	89 ... 89.3	4.63 kg	4.67 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.NPT3.B N.S.43.K02	NPT 3"	89 ... 89.3	4.63 kg	9.54 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data

## Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.NPT1/2S.S.S.21.*	NPT 1/2"	6 ... 13	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2.SS.S.21.*	NPT 1/2"	8 ... 15	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2L.SS.S.21.*	NPT 1/2"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4S.S.S.21.*	NPT 3/4"	8 ... 15	0.8	1.25	0.3	0.8	61.7	82.7	21	33	30	25	25
CG.BA.NPT3/4.SS.S.21.*	NPT 3/4"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4L.SS.S.21.*	NPT 3/4"	18 ... 27	0.9	1.6	0.3	0.9	70.5	91.5	21	44.5	40	40	40
CG.BA.NPT1.SS.S.26.*	NPT 1"	18 ... 27	0.9	1.6	0.3	0.9	70.6	96.6	26	44.5	40	40	40
CG.BA.NPT1L.SS.S.26.*	NPT 1"	23 ... 33	0.9	1.6	0.3	0.9	72.3	98.3	26	47	43	43	43
CG.BA.NPT1-1/4S.S.S.28.*	NPT 1-1/4"	23 ... 33	0.9	1.6	0.3	0.9	72.3	100.3	28	50	45	43	43
CG.BA.NPT1-1/4.SS.S.28.*	NPT 1-1/4"	29 ... 40	1	2	0.4	1	80.5	108.5	28	55.5	50	50	50
CG.BA.NPT1-1/2.SS.S.28.*	NPT 1-1/2"	29 ... 40	1	2	0.4	1	80.5	108.5	28	61	55	50	50
CG.BA.NPT2.SS.S.28.*	NPT 2"	35 ... 48	1	2.5	0.4	1	88.5	116.3	28	72	65	58	58
CG.BA.NPT2-1/2.SS.S.41.*	NPT 2-1/2"	42 ... 56	1	2.5	0.4	1	117.9	158.9	41	89	80	75	75
CG.BA.NPT3.SS.S.43.*	NPT 3"	54 ... 70	1	3.2	0.6	1	124.1	167.1	43	110.5	100	100	100

# Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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## Details and Accessories NPT - Stainless Steel

Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.NPT1/2S.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	206 g	213 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.NPT1/2S.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	206 g	3.15 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.NPT1/2.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	183 g	190 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT1/2.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	183 g	2.79 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.NPT1/2L.SS.S.21.K01	NPT 1/2"	21.4 ... 21.6	229 g	236 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.NPT1/2L.SS.S.21.K15	NPT 1/2"	21.4 ... 21.6	229 g	3.49 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.NPT3/4S.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	229 g	236 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT3/4S.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	229 g	2.41 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BA.NPT3/4.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	262 g	269 g	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.NPT3/4.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	262 g	2.74 kg	11	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.NPT3/4L.SS.S.21.K01	NPT 3/4"	26.7 ... 26.9	429 g	436 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.NPT3/4L.SS.S.21.K10	NPT 3/4"	26.7 ... 26.9	429 g	4.41 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.NPT1.SS.S.26.K01	NPT 1"	33.5 ... 33.7	506 g	518 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.NPT1.SS.S.26.K10	NPT 1"	33.5 ... 33.7	506 g	5.18 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.NPT1L.S.S.26.K01	NPT 1"	33.5 ... 33.7	459 g	496 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1L.S.S.26.K10	NPT 1"	33.5 ... 33.7	459 g	4.96 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.NPT1-1/4S.SS.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	588 g	625 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1-1/4S.SS.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	588 g	3.25 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BA.NPT1-1/4.SS.S.28.K01	NPT 1-1/4"	42.2 ... 42.4	618 g	680 g	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	1
CG.BA.NPT1-1/4.SS.S.28.K05	NPT 1-1/4"	42.2 ... 42.4	618 g	3.53 kg	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	5
CG.BA.NPT1-1/2.SS.S.28.K01	NPT 1-1/2"	48.3 ... 48.5	737 g	799 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.NPT1-1/2.SS.S.28.K02	NPT 1-1/2"	48.3 ... 48.5	737 g	1.8 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BA.NPT2.SS.S.28.K01	NPT 2"	60.4 ... 60.7	1.02 kg	1.06 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.NPT2.SS.S.28.K02	NPT 2"	60.4 ... 60.7	1.02 kg	2.32 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.NPT2-1/2.SS.S.41.K01	NPT 2-1/2"	73.1 ... 73.4	2.52 kg	2.58 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1

## Brief Instructions

Barrier Cable Glands, Metal, for armored cables CG.BA.\* for non-armored cables CG.BN.\*

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Type	Thread size	Diameter thru-hole [mm]	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	DT	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm <sup>2</sup> ]	SW1	SW2	SW3	
CG.BA.NPT2-1/2.SS.S.41.K02	NPT 2-1/2"	73.1 ... 73.4	2.52 kg	5.37 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.NPT3.SS.S.43.K01	NPT 3"	89 ... 89.3	4.37 kg	4.41 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.NPT3.SS.S.43.K02	NPT 3"	89 ... 89.3	4.37 kg	9.02 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

\*Knn: scope of delivery see table technical data