



Euro Series Cable Glands



Introduction to Cable Gland

Functions of Cable Gland

Cable Gland is a device designed to ease the entry of a cable, flexible cable or insulated conductor into an enclosure.

Provide a holding force on the cable to ensure adequate levels of cable pull-out resistance, and prevent lateral and axial loads being applied to the internal cable conductor terminations.

Provide additional sealing on the part of the cable entering the enclosure, when a high degree of ingress protection is required.

Provide additional environmental sealing at the cable entry point, maintaining the ingress protection rating of the enclosure and cable gland combination, with the selection of applicable accessories dedicated to performing this function.

Product Design & Construction

Raychem RPG Cable glands are designed for use with all types of electrical power, control, instrumentation, data telecommunications cables & fire rated Cables.

They are used as a sealing and termination device to ensure that the characteristics of the enclosure which the cable enters can be maintained adequately.

Sealing Mechanism

Sealing the cable from dust and moisture ensuring maximum protection to the enclosure is the most significant feature of cable glands. At Raychem RPG, we use the optimum rubber material to offer efficient sealing.

Plastic Insert

Plastic insert and seal terminates and secured the cable outer sheath and grips it ensuring mechanical strength.

Exploded View

Dome nut ergonomically designed. The gripping surfaces are generously dimensioned for wrenches.

EPDM sealing for a hermetic seal.

Lamellar design for optimum strain relief and protection of the cable

Water tight seal

Integral sealing ridges for a water tight junction with the housing.



Approvals:



Raychem RPG manufactured Cable Glands by REACH regulation (EC 1907/2006) which aims to improve the protection of human health and the environment through the better and earlier identification of the intrinsic properties of chemical substances.



Raychem RPG manufactured Cable Glands & related accessories are ROHS compliant in accordance with RoHS directive 2015/863 (COMMISSION DELEGATED DIRECTIVE (EU)): RoHS 3 its subsequent amendment directives & is tested for the presence Of Lead (Pb), Cadmium (Cd), Mercury (Hg) Hexavalent Chromium (Hex-Cr), Polybrominated Biphenyl (PBB) and Poly brominated Diphenyl Ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), Disobutyl phthalate (DIBP) and observed no dangerous substance.



Raychem RPG industrial cable are CE Approved As per Applicable Low Voltage directive 2014/35/EU and Applicable Standard IEC 62444:2010. The CE marking indicates a product's compliance with EU Legislation and so enables the free movement of products within the European market. By affixing the CE marking to a product, a manufacturer declares, on his sole responsibility, that the product meets all the legal requirements for the CE marking, which means that the product can be sold throughout The European Economic Area.

Technical Data :

Material :	Brass, Brass nickel plating
Sealing :	EPDM
Clamping insert :	PA 66
Oring :	EPDM
Seal operating Temperature :	-40°C to +100°C
Thread type :	<ul style="list-style-type: none"> • Metric (M) Pitch 1.5 (Also available with long thread length) • PG thread • NPT thread
Degree of protection :	IP 68 (5 bar 30 min)
Mechanical strength :	<ul style="list-style-type: none"> • Dynamic strain stability • High strain relief (DIN EN 62444 Tab. 2A)
Accessories :	Lock nut

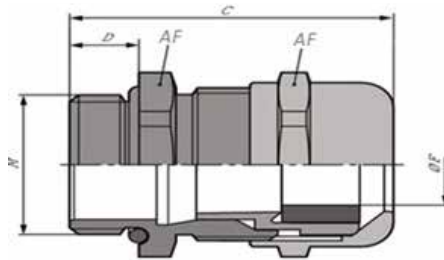


Benefits:

- Highly reliable.
- High quality strain relief and sealing.
- Good performance for standard industrial application.
- Easy assembly install cable gland – insert cable – tighten cap.

Applications:

- For metal machines and housing.
- For standard industrial applications in harsh environments.
- Machine and equipment manufacturing.
- Chemical industries.



SHORT THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
RESM-12	M12 x 1.5	5	3.0-7.0	4	16	23-30
RESM-16	M16 x 1.5	5	4.5-10.0	4	20	26-34
RESM-20	M20 x 1.5	6	6.0-13.0	8	24	29-37
RESM-25	M25 x 1.5	7	9.0-16.0	10	29	33-42
RESM-32	M32 x 1.5	8	13.0-21.0	20	36	36-44
RESM-40	M40 x 1.5	8	16.0-28.0	20	46	44-55
RESM-50	M50 x 1.5	9	21.0-35.0	30	55	51-62
RESM-63	M63 x 1.5	10	34.0-48.0	40	68	56-67
RESM-75	M75 x 1.5	12	48.0-62.0	40	82	67-81

LONG THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
RESM-12-L	M12 x 1.5	15	3.0-7.0	4	16	30-37
RESM-16-L	M16 x 1.5	15	4.5-10.0	4	20	33-41
RESM-20-L	M20 x 1.5	15	6.0-13.0	8	24	35-43
RESM-25-L	M25 x 1.5	15	9.0-16.0	10	29	38-47
RESM-32-L	M32 x 1.5	15	13.0-21.0	20	36	43-51
RESM-40-L	M40 x 1.5	15	16.0-28.0	20	46	51-62
RESM-50-L	M50 x 1.5	15	21.0-35.0	30	55	57-68
RESM-63-L	M63 x 1.5	15	34.0-48.0	40	68	61-72

PG THREAD

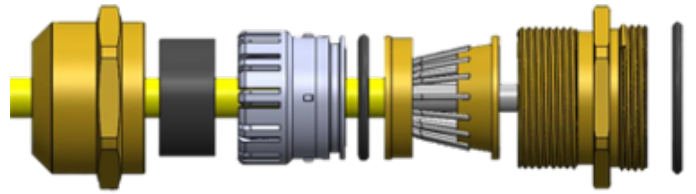
Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
RESP-7-12	PG7	5	3.0-7.0	4	16	23-30
RESP-9-16	PG9	5	4.5-10.0	4	20	26-34
RESP-11-16	PG11	6	4.5-10.0	4	22	27-35
RESP-13.5-20	PG13.5	6	6.0-13.0	8	24	28-36
RESP-16-25	PG16	6	9.0-16.0	10	29	32-41
RESP-21-25	PG21	7	9.0-16.0	20	36	33-42
RESP-29-40	PG29	8	16.0-28.0	20	46	44-55
RESP-36-50	PG36	9	21.0-35.0	30	55	51-62
RESP-42-50	PG 42	10	21.0-35.0	40	60	52-63
RESP-48-63	PG 48	10	34.0-48.0	40	68	56-67

NPT THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
RESN-1/4	NPT 1/4"	13	3.0-7.0	4	16	33-40
RESN-3/8	NPT 3/8"	13	4.5-10.0	4	20	35-42
RESN-1/2	NPT 1/2"	16	6.0-13.0	8	24	38-45
RESN-3/4	NPT 3/4"	16	9.0-16.0	10	29	40-48
RESN-1	NPT 1"	20	13.0-21.0	20	36	46-53
RESN-1 1/4	NPT 1 1/4"	20	16.0-28.0	20	46	50-58
RESN-1 1/2	NPT 1 1/2"	20	21.0-35.0	30	55	51-62
RESN-2	NPT 2"	21	34.0-48.0	40	68	56-67

EMC TYPE

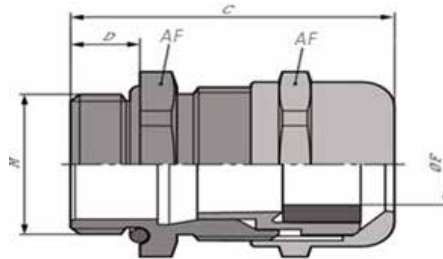
Material :	Brass, Brass nickel plating
Sealing :	EPDM
Clamping insert :	PA 66
Oring :	EPDM
Seal operating Temperature :	-40°C to +100°C
Thread type :	<ul style="list-style-type: none"> • Metric (M) Pitch 1.5 (Also available with long thread length) • PG thread • NPT thread
Degree of protection :	IP 68 (5 bar 30 min)
Mechanical strength :	<ul style="list-style-type: none"> • Dynamic strain stability • High strain relief (DIN EN 62444 Tab. 2A)
Earthing cones :	Brass chromium-plated
Accessories :	REMC-M-LN / REMC-PG-LN



REMC-M-LN



REMC-PG-LN



SHORT THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
REMC-12	M12 x 1.5	5	3.0-7.0	4	16	23-30
REMC-16	M16 x 1.5	5	4.5-10.0	4	20	26-34
REMC-20	M20 x 1.5	6	6.0-13.0	8	24	29-37
REMC-25	M25 x 1.5	7	9.0-16.0	10	29	33-42
REMC-32	M32 x 1.5	8	13.0-21.0	20	36	36-44
REMC-40	M40 x 1.5	8	16.0-28.0	20	46	44-55
REMC-50	M50 x 1.5	9	21.0-35.0	30	55	51-62
REMC-63	M63 x 1.5	10	34.0-48.0	40	68	56-67
REMC-75	M75 x 1.5	12	48.0-62.0	40	82	67-81

LONG THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
REMC-12-L	M12 x 1.5	12	3.0-7.0	4	16	30-37
REMC-16-L	M16 x 1.5	12	4.5-10.0	4	20	33-41
REMC-20-L	M20 x 1.5	12	6.0-13.0	8	24	35-43
REMC-25-L	M25 x 1.5	12	9.0-16.0	10	29	38-47
REMC-32-L	M32 x 1.5	15	13.0-21.0	20	36	43-51
REMC-40-L	M40 x 1.5	15	16.0-28.0	20	46	51-62
REMC-50-L	M50 x 1.5	15	21.0-35.0	30	55	57-68
REMC-63-L	M63 x 1.5	15	34.0-48.0	40	68	61-72

PG THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
REMCP-7-12	PG7	5	3.0-7.0	4	16	23-30
REMCP-9-16	PG9	5	4.5-10.0	4	20	26-34
REMCP-11-16	PG11	6	4.5-10.0	4	22	27-35
REMCP-13.5-20	PG13.5	6	6.0-13.0	8	24	28-36
REMCP-16-25	PG16	6	9.0-16.0	10	29	32-41
REMCP-21-25	PG21	7	9.0-16.0	20	36	33-42
REMCP-29-40	PG29	8	16.0-28.0	20	46	44-55
REMCP-36-50	PG36	9	21.0-35.0	30	55	51-62
REMCP-42-50	PG 42	10	21.0-35.0	40	60	52-63
REMCP-48-63	PG 48	10	34.0-48.0	40	68	56-67

NPT THREAD

Part Codes	Entry Thread M	Entry thread Length D (mm)	Clamping Range (mm)	Installation Torque (Nm)	Across Flat AF (mm)	Total Length C (mm)
REMCN-1/4	NPT 1/4"	13	3.0-7.0	4	16	33-40
REMCN-3/8	NPT 3/8"	13	4.5-10.0	4	20	35-42
REMCN-1/2	NPT 1/2"	16	6.0-13.0	8	24	38-45
REMCN-3/4	NPT 3/4"	16	9.0-16.0	10	29	40-48
REMCN-1	NPT 1"	20	13.0-21.0	20	36	46-53
REMCN-1 1/4	NPT 1 1/4"	20	16.0-28.0	20	46	50-58
REMCN-1 1/2	NPT 1 1/2"	20	21.0-35.0	30	55	51-62
REMCN-2	NPT 2"	21	34.0-48.0	40	68	56-67

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