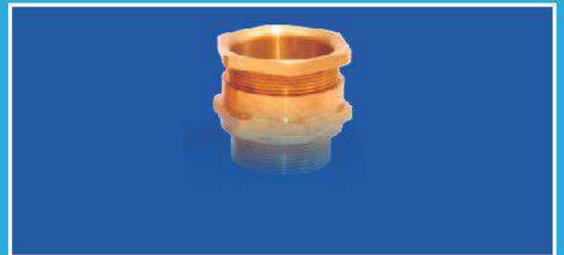


# Cable Glands Range



[www.epp-products.ir](http://www.epp-products.ir)

# TECHNICAL INFORMATION

## INTRODUCTION TO CABLE GLANDS

Cable Glands are mechanical cable entry devices, which can be constructed from metallic or non-metallic materials.

They are used throughout all industries in conjunction with cable and wiring in electrical, instrumentation and automation systems.

Cable Glands may be used on all types of electrical power, control, instrumentation, data and telecommunications cables.

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

The main functions of the cable gland are listed briefly as follows :

- Cable Glands may provide environmental protection by sealing on the outer cable sheath, excluding dust and moisture from the electrical or instrument enclosure.
- Cable Glands may facilitate earth continuity in the case of armoured cables, when the cable gland has a metallic construction.
- Cable Glands may provide a holding force on the cable to ensure adequate levels of cable pull out resistance.
- Cable Glands may provide additional sealing on the part of the cable entering the enclosure, when a high degree of ingress protection is required.

See Page F4

- Cable Glands may provide additional environmental sealing at the cable entry point, maintaining the ingress protection rating of the enclosure with the selection of applicable accessories dedicated to performing this function.

## HALOGEN FREE OR LOW SMOKE & FUME MATERIALS

As outlined in the previous subject certain cable types are designed with the performance capability of surviving fire conditions for a specified period, whilst other cable types may be manufactured using polymer compounds that generate lower smoke and fume emissions.

In such cases the cables may be identified as being Halogen Free, Low Smoke & Fume (LSF), Low Smoke Zero Halogen (LSZH), or Zero Halogen Low Smoke (ZHLS).

These compare favourably with traditional electric cables that were likely to generate noxious emissions of gases in fire situations, that may have been manufactured and installed many years ago, prior to the introduction of the most recent cable standards and the development of new environmentally friendly compounds.

It is equally important that the materials used in the manufacture of cable management products, including cable cleats, cable clamps, cable glands, their seals, and any shrouds that are required to be fitted, can offer the same high level of compliance in the way of lower smoke and fume emissions.

Some cables, but not all, that bear Low Smoke & Fume and/or Zero Halogen characteristics may have an inner cable bedding that is extruded from a compound which has not been fully cured during the manufacturing process. This is often referred to as a soft bedding, and this itself brings an additional factor to consider when selecting appropriate cable sealing glands to suit cables having this characteristic.



- Speedy installation without tools or locknut
- Halogen- and phosphor-free
- IP68 degree of protection acc. to DIN EN 60529

## LOW VOLTAGE DIRECTIVE

The original Low Voltage Directive (LVD) 73/23/EEC was introduced to ensure that electrical equipment within certain voltage limits both provide a high level of safety and protection for European citizens.

The Directive covers electrical equipment designed for use with a voltage rating of between 50 and 1000 V for alternating current and between 75 and 1500 V for direct current.

The Directive provides essential health and safety requirements for the range of products within its scope, ensuring that the electrical equipment is safe in its intended use. For most electrical equipment, the emissions of Electromagnetic Fields are also under the domain of the Low Voltage Directive.

Directive 73/23/EEC was re-issued under the new document 2006/95/EC but the text content remained unchanged.

Cable glands are passive elements of the electrical installation and are not considered to fall under the scope of the Low Voltage Directive.

## EMC DIRECTIVE

The Electromagnetic Compatibility (EMC) Directive - 89/336/EEC Although originally enacted in 1989 under the Directive 89 / 336 / EEC , the EMC Directive has witnessed significant development since it first came into force on 1st January, 1992. The EMC Directive has been amended several times under the subsequent Directives 92/31/EC, 93/68/EEC, 98/13/EC, and 99/5/EC.

A new EMC 2004/108/EC Directive became effective on 20th July, 2007.

The EMC Directive requires that products must not generate unwanted electromagnetic pollution , or interference , and that products must be immune to a reasonable amount of interference.

Cable glands, which are not considered to fall under the scope of the EMC as they are neither capable of emitting electromagnetic interference nor being susceptible to it, may be used to contribute to the electromagnetic compatibility of installations . Several industry studies have been conducted as to the effect of cable terminations in systems that are required to provide a specified degree of EMC protection.

## CABLE GLAND SELECTION GUIDELINES

There are many factors to consider when selecting cable glands for industrial installations. Neglecting to pay due attention to some of these factors may cause unnecessary anxiety at a future point in time when the equipment and cables have been delivered on site, but for example the cable glands have either been forgotten to be ordered or it is discovered that they are the incorrect type or size at the very point when they are needed the most. Good advice would be to allocate some value added planning and preparation time to the subject of cable gland selection so as to avoid the great inconvenience which is likely to occur at a critical point in time. In the event that a user or contractor is in possession of a cable schedule that requires a cable gland selection and sizing process to be carried out, EPP Products would be more than happy to assist in carrying out this process at no cost to the enquirer. Please contact EPP Products for further information on this subject.

### NPT ANSI B1.20.1

THREAD REFERENCE	050	075	100	125	150	200	250	300
THREAD SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
THREAD PITCH	1.81	1.81	2.20	2.20	2.20	2.20	3.18	3.18
THREAD PER INCH	14.00	14.00	11.50	11.50	11.50	11.50	8.00	8.00
MAJOR DIAMETER MAX	21.34	26.67	33.40	42.16	48.26	60.33	73.03	88.90
CLEARANCE HOLE Ø MAX	21.84	27.17	33.90	42.66	48.76	60.83	73.53	89.40

### NPT ANSI B1.20.1

THREAD REFERENCE	050	075	100	125	150	200	250	300
THREAD SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
THREAD PITCH	1.81	1.81	2.20	2.20	2.20	2.20	3.18	3.18
THREAD PER INCH	14.00	14.00	11.50	11.50	11.50	11.50	8.00	8.00
MAJOR DIAMETER MAX	20.90	26.67	32.84	41.60	47.67	59.71	72.16	88.06
CLEARANCE HOLE Ø MAX	21.30	26.76	33.34	42.10	48.17	60.21	72.66	88.56

### BSP ISO R/7, BS2779 (BSPP, G, R, PF)

THREAD REFERENCE	050	075	100	125	150	200	250	300
THREAD SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
THREAD PITCH	1.81	1.81	2.20	2.20	2.20	2.20	3.18	3.18
THREAD PER INCH	14.00	14.00	11.00	11.00	11.00	11.00	11.00	11.00
MAJOR DIAMETER MAX	20.96	26.44	33.25	41.91	47.90	59.61	75.18	87.88
CLEARANCE HOLE Ø MAX	21.46	26.94	33.75	42.41	48.30	60.11	75.68	88.99

### BSP ISO R/7, BS21 (BSPT, GK)

THREAD REFERENCE	050	075	100	125	150	200	250	300
THREAD REFERENCE%	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"
THREAD PITCH	1.81	1.81	2.20	2.20	2.20	2.20	3.18	3.18
THREAD PER INCH	14.00	14.00	11.00	11.00	11.00	11.00	11.00	11.00
MAJOR DIAMETER MAX	20.96	26.44	33.25	41.91	47.80	59.61	75.18	87.88
CLEARANCE HOLE Ø MAX	21.46	26.94	33.75	42.41	48.30	60.11	75.68	88.99

## MATERIAL & THREAD

### MATERIALS

Brass Extruded bar to EN12168: 1998 Grade CuZn39Pb (CW614N) (Previously BS2874: 1986)  
 Stainless Steel to EN10088-2:2005 Grade 316L (Previously BS970 Part 1: 1991)  
 Mild Steel to BS970 Part 1: 1996 Grade 220M07Pb  
 Aluminium Extruded Bar to EN573-2:2003 Grade AW6082 & AW6262  
 Aluminium Castings to EN1706:1998 Grade ENAC42000. T6 (Previously BS1490 LM25. TF)  
 Brass Casting to BS1400:1985 Grade HTB1

### THREAD CONSTRUCTION STANDARDS

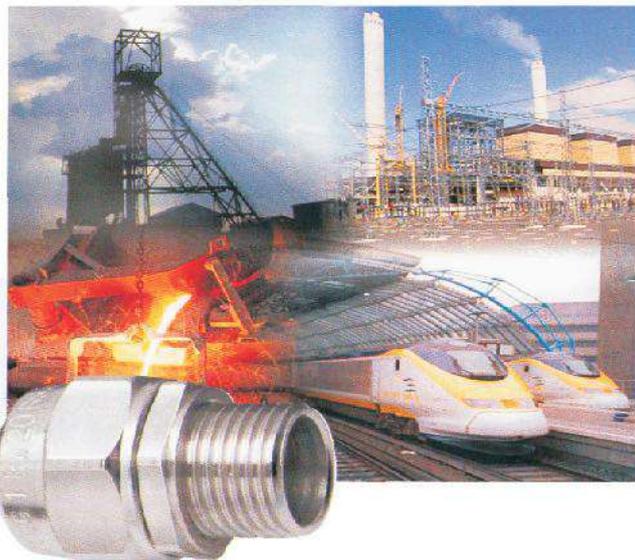
Metric	ISO 965-1, ISO 965-3 medium fit (6g) for external threads
Imperial Conduit	BS 31: 1940 (1979), Table A
(ET)	DIN 40430:1971
PG	BS 2779: 1986 (1973) class A full form for external threads
BSPP	BS 21: 1985 standard threads only as clause 5.4, gauging to clause 5.2 system A
BSPT	ISO 7/1: 1982, gauging to ISO 7/2 clause 6.3 for external threads
ISO	ANSI / ASME B1.20.1 - 1983 gauging to clause 8.1 for external threads
NPT	ANSI / ASME B1.20.1 - 1983 gauging to clause 9 for external threads
NPSM	

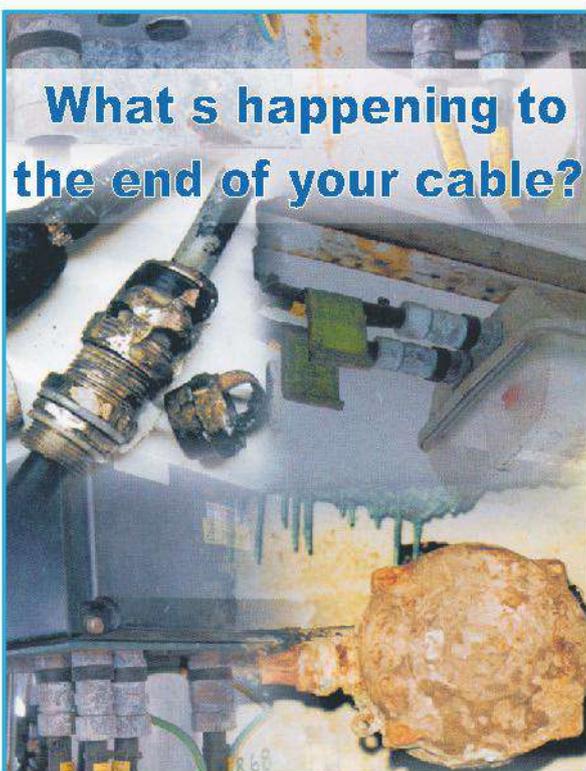
### ISO METRIC IEC 60423

THREAD REFERENCE	16	20	25	32	40	50	63	75
THREAD SIZE	M16	M20	M25	M32	M40	M50	M63	M75
THREAD PITCH	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
THREAD PER INCH	16.93	16.93	16.93	16.93	16.93	16.93	16.93	16.93
MAJOR DIAMETER MAX	15.97	15.97	24.97	31.97	39.97	49.97	62.97	74.97
CLEARANCE HOLE Ø MAX	16.5	20.5	25.5	32.5	40.5	50.5	63.5	75.5

### PG DIN 40430

THREAD REFERENCE	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36
THREAD SIZE	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36
THREAD PITCH	1.27	1.41	1.41	1.41	1.41	1.59	1.59	1.59
THREAD PER INCH	20.00	18.00	18.00	18.00	18.00	16.00	16.00	16.00
MAJOR DIAMETER MAX	12.5	15.2	18.6	20.4	22.5	28.3	37.0	47.0
CLEARANCE HOLE Ø MAX	13.0	15.7	19.1	20.9	23.0	28.8	37.5	47.5





## What's happening to the end of your cable?

When the cable is armoured, verify the following :

- Check the type and material of the cable armour
- Check the short circuit fault current rating of the cable armour
- Check the actual diameter of the inner bedding (where present) against the products featured on this catalog.
- Check the actual size of the overall cable diameter against the products featured on this catalog.
- Check the size and type of armour or braid (where present) against the products featured on this catalog.
- Check any special environmental requirements in relation to corrosion protection.
- Check the material of the mating electrical enclosures to eliminate dis-similar metals.
- Consider whether any protective plating is required to be applied to the cable gland.
- Check the type and size of the cable entry hole in the mating electrical equipment.
- Check the ingress protection rating of the electrical equipment or site standard
- Check whether a single seal or double seal cable gland is required.
- Check whether an entry thread seal is required for IP66 (or IP67/IP68) conditions.
- Check whether fixing accessories such as locknuts and serrated washers are required.
- Check whether earth tags are required.
- Check whether shrouds are required.
- Select a corresponding cable gland type from the products featured on this Catalog.
- Check whether a thread conversion adaptor / reducer is required to make the installation.
- Select corresponding adaptors or reducers from the products featured on this Catalog. (See page: E35-E38)
- Check whether any stopping plugs are required to close unused cable entries.
- Select corresponding stopping plugs from the products featured on this Catalog. (See page: E29-E30)

## Problems...



### Loose parts

glands with loose cones , seals , cone rings screws , locknuts , shrouds, washers, All need to be assembled correctly on site . These parts get lost.

### Ingress

As a direct result of incorrectly fitted or omitted seals, sealing washers, and loosely fitting shrouds on cable glands , ingress of moisture, dust and corrosive elements into the electrical apparatus will cause damage. (Ingress Protection: See page F4)

### Corrosion

Apart from expensive stainless steel - there is no adequate protection for brass glands against aggressive corrosive attack.

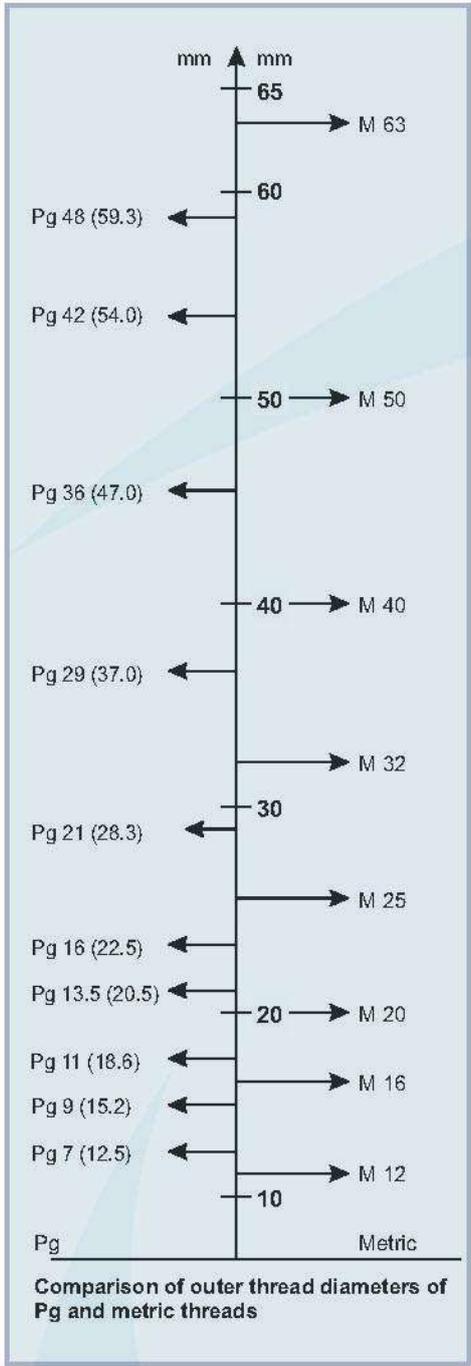


## Metric cable glands

A comparison of the external thread diameters of Pg and metric cable glands is given in the graphic opposite.

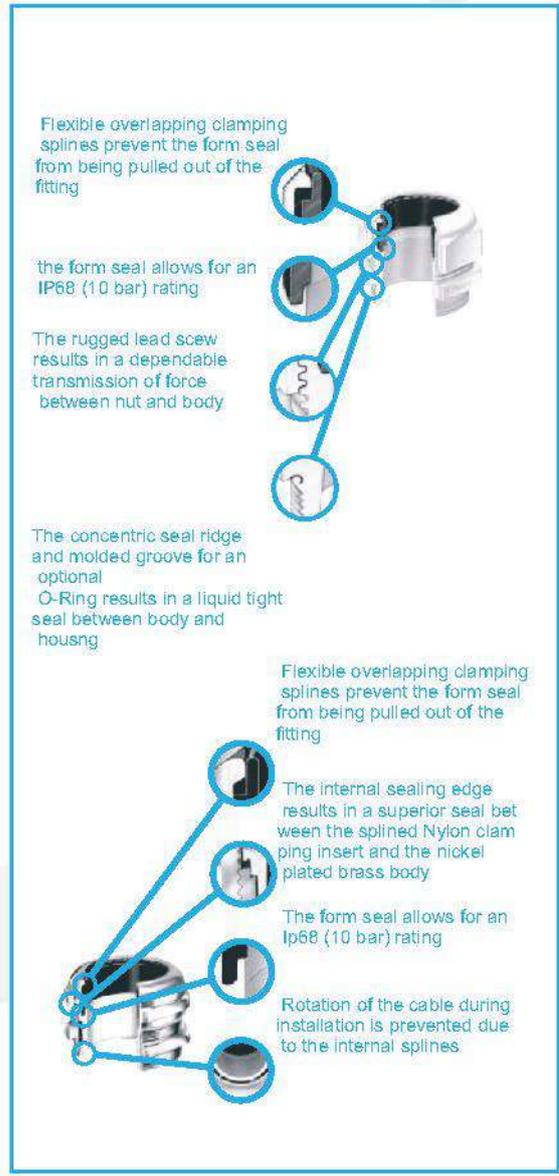
this shows that it is not possible to simply interchange the joint unions because of the different thread dimension. this also means that no direct comparisons can be made.

**The metric cable gland product range is subject to continuous additions to the range . if the items you require for your specific application are not given here , please don't hesitate to contact us.**



Here is a summary of some aspects to carefully consider when selecting cable glands.

- Identify the type of cable to be used.
- Check the construction, size & material properties of the cable.
- Halogen - and phosphor - free
- Patented ratchet and spline secures the dome nut on the body



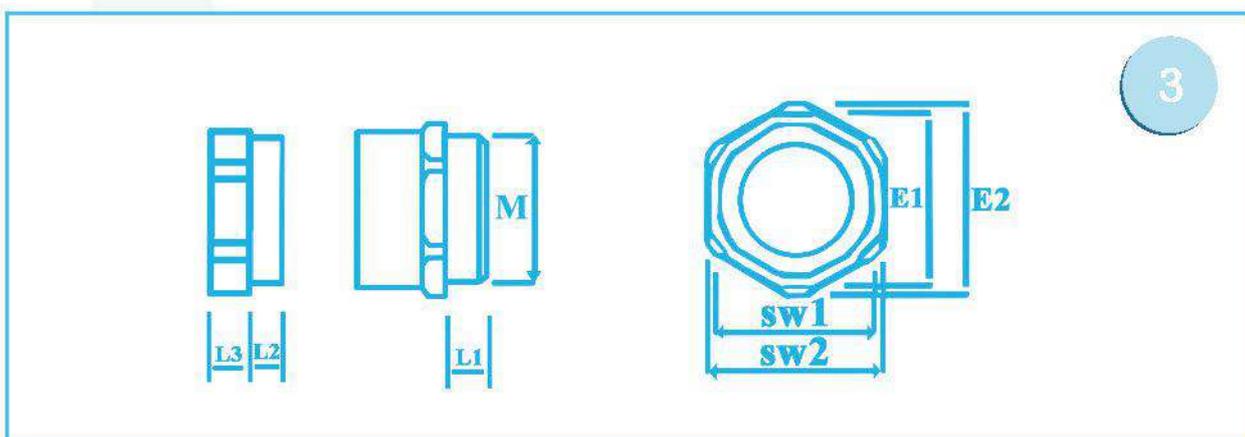
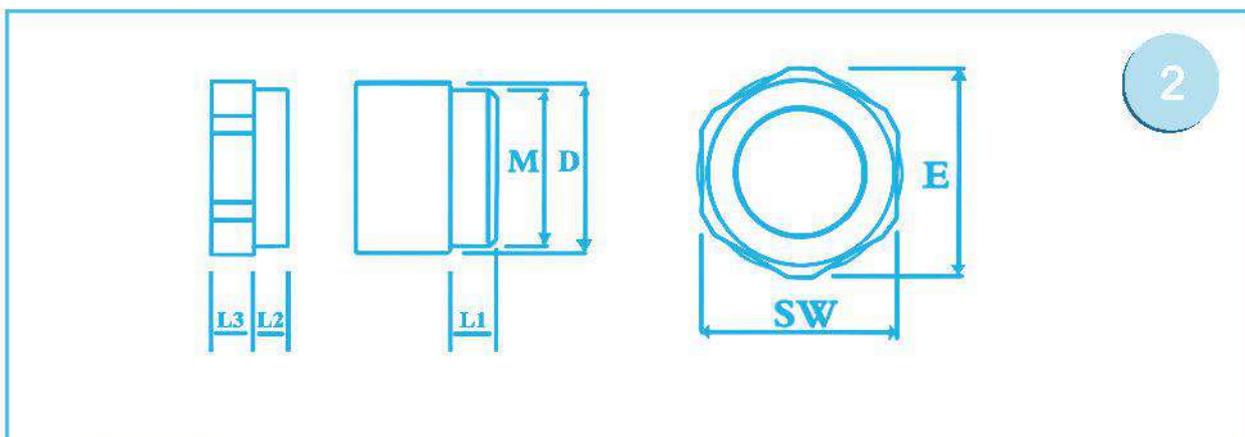
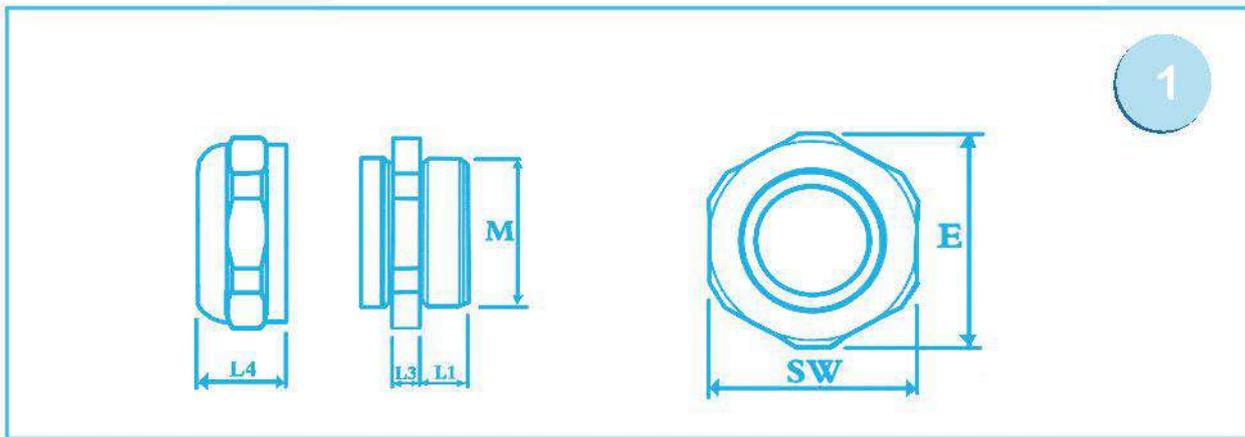


# CHECK-LIST

For special Cable Glands, Lock Nut, Stopping Plugs and Pressure Screw.

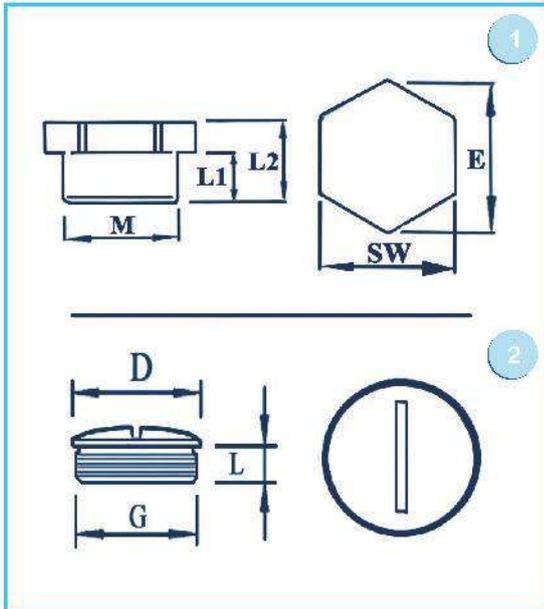
## Drawing

Please fill in all the required dimensions and necessary data.

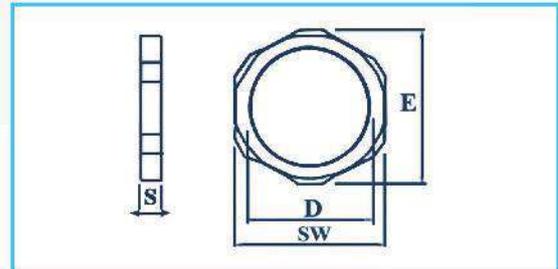




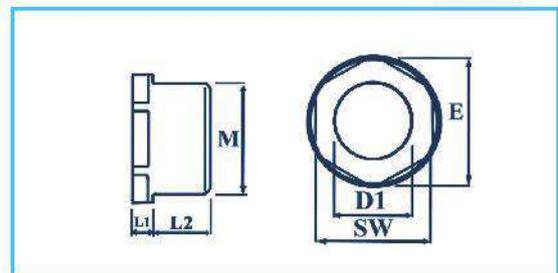
## Stopping Plugs



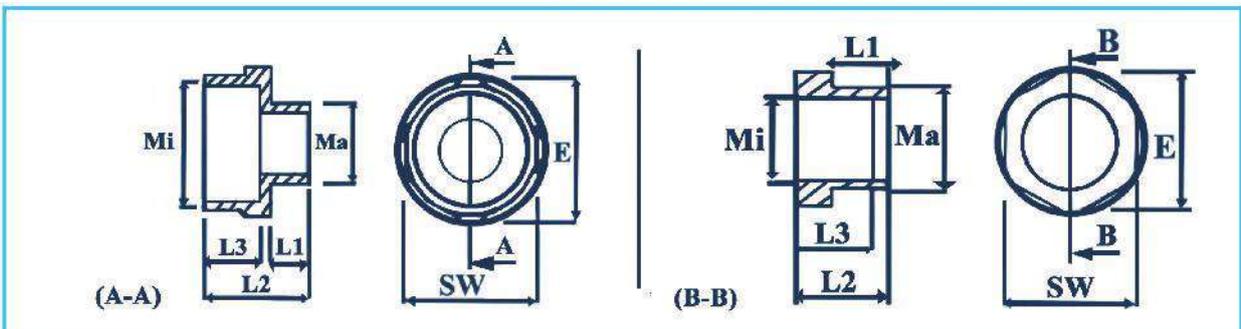
## Lock Nut



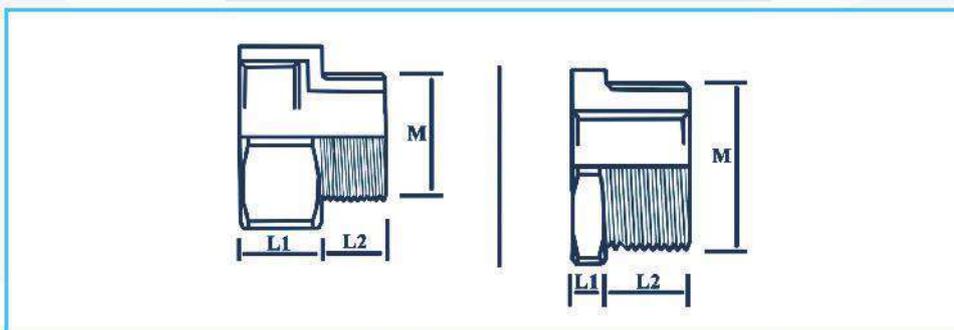
## Pressure Screw



## Adaptor



## Reducer/Adaptor





Customer / Company: ..... Customer No. ....

Address: ..... Fax: .....

Contact Person: ..... Phone: .....

**Dimensions**

Nominal dimensions ( mm )

Dimension M : \_\_\_\_\_ Dimension L : \_\_\_\_\_

Dimension Mi : \_\_\_\_\_ Dimension L1 : \_\_\_\_\_

Dimension Ma : \_\_\_\_\_ Dimension L2 : \_\_\_\_\_

Dimension SW : \_\_\_\_\_ Dimension L3 : \_\_\_\_\_

Dimension sw1 : \_\_\_\_\_ Dimension L4 : \_\_\_\_\_

Dimension sw2 : \_\_\_\_\_ Dimension D : \_\_\_\_\_

Dimension G : \_\_\_\_\_ Dimension D1 : \_\_\_\_\_

Dimension E : \_\_\_\_\_

Dimension E1 : \_\_\_\_\_

Dimension E2 : \_\_\_\_\_

Dimension S : \_\_\_\_\_

Thread :

Metric (M)  PG  NPT

Thread ( For Adaptor ) :

Metric - Metric  PG - Metric  Others : \_\_\_\_\_

Metric - PG  Metric - NPT

**Technical Data**

Kind of application :

( if know ) \_\_\_\_\_

Surface : \_\_\_\_\_

Nickel plated \_\_\_\_\_

Bright \_\_\_\_\_

Others : \_\_\_\_\_

Material :

Brass

Aluminium

Others : \_\_\_\_\_

**Commercial Data**

Quantity / Annual requirment \_\_\_\_\_

Requested delivery time : \_\_\_\_\_

Sample : Yes  No

Test report of first sample : Yes  No

Additional information :

**Which Items**

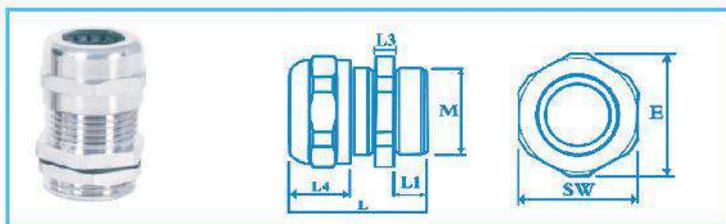
**Date :** \_\_\_\_\_ **Signature ( Customer ) :** \_\_\_\_\_

# E.P.P.-AM

**Material:** Brass - Nickel Plated

Cable gland with stress relief with hexagonal lowerpart and EPP thermoplastic elastomer gasket, with metric connection thread and connection thread gasket.

**Ingress Protection:** IP68

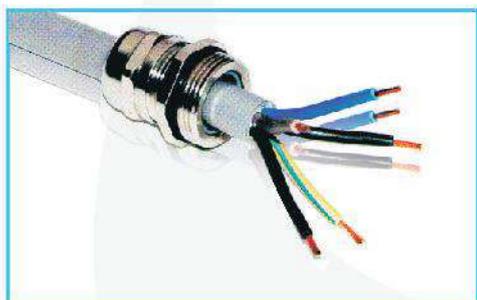


Type	M	SEALING RANGE (B)	L	L1	L3	L4	SW	E	Order No.
EPP-AM 12	M 12x1.5	3 - 6	29	5	3	11.4	14	15.5	1044520101
EPP-AM 16	M 16x1.5	3 - 9	32	5	3	14	17	19	1044520102
EPP-AM 20	M 20x1.5	9 - 13	36	6	3.5	16	22	24	1044520103
EPP-AM 25	M 25x1.5	11 - 16	42	7	3.5	16.5	27	30	1044520104
EPP-AM 32	M 32x1.5	14 - 21	48	8	4	18.5	34	36	1044520105
EPP-AM 40	M 40x1.5	19 - 27	53	8	5	20	43	46	1044520106
EPP-AM 50	M 50x1.5	24 - 35	59	9	6	23	55	60	1044520107
EPP-AM 63	M 63x1.5	32 - 42	65	10	7	26	65	70	1044520108

Dimensions are in Millimetres

E  
10

# E.P.P.-APG



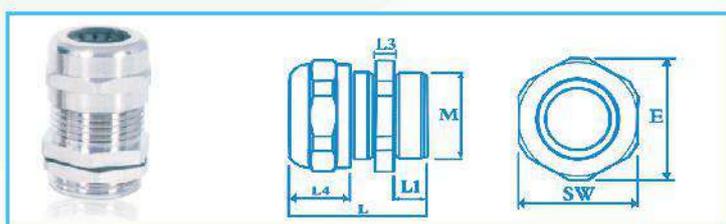
Type	NOMINAL SIZE	M	SEALING RANGE (B)	L	L1	L3	L4	SW	E	Order No.
EPP-APG 7	PG 7	12.5	3 - 6.5	23	5	3	12	14	16	1044520109
EPP-APG 9	PG 9	15.5	4 - 8	29	6	3	14	17	19	1044520110
EPP-APG 11	PG 11	18.6	5 - 10	30	6	3	15	20	22	1044520111
EPP-APG 13.5	PG 13.5	20.4	6 - 12	32	6.5	3.5	15	22	24.5	1044520112
EPP-APG 16	PG 16	22.5	10 - 14	32	6.5	3.5	16	24	27	1044520113
EPP-APG 21	PG 21	28.3	13 - 18	35	7	4	17	30	33.5	1044520114
EPP-APG 29	PG 29	37	18 - 25	40	8	5	19	40	44	1044520115
EPP-APG 36	PG 36	47	22 - 32	45	9	5	22	50	54	1044520116
EPP-APG 42	PG 42	54	30 - 38	48	10	6	24	57	67	1044520117
EPP-APG 48	PG 48	59.3	34 - 44	50	10	7	25	64	69	1044520118

Dimensions are in Millimetres

**Material:** Brass - Nickel Plated

Cable gland with stress relief with hexagonal lowerpart and EPP thermoplastic elastomer gasket, with PG connection thread and connection thread gasket.

**Ingress Protection:** IP68



# E.P.P.-ANPT

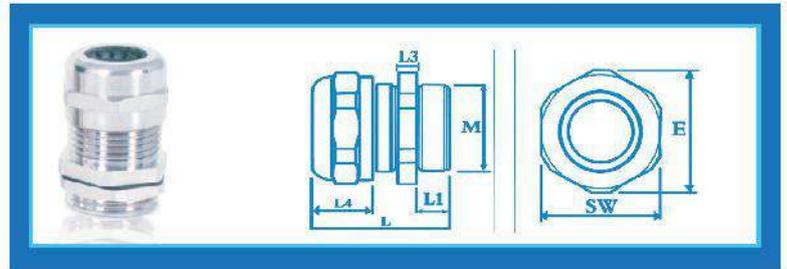
Type	MINIMAL SIZE	M	SEALING RANGE (B)	L	L1	L3	L4	SW	E	Order No.
ANPT3/8	ANPT3/4	16.6	4 - 8	38	15	3	14	17	19	1044520201
ANPT1/2	ANPT1/2	20.7	6 - 12	38.5	13	3.5	15	22	24.5	1044520202
ANPT3/4	ANPT3/4	25.9	13 - 19	41	13	4	17	30	33.5	1044520203

Dimensions are in Millimetres

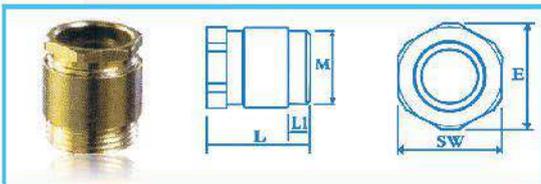
**Material:** Brass Nickel- Plated

Cable gland with stress relief with hexagonal lowerpart and EPP thermoplastic elastomer gasket, with NPT connection thread and connection thread gasket.

Ingress Protection: IP68



# E.P.P.-BPG



**Material:** Brass Nickel- Plated

Cable gland with round lowerpart and EPP thermoplastic elastomer gasket, with short PG connection thread.

Ingress Protection: IP68

Type	MINIMAL SIZE	M	SEALING RANGE (B)	L	L1	SW	E	Order No.
EPP-BPG 7	PG 7	12.5	5 - 7	20.5	5	13	14.5	1044520204
EPP-BPG 9	PG 9	15.5	4 - 11	22	6	15	17	1044520205
EPP-BPG 11	PG 11	18.6	6.5 - 13.5	24	6	18	20	1044520206
EPP-BPG 13.5	PG 13.5	20.4	6.5 - 13.5	26	6.5	20	22	1044520207
EPP-BPG 16	PG 16	22.5	6.5 - 16	26.5	6.5	22	24.5	1044520208
EPP-BPG 21	PG 21	28.3	9 - 20	30	7	28	31	1044520209
EPP-BPG 29	PG 29	37	17 - 28	32	8	37	41	1044520210
EPP-BPG 36	PG 36	47	23 - 34	39	9	47	50.5	1044520211
EPP-BPG 42	PG 42	54	29 - 40	44	10	54	59	1044520212
EPP-BPG 48	PG 48	59.3	35 - 46	45	10	60	65	1044520213

Dimensions are in Millimetres

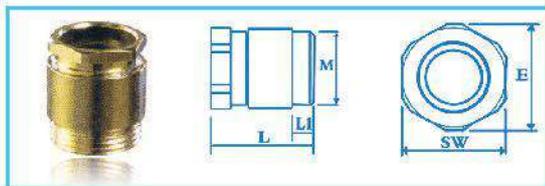
**Material:** Brass Nickel- Plated

Cable gland with round lowerpart and  
EPP thermoplastic elastomer gasket,  
with long metric connection thread.

Ingress Protection: IP68

Type	M	SEALING RANGE (B)	D	L	L1	SW	E	Order No.
EPP-CM 12	M 12x1.5	4 - 6	14	25	10	12	13	1044520301
EPP-CM 16	M 16x1.5	2 - 10	18	27	10	16	18	1044520302
EPP-CM 20	M 20x1.5	3 - 14	22	30	10	20	22	1044520303
EPP-CM 25	M 25x1.5	7.5 - 18.5	27	33	11	25	28	1044520304
EPP-CM 32	M 32x1.5	15 - 26	34	37	13	32	35	1044520305
EPP-CM 40	M 40x1.5	22 - 34	42	43	13	40	43	1044520306
EPP-CM 50	M 50x1.5	29 - 40	52	48	14	50	54	1044520307
EPP-CM 63	M 63x1.5	35 - 46	66	50	14	63	71	1044520308

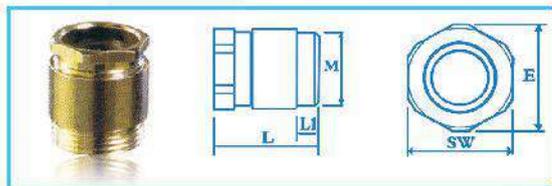
Dimensions are in Millimetres



**E.P.P.-CM**

E  
12

**E.P.P.-DM**



Type	M	SEALING RANGE (B)	L	L1	SW1	SW2	E1	E1	Order No.
EPP-DM 12	M 12x1.5	4 - 6	20	5	12	14	13	16	1044520309
EPP-DM 16	M 16x1.5	2 - 10	22	5	16	18	18	20	1044520310
EPP-DM 20	M 20x1.5	3 - 14	26	6	20	22	22	24	1044520311
EPP-DM 25	M 25x1.5	7.5 - 18.5	29	7	25	27	28	30	1044520312
EPP-DM 32	M 32x1.5	15 - 26	32	8	32	34	35	38	1044520313
EPP-DM 40	M 40x1.5	22 - 33	38	8	40	42	43	47	1044520314
EPP-DM 50	M 50x1.5	29 - 40	43	9	50	52	54	58	1044520315
EPP-DM 63	M 63x1.5	35 - 46	46	10	63	66	71	70	1044520316

Dimensions are in Millimetres

**Material:** Brass - Nickel Plated

Cable gland with hexagonal lowerpart  
and EPP thermoplastic elastomer gasket,  
with short metric connection thread.

Ingress Protection: IP68

# E.P.P-DPG

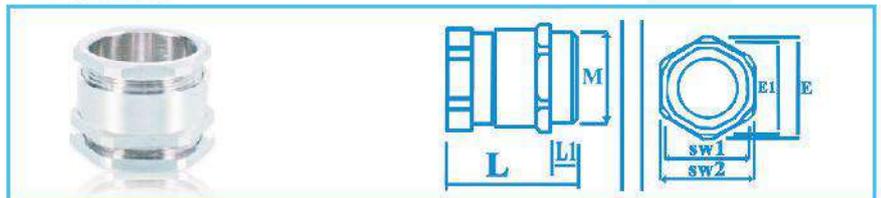
Type	NOMINAL SIZE	M	SEALING RANGE (B)	L	L1	SW1	SW2	E1	E	Order No.
EPP-DPG 7	PG 7	12.5	5 - 7	20.5	5	13	14	14.5	15.5	1044520401
EPP-DPG 9	PG 9	15.5	4 - 11	22	6	15	17	17	19	1044520402
EPP-DPG 11	PG 11	18.6	6.5 - 13.5	24	6	18	20	20	22	1044520403
EPP-DPG 13.5	PG 13.5	20.4	6.5 - 13.5	26	6.5	20	22	22	24.5	1044520404
EPP-DPG 16	PG 16	22.5	6.5 - 16	26.5	6.5	22	24	24.5	27	1044520405
EPP-DPG 21	PG 21	28.3	9 - 20	30	7	28	30	31	33	1044520406
EPP-DPG 29	PG 29	37	17 - 28	32	8	37	39	41	43	1044520407
EPP-DPG 36	PG 36	47	23 - 34	39	9	47	50	50.5	54	1044520408
EPP-DPG 42	PG 42	54	29 - 40	44	10	54	57	59	60	1044520409
EPP-DPG 48	PG 48	59.3	35 - 46	45	10	60	64	65	69	1044520410

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated

Cable gland with hexagonal lowerpart and EPP thermoplastic elastomer gasket, with short PG connection thread.

Ingress Protection: IP68



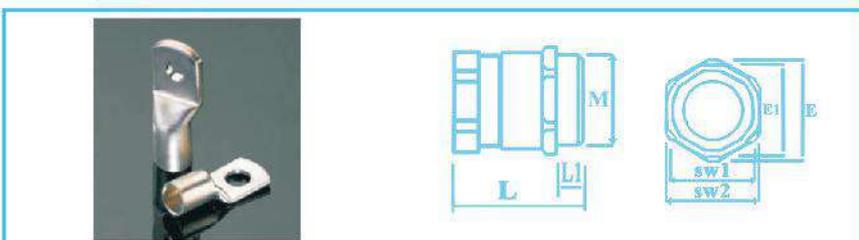
Type	M	SEALING RANGE (B)	L	L1	SW1	SW2	E1	E	Order No.
EPP-EM 12	M 12x1.5	4 - 6	25	10	12	14	13	16	1044520411
EPP-EM 16	M 16x1.5	2 - 10	27	10	16	18	18	20	1044520412
EPP-EM 20	M 20x1.5	3 - 14	30	10	20	22	22	24	1044520413
EPP-EM 25	M 25x1.5	7.5 - 18.5	33	11	25	27	28	30	1044520414
EPP-EM 32	M 32x1.5	15 - 26	37	13	32	34	35	38	1044520415
EPP-EM 40	M 40x1.5	22 - 33	43	13	40	42	43	47	1044520416
EPP-EM 50	M 50x1.5	29 - 40	48	14	50	52	54	56	1044520417
EPP-EM 63	M 63x1.5	35 - 46	50	14	63	66	71	70	1044520418

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated

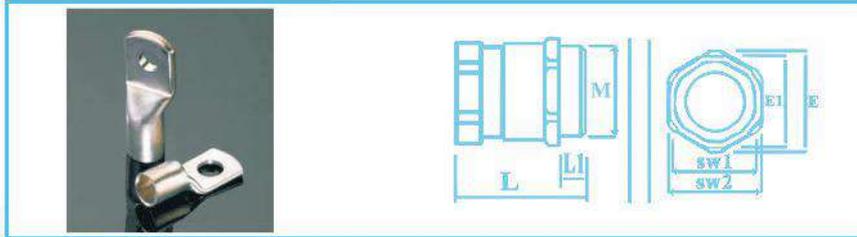
Cable gland with hexagonal lowerpart and EPP thermoplastic elastomer gasket, with long metric connection thread.

Ingress Protection: IP68



# E.P.P-EM

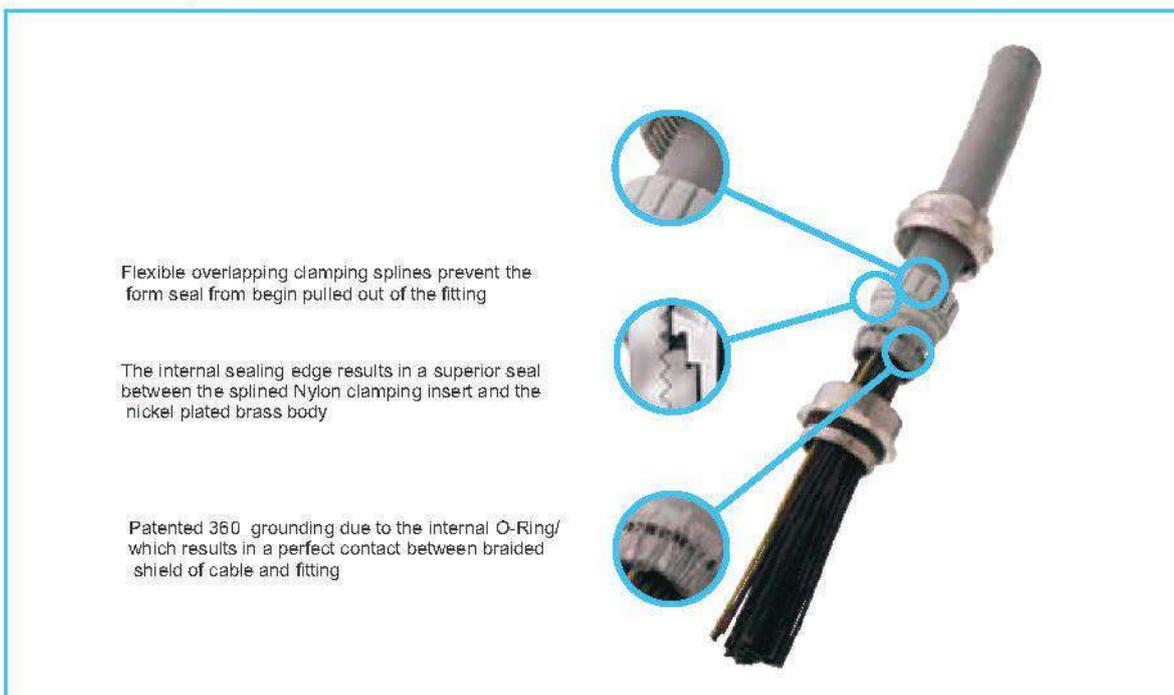
# E.P.P-EPG



**Material:** Brass Nickel - Plated  
 Cable gland with hexagonal lowerpart  
 and EPP thermoplastic elastomer gasket,  
 with long PG connection thread.  
**Ingress Protection:** IP68

Type	NOMINAL SIZE	M	SEALING RANGE (B)	L	L1	SW1	SW2	E1	E2	Order No.
EPP-EPG 7	PG 7	12.5	5 - 7	30.5	15	13	14	14.5	15.5	1044520501
EPP-EPG 9	PG 9	15.2	4 - 11	32	15	15	17	17	19	1044520502
EPP-EPG 11	PG 11	18.6	6.5 - 13.5	33	15	18	20	20	22	1044520503
EPP-EPG 13.5	PG 13.5	20.4	6.5 - 13.5	34.5	15	20	22	22	24.5	1044520504
EPP-EPG 16	PG 16	22.5	6.5 - 16	35	15	22	24	24.5	27	1044520505
EPP-EPG 21	PG 21	28.3	9 - 20	38	15	28	30	31	33	1044520506
EPP-EPG 29	PG 29	37	17 - 28	39	15	37	39	41	43	1044520507
EPP-EPG 36	PG 36	47	23 - 34	45	15	47	50	50.5	54	1044520508
EPP-EPG 42	PG 42	54	29 - 40	49	15	54	57	59	60	1044520509
EPP-EPG 48	PG 48	59.3	35 - 46	50	15	60	65	65	69	1044520510

Dimensions are in Millimetres



Flexible overlapping clamping splines prevent the form seal from being pulled out of the fitting

The internal sealing edge results in a superior seal between the splined Nylon clamping insert and the nickel plated brass body

Patented 360° grounding due to the internal O-Ring/ which results in a perfect contact between braided shield of cable and fitting

# E.P.P-A2

**Material:** Brass

**Cable Type:** Unarmoured

Brass indoor and outdoor cable gland for all types of steel Unarmoured Cable providing a seal on the outer sheath.

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Outer Sheath

**Ingress Protection:** IP68

Gland Size	Standard Entry Threads 'M'			Minimum Thread Length 'L'	Cable Dia 'A'		Across Corners Dia 'D' Max	Order No.
	Metric	NPT	PG		Min	Max		
16	16	1/2"	PG 11	15	3.1	8.6	24.4	1044520601
20/16	20	1/2"	PG 11	15	3.1	8.6	24.4	1044520602
20S	20	1/2"	PG 13.5	15	6.1	11.6	26.5	1044520603
20	20	1/2"	PG 16	15	6.5	13.9	30.0	1044520604
25	25	3/4"	PG 21	15	11.1	19.9	39.9	1044520605
32	32	1"	PG 29	15	17.0	26.2	45.5	1044520606
40	40	1-1/4"	PG 36	15	22.0	32.1	55.4	1044520607
50S	50	1-1/2"	PG 36	15	29.5	38.1	61.0	1044520608
50	50	2"	PG 42	15	35.6	44.0	66.5	1044520609
63S	63	2"	PG 48	15	40.1	49.9	77.6	1044520610
63	63	2-1/2"	-	15	47.2	55.9	83.2	1044520611
75S	75	2-1/2"	-	15	52.8	61.9	88.7	1044520612
75	75	3"	-	15	59.1	67.9	94.2	1044520613
90	90	3"	-	15	66.6	79.3	120.7	1044520614

Dimensions are in Millimetres

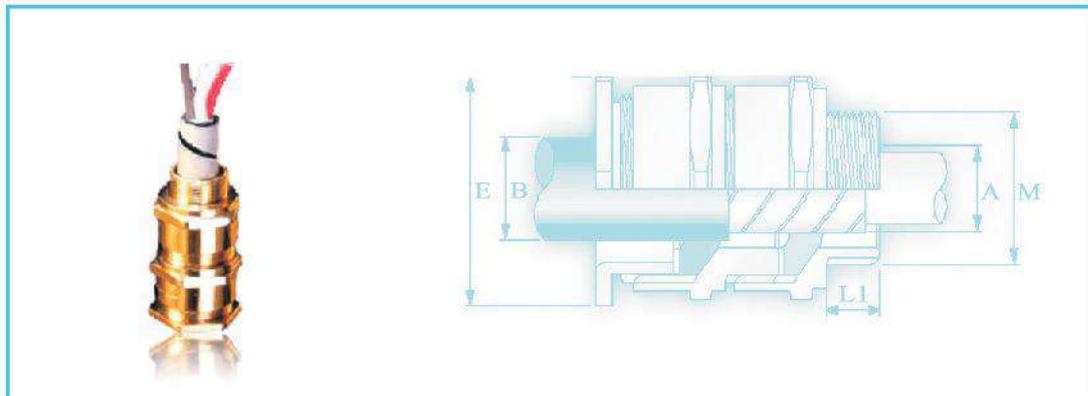


#### Accessories available

Shroud	See Page:E23
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38

Gland Size	Standard Entry Threads 'M'			Minimum Thread Length 'L1'	Cable Dia 'A'		Cable Dia 'B'		Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG		Min	Max	Min	Max		
20S	20	1/2"	PG 13.5	15	6.5	11.8	6.1	11.6	26.5	1044520701
20	20	1/2"	PG 16	15	10	13.9	6.5	13.9	30.0	1044520702
25	25	3/4"	PG 21	15	11.6	19.9	11.1	19.9	39.9	1044520703
32	32	1"	PG 29	15	19.0	26.2	17.0	26.2	45.5	1044520704
40	40	1-1/4"	PG 36	15	25.0	32.1	22.0	32.1	55.4	1044520705
50S	50	1-1/2"	PG 36	15	27.5	38.1	29.5	38.1	61.0	1044520706
50	50	2"	PG 42	15	33.1	44.0	35.6	44.0	66.5	1044520707
63S	63	2"	PG 48	15	40.1	49.9	40.1	49.9	77.6	1044520708
63	63	2-1/2"	-	15	47.2	55.9	47.2	55.9	83.2	1044520709
75S	75	2-1/2"	-	15	43.5	61.9	52.8	61.9	88.7	1044520710
75	75	2-1/2"	-	15	49.8	67.9	59.1	67.9	94.2	1044520711
90	90	3"	-	15	64.0	79.3	66.6	79.3	120.7	1044520712

Dimensions are in Millimetres



**Material:** Brass

**Cable Type:** Steel Tape Armour

Brass indoor and outdoor cable gland for all types of steel Tape Armour Cable providing a seal on the cable outer sheath and a continuity seal on the Tape Armour.

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Outer Sheath

Accessories available

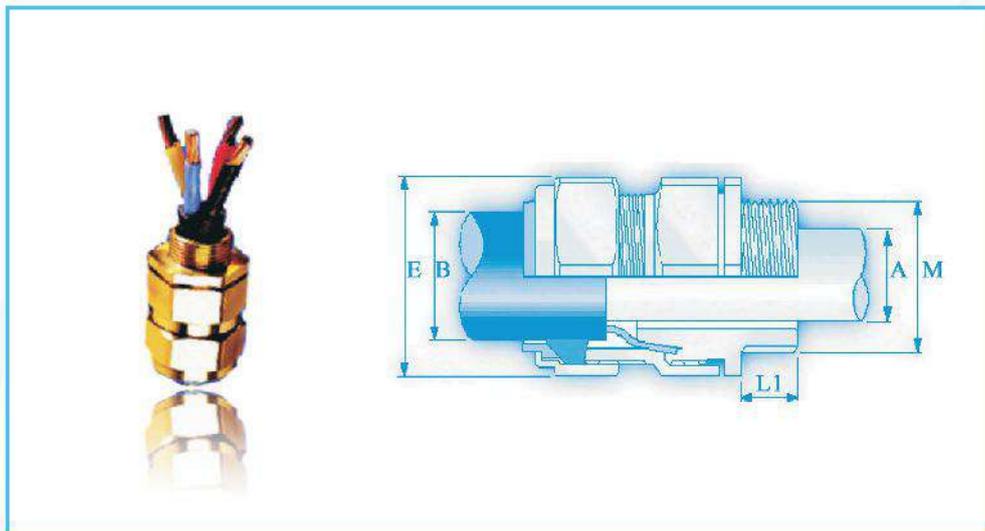
Shroud	See Page: E24
Earth Tag	See Page: E28
Lock nut	See Page: E26-E27
Adaptor/Reducer	See Page: E35-E38

**E.P.P-A4**

# E.P.P.-CW

Gland Size	Metric Entry Thread 'M'	Minimum Thread Length 'L1'	Cable Dia 'A' Max	Cable Dia 'B' Min	Cable Dia 'B' Max	Armour Wire Dia	Across Corners Dia 'E' Max	Order No.
20/16	20	15	8.6	6.0	13.4	0.9	24.4	1044520801
20S	20	15	11.6	9.5	15.9	0.9/1.25	26.6	1044520802
20	20	15	13.9	12.5	20.9	0.9/1.25	33.3	1044520803
25	25	15	19.9	17.0	26.2	1.25/1.6	40.5	1044520804
32	32	15	26.2	22.9	33.9	1.6/2.0	51.0	1044520805
40	40	15	32.1	26.0	40.4	1.6/2.0	61.0	1044520806
50S	50	15	38.1	35.0	46.7	2.0/2.5	66.5	1044520807
50	50	15	44.0	38.0	53.1	2.0/2.5	77.7	1044520808
63S	63	15	50.0	45.6	59.4	2.5	83.2	1044520809
63	63	15	55.9	54.6	65.9	2.5	88.7	1044520810
75S	75	15	61.9	57.0	72.1	2.5	101.6	1044520811
75	75	15	67.9	60.4	78.5	2.5/3.15	111.1	1044520812
90	90	15	79.3	69.2	90.4	3.15	128.6	1044520813

Dimensions are in Millimetres



**Material:** Brass

**Cable Type:** Steel Wire Armour

Brass indoor and outdoor cable gland for all types of SWA Cable, providing environmental seal on the cable outer sheath. the cable gland also provides mechanical cable retention and electrical continuity via armour wire termination.

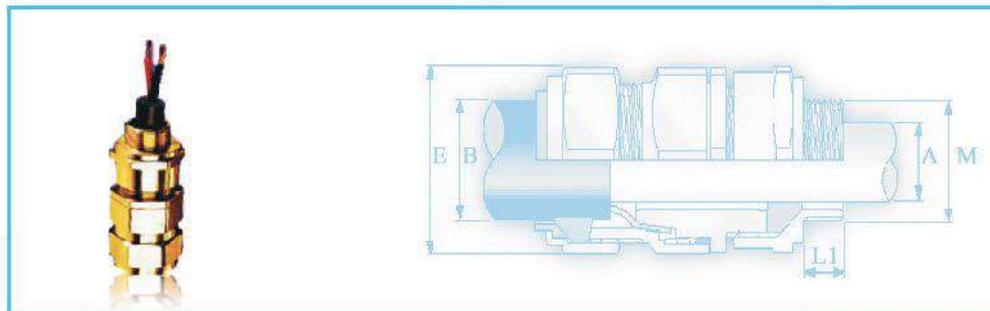
**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Outer Sheath

**Ingress Protection:** IP68

#### Accessories available

Shroud	See Page:E24
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38



Gland Size	Standard Entry Threads 'M'			Cable Dia 'A'		Cable Dia 'B'		Minimum Thread Length L1	Armour Wire Dia	Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG	Min	Max	Min	Max				
20/16	20	1/2"	PG 11	3.1	8.6	6.0	13.4	15	0.9	24.4	1044520901
20S	20	1/2"	PG 13.5	6.1	11.6	9.5	15.9	15	0.9/1.25	26.6	1044520902
20	20	1/2"	PG 16	6.5	13.9	12.5	20.9	15	0.9/1.25	33.3	1044520903
25	25	3/4"	PG 21	11.1	19.9	17.0	26.2	15	1.25/1.6	40.5	1044520904
32	32	1"	PG 29	17.0	26.2	22.9	33.9	15	1.6/2.0	51.0	1044520905
40	40	1-1/4"	PG 36	22.0	32.1	26.0	40.4	15	1.6/2.0	61.0	1044520906
50S	50	1-1/2"	PG 36	29.5	38.1	35.0	46.7	15	2.0/2.5	66.5	1044520907
50	50	2"	PG 42	35.8	44.0	38.0	53.1	15	2.0/2.5	77.7	1044520908
63S	63	2"	PG 48	40.1	49.9	45.6	59.4	15	2.5	83.2	1044520909
63	63	2-1/2"	-	47.2	55.9	54.6	65.9	15	2.5	88.7	1044520910
75S	75	2-1/2"	-	52.8	61.9	57.0	72.1	15	2.5	101.6	1044520911
75	75	3"	-	59.1	67.9	60.4	78.5	15	2.5/3.15	111.1	1044520912
90	90	3"	-	66.6	79.3	69.2	90.4	15	3.15	128.6	1044520913

Dimensions are in Millimetres

**Material:** Brass

**Cable Type:** Steel Wire Armour

Brass indoor and outdoor cable gland for all types of Steel Wire Armour Cable, providing environmental seal on the cable inner & outer sheath. The gland also provides mechanical cable retention and electrical continuity via armour wire termination.

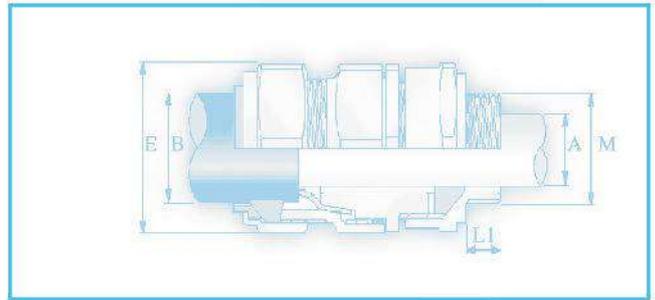
**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Inner & Outer Sheath

**Ingress Protection:** IP68

Accessories available	
Shroud	See Page:E24
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38

# E.P.P.-E1NW



Gland Size	Standard Entry Threads 'M'			Cable Dia 'A'		Cable Dia 'B'		Armour Wire Dia	Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG	Min	Max	Min	Max			
20/16	20	1/2"	PG 11	3.1	8.6	6.0	13.4	0.9	24.4	1044521001
20S	20	1/2"	PG 13.5	6.1	11.6	9.5	15.9	0.9/1.25	26.6	1044521002
20	20	1/2"	PG 16	6.5	13.9	12.5	20.9	0.9/1.25	33.3	1044521003
25	25	3/4"	PG 21	11.1	19.9	17.0	26.2	1.25/1.6	40.5	1044521004
32	32	1"	PG 29	17.0	26.2	22.9	33.9	1.6/2.0	51.0	1044521005
40	40	1-1/4"	PG 36	22.0	32.1	26.0	40.4	1.6/2.0	61.0	1044521006
50S	50	1-1/2"	PG 36	29.5	38.1	35.0	46.7	2.0/2.5	66.5	1044521007
50	50	2"	PG 42	35.6	44.0	38.0	53.1	2.0/2.5	77.7	1044521008
63S	63	2"	PG 48	40.1	49.9	45.6	59.4	2.5	83.2	1044521009
63	63	2-1/2"	-	47.2	55.9	54.6	65.9	2.5	88.7	1044521010
75S	75	2-1/2"	-	52.8	61.9	57.0	72.1	2.5	101.6	1044521011
75	75	3"	-	59.1	67.9	60.4	78.5	2.5/3.15	111.1	1044521012
90	90	3"	-	66.6	79.3	69.2	90.4	3.15	128.6	1044521013

Dimensions are in Millimetres

**Material:** Brass

**Cable Type:** Steel Wire Armour

Brass indoor and outdoor cable gland for all types of Steel Wire Armour Cable, providing environmental seal on the cable inner & outer sheath. The gland also provides mechanical cable retention and electrical continuity via armour wire termination.

**Seal Material:** EPP Thermoplastic Elastomer

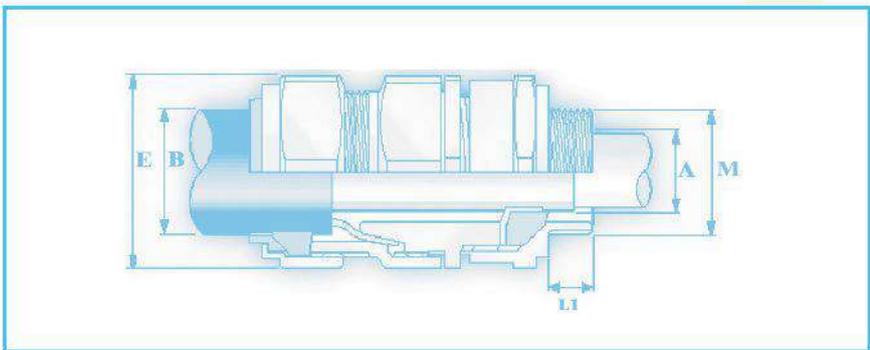
**Seal Area:** Inner & Outer Sheath

**Ingress Protection:** IP68

Accessories available	
Shroud	See Page: E24
Earth Tag	See Page: E28
Lock nut	See Page: E26-E27
Adaptor/Reducer	See Page: E35-E38

Gland Size	Standard Entry Threads 'M'			Minimum Thread Length 'L'	Cable Dia 'A'		Cable Dia 'B'		Armour Wire Dia	Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG		Min	Max	Min	Max			
20S	20	1/2"	PG 13.5	10	9.5	15.9	9.5	15.9	0.9/1.25	26.6	1044521101
20	20	1/2"	PG 16	10	12.5	20.9	12.5	20.9	0.9/1.25	33.3	1044521102
25	25	3/4"	PG 21	10	17.0	26.2	17.0	26.2	1.25/1.6	40.5	1044521103
32	32	1"	PG 29	10	22.9	33.9	22.9	33.9	1.6/2.0	51.0	1044521104
40	40	1-1/4"	PG 36	15	26.0	40.4	26.0	40.4	1.6/2.0	61.0	1044521105
50S	50	1-1/2"	PG 36	15	35.0	46.7	35.0	46.7	2.0/2.5	66.5	1044521106
50	50	2"	PG 42	15	38.0	53.1	38.0	53.1	2.0/2.5	77.7	1044521107
63S	63	2"	PG 48	15	45.6	59.4	45.6	59.4	2.5	83.2	1044521108
63	63	2-1/2"	-	15	54.6	65.9	54.6	65.9	2.5	88.7	1044521109
75S	75	2-1/2"	-	15	57.0	72.1	57.0	72.1	2.5	101.6	1044521110
75	75	3"	-	15	60.4	78.5	60.4	78.5	2.5/3.15	111.1	1044521111
90	90	3"	-	15	69.2	90.4	69.2	90.4	3.15	128.6	1044521112

Dimensions are in Millimetres



E  
20

# E.P.P.-E2W

**Material:** Brass

**Cable Type:** Lead Covered Steel Wire Armour

Brass indoor and outdoor cable gland for all types of Lead Covered SWA Cable, providing environmental seal on the cable inner & outer sheaths. the gland also provides mechanical cable retention and electrical continuity via armour wire termination and earth bonding of Lead Sheath.

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Inner & Outer Sheath

**Ingress Protection:** IP68

Accessories available	
Shroud	See Page:E24
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38

# E.P.P-E1X/Z

**Material:** Brass

**Cable Type:** Wire Braid or Steel Tape Armour

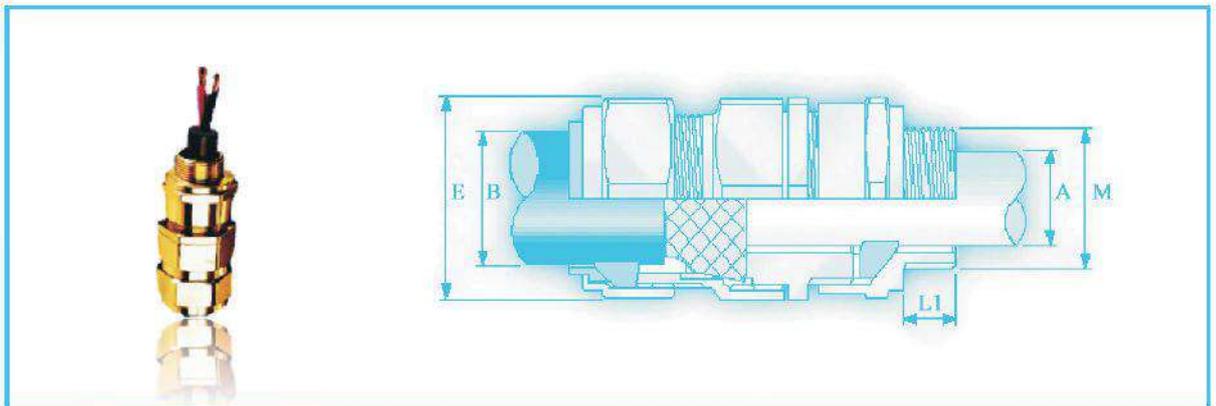
Brass indoor and outdoor cable gland for all types of braided or steel tape armour (S.T.A.) Cables, providing environmental seal on both the cable inner & outer sheaths. The gland also provides mechanical cable retention and electrical continuity via wire braid or tape armour termination.

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Inner & Outer Sheath

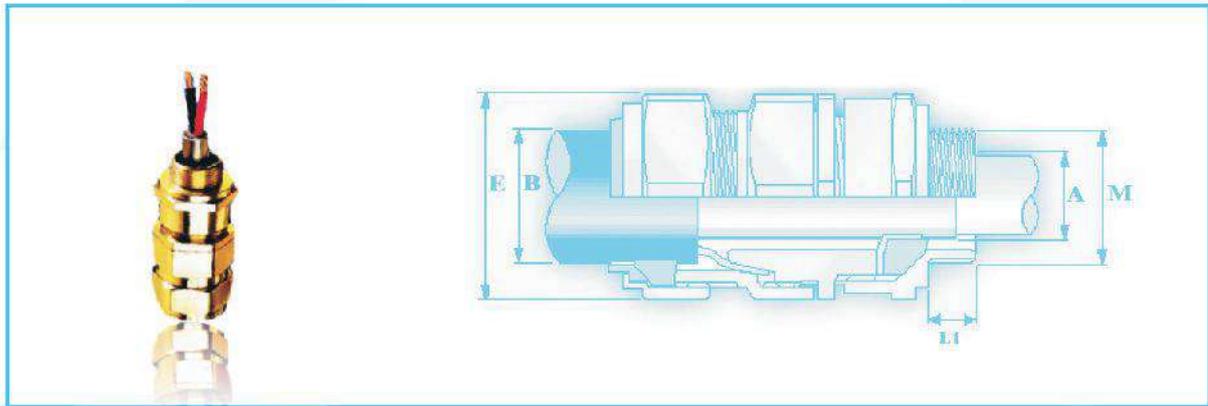
Gland Size	Standard Entry Threads 'M'			Minimum Thread Length 'L1'	Cable Dia 'A'		Cable Dia 'B'		Braid Thickness Max	Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG		Min	Max	Min	Max			
20/16	20	1/2"	PG 11	15	3.1	8.6	6.0	13.4	0.85	24.4	1044521201
20S	20	1/2"	PG 13.5	10	8.1	11.8	9.5	15.9	0.85	26.6	1044521202
20	20	1/2"	PG 16	10	6.5	13.9	12.5	20.9	0.9	33.3	1044521203
25	25	3/4"	PG 21	10	11.1	19.9	17.0	26.2	1.25	40.5	1044521204
32	32	1"	PG 29	10	17.0	26.2	22.9	33.9	1.4	51.0	1044521205
40	40	1-1/4"	PG 36	15	22.0	32.1	28.0	40.4	1.4	61.0	1044521206
50S	50	1-1/2"	PG 36	15	29.5	38.1	35.0	46.7	1.4	66.5	1044521207
50	50	2"	PG 42	15	35.6	44.0	38.0	53.1	1.4	77.7	1044521208
63S	63	2"	PG 48	15	40.1	49.9	45.6	59.4	1.5	83.2	1044521209
63	63	2-1/2"	-	15	47.2	55.9	54.8	65.9	1.5	88.7	1044521210
75S	75	2-1/2"	-	15	52.8	61.9	57.0	72.1	1.5	101.6	1044521211
75	75	3"	-	15	59.1	67.9	60.4	78.5	1.5	111.1	1044521212
90	90	3"	-	15	66.6	79.3	69.2	90.4	1.6	128.6	1044521213

Dimensions are in Millimetres



Accessories available	
Shroud	See Page:E24
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38

# E.P.P-E2X/Z



**Material:** Brass

**Cable Type:** Lead Covered Wire Braid or Steel Tape Armour

Brass indoor and outdoor cable gland for all types of Lead Covered, braided or steel tape armour (S.T.A.) Cables, providing environmental seal on both the cable inner & outer sheaths. the gland also provides mechanical cable retention and electrical continuity via wire braid or tape armour termination and bonding of lead sheath.

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Inner & Outer Sheath

Gland Size	Standard Entry Threads 'M'			Minimum Thread Length 'L1'	Cable Dia 'A'		Cable Dia 'B'		Braid Thickness Max	Across Corners Dia 'E' Max	Order No.
	Metric	NPT	PG		Min	Max	Min	Max			
20S	20	1/2"	PG 13.5	10	6.1	11.6	9.5	15.9	0.85	26.6	1044521201
20	20	1/2"	PG 16	10	6.5	13.9	12.5	20.9	0.9	33.3	1044521202
25	25	3/4"	PG 21	10	11.0	19.9	17.0	26.2	1.25	40.5	1044521203
32	32	1"	PG 29	10	17.9	26.2	22.9	33.9	1.4	51.0	1044521204
40	40	1-1/4"	PG 36	15	22.0	32.1	26.0	40.4	1.4	61.0	1044521205
50S	50	1-1/2"	PG 36	15	29.5	38.1	35.0	46.7	1.4	66.5	1044521206
50	50	2"	PG 42	15	35.6	44.0	38.0	53.1	1.4	77.7	1044521207
63S	63	2"	PG 48	15	40.1	49.9	45.6	59.4	1.5	83.2	1044521208
63	63	2-1/2"	-	15	47.2	55.9	54.6	65.9	1.5	88.7	1044521209
75S	75	2-1/2"	-	15	52.8	61.9	57.0	72.1	1.5	101.6	1044521210
75	75	3"	-	15	59.1	67.9	60.4	78.5	1.5	111.1	1044521211
90	90	3"	-	15	66.6	79.3	69.2	90.4	1.6	128.6	1044521212

Dimensions are in Millimetres

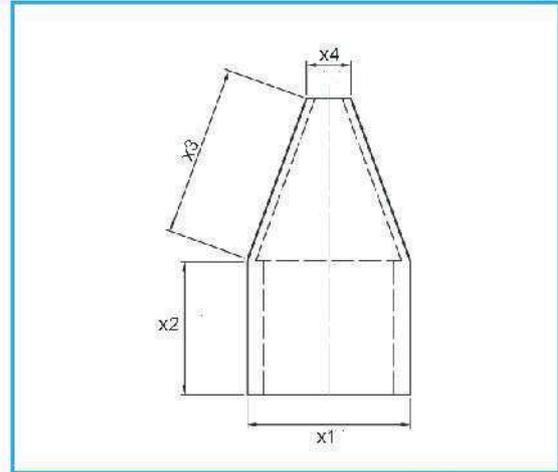
Accessories available	
Shroud	See Page:E24
Earth Tag	See Page:E28
Lock nut	See Page:E26-E27
Adaptor/Reducer	See Page:E35-E38

# Accessories

## RANGE



# LSH SHROUDS



Size	For Cable Gland	X1	X2	X3	X4	Order No.
20	20	33.7	81	43	12	1044530101
25	25	43	82	46	20	1044530102
32	32	53	88	40	28	1044530103
40	40	58.5	81	51	27	1044530104
50S	50S	85	78.5	43.5	24.5	1044530105
50	50	78	90	49	30	1044530106
83S	83S	81	82	48	29	1044530107
83	83	99.5	93	40	34.5	1044530108
75S	75S	99.5	93	47	35	1044530109
75	75	110	87	50	43	1044530110
90	90	133	132	88	51	1044530111

Dimensions are in Millimetres

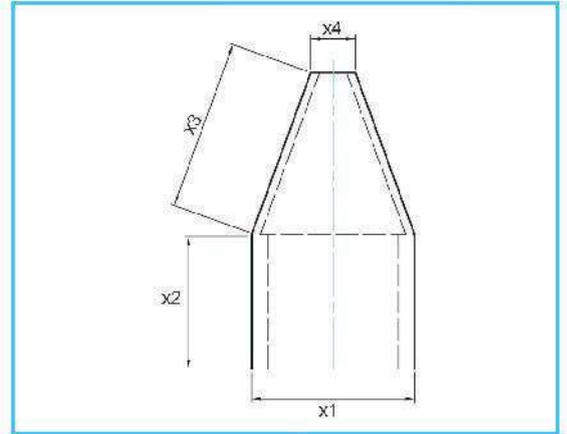
**Material:** PVC

**Color:** Black

EPP manufacture a range of push on shroud which are used to minimise the risk of dirt or foreign substances gathering

On the Cable Gland body, and/or point of cable to gland interface. standard shrouds are produced in Black PVC.

# SSH SHROUDS



Size	For Cable Gland	X1	X2	X3	X4	Order No.
20S	20S	25.5	35	30	10	1044530201
20	20	33	34	31	12	1044530202
25	25	39.5	40	35	18	1044530203
32	32	34.5	44	41	19	1044530204
40	40	53	44	41	21	1044530205
50S	50S	65	44	41	25	1044530208
50	50	57	43	42	27	1044530207
63S	63S	75.5	48	52	26	1044530208
63	63	81	49	51	30	1044530209
75S	75S	81.5	49	51	31	1044530210
75	75	94.5	48	52	33	1044530211
90	90	114.5	60	60	45	1044530212

Dimensions are in Millimetres

**Material:** PVC

**color:** Black

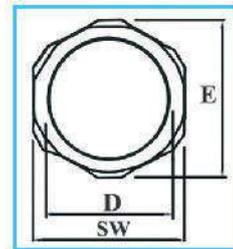
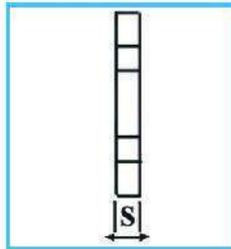
EPP manufacture a range of push on shroud which are used to minimise the risk of dirt or foreign substances gathering on the Cable Gland body, and/or point of cable to gland interface. standard shrouds are produced in Black PVC.

# LOCKNUTS

Brass Locknuts are the recommended items used in securing brass cable glands to a gland plate or into equipment. Zinc Plated Mild Steel Locknuts are a cost effective alternative to brass locknuts and should be used only in dry, low humidity conditions. EPP can also produce Aluminium locknut which is used for hostile areas (anti corrosion).



# E.P.P.-KM

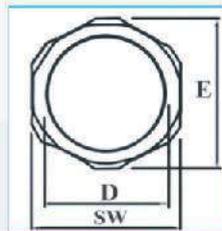
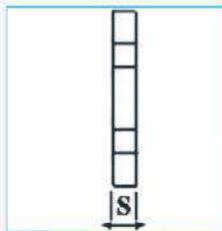


Type	D	SW	E	S	Order No.
EPP-KM 16	M 16x1.5	22	25	4	1044530301
EPP-KM 18	M 18x1.5	22	25	4	1044530302
EPP-KM 24	M 24x1.5	30	35	5	1044530303
EPP-KM 30	M 30x2	36	42	6	1044530304
EPP-KM 36	M 36x2	41	47	7	1044530305
EPP-KM 45	M 45x2	55	64	8	1044530306
EPP-KM 56	M 56x2	65	70	9	1044530307
EPP-KM 72	M 72x2	85	92	10	1044530308
EPP-KM 80	M 80x2	90	100	11	1044530309
EPP-KM 105	M 105x2	120	130	14	1044530310

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Hexagonal locknut, with metric thread,  
DIN 89 280

# E.P.P.-LM

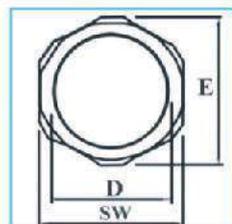
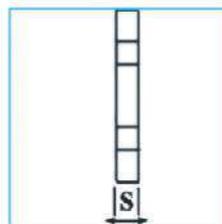


Type	D	SW	E	S	Order No.
EPP-LM 12	M 12x1.5	15	16.5	2.8	1044530401
EPP-LM 16	M 16x1.5	19	21	2.8	1044530402
EPP-LM 20	M 20x1.5	24	27	3	1044530403
EPP-LM 25	M 25x1.5	30	33.5	3.5	1044530404
EPP-LM 32	M 32x1.5	36	40	4	1044530405
EPP-LM 40	M 40x1.5	46	50	5	1044530406
EPP-LM 50	M 50x1.5	60	65	5	1044530407
EPP-LM 63	M 63x1.5	70	75	6	1044530408

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Hexagonal locknut, with metric thread.

# E.P.P.-LPG

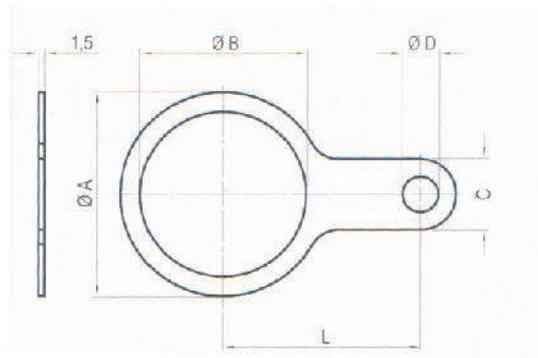


Type	NOMINAL SIZE	D	SW	E	S	Order No.
EPP-LPG 7	PG 7	12.5	15	16.5	2.8	1044530409
EPP-LPG 9	PG 9	15.2	18	20	2.8	1044530410
EPP-LPG 11	PG 11	18.6	21	24	3	1044530411
EPP-LPG 13.5	PG 13.5	20.4	23	26	3	1044530412
EPP-LPG 16	PG 16	22.5	26	29	3	1044530413
EPP-LPG 21	PG 21	28.3	32	36	3.5	1044530414
EPP-LPG 29	PG 29	37	41	45	4	1044530415
EPP-LPG 36	PG 36	47	51	56	5	1044530416
EPP-LPG 42	PG 42	54	60	65	5	1044530417
EPP-LPG 48	PG 48	59.3	64	69	5.5	1044530418

Dimensions are in Millimetres

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# EARTH TAGS



Thread ISO 228	Thread ISO 262	Thread Pg	Thread NPT	Dimensions (mm)					Order No.
				ØA	ØB	C	ØD	L	
1/4"	M12x1.5	Pg7		30.0	14.0	12.0	6.5	30.0	1044530501
3/8"	M16x1.5	Pg9	1/4"	30.0	16.0	12.0	6.5	30.0	1044530502
		Pg11	3/8"	30.0	18.0	12.0	6.5	30.0	1044530503
1/2"	M20x1.5	Pg13.5	1/2"	30.0	20.0	12.0	6.5	30.0	1044530504
3/4"	M25x1.5	Pg16	3/4"	36.0	28.0	15.0	6.5	35.0	1044530505
		Pg16		36.0	24.0	15.0	6.5	35.0	1044530507
1"	M32x1.5	Pg21	1"	52.0	34.0	18.0	9.0	50.0	1044530508
		Pg21		52.0	30.0	18.0	9.0	50.0	1044530509
1 1/4"	M40x1.5	Pg29	1 1/4"	52.0	43.0	18.0	9.0	50.0	1044530510
		Pg29		52.0	42.0	18.0	9.0	50.0	1044530511
1 1/2"	M50x1.5	Pg36	1 1/2"	62.0	50.0	22.0	11.0	60.0	1044530512
		Pg36		62.0	52.0	22.0	11.0	60.0	1044530513
		Pg42		62.0	49.0	22.0	11.0	60.0	1044530514
2"	M63x1.5	Pg48	2"	75.0	56.0	22.0	11.0	70.0	1044530515
		Pg48		75.0	56.0	22.0	11.0	70.0	1044530516
	M63x1.5			75.0	65.0	22.0	11.0	70.0	1044530517
2 1/2"	M75x1.5			88.0	77.0	22.0	11.0	80.0	1044530518
			2 1/2"	88.0	75.0	22.0	11.0	80.0	1044530519
				88.0	75.0	22.0	11.0	80.0	1044530520
3"	M90x2		3"	105.0	90.0	30.0	14.0	100.0	1044530521
				105.0	92.0	30.0	14.0	100.0	1044530522

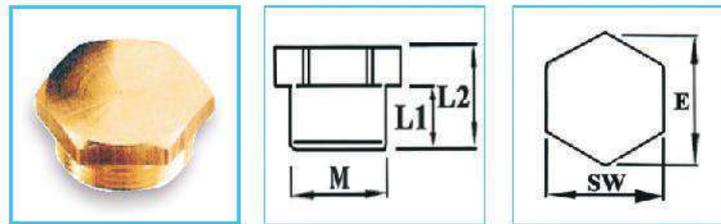
Dimensions are in Millimetres

**Material:** Brass

EPP Slip on earth tags, installed between the cable gland and equipment, provide an earth bond connection. The following table of fault current rating relates to EPP Brass Earth Tags. They are available in nickel plated brass.

# STOPPING PLUGS

## E.P.P.-MM



Type	Thread	L1	L2	SW	E	Order No.
EPP-MM 18	M 18x1.5	11	15	22	25	1044530601
EPP-MM 24	M 24x1.5	9	14	27	31	1044530602
EPP-MM 30	M 30x2	8	14	32	37	1044530603
EPP-MM 36	M 36x2	11.5	17.5	41	47	1044530604
EPP-MM 45	M 45x2	14	21	46	53	1044530605
EPP-MM 56	M 56x2	15	23	60	69	1044530606
EPP-MM 72	M 72x2	10	21	27	78	1044530607

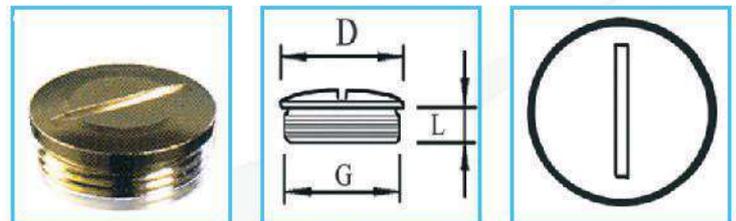
Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Stopping end, with metric thread.

## E.P.P.-NLPG

Type	THREAD	G	L	D	Order No.
EPP-NLPG 7	PG 7	PG 7	11	14	1044530608
EPP-NLPG 9	PG 9	PG 9	11	17	1044530609
EPP-NLPG 11	PG 11	PG 11	11	20	1044530610
EPP-NLPG 13.5	PG 13.5	PG 13.5	11	22	1044530611
EPP-NLPG 16	PG 16	PG 16	11	24	1044530612
EPP-NLPG 21	PG 21	PG 21	11	30	1044530613
EPP-NLPG 29	PG 29	PG 29	11	39	1044530614
EPP-NLPG 36	PG 36	PG 36	11	50	1044530615
EPP-NLPG 42	PG 42	PG 42	11	57	1044530616
EPP-NLPG 48	PG 48	PG 48	11	64	1044530617

Dimensions are in Millimetres

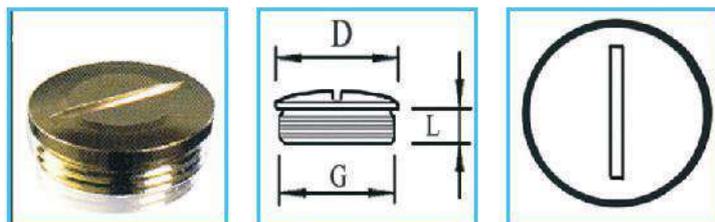


**Material:** Brass Nickel - Plated  
Stopping plugs, with long PG thread.

Type	THREAD	G	L	D	Order No.
EPP-NM 12	M 12x1.5	M 12x1.5	5	16	1044530701
EPP-NM 16	M 16x1.5	M 16x1.5	6	20	1044530702
EPP-NM 20	M 20x1.5	M 20x1.5	6.5	22	1044530703
EPP-NM 25	M 25x1.5	M 25x1.5	7	28	1044530704
EPP-NM 32	M 32x1.5	M 32x1.5	8	35	1044530705
EPP-NM 40	M 40x1.5	M 40x1.5	8	45	1044530706
EPP-NM 50	M 50x1.5	M 50x1.5	9	55	1044530707
EPP-NM 63	M 63x1.5	M 63x1.5	10	68	1044530708

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Stopping plug, with metric thread.

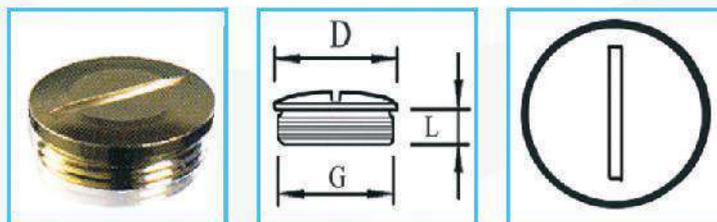


## E.P.P.-NPG

Type	THREAD	G	L	D	Order No.
EPP-NPG 7	PG 7	PG 7	5	14	1044530709
EPP-NPG 9	PG 9	PG 9	6	17	1044530710
EPP-NPG 11	PG 11	PG 11	6	20	1044530711
EPP-NPG 13.5	PG 13.5	PG 13.5	6.5	22	1044530712
EPP-NPG 16	PG 16	PG 16	6.5	24	1044530713
EPP-NPG 21	PG 21	PG 21	7	30	1044530714
EPP-NPG 29	PG 29	PG 29	8	39	1044530715
EPP-NPG 36	PG 36	PG 36	9	50	1044530716
EPP-NPG 42	PG 42	PG 42	10	57	1044530717
EPP-NPG 48	PG 48	PG 48	10	64	1044530718

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Stopping plug, with PG thread.

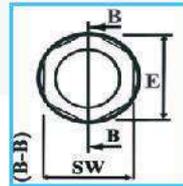
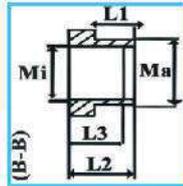
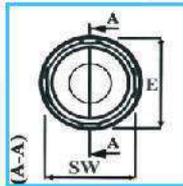
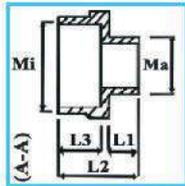


E.P.P.-NM

E  
30

Buyer always state the ordering number when ordering

# E.P.P-IMPG

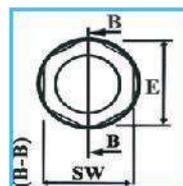
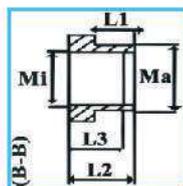
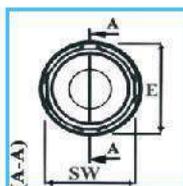
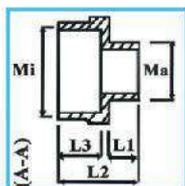


Material: Brass Nickel - Plated  
Adaptor, Metric-PG

Type	Ma	NOMINAL SIZE	Mi	Internal diameter	L1	L3	L2	E	Form	Order No.
EPP-IMPG 12/7	M 12x1.5	PG 7	12.5	8	5	9	15	14	A	1044530801
EPP-IMPG 12/9	M 12x1.5	PG 9	15.2	8	5	9	15	17	A	1044530802
EPP-IMPG 16/9	M 12x1.5	PG 9	15.2	12	5	9	15.5	18	A	1044530803
EPP-IMPG 16/11	M 12x1.5	PG 11	18.6	12	6	9	16.5	20	A	1044530804
EPP-IMPG 20/11	M 12x1.5	PG 11	18.6	15	6	10	17	22	A	1044530805
EPP-IMPG 20/13.5	M 12x1.5	PG 13.5	20.4	15	6	11	18.5	22	A	1044530806
EPP-IMPG 20/16	M 12x1.5	PG 16	22.5	15	6	12	19.5	24	A	1044530807
EPP-IMPG 25/13.5	M 12x1.5	PG 13.5	20.4	-	7	10	10	28	B	1044530808
EPP-IMPG 25/16	M 12x1.5	PG 16	22.5	-	7	10	10	28	A	1044530809
EPP-IMPG 25/21	M 12x1.5	PG 21	28.3	20	7	13	22	30	A	1044530810
EPP-IMPG 32/16	M 12x1.5	PG 16	22.5	-	8	11.5	11.5	34	B	1044530811
EPP-IMPG 32/21	M 12x1.5	PG 21	28.3	-	8	11.5	11.5	34	B	1044530812
EPP-IMPG 32/29	M 12x1.5	PG 29	37	27	8	15	24.5	39	A	1044530813
EPP-IMPG 40/21	M 12x1.5	PG 21	28.3	-	8	11.5	11.5	45	B	1044530814
EPP-IMPG 40/29	M 12x1.5	PG 29	37	-	8	11.5	11.5	45	B	1044530815
EPP-IMPG 50/29	M 12x1.5	PG 29	37	-	9	12.5	12.5	55	B	1044530816
EPP-IMPG 50/42	M 12x1.5	PG 42	54	44	9	20	31	57	A	1044530817
EPP-IMPG 63/36	M 12x1.5	PG 36	47	-	10	14	14	68	B	1044530818
EPP-IMPG 63/42	M 12x1.5	PG 42	54	-	10	14	14	68	B	1044530819
EPP-IMPG 63/48	M 12x1.5	PG 48	59.3	54	10	21	33	68	A	

Dimensions are in Millimetres

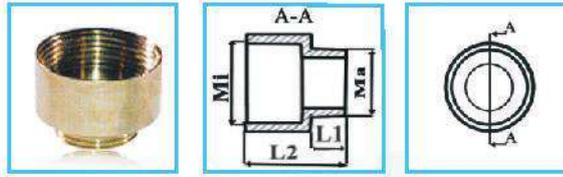
# E.P.P-IPGM



Material: Brass Nickel - Plated  
Adaptor, PG - metric

Type	NOMINAL SIZE	Ma	Mi	L1	L3	L2	SW	E	Order No.
EPP-IPGM 7/12	PG 7	12.5	M 12x1.5	5	5.5	15	14	15.5	1044530820
EPP-IPGM 9/16	PG 9	15.2	M 16x1.5	6	5.5	16	19	21	1044530821
EPP-IPGM 11/16	PG 11	18.6	M 16x1.5	6	5.5	18	22	22	1044530822
EPP-IPGM 13.5/20	PG 13.5	20.4	M 20x1.5	6.5	6.5	17.5	24	26	1044530823
EPP-IPGM 16/20	PG 16	22.5	M 20x1.5	6.5	6.5	17.5	27	29	1044530824
EPP-IPGM 16/25	PG 16	22.5	M 25x1.5	6.5	7.5	18.5	30	33.5	1044530825
EPP-IPGM 21/25	PG 21	28.3	M 25x1.5	7	7.5	19	32	35.5	1044530826
EPP-IPGM 21/32	PG 21	28.3	M 32x1.5	7	8.5	20	36	39	1044530827
EPP-IPGM 29/40	PG 29	37	M 40x1.5	8	8.5	21	43	46	1044530828
EPP-IPGM 36/50	PG 36	47	M 50x1.5	9	9	23	55	60	1044530829
EPP-IPGM 42/63	PG 42	54	M 63x1.5	10	10	25	65	71	1044530830

Dimensions are in Millimetres

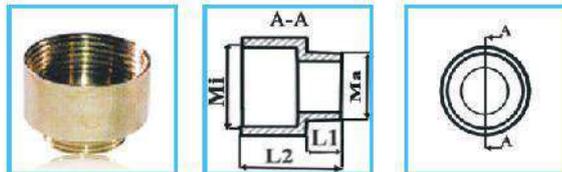


**Material:** Brass - Nickel Plated  
 Enlargement adaptor, Metric connection thread.

Type	Ma	Mi	L1	L3	L2	E	Order No.
EPP-IM 12/16	M 12x1.5	M 16x1.5	5	7.5	15	18	1044530901
EPP-IM 16/20	M 16x1.5	M 20x1.5	6	8.5	17.5	22	1044530902
EPP-IM 20/25	M 20x1.5	M 25x1.5	6.5	8.5	19	27	1044530903
EPP-IM 25/32	M 25x1.5	M 32x1.5	6.5	9.5	21	34	1044530904
EPP-IM 32/40	M 32x1.5	M 40x1.5	7	9.5	23	42	1044530905
EPP-IM 40/50	M 40x1.5	M 50x1.5	8	11	31	53	1044530906
EPP-IM 50/63	M 50x1.5	M 63x1.5	9			65	1044530907

Dimensions are in Millimetres

# E.P.P-IPG

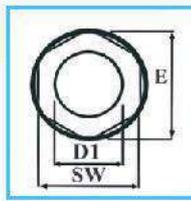
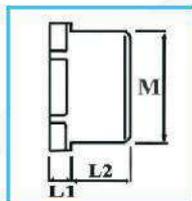


**Material:** Brass - Nickel Plated  
 Enlargement adaptor, PG connection thread.  
 L3=Screw-in thread length

Type	NOMINAL SIZE	Ma	NOMINAL SIZE	Internal Diameter	D	L1	L3	L2	Order No.
EPP-IPG 7/9	PG 7	12.5	PG 9	10	17	5	7	15	1044530908
EPP-IPG 9/11	PG 9	15.2	PG 11	12.5	20	6	7	16.5	1044530909
EPP-IPG 9/13.5	PG 9	15.2	PG 13.5	12.5	22	6	7.5	17.5	1044530910
EPP-IPG 11/13.5	PG 11	18.6	PG 13.5	15	22	6	7.5	17.5	1044530911
EPP-IPG 11/16	PG 11	18.6	PG 16	15	24	6	8.5	18.5	1044530912
EPP-IPG 11/21	PG 11	18.6	PG 21	15	30	6	8.5	21	1044530913
EPP-IPG 13.5/16	PG 13.5	20.4	PG 16	17	24	6.5	7.5	19	1044530914
EPP-IPG 13.5/21	PG 13.5	20.4	PG 21	17	30	6.5	8.5	21	1044530915
EPP-IPG 16/21	PG 16	22.5	PG 21	18.5	30	6.5	8.5	21	1044530916
EPP-IPG 16/29	PG 16	22.5	PG 29	18.5	39	7	9	23	1044530917
EPP-IPG 21/29	PG 21	28.3	PG 29	24	39	7	9	23	1044530918
EPP-IPG 29/36	PG 29	37	PG 36	32	50	8	12	27.5	1044530919
EPP-IPG 36/42	PG 36	47	PG 42	42	57	9	15	31	1044530920
EPP-IPG 42/48	PG 42	54	PG 48	48	64	10	17	33	1044530921

Dimensions are in Millimetres

# E.P.P.-JM

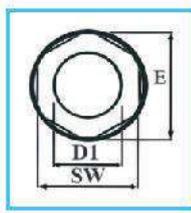
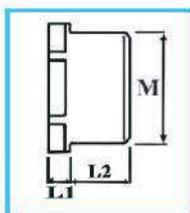


**Material:** Brass Nickel - Plated  
Pressure screw / Bushes, with  
metric connection thread.

Type	M	L2	L1	D1	SW	E	Order No.
EPP-JM 12	M 12x1.5	5.5	2.5	8	12	13	1044531001
EPP-JM 16	M 16x1.5	6	2.5	12	16	18	1044531002
EPP-JM 20	M 20x1.5	7.5	3	15	20	22	1044531003
EPP-JM 25	M 25x1.5	8	3.5	20	25	28	1044531004
EPP-JM 32	M 32x1.5	8	4	27	32	35	1044531005
EPP-JM 40	M 40x1.5	9.5	4.5	35	40	43	1044531006
EPP-JM 50	M 50x1.5	10.5	6	43	50	54	1044531007
EPP-JM 63	M 63x1.5	11.5	6	55	63	71	1044531008

Dimensions are in Millimetres

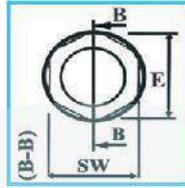
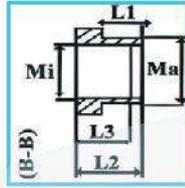
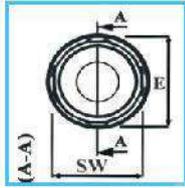
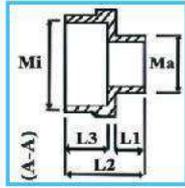
# E.P.P.-JPG



**Material:** Brass Nickel - Plated  
Pressure screw / Bushes, with  
PG thread.

Type	NOMINAL SIZE	M	L2	L1	D1	SW	E	Order No.
EPP-JPG 7	PG 7	12.5	5.5	2.5	10	13	14	1044531009
EPP-JPG 9	PG 9	15.2	6	2.5	12	15	17	1044531010
EPP-JPG 11	PG 11	18.6	6	3	15	18	20	1044531011
EPP-JPG 13.5	PG 13.5	20.4	7.5	3	17	20	22	1044531012
EPP-JPG 16	PG 16	22.5	7.5	3	18	22	24	1044531013
EPP-JPG 21	PG 21	28.3	8	3.5	24	28	31	1044531014
EPP-JPG 29	PG 29	37	8	4	32	37	41	1044531015
EPP-JPG 36	PG 36	47	9.5	4.5	42	47	51	1044531016
EPP-JPG 42	PG 42	54	10	6	48	54	59	1044531017
EPP-JPG 48	PG 48	59.3	11.5	6	52	60	65	1044531018

Dimensions are in Millimetres



# IMNPT

Type	NOMINAL SIZE	Ma	NOMINAL SIZE	Mi	SW	E	L1	L3	L2	Order No.
EPP-IMNPT 20-3/8	20	M 20x1.5	3/8"	16.6	22	24	10	8	20	1044531101
EPP-IMNPT 20-1/2	20	M 20x1.5	1/2"	20.7	27	29	10	10	22.5	1044531102
EPP-IMNPT 25-3/4	25	M 25x1.5	3/4"	25.9	32	25	8	14	25	1044531103
EPP-IMNPT 32-1	32	M 32x1.5	1"	32.8	40	43	6	21	30	1044531104

Dimensions are in Millimetres

**Material:** Brass Nickel - Plated  
Adaptor, metric - NPT

# EPP-XM (Reducer) EPP-YM (Adaptor)



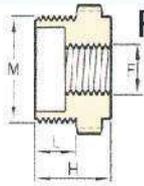
**Material:** EPP offer a wide range of Thread Conversion Adaptors and Reducers, for Industrial applications, which provide a means of connection between cable entry devices and equipment having dis-similar.

#### NOTE:

- When ordering Adaptors and Reducers always state the Male tread size first.
- no more than one conversion adaptor or reducer should be used at one time on any given cable entry.
- Stopping Plugs should be fitted into unused of the equipment, and not into an adaptor or reducer.
- The female connection thread of a Thread conversion Adaptor shall 'step' not more than on 'size' up from the male connection thread, or equal to one 'size' up in the case of a thread gender change.

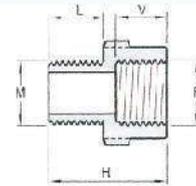
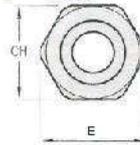
The range of EPP Adaptor and Reducers are available in a variety of materials and finishes including Brass and Aluminum, with optional Nickel Plating of Brass components.





Reducer-EPP-XM

EPP-YM



	CH	E	L	V	H
E01	20	22	15	15	33
E02	24	26.4	15	15	33
E03	26	28.6	15	15	33
E04	37	35	15	15	33
E05	40	44	15	15	33
E06	45	49.5	15	15	33
E07	55	60	15	15	33
E08		70	15	15	33
E09		85	15	20	38
E10		100	15	20	38
E11		85	20	20	43
E12		100	20	20	43
E13	40	44	16	15	34
E14	45	49.5	16	15	34
E15	55	60	16	15	34
E16		70	16	15	34
E17		85	16	20	39
E18		100	16	20	39
E19	45	49.5	17	15	35
E20	55	60	17	15	35
E21		70	17	15	35
E22		85	17	20	40
E23		100	17	20	40
E24		70	18	15	36
E25		85	18	20	41
E26		100	18	20	41
E27	26	28.6	18	15	36
E28	32	35	18	15	36
E29	40	44	18	15	36
E30	45	49.5	18	15	36
E31	55	60	18	15	36
E32	40	44	22	15	40
E33	45	49.5	22	15	40
E34	55	60	22	15	40
E35		70	22	15	40
E36		85	22	20	45
E37		100	22	20	45
E38	55	60	24	15	42
E39		70	24	15	42
E40		85	24	20	47
E41		100	24	20	47
E42		85	28	20	51
E43		100	28	20	51
E44	40	44	23	15	41
E45	45	49.5	23	15	41
E46	55	60	23	15	41
E47		70	23	15	41
E48		85	23	20	46
E49		100	23	20	46
E50	40	44	15	16	34
E51	50	55	15	17	35
E52	55	60	15	17	35
E53		70	15	18	36
E54		95	15	20	38
E55		95	20	20	43
E56	40	44	16	16	35
E57	50	55	16	17	36
E58	55	60	16	17	36
E59		70	16	18	37
E60		95	16	20	39

	CH	E	L	V	H
E61	50	55	17	17	37
E62	55	60	17	17	37
E63		70	17	18	38
E64		95	17	20	40
E65		70	18	18	39
E66		95	18	20	41
E67	40	44	18	16	37
E68	50	55	18	17	38
E69	55	60	18	17	38
E70	40	44	22	16	41
E71	50	55	22	17	42
E72	55	60	22	17	42
E73		70	22	18	43
E74		95	22	20	45
E75	55	60	24	17	44
E76		70	24	18	45
E77		95	24	20	47
E78		95	28	20	51
E79	40	44	23	16	42
E80	50	55	23	17	43
E81	55	60	23	17	43
E82		10	23	18	44
E83		95	23	20	46
E84	16	17.6	15	15	33
E85	27	29.7	15	15	33
E86	36	39.6	15	15	33
E87		60	15	20	38
E88		65	15	20	38
E89	30	33	15	15	33
E90		70	15	20	38
E91	36	39.6	15	16	34
E92		60	16	20	39
E93		65	16	20	39
E94		60	17	20	40
E95		65	17	20	40
E96		65	18	20	41
E97		60	20	20	43
E98		65	20	20	43
E99	24	26.4	18	15	36
E100	27	29.7	18	15	36
E101	36	39.6	18	15	36
E102		60	18	20	41
E103	36	39.6	22	15	40
E104		60	22	20	45
E105		65	22	20	45
E106		60	24	20	47
E107		65	24	20	47
E108	36	39.6	23	15	41
E109		60	23	20	46
E110		65	23	20	46
E111	26	28.6	15	18	36
E112	32	35	15	18	36
E113	40	44	15	22	40
E114	50	55	15	22	40
E115	55	60	15	24	42
E116		70	15	24	42
E117		80	15	28	46
E118		95	15	28	46
E119		80	20	28	51
E120		95	20	28	51

	CH	E	L	V	H
E121	40	44	16	22	41
E122	50	55	16	22	41
E123	55	60	16	24	43
E124		70	16	24	43
E125		80	16	28	47
E126		95	16	28	47
E127	50	55	17	22	42
E128	55	60	17	24	44
E129		70	17	24	44
E130		80	17	28	48
E131		95	17	28	48
E132		70	18	24	45
E133		80	18	28	49
E134		95	18	28	49
E135		70	20	24	47
E136	26	28.6	18	18	39
E137	32	35	18	18	39
E138	40	44	18	22	43
E139	50	55	18	22	43
E140	55	60	18	24	45
E141	40	44	22	22	47
E142	50	55	22	22	47
E143	55	60	22	24	49
E144		70	22	24	49
E145		80	22	28	53
E146		95	22	28	53
E147	55	60	24	24	51
E148		70	24	24	51
E149		80	24	28	55
E150		95	24	28	55
E151		80	28	28	59
E152		95	28	28	59
E153	40	44	23	22	48
E154	50	55	23	22	48
E155	55	60	23	24	50
E156		70	23	24	50
E157		80	23	28	54
E158		95	23	28	54
E159	40	44	15	23	41
E160	50	55	15	23	41
E161		85	15	28	46
E162		85	20	28	51
E163	40	44	16	23	42
E164	50	55	16	23	42
E165		85	16	28	47
E166	50	55	17	23	43
E167		85	17	28	48
E168		85	18	28	49
E169	50	55	18	23	44
E170	40	44	22	23	48
E171	50	55	22	23	48
E172		85	22	28	53
E173		85	24	28	55
E174		85	28	28	59
E175	40	44	23	23	49
E176	50	55	23	23	49
E177		85	23	28	54
E178		60	20	15	38
E179		70	20	15	38

	CH	E	L	H
R01	20	22	15	26
R02	24	26.4	15	26
R03	30	33	15	26
R04	36	39.6	15	26
R05	45	49.5	15	26
R06	55	60	15	29
R07		70	15	25
R08		80	20	30
R09		95	20	30
R10	26	28.6	15	26
R11	36	39.6	16	27
R12	45	49.5	17	28
R13	50	55	17	31
R14		65	18	28
R15		90	20	30
R16	32	35	15	26
R17	40	44	15	26
R18	50	55	15	29
R19		60	20	30
R20		65	20	30
R21	24	26.4	18	29
R22	27	29.7	18	29
R23	36	39.6	22	33
R24	45	49.5	22	33
R25	50	55	24	38
R26		65	24	34
R27		74	28	38
R28		90	28	38
R29	36	39.6	23	34
R30	45	49.5	23	34
R31		80	28	38

E 36

Please always state the ordering number when ordering

# ADAPTOR TABLE DIMENSIONS

			ISO 262									
	MALE	FEMALE	M12x1'5	M16x1'5	M20x1'5	M25x1'5	M32x1'5	M40x1'5	M50x1'5	M63x1'5	M75x1'5	M90x2
ISO 262	M12x1'5		E01	E02	E03	E04	E05	E06	E07	E08	E09	E10
	M16x1'5		R01	E02	E03	E04	E05	E06	E07	E08	E09	E10
	M20x1'5		R02	R02	E03	E04	E05	E06	E07	E08	E09	E10
	M25x1'5		R03	R03	R03	E04	E05	E06	E07	E08	E09	E10
	M32x1'5		R04	R04	R04	R04	E05	E06	E07	E08	E09	E10
	M40x1'5		R05	R05	R05	R05	R05	E06	E07	E08	E09	E10
	M50x1'5		R06	R06	R06	R06	R06	R06	E07	E08	E09	E10
	M63x1'5		R07	E08	E09	E10						
	M75x1'5		R08	E11	E12							
M90x2		R09	R09	R09	R09	R09	R09	R09	R09	E12		

		ISO 228									
		G1/4"	G3/8"	G1/2"	G3/4"	G1"	G1" 1/4	G1" 1/2	G2"	G2" 1/2	G3"
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	R02	E03	E04	E05	E06	E07	E08	E09	E10		
R03	R03	R03	E04	E05	E06	E07	E08	E09	E10		
R04	R04	R04	R04	E05	E06	E07	E08	E09	E10		
R05	R05	R05	R05	R05	E06	E07	E08	E09	E10		
R06	R06	R06	R06	R06	R06	E07	E08	E09	E10		
R07	R07	R07	R07	R07	R07	R07	E08	E09	E10		
R08	R08	R08	R08	R08	R08	R08	R08	E09	E10		
R09	R09	R09	R09	R09	R09	R09	R09	R09	E10		

		DIN 40430									
		Pg7	Pg9	Pg11	Pg13.5	Pg16	Pg21	Pg29	Pg36	Pg42	Pg48
E84	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	
R01	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	
R02	R02	E03	E04	E05	E06	E07	E08	E09	E10		
R03	R03	R03	E04	E05	E06	E07	E08	E09	E10		
R04	R04	R04	R04	E05	E06	E07	E08	E09	E10		
R05	R05	R05	R05	R05	E06	E07	E08	E09	E10		
R06	R06	R06	R06	R06	R06	E07	E08	E09	E10		
R07	R07	R07	R07	R07	R07	R07	E08	E09	E10		
R08	R08	R08	R08	R08	R08	R08	R08	E09	E10		
R09	R09	R09	R09	R09	R09	R09	R09	R09	E10		

		ISO 228									
		G1/4"	G3/8"	G1/2"	G3/4"	G1"	G1" 1/4	G1" 1/2	G2"	G2" 1/2	G3"
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	R02	E03	E04	E05	E06	E07	E08	E09	E10		
R03	R03	R03	E04	E05	E06	E07	E08	E09	E10		
R04	R04	R04	R04	E13	E14	E15	E16	E17	E18		
R05	R05	R05	R05	R05	E19	E20	E21	E22	E23		
R06	R06	R06	R06	R06	R06	E07	E08	E09	E10		
R07	R07	R07	R07	R07	R07	R07	E24	E25	E26		
R08	R08	R08	R08	R08	R08	R08	R08	E11	E12		
R09	R09	R09	R09	R09	R09	R09	R09	R09	E12		

E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R03	R03	R03	E04	E05	E06	E07	E08	E09	E10		
R11	R11	R11	R11	E06	E07	E08	E09	E10	E11		
R12	R12	R12	R12	R12	E06	E07	E08	E09	E10		
R13	R13	R13	R13	R13	R13	E06	E07	E08	E09		
R14	E05	E06	E07								
R08	E11	E12									
R15	E12										

E84	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	
R01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R03	R03	R03	E04	E05	E06	E07	E08	E09	E10		
R11	R11	R11	R11	R11	E09	E10	E11	E12	E13		
R12	R12	R12	R12	R12	R12	E19	E20	E21	E22		
R13	E20	E21	E22								
R14	E06	E07									
R08											
R15											

		DIN 40430									
		Pg7	Pg9	Pg11	Pg13.5	Pg16	Pg21	Pg29	Pg36	Pg42	Pg48
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R16	R16	R16	E04	E05	E06	E07	E08	E09	E10		
R17	R17	R17	R17	R17	E06	E07	E08	E09	E10		
R18	R18	R18	R18	R18	R18	E07	E08	E09	E10		
R19	R19	R19	R19	R19	R19	E178	E179	E180	E181		
R09	R09	R09	R09	R09	R09	R09	E179	E180	E181		

E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R16	R16	R16	E04	E05	E06	E07	E08	E09	E10		
R17	R17	R17	R17	R17	E06	E07	E08	E09	E10		
R18	R18	R18	R18	R18	R18	E07	E08	E09	E10		
R19	E08	E09	E10								
R20	E09	E10									

E84	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R02	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R10	R10	E03	E04	E05	E06	E07	E08	E09	E10		
R16	R16	R16	R16	R16	E06	E07	E08	E09	E10		
R17	R17	R17	R17	R17	R17	E07	E08	E09	E10		
R18	R18	R18	R18	R18	R18	E08	E09	E10	E11		
R19	E09	E10	E11								
R20	E10	E11									

		NPT									
		1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT	3" NPT
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R21	R21	E27	E28	E29	E30	E31	E32	E33	E34		
R22	R22	R22	E28	E29	E30	E31	E32	E33	E34		
R23	R23	R23	R23	E32	E33	E34	E35	E36	E37		
R24	R24	R24	R24	R24	E33	E34	E35	E36	E37		
R25	R25	R25	R25	R25	R25	E38	E39	E40	E41		
R26	R26	R26	R26	R26	R26	R26	E39	E40	E41		
R27	R27	R27	R27	R27	R27	R27	R27	E42	E43		
R28	R28	R28	R28	R28	R28	R28	R28	R28	E43		

E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R21	R21	E27	E28	E29	E30	E31	E32	E33	E34		
R22	R22	R22	E28	E29	E30	E31	E32	E33	E34		
R23	R23	R23	R23	E32	E33	E34	E35	E36	E37		
R24	R24	R24	R24	R24	E33	E34	E35	E36	E37		
R25	R25	R25	R25	R25	R25	E38	E39	E40	E41		
R26	E39	E40	E41								
R27	E42	E43									
R28	E43										

E84	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	
R01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R21	R21	E99	E27	E100	E101	E30	E31	E102	E96		
R22	R22	R22	R22	E100	E101	E30	E31	E102	E96		
R23	R23	R23	R23	R23	E103	E33	E34	E104	E105		
R24	R24	R24	R24	R24	R24	E33	E34	E104	E105		
R25	R25	R25	R25	R25	R25	R25	E38	E106	E107		
R26	R26	R26	R26	R26	R26	R26	R26	E107	E108		
R27	R27	R27	R27	R27	R27	R27	R27	R27	E108		
R28	R28	R28	R28	R28	R28	R28	R28	R28	E109		

		ISO 7 / UNI 6125									
		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
E01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R01	E02	E03	E04	E05	E06	E07	E08	E09	E10		
R21	R21	E27	E28	E29	E30	E31	E32	E33	E34		
R22	R22	R22	E28	E29	E30	E31	E32	E33	E34		
R29	R29	R29	R29	E44	E45	E46	E47	E48	E49		
R30	R30	R30	R30	R30	E45	E46	E47	E48	E49		
R25	R25	R25	R25	R25	R25	E38	E39	E40			



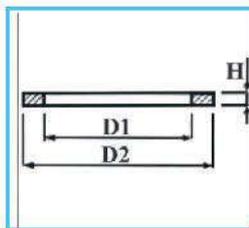
# GASKETS

**Material:** EPP Thermoplastic Elastomer

**Color:** Black

**Temperature resistance:** -30 °C to 80 °C  
Intermittent to approximately 120 °C

Connection thread gasket for metric cable glands.



Type	CONNECTION THREAD SIZE	D1	D2	H	Order No.
EPP-QM 12	M 12x1.5	11.8	16	2	1044531201
EPP-QM 16	M 16x1.5	15.8	20	2	1044531202
EPP-QM 20	M 20x1.5	19.8	24	2	1044531203
EPP-QM 25	M 25x1.5	24.8	29	2	1044531204
EPP-QM 32	M 32x1.5	31.8	36	2	1044531205
EPP-QM 40	M 40x1.5	39.8	46	2	1044531206
EPP-QM 50	M 50x1.5	49.8	56	2	1044531207
EPP-QM 63	M 63x1.5	62.8	69	2	1044531208

Dimensions are in Millimetres

E.P.P.-QM

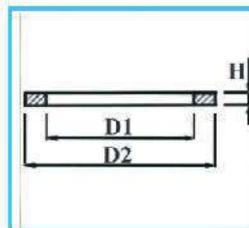
# E.P.P.-QPG

**Material:** EPP Thermoplastic Elastomer

**Color:** Black

**Temperature resistance:** -30 °C to 80 °C  
Intermittent to approximately 120 °C

Connection thread gasket for PG cable glands.



Type	NOMINAL SIZE	D1	D2	H	Order No.
EPP-QPG 7	PG 7	12.5	16.5	2	1044531209
EPP-QPG 9	PG 9	15.2	19	2	1044531210
EPP-QPG 11	PG 11	18.6	22.5	2	1044531211
EPP-QPG 13.5	PG 13.5	20.4	25	2	1044531212
EPP-QPG 16	PG 16	22.5	27	2	1044531213
EPP-QPG 21	PG 21	28.3	33.5	3	1044531214
EPP-QPG 29	PG 29	37	43.5	3	1044531215
EPP-QPG 36	PG 36	47	55	3	1044531216
EPP-QPG 42	PG 42	54	63	3	1044531217
EPP-QPG 48	PG 48	59.3	69	3	1044531218

Dimensions are in Millimetres

# GASKETS

## Application

When installed according to the provide use and maintenance instructions, the cable glands must be able to provide, together with enclosure they are secured to, the same degee of protection as the enclosure itself.

In order to obtain the required degree of protection , it may be necessary to use a gasket according to the outline below.

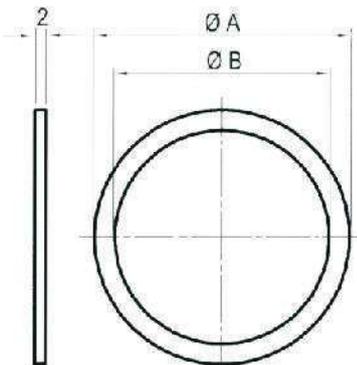
The IP66/68 protection degrees, indicated on the table, were verified and certified , according to EN 60529 Standards . The IPX8 degree of protection corresponds to a immersion of 30 meters depth for 7 days.

The standard material of the gaskets is transparent nglion suitable for temperatures between  $-40^{\circ}\text{C}$  and  $100^{\circ}\text{C}$ .

When using with temperatures between  $-70^{\circ}\text{C}$  and  $-40^{\circ}\text{C}$  or  $100^{\circ}\text{C}$  and  $220^{\circ}\text{C}$ , silicone gaskets are available on request.

Thread ISO 228	Thread ISO 262	Thread Pg	Dimensions (mm)			Order No.
			ØA	ØB (Nylon)	ØB (Silicone)	
3/8"	M12x1.5	Pg7	20.0	12.5	12.0	1044531301
			20.0	13.0	12.5	1044531302
		Pg9	25.0	16.5	16.0	1044531303
25.0	16.0		15.5	1044531304		
1/2"	M20x1.5	Pg11	30.0	19.0	19.0	1044531306
			30.0	20.5	20.0	1044531307
		Pg13.5	30.0	21.5	21.0	1044531308
Pg16	35.0		23.0	22.5	1044531309	
	3/4"	M25x1.5	35.0	25.5	25.0	1044531310
Pg21			35.0	27.0	26.5	1044531311
			40.0	29.0	28.5	1044531312
1"	M32x1.5	Pg29	42.0	32.5	32.0	1044531313
			45.0	34.0	33.5	1044531314
		Pg29	50.0	37.5	37.0	1044531315
1"1/4"	M40x1.5		50.0	40.5	40.0	1044531316
		Pg36	50.0	42.5	42.0	1044531317
			60.0	47.0	47.0	1044531318
1" 1/2"	M50x1.5	Pg36	60.0	48.0	48.0	1044531319
			60.0	50.5	50.0	1044531320
		Pg42	65.0	54.5	54.0	1044531321
2"	Pg48		70.0	60.5	60.0	1044531322
		Pg48	76.0	63.5	63.0	1044531323
			85.0	75.5	75.0	1044531324
2"½"	M75x1.5	Pg48	85.0	75.5	75.0	1044531324
			104.0	90.5	90.0	1044531325
3"	M90x2	Pg48	104.0	90.5	90.0	1044531325
3"	M90x2	Pg48	104.0	88.5	88.0	1044531326

Dimensions are in Millimetres



# FIBRE SEALING WASHERS

## Application

Outdoor or Indoor use.

For use on Cable Gland entry threads.

### Materials & Finishes

To maintain ingress protection rating at the Enclosure.

EPP do not recommend the sealing of plain holes in Enclosure walls using tapered threaded entries.

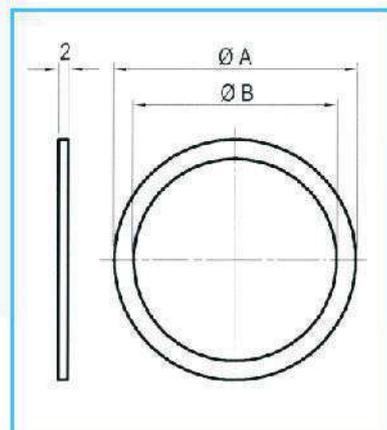
EPP only recommends the use of parallel threaded entries for this purpose.

A range of fibre sealing washers from M12 to M90, from PG7 to PG48, from 3/8" to 3".

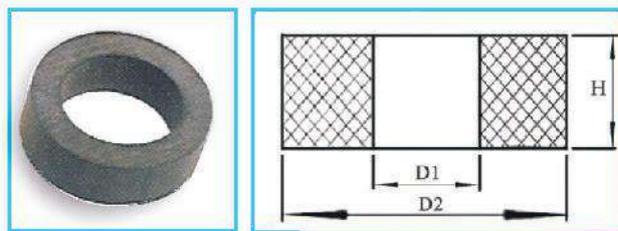
Color: Red.

Thread ISO 228	Thread ISO 262	Thread Pg	Dimensions (mm)			Order No.
			ØA	ØB (Nylon)	ØB (Silicone)	
	M12x1.5		20.0	12.5	12.0	1044531401
		Pg7	20.0	13.0	12.5	1044531402
	M16x1.5		25.0	16.5	16.0	1044531403
		Pg9	25.0	16.0	15.5	1044531404
3/8"			25.0	17.0	17.0	1044531405
		Pg11	30.0	19.0	19.0	1044531406
	M20x1.5		30.0	20.5	20.0	1044531407
1/2"		Pg13.5	30.0	21.5	21.0	1044531408
		Pg16	35.0	23.0	22.5	1044531409
	M25x1.5		35.0	25.5	25.0	1044531410
3/4"			35.0	27.0	26.5	1044531411
		Pg21	40.0	29.0	28.5	1044531412
	M32x1.5		42.0	32.5	32.0	1044531413
1"			45.0	34.0	33.5	1044531414
		Pg29	50.0	37.5	37.0	1044531415
	M40x1.5		50.0	40.5	40.0	1044531416
1 1/4"			50.0	42.5	42.0	1044531417
		Pg36	60.0	47.0	47.0	1044531418
1 1/2"			60.0	48.0	48.0	1044531419
	M50x1.5		60.0	50.5	50.0	1044531420
		Pg42	65.0	54.5	54.0	1044531421
2"		Pg48	70.0	60.5	60.0	1044531422
	M63x1.5		76.0	63.5	63.0	1044531423
2 1/4"	M75x1.5		85.0	75.5	75.0	1044531424
	M90x2		104.0	90.5	90.0	1044531425
3"			104.0	88.5	88.0	1044531426

Dimensions are in Millimetres



# E.P.P.-SPG



**Material:** EPP Thermoplastic Elastomer

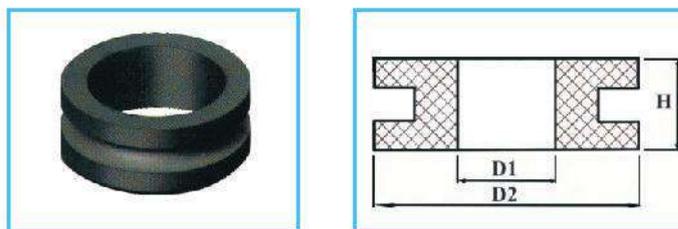
**Color:** Black

**Temperature resistance:** -30°C to 80°C  
Intermittent to approximately 120°C  
single gasket for cone - cable glands.

Type	NOMINAL SIZE	D1	D2	H	Order No.
EPP-SPG 7	PG 7	6	10.7	5	1044531501
EPP-SPG 9	PG 9	7	13.3	5.5	1044531502
EPP-SPG 11	PG 11	9	16.5	6	1044531503
EPP-SPG 13.5	PG 13.5	12	18.3	6	1044531504
EPP-SPG 16	PG 16	14	20.4	7	1044531505
EPP-SPG 21	PG 21	18	25.9	8	1044531506
EPP-SPG 29	PG 29	25	34.7	9.5	1044531507
EPP-SPG 36	PG 36	32	44.7	12	1044531508
EPP-SPG 42	PG 42	38	51.7	14	1044531509
EPP-SPG 48	PG 48	44	56.9	14	1044531510

Dimensions are in Millimetres

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Type	NOMINAL SIZE	D1	D2	H	Order No.
EPP-TPG 7	PG 7	6	10	7	1044531601
EPP-TPG 9	PG 9	8	12	7	1044531602
EPP-TPG 11	PG 11	10	16	7.5	1044531603
EPP-TPG 13.5	PG 13.5	14	18.5	9	1044531604
EPP-TPG 16	PG 16	16	20	10	1044531605
EPP-TPG 21	PG 21	20	25	10.5	1044531606
EPP-TPG 29	PG 29	22	35	11	1044531607
EPP-TPG 36	PG 36	33	44.5	11	1044531608
EPP-TPG 42	PG 42	34.5	52	14	1044531609
EPP-TPG 48	PG 48	38	55	14	1044531610

Dimensions are in Millimetres

**Material:** EPP Thermoplastic Elastomer

**Color:** Black / Transparent

**Temperature resistance:** -30°C to 80°C Intermittent to approximately 120°C  
Double gasket for cone - cable glands.

# E.P.P.-TPG

# E.P.P.-RM

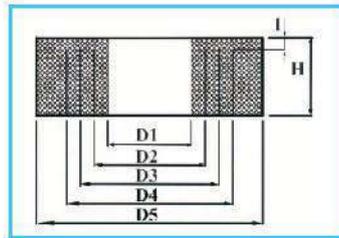
Type	NOMINAL SIZE	D1	D2	D3	D4	D5	H	Order No.
EPP-RM 12	M 12x1.5	5	-	-	-	10	5	1044531701
EPP-RM 16	M 16x1.5	3	6	9	-	13.8	5.5	1044531702
EPP-RM 20	M 20x1.5	4	7	10	13	17.6	6	1044531703
EPP-RM 25	M 25x1.5	8.5	11.5	14.5	17.5	22.6	7.5	1044531704
EPP-RM 32	M 32x1.5	16	19	22	25	29.6	9.5	1044531705
EPP-RM 40	M 40x1.5	23	26	29	32	37.6	12	1044531706
EPP-RM 50	M 50x1.5	30	33	36	39	47.6	14	1044531707
EPP-RM 63	M 63x1.5	36	39	42	45	60.6	14	1044531708

Dimensions are in Millimetres

**Material:** EPP Thermoplastic Elastomer

**Color:** Black

**Temperature resistance:** -30°C to 80°C  
Intermittent to approximately 120°C  
Universal gasket for metric cone-cable glands.



# E.P.P.-RPG

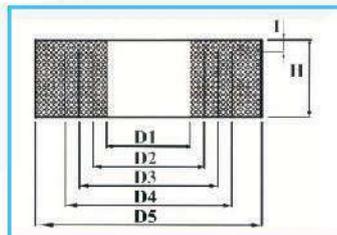
**Material:** EPP Thermoplastic Elastomer

**Color:** Black

**Temperature resistance:** -30°C to 80°C  
Intermittent to approximately 120°C  
Universal gasket for cone-cable glands.

Type	NOMINAL SIZE	D1	D2	D3	D4	D5	H	Order No.
EPP-RPG 9	PG 9	5	7.5	10	-	13.3	5.5	1044531709
EPP-RPG 11	PG 11	7.5	10	12.5	-	16.5	6	1044531710
EPP-RPG 13.5	PG 13.5	7.5	10	12.5	-	18.3	6	1044531711
EPP-RPG 16	PG 16	7.5	10	12.5	15	20.4	7	1044531712
EPP-RPG 21	PG 21	10	13	16	19	25.9	8	1044531713
EPP-RPG 29	PG 29	18	21	24	27	34.7	9.5	1044531714
EPP-RPG 36	PG 36	24	27	30	33	44.7	12	1044531715
EPP-RPG 42	PG 42	30	33	36	39	51.7	14	1044531716
EPP-RPG 48	PG 48	36	39	42	47	56.9	14	1044531717

Dimensions are in Millimetres

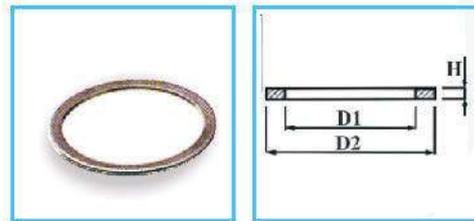


# WASHERS

## E.P.P-OM

Type	NOMINAL SIZE	D1	D2	H	Order No.
EPP-OM 12	M 12x1.5	7	10.2	0.8	1044531801
EPP-OM 16	M 16x1.5	11	14	0.8	1044531802
EPP-OM 20	M 20x1.5	15	18	0.8	1044531803
EPP-OM 25	M 25x1.5	19	23	0.8	1044531804
EPP-OM 32	M 32x1.5	26	30	0.8	1044531805
EPP-OM 40	M 40x1.5	34	38	0.8	1044531806
EPP-OM 50	M 50x1.5	43	48	0.8	1044531807
EPP-OM 63	M 63x1.5	52	61	0.8	1044531808

Dimensions are in Millimetres

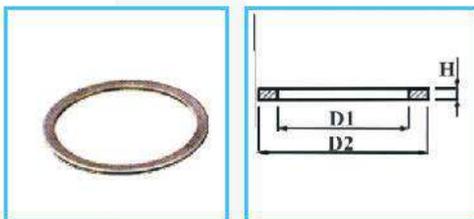


**Material:** Steel Galvanized.

Washer for metric cone - cable glands.

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## E.P.P-OPG



**Material:** Steel Galvanized.

Washer for cone - cable glands.

Type	NOMINAL SIZE	D1	D2	H	Order No.
EPP-OPG 7	PG 7	8	11	0.8	1044531809
EPP-OPG 9	PG 9	8.5	13	0.8	1044531810
EPP-OPG 11	PG 11	12	17	0.8	1044531811
EPP-OPG 13.5	PG 13.5	13.5	18.5	0.8	1044531812
EPP-OPG 16	PG 16	16	20	0.8	1044531813
EPP-OPG 21	PG 21	21	26	0.8	1044531814
EPP-OPG 29	PG 29	30	34.5	0.8	1044531815
EPP-OPG 36	PG 36	38	45	0.8	1044531816
EPP-OPG 42	PG 42	42	52	0.8	1044531817
EPP-OPG 48	PG 48	45	57	0.8	1044531818

Dimensions are in Millimetres

# PLASTIC CABLE GLANDS RANGE



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# E.P.P.-UPG

Type	Thread	L		L1	L2	L3	L4	D		G	Pack Qty	Carton Qty	Order No.
		Min	Max					Min	Max				
EPP-UPG 7	PG 7	18	23	8	5	12.6	7	3	6.5	12.4	600	7200	1044540101
EPP-UPG 9	PG 9	21	27	8	5	15	7.6	4	8	15.1	350	4200	1044540102
EPP-UPG 11	PG 11	22	29	8	5	16.5	7.9	5	10	18.1	250	3000	1044540103
EPP-UPG 13.5	PG 13.5	23	30	9	5	17.8	8.2	6	12	20	200	2400	1044540104
EPP-UPG 16	PG 16	25	33	10	6	18.1	11.4	10	14	22.1	150	1800	1044540105
EPP-UPG 21	PG 21	28	38	11	6	21.6	12	13	18	28.15	80	960	1044540106
EPP-UPG 29	PG 29	32	43	11	7.8	22	12.5	18	25	36.8	50	600	1044540107
EPP-UPG 36	PG 36	39	54	13	8.3	30.8	12.8	22	32	46.7	24	288	1044540108
EPP-UPG 42	PG 42	42	57	13	8.3	32.6	13	30	38	53.85	20	240	1044540109
EPP-UPG 48	PG 48	43	58	14	8.5	36.5	22.7	34	44	59.05	16	192	1044540110

Dimensions are in Millimetres



**Cable Type:** Unarmoured

**Material:** Polypropylene, Polyamide (Nylon)

**Color:** Gray / Black

Indoor and outdoor cable gland for all types of unarmoured cable.

**Temperature rang:** -30°C to 80°C permanent

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Outer Sheath



RAL 7001



RAL 7035



RAL 9005



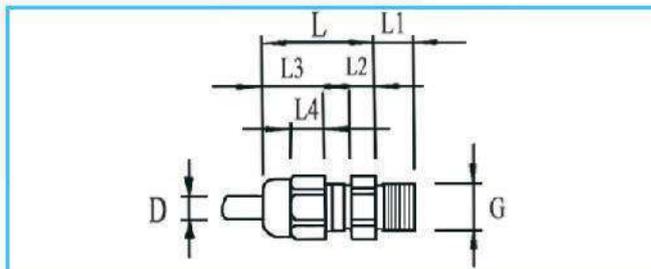
RAL 5015

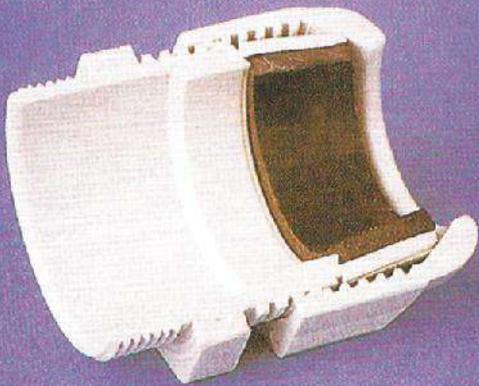


RAL 9003

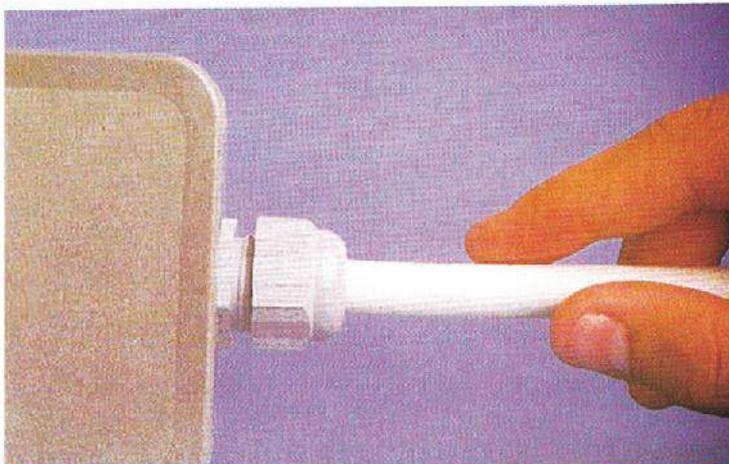


RAL 3020

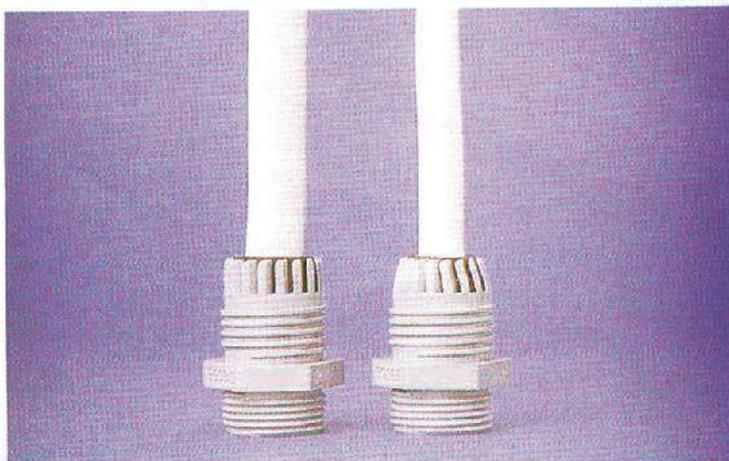




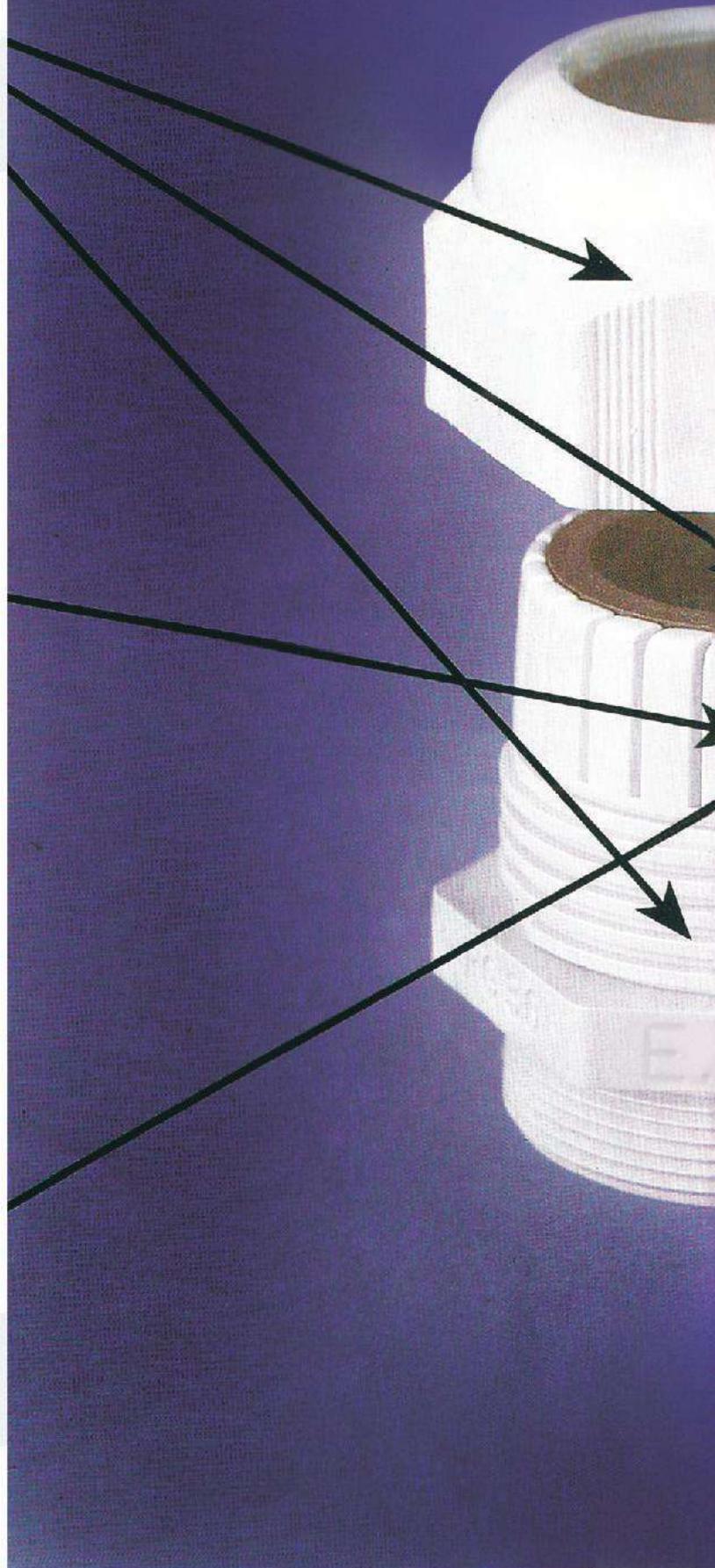
- .Smooth bore
- .Quick assembly
- .Not necessary to dismount
- .Substantial labor savings

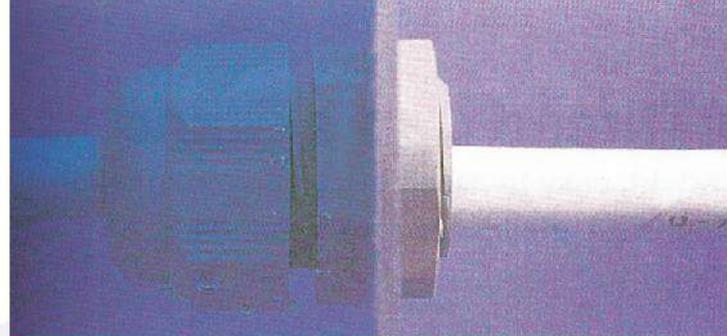


- .Aesthetic finish
- .Perfect cable protection
- .No screw clamps to damage outer insulation of cables



- .Each fitting can accommodate wide range of cables





• Waterproof due to PVC seal



• Made of polypropylene



• Lamellate construction  
guaranteeing equal compression



• Trapeze threads o eliminate  
cross threading

• cap compression

# E.P.P.-UM

Type	Thread	L1		L2	D1	SW	Pack Qty	Carton Qty	Order No.
		Min	Max						
EPP-UM 20	M 20x1.5	36	45	10	27	24	200	2400	1044540201
EPP-UM 25	M 25x1.5	38	47	10	32	29	150	1800	1044540202
EPP-UM 32	M 32x1.5	42	51	12	40	36	80	960	1044540203

Dimensions are in Millimetres

**Cable Type:** Unarmoured

**Material:** Polyamide (Nylon)

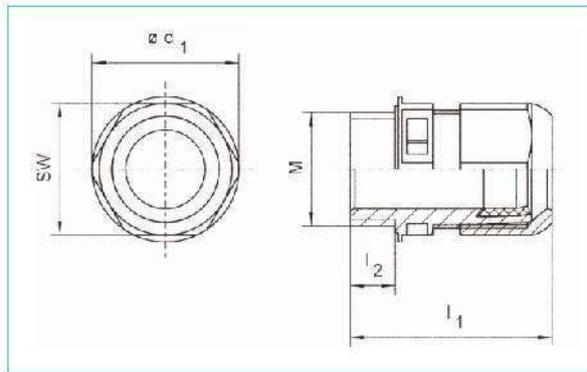
**Color:** Black

Indoor and outdoor cable gland for all types of unarmoured cable.

**Temperature rang:** -30°C to 80°C permanent

**Seal Material:** EPP Thermoplastic Elastomer

**Seal Area:** Outer Sheath



RAL 7001



RAL 7035



RAL 9005



RAL 5015

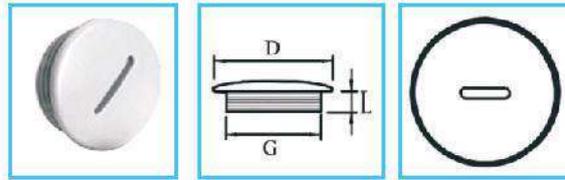


RAL 9003



RAL 3020

# E.P.P.-WM



Metric stopping plug,  
for normal application.

**Material:** PS/ABS

**Color:** Light Gray

Type	THREAD (G)	L	D	Order No.
EPP-WM 12	M 12x1.5	6	15	1044540301
EPP-WM 16	M 16x1.5	6	20	1044540302
EPP-WM 20	M 20x1.5	6	24	1044540303
EPP-WM 25	M 25x1.5	8	30	1044540304
EPP-WM 32	M 32x1.5	8	37	1044540305
EPP-WM 40	M 40x1.5	8	46	1044540306
EPP-WM 50	M 50x1.5	10	56	1044540307
EPP-WM 63	M 63x1.5	12	70	1044540308

Dimensions are in Millimetres

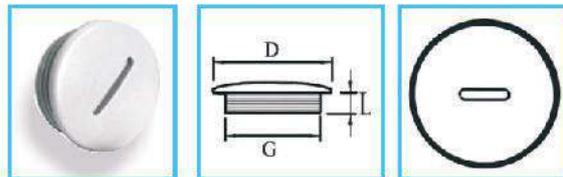
E  
50

# E.P.P.-WPG

Stopping plug with PG thread,  
for normal applications.

**Material:** PS/ABS

**Color:** Light Gray



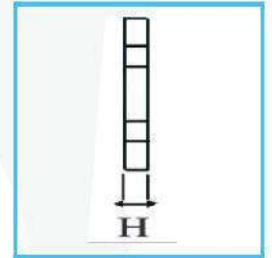
Type	THREAD (G)	L	D	Order No.
EPP-WPG 7	PG 7	6	14	1044540309
EPP-WPG 9	PG 9	6	19	1044540310
EPP-WPG 11	PG 11	10	22	1044540311
EPP-WPG 13.5	PG 13.5	10.5	25	1044540312
EPP-WPG 16	PG 16	10.5	26	1044540313
EPP-WPG 21	PG 21	10.5	34	1044540314
EPP-WPG 29	PG 29	10.5	44	1044540315
EPP-WPG 36	PG 36	12	57	1044540316
EPP-WPG 42	PG 42	12	67	1044540317
EPP-WPG 48	PG 48	12	72	1044540318

Dimensions are in Millimetres

# E.P.P.-VM

Type	Size	H	Order No.
EPP-VM 12	M 12	5	1044540401
EPP-VM 16	M 16	5	1044540402
EPP-VM 20	M 20	6	1044540403
EPP-VM 25	M 25	6	1044540404
EPP-VM 32	M 32	7	1044540405
EPP-VM 40	M 40	7	1044540406
EPP-VM 50	M 50	8	1044540407
EPP-VM 63	M 63	8	1044540408

Dimensions are in Millimetres

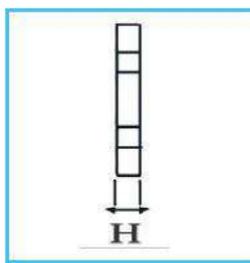


**Material:** Polypropylene, Polyamide (Nylon)

**Color:** Gray

Metric hexagonal locknut,  
For normal applications.

# E.P.P.-VPG



Type	Size	H	Order No.
EPP-VPG 7	PG 7	5	1044540409
EPP-VPG 9	PG 9	5	1044540410
EPP-VPG 11	PG 11	5	1044540411
EPP-VPG 13.5	PG 13.5	6	1044540412
EPP-VPG 16	PG 16	6	1044540413
EPP-VPG 21	PG 21	7	1044540414
EPP-VPG 29	PG 29	7	1044540415
EPP-VPG 36	PG 36	8	1044540416
EPP-VPG 42	PG 42	8	1044540417
EPP-VPG 48	PG 48	8	1044540418

Dimensions are in Millimetres

**Material:** Polypropylene, Polyamide (Nylon)

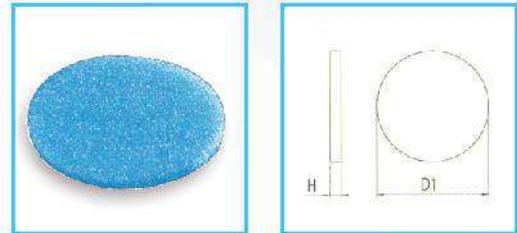
**Color:** Gray

Metric hexagonal locknut,  
For normal applications.

# DUST PROTECTION

Type	Connection thread size	D1	H	Order No.
EPP-DPM 12	M 12x1.5	11	2	1044540501
EPP-DPM 16	M 16x1.5	14	2	1044540502
EPP-DPM 20	M 20x1.5	18	2	1044540503
EPP-DPM 25	M 25x1.5	22	2	1044540504
EPP-DPM 32	M 32x1.5	27	2	1044540505
EPP-DPM 40	M 40x1.5	39	2	1044540506
EPP-DPM 50	M 50x1.5	47	2	1044540507
EPP-DPM 63	M 63x1.5	60	2	1044540508

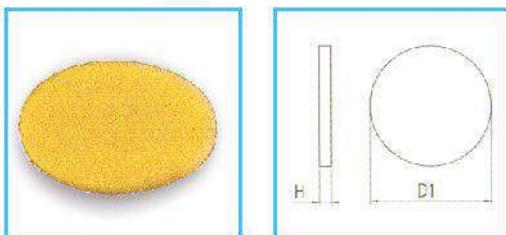
Dimensions are in Millimetres



Material: Polyethylene

Color: Black, Yellow, Red, Blue

E  
52



Material: Polyethylene

Color: Black, Yellow, Red, Blue

Type	Nominal Size	D1	H	Order No.
EPP-DPP 7	Pg 7	10.5	2	1044540601
EPP-DPP 9	Pg 9	13.5	2	1044540602
EPP-DPP 11	Pg 11	17	2	1044540603
EPP-DPP 13.5	Pg 13.5	18.5	2	1044540604
EPP-DPP 16	Pg 16	20.5	2	1044540605
EPP-DPP 21	Pg 21	26	2	1044540606
EPP-DPP 29	Pg 29	34.5	2	1044540607
EPP-DPP 36	Pg 36	42.5	2	1044540608
EPP-DPP 42	Pg 42	52	2	1044540609
EPP-DPP 48	Pg 48	57	2	1044540610

Dimensions are in Millimetres