



CASK POWER SYSTEMS · CABLE ENTRY

Cable Glands

Polyamide, brass, stainless steel, armoured and Ex d / Ex e explosion-proof cable glands, metric M12 to M75 and PG7 to PG48, with lock nuts, plugs and accessories.

■ Polyamide cable glands, metric and PG

■ Stainless steel and EMC glands

■ Ex d / Ex e explosion-proof glands

■ Part numbers and materials

■ Brass cable glands, IP68 and IP55

■ Armoured and industrial cable glands

■ Lock nuts, blanking plugs and accessories

■ Selection and installation

Part numbers and materials

Every CASK cable gland part number describes the product: the base number, the entry thread or gland size, and the material or colour. The ERP builds the same number from the size, so offers, orders and the catalogue always match.



Polyamide parts The last code is the colour: CPS-CG001-M20-GY (grey) or CPS-CG001-M20-BK (black).	Armoured and Ex glands The size is the gland size, which fixes the entry thread: CPS-CG021-20S-BR has an M20 entry.	Reducers and adaptors Both threads are given, enclosure side first: CPS-CG054-M25-M20-NP.
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CODE	MATERIAL	DESCRIPTION
-GY	 Polyamide, light grey RAL 7035	PA 6 polyamide, UL 94 V-2, halogen free. Indoor and UV-stabilised outdoor use.
-BK	 Polyamide, black RAL 9005	Same polyamide, carbon-black UV-resistant grade for outdoor and solar.
-NP	 Nickel-plated brass	Brass CuZn39Pb3 (EN 12164), nickel plated. Standard for industrial glands.
-BR	 Brass, natural	Natural brass, for armoured glands and earth tags in dry, non-corrosive sites.
-SS	 Stainless steel AISI 316L	Stainless steel AISI 316L (1.4404). Food, marine, offshore and chemical plants.
-PV	 PVC, black	Flexible PVC shroud for armoured glands, outdoor and general use.
-LS	 LSZH (low smoke, zero halogen), black	Low smoke, zero halogen shroud for tunnels, buildings and public areas.
-NY	 Polyamide 6.6, natural	Polyamide 6.6 sealing washer between gland and enclosure wall.
-RG	 EPDM rubber, grey	EPDM rubber grommet, weather and UV resistant.

Other entry threads NPT, PG or long entry threads are made on request. The part number stays the same and the thread is written on the order.	Ex certificates ATEX and IECEx certificate numbers and the full marking are given with each order of Ex glands.
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Product overview

27 product families, 460 part numbers.

BASE NUMBER	PRODUCT	CODES	NUMBERS	PAGE
CPS-CG001	Polyamide cable gland, metric, IP68	-GY -BK	16	4
CPS-CG002	Polyamide cable gland, PG thread, IP68	-GY -BK	20	4
CPS-CG011	Nickel-plated brass cable gland, metric, IP68	-NP	8	5
CPS-CG012	Nickel-plated brass cable gland, PG thread, IP68	-NP	11	5
CPS-CG013	Stainless steel cable gland, metric, IP68	-SS	8	6
CPS-CG014	EMC brass cable gland, metric, IP68	-NP	8	6
CPS-CG015	Brass cable gland with cable clamp, PG thread, IP55	-BR	11	7
CPS-CG016	Nickel-plated brass cable gland, PG thread, IP55	-NP	11	7
CPS-CG021	Armoured cable gland, outdoor, double seal	-BR -NP	26	8
CPS-CG022	Armoured cable gland, indoor, single seal	-BR -NP	26	8
CPS-CG023	Unarmoured industrial cable gland, single seal	-BR -NP	26	9
CPS-CG031	Ex d / Ex e unarmoured cable gland	-BR -NP -SS	39	10
CPS-CG032	Ex d / Ex e armoured cable gland, double seal	-BR -NP -SS	39	10
CPS-CG033	Ex d barrier cable gland, compound filled, armoured	-BR -NP -SS	39	11
CPS-CG041	Lock nut, nickel-plated brass, metric	-NP	9	12
CPS-CG042	Lock nut, nickel-plated brass, PG thread	-NP	10	12
CPS-CG043	Lock nut, polyamide, metric	-GY -BK	16	13
CPS-CG044	Lock nut, polyamide, PG thread	-GY -BK	20	13
CPS-CG045	Blanking plug, nickel-plated brass, metric	-NP	8	14
CPS-CG046	Blanking plug, nickel-plated brass, PG thread	-NP	10	14
CPS-CG047	Blanking plug, polyamide, metric	-GY -BK	16	15
CPS-CG048	Blanking plug, polyamide, PG thread	-GY -BK	16	15
CPS-CG049	Stepped rubber grommet	-RG	6	17
CPS-CG051	Shroud for armoured cable glands	-PV -LS	26	9
CPS-CG052	Earth tag, brass	-BR -NP	14	16
CPS-CG053	Sealing washer, polyamide	-NY	9	16
CPS-CG054	Thread reducer and adaptor, nickel-plated brass	-NP	12	17

Standards

STANDARD	SUBJECT	STANDARD	SUBJECT
EN 62444	Cable glands for electrical installations	ISO 965 / EN 60423	Metric entry threads
IEC 60529	Degrees of protection, IP66 / IP68	DIN 40430	PG (steel conduit) threads
IEC 60079-0, -1, -7	Explosive atmospheres: Ex d and Ex e	BS 6121-1	Mechanical cable glands, armoured types
IEC 60079-31	Dust protection by enclosure, Ex t	UL 94	Flammability of polyamide parts
IEC 60079-14	Selection and installation in hazardous areas	EN 12164	Brass rod for machining

Polyamide cable glands

IP68 glands for control, instrument and power cables in panels, junction boxes and machines. Grey and black.

BODY AND CAP PA 6, UL 94 V-2	SEAL INSERT TPE / NBR, oil resistant	PROTECTION IP68 to 5 bar, IP69K	TEMPERATURE -40 °C to +100 °C
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Polyamide cable gland, metric

M12 to M63 · 16 part numbers

CPS-CG001



- Lamellar clamping cage: strong grip without twisting the cable
- Integral strain relief to EN 62444
- Metric ISO entry thread, 1.5 mm pitch
- Supplied with sealing O-ring; lock nut CPS-CG041 on order
- Black version UV stabilised for outdoor and solar

Example part number

CPS-CG001-M20-BK

Thread	Clamping Ø	AF	GL	H	Hole	Grey RAL 7035	Black RAL 9005
M12	3 – 6.5	15	8	19	12.5	CPS-CG001-M12-GY	CPS-CG001-M12-BK
M16	4 – 8	19	8	21	16.5	CPS-CG001-M16-GY	CPS-CG001-M16-BK
M20	6 – 12	24	9	25	20.5	CPS-CG001-M20-GY	CPS-CG001-M20-BK
M25	13 – 18	33	11	30	25.5	CPS-CG001-M25-GY	CPS-CG001-M25-BK
M32	18 – 25	42	11	36	32.5	CPS-CG001-M32-GY	CPS-CG001-M32-BK
M40	22 – 32	53	13	45	40.5	CPS-CG001-M40-GY	CPS-CG001-M40-BK
M50	30 – 38	60	13	48	50.5	CPS-CG001-M50-GY	CPS-CG001-M50-BK
M63	34 – 44	68	14	52	63.5	CPS-CG001-M63-GY	CPS-CG001-M63-BK

Clamping Ø = cable outer diameter range · AF = across flats · GL = entry thread length · H = height above the wall · Hole = clearance hole. Dimensions in mm.

Polyamide cable gland, PG thread

PG7 to PG48 · 20 part numbers

CPS-CG002



- Same body and seal as the metric range
- PG thread to DIN 40430 for existing PG enclosures
- Replaces older PG glands one for one

Example part number

CPS-CG002-PG13.5-GY

Thread	Clamping Ø	AF	GL	H	Hole	Grey RAL 7035	Black RAL 9005
PG7	3 – 6.5	15	8	19	12.5	CPS-CG002-PG7-GY	CPS-CG002-PG7-BK
PG9	4 – 8	19	8	21	15.5	CPS-CG002-PG9-GY	CPS-CG002-PG9-BK
PG11	5 – 10	22	8	23	18.5	CPS-CG002-PG11-GY	CPS-CG002-PG11-BK
PG13.5	6 – 12	24	9	25	20.5	CPS-CG002-PG13.5-GY	CPS-CG002-PG13.5-BK
PG16	10 – 14	27	10	27	22.5	CPS-CG002-PG16-GY	CPS-CG002-PG16-BK
PG21	13 – 18	33	11	30	28.5	CPS-CG002-PG21-GY	CPS-CG002-PG21-BK
PG29	18 – 25	42	11	36	37.5	CPS-CG002-PG29-GY	CPS-CG002-PG29-BK
PG36	22 – 32	53	13	45	47.5	CPS-CG002-PG36-GY	CPS-CG002-PG36-BK
PG42	30 – 38	60	13	48	55	CPS-CG002-PG42-GY	CPS-CG002-PG42-BK
PG48	34 – 44	65	14	52	60	CPS-CG002-PG48-GY	CPS-CG002-PG48-BK

Dimensions in mm.

Nickel-plated brass cable glands

IP68 metal glands for industry, switchgear, pumps, motors and outdoor equipment.

BODY AND CAP Brass CuZn39Pb3, nickel plated	SEAL INSERT TPE, clamping cage PA 6	PROTECTION IP68 to 5 bar	TEMPERATURE -40 °C to +100 °C
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Nickel-plated brass cable gland, metric M12 to M63 · 8 part numbers

CPS-CG011



- Metric ISO entry thread, 1.5 mm pitch
- Wide clamping range per size
- Strain relief and tension resistance to EN 62444
- Lock nut CPS-CG041 and sealing washer CPS-CG053 on order

Example part number

CPS-CG011-M25-NP

Thread	Clamping Ø	AF	GL	H	Hole	Part number
M12	3 – 6.5	15	6.5	19	12.5	CPS-CG011-M12-NP
M16	4 – 8	19	6.5	21	16.5	CPS-CG011-M16-NP
M20	6 – 12	24	6.5	24	20.5	CPS-CG011-M20-NP
M25	10 – 14	30	7	27	25.5	CPS-CG011-M25-NP
M32	13 – 18	36	8	32	32.5	CPS-CG011-M32-NP
M40	18 – 25	46	8	38	40.5	CPS-CG011-M40-NP
M50	22 – 32	55	10	42	50.5	CPS-CG011-M50-NP
M63	34 – 44	68	10	46	63.5	CPS-CG011-M63-NP

Clamping Ø = cable outer diameter range · AF = across flats · GL = entry thread length · H = height above the wall.
Dimensions in mm.

Nickel-plated brass cable gland, PG thread PG7 to PG48 · 11 part numbers

CPS-CG012



- PG thread to DIN 40430
- Same body, seal and finish as the metric range
- Lock nut CPS-CG042 on order

Example part number

CPS-CG012-PG16-NP

Thread	Clamping Ø	AF	GL	H	Part number
PG7	3 – 6.5	15	6	19	CPS-CG012-PG7-NP
PG9	4 – 8	19	6	21	CPS-CG012-PG9-NP
PG11	5 – 10	22	6	22	CPS-CG012-PG11-NP
PG13.5	6 – 12	24	6.5	24	CPS-CG012-PG13.5-NP
PG16	10 – 14	27	6.5	26	CPS-CG012-PG16-NP
PG21	13 – 18	33	7	28	CPS-CG012-PG21-NP
PG25	14 – 26	36	7	30	CPS-CG012-PG25-NP
PG29	18 – 25	42	8	33	CPS-CG012-PG29-NP
PG36	22 – 32	53	8	38	CPS-CG012-PG36-NP
PG42	30 – 38	60	9	42	CPS-CG012-PG42-NP
PG48	34 – 44	65	10	46	CPS-CG012-PG48-NP

Dimensions in mm.

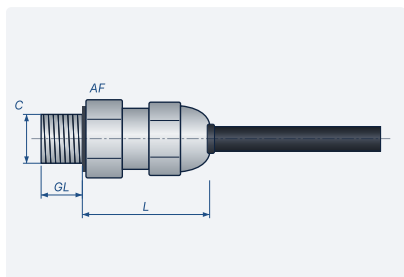
Stainless steel and EMC glands

For corrosive and hygienic sites, and for screened cables that need a full 360° screen contact.

Stainless steel cable gland, metric

AISI 316L · M12 to M63 · 8 part numbers

CPS-CG013



- Body and cap machined from 316L (1.4404)
- For food, beverage, marine, offshore and chemical plants
- TPE seal, IP68 to 5 bar, -40 °C to +100 °C
- Smooth surfaces for wash-down areas

Example part number

CPS-CG013-M20-SS

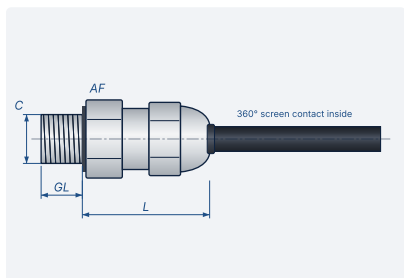
Thread	Clamping Ø	AF	GL	H	Part number
M12	3 – 6.5	15	6.5	19	CPS-CG013-M12-SS
M16	4 – 8	19	6.5	21	CPS-CG013-M16-SS
M20	6 – 12	24	6.5	24	CPS-CG013-M20-SS
M25	10 – 14	30	7	27	CPS-CG013-M25-SS
M32	13 – 18	36	8	32	CPS-CG013-M32-SS
M40	18 – 25	46	8	38	CPS-CG013-M40-SS
M50	22 – 32	55	10	42	CPS-CG013-M50-SS
M63	34 – 44	68	10	46	CPS-CG013-M63-SS

Dimensions in mm.

EMC brass cable gland, metric

Screened cables · M12 to M63 · 8 part numbers

CPS-CG014



- Contact spring grips the cable screen all round (360°)
- Low transfer impedance for EMC-compliant installations
- For VFD motor cables, data and instrument cables
- Nickel-plated brass, IP68

Example part number

CPS-CG014-M25-NP

Thread	Clamping Ø	AF	GL	H	Part number
M12	3 – 6.5	15	6.5	19	CPS-CG014-M12-NP
M16	4 – 8	19	6.5	21	CPS-CG014-M16-NP
M20	6 – 12	24	6.5	24	CPS-CG014-M20-NP
M25	10 – 14	30	7	27	CPS-CG014-M25-NP
M32	13 – 18	36	8	32	CPS-CG014-M32-NP
M40	18 – 25	46	8	38	CPS-CG014-M40-NP
M50	22 – 32	55	10	42	CPS-CG014-M50-NP
M63	34 – 44	68	10	46	CPS-CG014-M63-NP

Clamping Ø is the cable outer sheath. Strip the sheath over the spring length and fold the braid back. Dimensions in mm.

Brass cable glands, IP55

Economical brass glands with PG thread for indoor panels, distribution boards and lighting.

Brass cable gland with cable clamp, PG thread

IP55 · PG7 to PG48 · 11 part numbers

CPS-CG015



- Natural brass body
- Saddle clamp holds the cable against pull-out
- Rubber seal ring, IP55
- For indoor use

Example part number

CPS-CG015-PG21-BR

Thread	Clamping Ø	Part number
PG7	3 – 6	CPS-CG015-PG7-BR
PG9	6 – 9	CPS-CG015-PG9-BR
PG11	7 – 10	CPS-CG015-PG11-BR
PG13.5	8 – 12	CPS-CG015-PG13.5-BR
PG16	10 – 14	CPS-CG015-PG16-BR
PG21	14 – 20	CPS-CG015-PG21-BR
PG25	20 – 24	CPS-CG015-PG25-BR
PG29	24 – 29	CPS-CG015-PG29-BR
PG36	30 – 35	CPS-CG015-PG36-BR
PG42	35 – 40	CPS-CG015-PG42-BR
PG48	40 – 45	CPS-CG015-PG48-BR

Dimensions in mm.

Nickel-plated brass cable gland, PG thread

IP55 · PG7 to PG48 · 11 part numbers

CPS-CG016



- Nickel-plated brass body and cap
- Rubber seal ring, IP55
- Compact height for shallow enclosures

Example part number

CPS-CG016-PG13.5-NP

Thread	Clamping Ø	Part number
PG7	3 – 6	CPS-CG016-PG7-NP
PG9	6 – 9	CPS-CG016-PG9-NP
PG11	7 – 10	CPS-CG016-PG11-NP
PG13.5	8 – 12	CPS-CG016-PG13.5-NP
PG16	10 – 14	CPS-CG016-PG16-NP
PG21	14 – 20	CPS-CG016-PG21-NP
PG25	20 – 24	CPS-CG016-PG25-NP
PG29	24 – 29	CPS-CG016-PG29-NP
PG36	30 – 35	CPS-CG016-PG36-NP
PG42	35 – 40	CPS-CG016-PG42-NP
PG48	40 – 45	CPS-CG016-PG48-NP

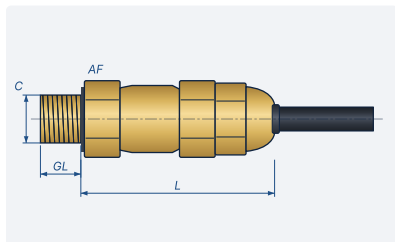
Dimensions in mm.

Armoured cable glands

Industrial glands for steel wire (SWA), aluminium wire (AWA), steel tape (STA) and braid armoured cables, safe area.

Armoured cable gland, outdoor, double seal 20S16 to 75 · 26 part numbers

CPS-CG021



- Inner seal on the bedding, outer seal on the sheath
- Armour clamped by cone and ring: earth continuity to EN 62444
- IP66 / IP68; brass -BR or nickel-plated -NP
- PVC or LSZH shroud CPS-CG051 and earth tag CPS-CG052 on order

Example part number

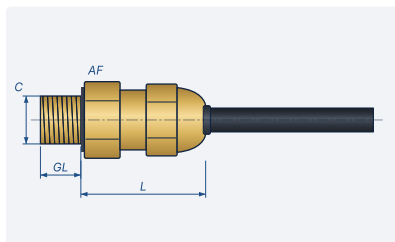
CPS-CG021-25-BR

Size	Entry	Inner Ø	Outer Ø	Armour	AF	L	Brass	Nickel-plated
20S16	M20	3.1 – 8.6	6.1 – 11.5	0.8-1.25	24	52	CPS-CG021-20S16-BR	CPS-CG021-20S16-NP
20S	M20	6.1 – 11.6	9.5 – 15.9	0.8-1.25	24	55	CPS-CG021-20S-BR	CPS-CG021-20S-NP
20	M20	6.5 – 13.9	12.5 – 20.9	0.8-1.25	30	58	CPS-CG021-20-BR	CPS-CG021-20-NP
25S	M25	11.1 – 19.9	14 – 22	1.25-1.6	36	62	CPS-CG021-25S-BR	CPS-CG021-25S-NP
25	M25	11.1 – 19.9	18.2 – 26.2	1.25-1.6	36	64	CPS-CG021-25-BR	CPS-CG021-25-NP
32	M32	17 – 26.2	23.7 – 33.9	1.6-2.0	46	70	CPS-CG021-32-BR	CPS-CG021-32-NP
40	M40	22 – 32.1	27.9 – 40.4	1.6-2.0	55	76	CPS-CG021-40-BR	CPS-CG021-40-NP
50S	M50	28.2 – 38.1	35.2 – 46.7	2.0-2.5	60	82	CPS-CG021-50S-BR	CPS-CG021-50S-NP
50	M50	33.6 – 44	40.4 – 53	2.0-2.5	70	86	CPS-CG021-50-BR	CPS-CG021-50-NP
63S	M63	39.6 – 50	45.6 – 59.4	2.0-2.5	75	90	CPS-CG021-63S-BR	CPS-CG021-63S-NP
63	M63	46 – 56	54.6 – 65.8	2.5-3.15	80	94	CPS-CG021-63-BR	CPS-CG021-63-NP
75S	M75	52 – 62	59 – 72.1	2.5-3.15	90	98	CPS-CG021-75S-BR	CPS-CG021-75S-NP
75	M75	58 – 68	66.7 – 78.5	2.5-3.15	100	102	CPS-CG021-75-BR	CPS-CG021-75-NP

Ø ranges in mm: inner = bedding under the armour, outer = cable sheath. Armour = wire diameter or tape range in mm. AF and L in mm.

Armoured cable gland, indoor, single seal 20S16 to 75 · 26 part numbers

CPS-CG022



- Outer seal on the sheath, armour clamped by cone and ring
- For dry indoor sites: switch rooms, MCC and plant rooms
- IP66; brass -BR or nickel-plated -NP

Example part number

CPS-CG022-32-BR

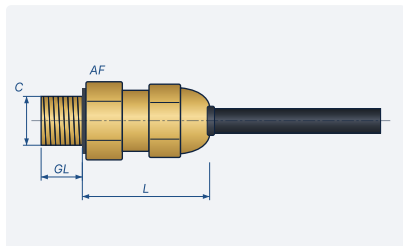
Size	Entry	Inner Ø	Outer Ø	Armour	AF	L	Brass	Nickel-plated
20S16	M20	3.1 – 8.6	6.1 – 11.5	0.8-1.25	24	52	CPS-CG022-20S16-BR	CPS-CG022-20S16-NP
20S	M20	6.1 – 11.6	9.5 – 15.9	0.8-1.25	24	55	CPS-CG022-20S-BR	CPS-CG022-20S-NP
20	M20	6.5 – 13.9	12.5 – 20.9	0.8-1.25	30	58	CPS-CG022-20-BR	CPS-CG022-20-NP
25S	M25	11.1 – 19.9	14 – 22	1.25-1.6	36	62	CPS-CG022-25S-BR	CPS-CG022-25S-NP
25	M25	11.1 – 19.9	18.2 – 26.2	1.25-1.6	36	64	CPS-CG022-25-BR	CPS-CG022-25-NP
32	M32	17 – 26.2	23.7 – 33.9	1.6-2.0	46	70	CPS-CG022-32-BR	CPS-CG022-32-NP
40	M40	22 – 32.1	27.9 – 40.4	1.6-2.0	55	76	CPS-CG022-40-BR	CPS-CG022-40-NP
50S	M50	28.2 – 38.1	35.2 – 46.7	2.0-2.5	60	82	CPS-CG022-50S-BR	CPS-CG022-50S-NP
50	M50	33.6 – 44	40.4 – 53	2.0-2.5	70	86	CPS-CG022-50-BR	CPS-CG022-50-NP
63S	M63	39.6 – 50	45.6 – 59.4	2.0-2.5	75	90	CPS-CG022-63S-BR	CPS-CG022-63S-NP
63	M63	46 – 56	54.6 – 65.8	2.5-3.15	80	94	CPS-CG022-63-BR	CPS-CG022-63-NP
75S	M75	52 – 62	59 – 72.1	2.5-3.15	90	98	CPS-CG022-75S-BR	CPS-CG022-75S-NP
75	M75	58 – 68	66.7 – 78.5	2.5-3.15	100	102	CPS-CG022-75-BR	CPS-CG022-75-NP

Same sizes and ranges as CPS-CG021. Dimensions in mm.

Industrial glands and shrouds

Unarmoured industrial glands in the same sizes as the armoured range, and shrouds that close the armoured gland against weather and dirt.

Unarmoured industrial cable gland, single seal 20S16 to 75 · 26 part numbers

CPS-CG023


- For unarmoured, braided or screened cables
- Displacement seal on the outer sheath, IP66 / IP68
- Brass -BR or nickel-plated -NP

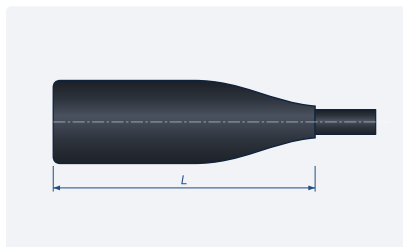
Example part number

CPS-CG023-20-NP

Size	Entry	Outer Ø	AF	L	Brass	Nickel-plated
20S16	M20	6.1 – 11.5	24	52	CPS-CG023-20S16-BR	CPS-CG023-20S16-NP
20S	M20	9.5 – 15.9	24	55	CPS-CG023-20S-BR	CPS-CG023-20S-NP
20	M20	12.5 – 20.9	30	58	CPS-CG023-20-BR	CPS-CG023-20-NP
25S	M25	14 – 22	36	62	CPS-CG023-25S-BR	CPS-CG023-25S-NP
25	M25	18.2 – 26.2	36	64	CPS-CG023-25-BR	CPS-CG023-25-NP
32	M32	23.7 – 33.9	46	70	CPS-CG023-32-BR	CPS-CG023-32-NP
40	M40	27.9 – 40.4	55	76	CPS-CG023-40-BR	CPS-CG023-40-NP
50S	M50	35.2 – 46.7	60	82	CPS-CG023-50S-BR	CPS-CG023-50S-NP
50	M50	40.4 – 53	70	86	CPS-CG023-50-BR	CPS-CG023-50-NP
63S	M63	45.6 – 59.4	75	90	CPS-CG023-63S-BR	CPS-CG023-63S-NP
63	M63	54.6 – 65.8	80	94	CPS-CG023-63-BR	CPS-CG023-63-NP
75S	M75	59 – 72.1	90	98	CPS-CG023-75S-BR	CPS-CG023-75S-NP
75	M75	66.7 – 78.5	100	102	CPS-CG023-75-BR	CPS-CG023-75-NP

Outer Ø = cable sheath range in mm. AF and L in mm.

Shroud for armoured cable glands 20S16 to 75 · 26 part numbers

CPS-CG051


- Slides over the gland body after fitting
- Black PVC -PV or LSZH -LS
- Keeps water and dirt off the armour clamp

Example part number

CPS-CG051-25-LS

Size	Entry	Outer Ø	PVC	LSZH
20S16	M20	6.1 – 11.5	CPS-CG051-20S16-PV	CPS-CG051-20S16-LS
20S	M20	9.5 – 15.9	CPS-CG051-20S-PV	CPS-CG051-20S-LS
20	M20	12.5 – 20.9	CPS-CG051-20-PV	CPS-CG051-20-LS
25S	M25	14 – 22	CPS-CG051-25S-PV	CPS-CG051-25S-LS
25	M25	18.2 – 26.2	CPS-CG051-25-PV	CPS-CG051-25-LS
32	M32	23.7 – 33.9	CPS-CG051-32-PV	CPS-CG051-32-LS
40	M40	27.9 – 40.4	CPS-CG051-40-PV	CPS-CG051-40-LS
50S	M50	35.2 – 46.7	CPS-CG051-50S-PV	CPS-CG051-50S-LS
50	M50	40.4 – 53	CPS-CG051-50-PV	CPS-CG051-50-LS
63S	M63	45.6 – 59.4	CPS-CG051-63S-PV	CPS-CG051-63S-LS
63	M63	54.6 – 65.8	CPS-CG051-63-PV	CPS-CG051-63-LS
75S	M75	59 – 72.1	CPS-CG051-75S-PV	CPS-CG051-75S-LS
75	M75	66.7 – 78.5	CPS-CG051-75-PV	CPS-CG051-75-LS

Choose the shroud with the same size as the gland. Dimensions in mm.

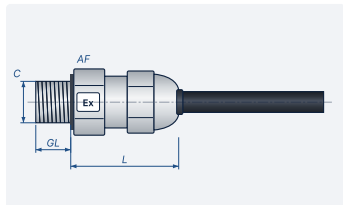
Ex d / Ex e cable glands

Explosion-protected glands for gas Zones 1 and 2 and dust Zones 21 and 22: oil and gas, petrochemical, chemical, mining and power plants.

GAS	DUST	PROTECTION	TEMPERATURE
II 2G Ex db IIC Gb · Ex eb IIC Gb	II 2D Ex tb IIIC Db	IP66 / IP68	-60 °C to +130 °C

Ex d / Ex e unarmoured cable gland 20S16 to 75 · 39 part numbers

CPS-CG031



- For unarmoured and braided cables
- Displacement seal on the outer sheath
- Brass -BR, nickel-plated -NP or 316L -SS

Example part number

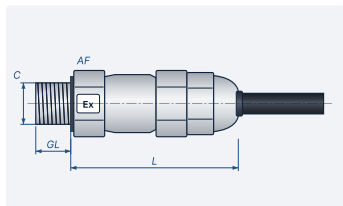
CPS-CG031-20-NP

Size	Entry	Outer Ø	AF	L	Brass	Nickel-plated	Stainless 316L
20S16	M20	6.1 – 11.5	24	52	CPS-CG031-20S16-BR	CPS-CG031-20S16-NP	CPS-CG031-20S16-SS
20S	M20	9.5 – 15.9	24	55	CPS-CG031-20S-BR	CPS-CG031-20S-NP	CPS-CG031-20S-SS
20	M20	12.5 – 20.9	30	58	CPS-CG031-20-BR	CPS-CG031-20-NP	CPS-CG031-20-SS
25S	M25	14 – 22	36	62	CPS-CG031-25S-BR	CPS-CG031-25S-NP	CPS-CG031-25S-SS
25	M25	18.2 – 26.2	36	64	CPS-CG031-25-BR	CPS-CG031-25-NP	CPS-CG031-25-SS
32	M32	23.7 – 33.9	46	70	CPS-CG031-32-BR	CPS-CG031-32-NP	CPS-CG031-32-SS
40	M40	27.9 – 40.4	55	76	CPS-CG031-40-BR	CPS-CG031-40-NP	CPS-CG031-40-SS
50S	M50	35.2 – 46.7	60	82	CPS-CG031-50S-BR	CPS-CG031-50S-NP	CPS-CG031-50S-SS
50	M50	40.4 – 53	70	86	CPS-CG031-50-BR	CPS-CG031-50-NP	CPS-CG031-50-SS
63S	M63	45.6 – 59.4	75	90	CPS-CG031-63S-BR	CPS-CG031-63S-NP	CPS-CG031-63S-SS
63	M63	54.6 – 65.8	80	94	CPS-CG031-63-BR	CPS-CG031-63-NP	CPS-CG031-63-SS
75S	M75	59 – 72.1	90	98	CPS-CG031-75S-BR	CPS-CG031-75S-NP	CPS-CG031-75S-SS
75	M75	66.7 – 78.5	100	102	CPS-CG031-75-BR	CPS-CG031-75-NP	CPS-CG031-75-SS

Outer Ø = cable sheath range in mm.

Ex d / Ex e armoured cable gland, double seal 20S16 to 75 · 39 part numbers

CPS-CG032



- Inner and outer seal, armour clamped for earth continuity
- For SWA, AWA, STA and braid armoured cables
- Brass -BR, nickel-plated -NP or 316L -SS

Example part number

CPS-CG032-32-NP

Size	Entry	Inner Ø	Outer Ø	Armour	AF	L	Brass	Nickel-plated	Stainless 316L
20S16	M20	3.1 – 8.6	6.1 – 11.5	0.8-1.25	24	52	CPS-CG032-20S16-BR	CPS-CG032-20S16-NP	CPS-CG032-20S16-SS
20S	M20	6.1 – 11.6	9.5 – 15.9	0.8-1.25	24	55	CPS-CG032-20S-BR	CPS-CG032-20S-NP	CPS-CG032-20S-SS
20	M20	6.5 – 13.9	12.5 – 20.9	0.8-1.25	30	58	CPS-CG032-20-BR	CPS-CG032-20-NP	CPS-CG032-20-SS
25S	M25	11.1 – 19.9	14 – 22	1.25-1.6	36	62	CPS-CG032-25S-BR	CPS-CG032-25S-NP	CPS-CG032-25S-SS
25	M25	11.1 – 19.9	18.2 – 26.2	1.25-1.6	36	64	CPS-CG032-25-BR	CPS-CG032-25-NP	CPS-CG032-25-SS
32	M32	17 – 26.2	23.7 – 33.9	1.6-2.0	46	70	CPS-CG032-32-BR	CPS-CG032-32-NP	CPS-CG032-32-SS
40	M40	22 – 32.1	27.9 – 40.4	1.6-2.0	55	76	CPS-CG032-40-BR	CPS-CG032-40-NP	CPS-CG032-40-SS
50S	M50	28.2 – 38.1	35.2 – 46.7	2.0-2.5	60	82	CPS-CG032-50S-BR	CPS-CG032-50S-NP	CPS-CG032-50S-SS
50	M50	33.6 – 44	40.4 – 53	2.0-2.5	70	86	CPS-CG032-50-BR	CPS-CG032-50-NP	CPS-CG032-50-SS
63S	M63	39.6 – 50	45.6 – 59.4	2.0-2.5	75	90	CPS-CG032-63S-BR	CPS-CG032-63S-NP	CPS-CG032-63S-SS
63	M63	46 – 56	54.6 – 65.8	2.5-3.15	80	94	CPS-CG032-63-BR	CPS-CG032-63-NP	CPS-CG032-63-SS
75S	M75	52 – 62	59 – 72.1	2.5-3.15	90	98	CPS-CG032-75S-BR	CPS-CG032-75S-NP	CPS-CG032-75S-SS
75	M75	58 – 68	66.7 – 78.5	2.5-3.15	100	102	CPS-CG032-75-BR	CPS-CG032-75-NP	CPS-CG032-75-SS

Ø ranges in mm: inner = bedding under the armour, outer = cable sheath. Armour = wire diameter or tape range in mm. AF and L in mm.

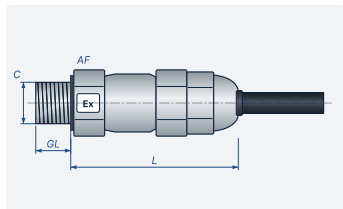
Ex barrier glands and Ex guide

Compound-filled barrier glands for flameproof enclosures, and how to read the Ex marking.

Ex d barrier cable gland, compound filled, armoured

20S16 to 75 · 39 part numbers

CPS-CG033



- Each conductor is sealed in setting compound: a flameproof barrier
- For Ex d enclosures where IEC 60079-14 requires a barrier seal
- Armour clamped for earth continuity, outer seal IP66 / IP68
- Compound pack supplied with each gland

Example part number

CPS-CG033-25-NP

Size	Entry	Inner Ø	Outer Ø	Armour	AF	L	Brass	Nickel-plated	Stainless 316L
20S16	M20	3.1 – 8.6	6.1 – 11.5	0.8-1.25	24	52	CPS-CG033-20S16-BR	CPS-CG033-20S16-NP	CPS-CG033-20S16-SS
20S	M20	6.1 – 11.6	9.5 – 15.9	0.8-1.25	24	55	CPS-CG033-20S-BR	CPS-CG033-20S-NP	CPS-CG033-20S-SS
20	M20	6.5 – 13.9	12.5 – 20.9	0.8-1.25	30	58	CPS-CG033-20-BR	CPS-CG033-20-NP	CPS-CG033-20-SS
25S	M25	11.1 – 19.9	14 – 22	1.25-1.6	36	62	CPS-CG033-25S-BR	CPS-CG033-25S-NP	CPS-CG033-25S-SS
25	M25	11.1 – 19.9	18.2 – 26.2	1.25-1.6	36	64	CPS-CG033-25-BR	CPS-CG033-25-NP	CPS-CG033-25-SS
32	M32	17 – 26.2	23.7 – 33.9	1.6-2.0	46	70	CPS-CG033-32-BR	CPS-CG033-32-NP	CPS-CG033-32-SS
40	M40	22 – 32.1	27.9 – 40.4	1.6-2.0	55	76	CPS-CG033-40-BR	CPS-CG033-40-NP	CPS-CG033-40-SS
50S	M50	28.2 – 38.1	35.2 – 46.7	2.0-2.5	60	82	CPS-CG033-50S-BR	CPS-CG033-50S-NP	CPS-CG033-50S-SS
50	M50	33.6 – 44	40.4 – 53	2.0-2.5	70	86	CPS-CG033-50-BR	CPS-CG033-50-NP	CPS-CG033-50-SS
63S	M63	39.6 – 50	45.6 – 59.4	2.0-2.5	75	90	CPS-CG033-63S-BR	CPS-CG033-63S-NP	CPS-CG033-63S-SS
63	M63	46 – 56	54.6 – 65.8	2.5-3.15	80	94	CPS-CG033-63-BR	CPS-CG033-63-NP	CPS-CG033-63-SS
75S	M75	52 – 62	59 – 72.1	2.5-3.15	90	98	CPS-CG033-75S-BR	CPS-CG033-75S-NP	CPS-CG033-75S-SS
75	M75	58 – 68	66.7 – 78.5	2.5-3.15	100	102	CPS-CG033-75-BR	CPS-CG033-75-NP	CPS-CG033-75-SS

Ø ranges in mm: inner = bedding under the armour, outer = cable sheath. Armour = wire diameter or tape range in mm. AF and L in mm.

Hazardous area zones

Zone	Atmosphere	CASK glands
Zone 1	Gas likely in normal operation	Ex d / Ex e glands
Zone 2	Gas not likely, short periods only	Ex d / Ex e glands
Zone 21	Dust likely in normal operation	Ex d / Ex e glands, Ex tb
Zone 22	Dust not likely, short periods only	Ex d / Ex e glands, Ex tb

Reading the Ex marking

Mark	Meaning
II	Equipment group II: surface industries (not mining)
2G / 2D	Category 2: gas (G) or dust (D), Zones 1 / 21 and 2 / 22
Ex db	Flameproof: the gland keeps an internal explosion inside the enclosure
Ex eb	Increased safety: no sparks, no hot surfaces
Ex tb	Dust protection by enclosure
IIC	Gas group IIC (hydrogen, acetylene); also covers IIB and IIA
IIIC	Dust group IIIC: conductive dust; also covers IIIB and IIIA
Gb / Db	Equipment protection level for Zone 1 / Zone 21

Select glands to IEC 60079-14 for the zone, gas group and temperature class of the site. The gland marking must match the enclosure.

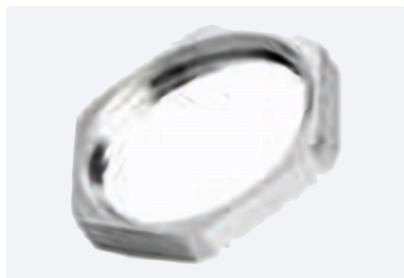
Lock nuts, brass

Nickel-plated brass lock nuts for fixing glands in clearance holes, metric and PG.

Lock nut, nickel-plated brass, metric

M12 to M75 · 9 part numbers

CPS-CG041



- Brass, nickel plated
- Serrated face bites into painted panels for earth contact
- Metric ISO thread, 1.5 mm pitch

Example part number

CPS-CG041-M20-NP

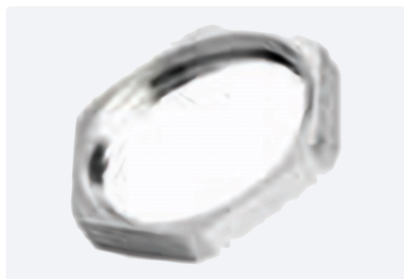
Thread	AF	Thickness	Part number
M12	15	4	CPS-CG041-M12-NP
M16	19	4	CPS-CG041-M16-NP
M20	24	4.5	CPS-CG041-M20-NP
M25	30	5	CPS-CG041-M25-NP
M32	36	5	CPS-CG041-M32-NP
M40	46	6	CPS-CG041-M40-NP
M50	55	6	CPS-CG041-M50-NP
M63	68	7	CPS-CG041-M63-NP
M75	85	8	CPS-CG041-M75-NP

Dimensions in mm.

Lock nut, nickel-plated brass, PG thread

PG7 to PG48 · 10 part numbers

CPS-CG042



- PG thread to DIN 40430
- Brass, nickel plated

Example part number

CPS-CG042-PG16-NP

Thread	AF	Thickness	Part number
PG7	15	4	CPS-CG042-PG7-NP
PG9	19	4	CPS-CG042-PG9-NP
PG11	22	4	CPS-CG042-PG11-NP
PG13.5	24	4.5	CPS-CG042-PG13.5-NP
PG16	27	5	CPS-CG042-PG16-NP
PG21	33	5	CPS-CG042-PG21-NP
PG29	42	5.5	CPS-CG042-PG29-NP
PG36	53	6	CPS-CG042-PG36-NP
PG42	60	6	CPS-CG042-PG42-NP
PG48	65	7	CPS-CG042-PG48-NP

Dimensions in mm.

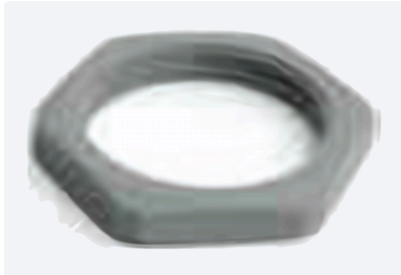
Lock nuts, polyamide

Polyamide lock nuts in grey and black for polyamide glands and plastic enclosures.

Lock nut, polyamide, metric

M12 to M63 · 16 part numbers

CPS-CG043



- PA 6, UL 94 V-2
- Grey -GY or black -BK
- Metric ISO thread, 1.5 mm pitch

Example part number

CPS-CG043-M25-BK

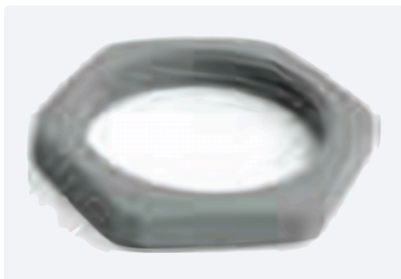
Thread	AF	Thickness	Grey	Black
M12	15	4	CPS-CG043-M12-GY	CPS-CG043-M12-BK
M16	19	4	CPS-CG043-M16-GY	CPS-CG043-M16-BK
M20	24	4.5	CPS-CG043-M20-GY	CPS-CG043-M20-BK
M25	30	5	CPS-CG043-M25-GY	CPS-CG043-M25-BK
M32	36	5	CPS-CG043-M32-GY	CPS-CG043-M32-BK
M40	46	6	CPS-CG043-M40-GY	CPS-CG043-M40-BK
M50	55	6	CPS-CG043-M50-GY	CPS-CG043-M50-BK
M63	68	7	CPS-CG043-M63-GY	CPS-CG043-M63-BK

Dimensions in mm.

Lock nut, polyamide, PG thread

PG7 to PG48 · 20 part numbers

CPS-CG044



- PA 6, UL 94 V-2
- Grey -GY or black -BK
- PG thread to DIN 40430

Example part number

CPS-CG044-PG9-GY

Thread	AF	Thickness	Grey	Black
PG7	15	4	CPS-CG044-PG7-GY	CPS-CG044-PG7-BK
PG9	19	4	CPS-CG044-PG9-GY	CPS-CG044-PG9-BK
PG11	22	4	CPS-CG044-PG11-GY	CPS-CG044-PG11-BK
PG13.5	24	4.5	CPS-CG044-PG13.5-GY	CPS-CG044-PG13.5-BK
PG16	27	5	CPS-CG044-PG16-GY	CPS-CG044-PG16-BK
PG21	33	5	CPS-CG044-PG21-GY	CPS-CG044-PG21-BK
PG29	42	5.5	CPS-CG044-PG29-GY	CPS-CG044-PG29-BK
PG36	53	6	CPS-CG044-PG36-GY	CPS-CG044-PG36-BK
PG42	60	6	CPS-CG044-PG42-GY	CPS-CG044-PG42-BK
PG48	65	7	CPS-CG044-PG48-GY	CPS-CG044-PG48-BK

Dimensions in mm.

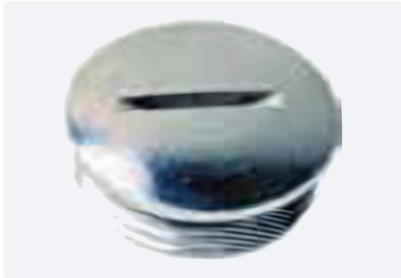
Blanking plugs, brass

Close unused entries and keep the enclosure rating.

Blanking plug, nickel-plated brass, metric

M12 to M63 · 8 part numbers

CPS-CG045



- Brass, nickel plated, slotted head
- O-ring seal, IP68

Example part number
CPS-CG045-M20-NP

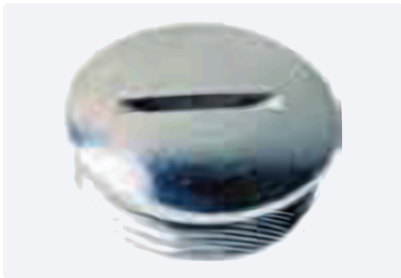
Thread	Head Ø	GL	Part number
M12	15	8	CPS-CG045-M12-NP
M16	19	8	CPS-CG045-M16-NP
M20	24	9	CPS-CG045-M20-NP
M25	30	9	CPS-CG045-M25-NP
M32	38	10	CPS-CG045-M32-NP
M40	48	10	CPS-CG045-M40-NP
M50	58	11	CPS-CG045-M50-NP
M63	72	12	CPS-CG045-M63-NP

Dimensions in mm.

Blanking plug, nickel-plated brass, PG thread

PG7 to PG48 · 10 part numbers

CPS-CG046



- PG thread to DIN 40430
- O-ring seal, IP68

Example part number
CPS-CG046-PG21-NP

Thread	Head Ø	GL	Part number
PG7	15	8	CPS-CG046-PG7-NP
PG9	19	8	CPS-CG046-PG9-NP
PG11	22	8	CPS-CG046-PG11-NP
PG13.5	24	9	CPS-CG046-PG13.5-NP
PG16	27	9	CPS-CG046-PG16-NP
PG21	33	10	CPS-CG046-PG21-NP
PG29	42	10	CPS-CG046-PG29-NP
PG36	53	11	CPS-CG046-PG36-NP
PG42	60	11	CPS-CG046-PG42-NP
PG48	65	12	CPS-CG046-PG48-NP

Dimensions in mm.

Blanking plugs, polyamide

Polyamide plugs in grey and black for polyamide glands and plastic enclosures.

Blanking plug, polyamide, metric

M12 to M63 · 16 part numbers

CPS-CG047



- PA 6, UL 94 V-2, slotted head
- Grey -GY or black -BK
- O-ring seal, IP68

Example part number

CPS-CG047-M20-GY

Thread	Head Ø	GL	Grey	Black
M12	15	8	CPS-CG047-M12-GY	CPS-CG047-M12-BK
M16	19	8	CPS-CG047-M16-GY	CPS-CG047-M16-BK
M20	24	9	CPS-CG047-M20-GY	CPS-CG047-M20-BK
M25	30	9	CPS-CG047-M25-GY	CPS-CG047-M25-BK
M32	38	10	CPS-CG047-M32-GY	CPS-CG047-M32-BK
M40	48	10	CPS-CG047-M40-GY	CPS-CG047-M40-BK
M50	58	11	CPS-CG047-M50-GY	CPS-CG047-M50-BK
M63	72	12	CPS-CG047-M63-GY	CPS-CG047-M63-BK

Dimensions in mm.

Blanking plug, polyamide, PG thread

PG7 to PG36 · 16 part numbers

CPS-CG048



- PA 6, grey -GY or black -BK
- PG thread to DIN 40430
- O-ring seal, IP68

Example part number

CPS-CG048-PG13.5-BK

Thread	Head Ø	GL	Grey	Black
PG7	15	8	CPS-CG048-PG7-GY	CPS-CG048-PG7-BK
PG9	19	8	CPS-CG048-PG9-GY	CPS-CG048-PG9-BK
PG11	22	8	CPS-CG048-PG11-GY	CPS-CG048-PG11-BK
PG13.5	24	9	CPS-CG048-PG13.5-GY	CPS-CG048-PG13.5-BK
PG16	27	9	CPS-CG048-PG16-GY	CPS-CG048-PG16-BK
PG21	33	10	CPS-CG048-PG21-GY	CPS-CG048-PG21-BK
PG29	42	10	CPS-CG048-PG29-GY	CPS-CG048-PG29-BK
PG36	53	11	CPS-CG048-PG36-GY	CPS-CG048-PG36-BK

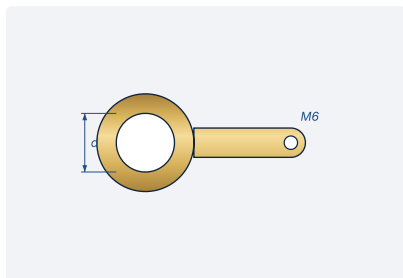
Dimensions in mm.

Earth tags and sealing washers

Small parts that complete every gland installation.

Earth tag, brass M20 to M75 · 14 part numbers

CPS-CG052



- Fits between gland and enclosure wall
- M6 earth stud hole for the armour earth lead
- Brass -BR or nickel-plated -NP

Example part number

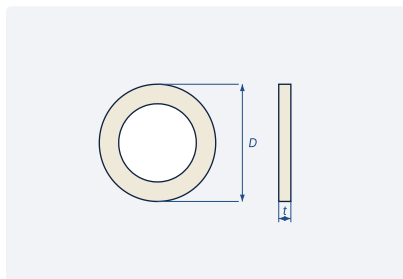
CPS-CG052-M25-BR

Thread	Hole Ø	Outer Ø	Earth stud	Brass	Nickel-plated
M20	20.5	40	M6	CPS-CG052-M20-BR	CPS-CG052-M20-NP
M25	25.5	47	M6	CPS-CG052-M25-BR	CPS-CG052-M25-NP
M32	32.5	55	M6	CPS-CG052-M32-BR	CPS-CG052-M32-NP
M40	40.5	64	M6	CPS-CG052-M40-BR	CPS-CG052-M40-NP
M50	50.5	76	M6	CPS-CG052-M50-BR	CPS-CG052-M50-NP
M63	63.5	90	M6	CPS-CG052-M63-BR	CPS-CG052-M63-NP
M75	75.5	104	M6	CPS-CG052-M75-BR	CPS-CG052-M75-NP

Dimensions in mm.

Sealing washer, polyamide M12 to M75 · 9 part numbers

CPS-CG053



- Polyamide 6.6, natural
- Seals the entry between gland and enclosure for IP68

Example part number

CPS-CG053-M32-NY

Thread	Inner Ø	Outer Ø	Thickness	Part number
M12	12.2	18	1.5	CPS-CG053-M12-NY
M16	16.2	22	1.5	CPS-CG053-M16-NY
M20	20.2	27	1.5	CPS-CG053-M20-NY
M25	25.2	33	2	CPS-CG053-M25-NY
M32	32.2	41	2	CPS-CG053-M32-NY
M40	40.2	50	2	CPS-CG053-M40-NY
M50	50.2	61	2.5	CPS-CG053-M50-NY
M63	63.2	76	2.5	CPS-CG053-M63-NY
M75	75.2	89	3	CPS-CG053-M75-NY

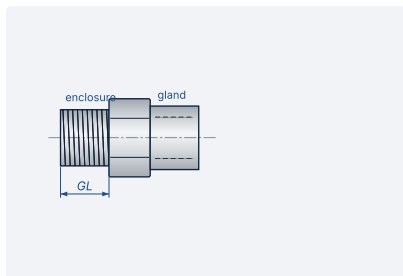
Dimensions in mm.

Adaptors and grommets

Fit glands to different entries, or close large openings for cables.

Thread reducer and adaptor, nickel-plated brass 12 part numbers

CPS-CG054



- Reducer: fits a smaller gland in a larger entry
- Adaptor: fits a metric gland in a PG entry
- Brass, nickel plated, with O-ring

Example part number

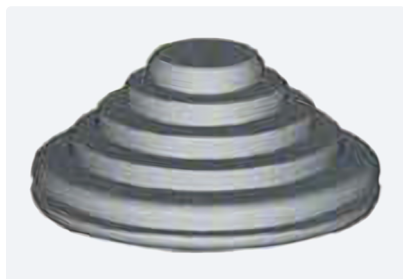
CPS-CG054-M25-M20-NP

Enclosure (male)	Gland (female)	Part number
M20	M16	CPS-CG054-M20-M16-NP
M25	M20	CPS-CG054-M25-M20-NP
M32	M25	CPS-CG054-M32-M25-NP
M40	M32	CPS-CG054-M40-M32-NP
M50	M40	CPS-CG054-M50-M40-NP
M63	M50	CPS-CG054-M63-M50-NP
PG13.5	M20	CPS-CG054-PG13.5-M20-NP
PG16	M20	CPS-CG054-PG16-M20-NP
PG21	M25	CPS-CG054-PG21-M25-NP
PG29	M32	CPS-CG054-PG29-M32-NP
PG36	M40	CPS-CG054-PG36-M40-NP
PG42	M50	CPS-CG054-PG42-M50-NP

The first thread is the enclosure side.

Stepped rubber grommet PG13.5 to PG42 · 6 part numbers

CPS-CG049



- EPDM rubber, grey
- Cut the step to the cable size
- Push-in fit, no lock nut needed

Example part number

CPS-CG049-PG21-RG

Size	Mounting hole Ø	Part number
PG13.5	17	CPS-CG049-PG13.5-RG
PG16	22.8	CPS-CG049-PG16-RG
PG21	28.6	CPS-CG049-PG21-RG
PG29	37.3	CPS-CG049-PG29-RG
PG36	47	CPS-CG049-PG36-RG
PG42	55	CPS-CG049-PG42-RG

Dimensions in mm.

Selection and installation

Choose the gland in four steps, then fit it correctly.

Panels and machines

Control and power cables indoors and outdoors, IP68.

Polyamide CG001 / CG002

Industry and outdoor

Motors, pumps, junction boxes, solar and lighting.

Brass CG011 / CG012

Corrosive or hygienic

Food, marine, offshore, chemical and water plants.

Stainless steel CG013

Drives and data

Screened VFD, instrument and data cables.

EMC gland CG014

Armoured cables

SWA, AWA, STA and braid armoured power cables.

Armoured CG021 / CG022

Hazardous areas

Zones 1, 2, 21 and 22: gas and dust.

Ex glands CG031 / CG032 / CG033

Choosing the right gland

- 1**

Cable diameter

Measure the outer sheath, and for armoured cables the bedding and armour too. The cable must sit inside the clamping range.
- 2**

Entry thread

Match the enclosure entry: metric, PG or NPT. Use a reducer or adaptor CG054 for a different size.
- 3**

Material

Choose polyamide, brass, nickel-plated brass or 316L for the site, using the table below.
- 4**

Area

Safe area: standard glands. Zones 1, 2, 21, 22: Ex glands with the right marking for the gas and dust group.

Material guide

Material	Temperature °C	Corrosion	Chemicals	Typical use
Polyamide	-40 to +100	Good	Fair	Panels, machines, solar
Nickel-plated brass	-40 to +100	Very good	Good	Industry, outdoor
Brass	-40 to +100	Good	Fair	Dry indoor sites
Stainless steel 316L	-60 to +130	Excellent	Excellent	Marine, chemical, food

Correct installation

- 1**

Prepare the entry

Drill the clearance hole or check the tapped thread. Fit the sealing washer CG053 for IP68.
- 2**

Fit the body

Screw in the gland body and tighten the lock nut from inside. Add the earth tag CG052 where the armour must be earthed.
- 3**

Prepare the cable

Strip the sheath to the right length. For armoured cables, spread the armour over the cone.
- 4**

Tighten

Hold the body with a spanner and tighten the cap until the seal grips the cable. Do not over-tighten.

PRODUCT CATALOGUE 2026

Cable Glands

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