it's cool to be safe

explosion proof solution for the global market

it's cool to be safe
explosion proof electrical equipment

SUPER **CONNECT**

The equipment we introduce in this catalogue are designed to satisfy most of our clients' requirements to CONNECT explosion proof electrical equipment.
All equipment are manufactured using materials able to resist in most highly corrosive environment and to ensure a modern functionality solution and a long duration of investment.

CGP - PLP - LNP

The cable glands and plugs are normally installed in the chemical and petrochemical plants, off-shore platforms, refineries and any other industry where hazardous atmospheres (gas and combustible dust) are potentially present.

The whole series are designed to allow direct entry of unarmoured cables into Ex e and Ex i enclosures to provide any electrical connection with external circuits.

Function

The CGP series cable glands are equipped with a sole gasket covering all the installation requirements on Ex e and Ex i enclosures and are suitable for Zone 1 - 21 (gas) and Zone 2 -22 (dust).

The cable glands to be used with circuit Ex i can be requested with pressure cap painted light blue.

The PLP series plugs are normally installed on Ex e and Ex i enclosures to protect the internal equipment by the penetration of liquids and dust before the installation of cable glands. They also allow the presence of spare hubs on the enclosure to be used in case of future expansions.

Both CGP cable glands and PLP plugs must be secured with internal locknut model LNP.

Construction

The materials used to manufacture the cable glands and plugs have been studied to grant the maximum protection against the highly corrosive agents present in these industries.

They are made of polyamide according to EN 50262 and are suitable for ambient temperature -20°C +80°C with a flammability resistance V2 according to UL 94.

Upon request it is available also in the version with thread PG DIN 40430.

Protection

| certificate number:	IMQ 08 ATEX 012 X		TC RU C-IT.AA87.B.00509	
marking:	⟨Ex⟩ II 2GD Ex e IIC Gb - Ex i IIC Gb - Ex tb IIIC Db			
ambient temperature:	-40°C +95°C			
degree of protection:	IP66 / IP68			
conformity:	Directive ATEX 2014/34/EU		TP TC 012/2011	
standards:	IEC-EN60079-0	IEC-EN60079-7	IEC-EN60079-11	IEC-EN60079-31
	ГОСТ 31610.0	ГОСТ Р МЭК 60079-7	ГОСТ 31610.11	ГОСТ Р МЭК 60079-31
category:	suitable for Zone 1 - 21 (gas) and Zone 2 - 22 (dust)			

Code	Ø Metric	D		H min	L min	SW
		min	max			
CGP 01	M16 x 1.5	3	7	43	15	22
CGP 1	M20 x 1.5	6	12	44	15	24
CGP 12	M20 x 1.5	10	14	46	15	27
CGP 2	M25 x 1.5	13	18	50	15	33
CGP 3	M32 x 1.5	18	25	58	18	42
CGP 4	M40x 1.5	22	32	67	18	53
CGP 5	M50 x 1.5	30	38	67	18	60
CGP 6	M63 x 1.5	34	44	67	18	65

1　**2**　**3**
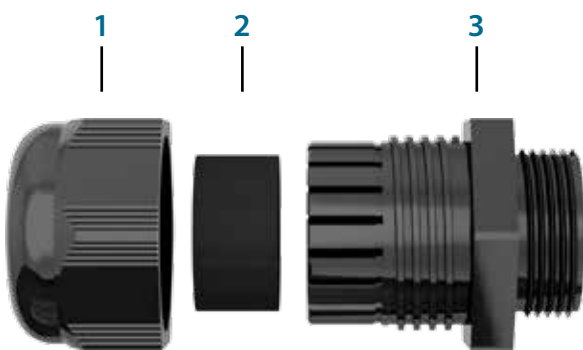
Item	Description
1	CAP
2	SEAL
3	BODY
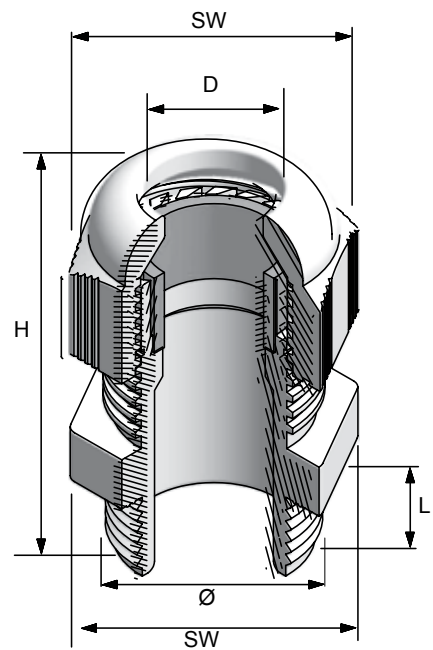
PLP series
male plugs with external hexagon

Code	Ø Metric	H min	L min	CH
PLP 01	M16 x 1.5	10	15	19
PLP 1	M20 x 1.5	10	15	23
PLP 2	M25 x 1.5	10	15	28
PLP 3	M32 x 1.5	15	20	36
PLP 4	M40 x 1.5	18	27	46
PLP 5	M50 x 1.5	18	27	55
PLP 6	M63 x 1.5	18	27	69

Flat washer for IP protection degree

Case thickness
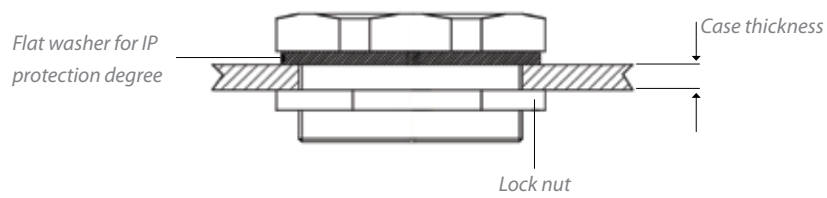
Lock nut

LNP series
locknut

Code	Ø Metric	H min	CH
LNP 01	M16 x 1.5	5	22
LNP 1	M20 x 1.5	6	26
LNP 2	M25 x 1.5	6	32
LNP 3	M32 x 1.5	7	41
LNP 4	M40 x 1.5	7	50
LNP 5	M50 x 1.5	8	60
LNP 6	M63 x 1.5	8	75

Ø

CH

H
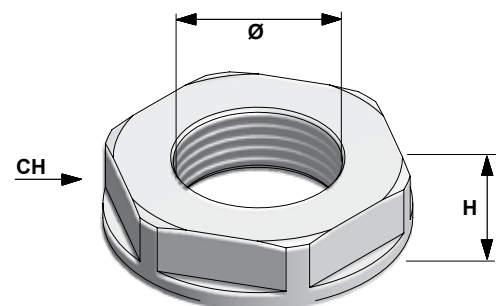
Ordering Tables

Thread Type		N	M	P	BP	BT	G
	02	1/4"	12	-	1/4"	1/4"	1/4"
	01	3/8"	16	-	3/8"	3/8"	3/8"
	1	1/2"	20	7	1/2"	1/2"	1/2"
	2	3/4"	25	9	3/4"	3/4"	3/4"
Thread Size	3	1"	32	11	1"	1"	1"
	4	1"1/4	40	13,5	1"1/4	1"1/4	1"1/4
	5	1"1/2	50	16	1"1/2	1"1/2	1"1/2
	6	2"	63	21	2"	2"	2"
	7	2"1/2	75	29	2"1/2	2"1/2	2"1/2
	8	3"	90	36	3"	3"	3"
	9	-	-	42	-	-	-
	10	4"	110	48	4"	4"	4"

Thread Type	Code	Description
	N	NPT - ANSI ASME B1.20.1
	M	Metric Pitch 1.5 - ISO 262
	P	PG - DIN 40430
	BP	BSPP - ISO 228/1
	BT	BSPT - ISO 228/1
	G	GAS ISO 7/1

Material	Code	Description
	B	Brass
	N	Nickel-Plated Brass
	P	Polyamide
	G	Galvanized Steel
	S	Stainless Steel

Ordering Codes

How to order .... :

CABLE GLANDS :

| CGA | 5 | N | B |

- Product
- Thread Size
- Thread Type
- Material
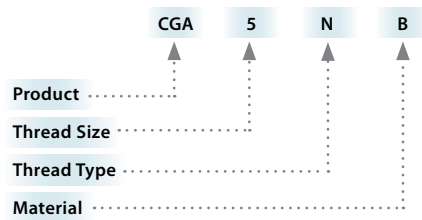
Example above code:
- **Product:** *Cable Gland for Armoured Cable*
- **Thread Size and Type:** *1" 1/2 NPT*
- **Material:** *Brass*

PLUGS :

| PLH | 5 | M | B |

- Product
- Thread Size
- Thread Type
- Material
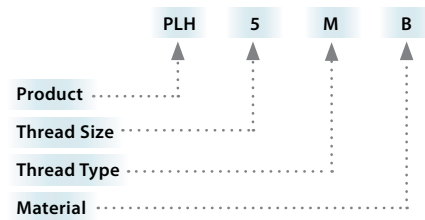
Example above code:
- **Product:** *Plugs with external hexagon*
- **Thread Size and Type:** *M50 x 1.5*
- **Material:** *Brass*

ADAPTORS / REDUCERS :

| RAA | 3 | N | 1 | N | S |

- Product
- Primary Thread Size
- Primary Thread Type
- Secondary Thread Size
- Secondary Thread Type
- Material
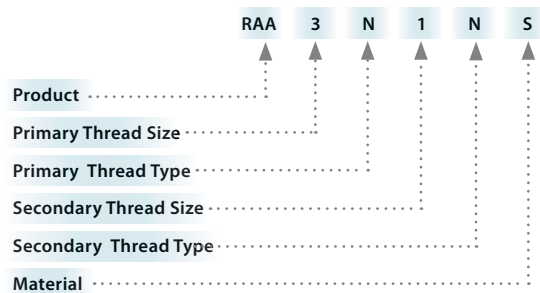
Example above code:
- **Product:** *Adaptor (reducer) MALE - FEMALE*
- **MALE Thread Size and Type:** *1" NPT*
- **FEMALE Thread Size and Type:** *1/2" NPT*
- **Material:** *Stainless Steel*

ACCESSORIES :

| LN | 3 | M | S |

- Product
- Thread Size
- Thread Type
- Material
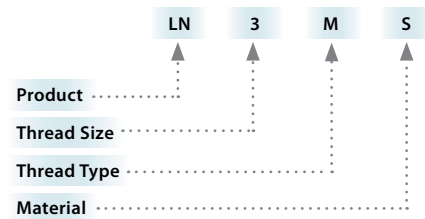
Example above code:
- **Product:** *Locknut*
- **Thread Size and Type:** *M32 x 1.5*
- **Material:** *Stainless Steel*

THREE-PIECES UNIONS :

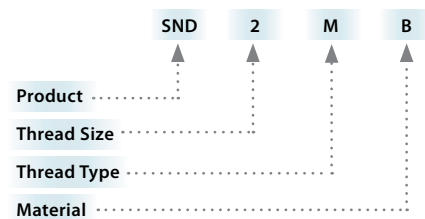| BMF | 3 | N | G |

- Product
- Thread Size
- Thread Type
- Material
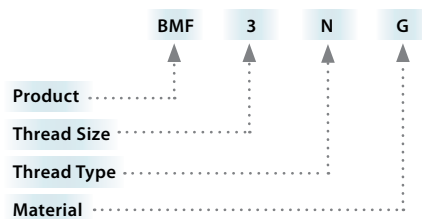
Example above code:
- **Product:** *Male - female three pieces union*
- **Thread Size and Type:** *1" NPT*
- **Material:** *Galvanized steel*

SEALED NIPPLES :

| SND | 2 | M | B |

- Product
- Thread Size
- Thread Type
- Material

Example above code:
- **Product:** *Sealed Nipple*
- **Thread Size and Type:** *M25 x 1.5*
- **Material:** *Brass*

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