

# CABLE GLANDS FOR UNARMoured CABLES

Explosion Proof Electrical Equipment



Ex Cable Glands

**Installation:** hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts)  
**Classification:** Group II - Category 2G 2D

## PNA



GOST-R  
RTR Ex Proof



	CABLE GLANDS		
	ATEX 94/9/EC	GOST-R (RTR / RTN)	GOST-K
EXECUTION	⊕ II 2 G Ex d II C ⊕ II 2 G Ex e II ⊕ II 2 D Ex tD A21	Ex d IIC / Ex e II DIP A21	Ex d IIC / Ex e II DIP A21
AMBIENT TEMPERATURE	-40°C ÷ +90°C (1) -50°C ÷ +180°C (2)	-40°C ÷ +90°C (1) -60°C ÷ +180°C (2)	-40°C ÷ +90°C (1) -60°C ÷ +180°C (2)
PROTECTION DEGREE	IP66	IP66	IP66
CERTIFICATE REF.	INERIS 07 ATEX 0001X	POCC IT. Г05.В02537	No. 07/43-269
RULES OF COMPLIANCE	EN 60079-0; EN 60079-1; EN 60079-7; EN 61241-0; EN 61241-1	ГОСТ P 51330.9-99 (МЭК 60079-10-95) ГОСТ P 51330.13-99 (МЭК 60079-14-96) ГОСТ P МЭК 61241-3-99	ГОСТ P 51330.0 / 1 / 8 / 14-99 ГОСТ P МЭК 61241-1-1-2002

(1) EDPM-60 INTERNAL RUBBER RINGS - (2) SILICON-60 INTERNAL RUBBER RINGS

### Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) - *anticorodal aluminium (AL)
Finishes	full nickel plating threatment (brass material only)
Rubber rings	EDPM rubber- 50-60 shore hardness - Silicon rubber - 60 shore hardness
O-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6
Chamber for sealing	OT-58 marine brass ("R" version only)

**\*ON REQUEST ONLY. PLEASE CONTACT OUR SALES OFFICE FOR MIN QUANTITY TO ORDER**

### APPLICATION

- FOR UNARMoured CABLES ONLY
- SINGLE COMPRESSION TYPE SUITABLE FOR INDOOR AND OUTDOOR USE
- SINGLE COMPRESSION - ON CABLE (INNER SEALING)
- SEALING WITH PROPER RESIN INTO "CHAMBER OF SEALING" (ON BARRIER TYPE VERSION "R" ONLY)

### ON REQUEST ACCESSORIES:

- Locknuts, Gaskets, PVC Shrouds, Earthing Tags, Sealing (See ACCESSORI bulletin)

# PNA Cable gland selection table

PNA

CODE (1)	SIZE	ENTRY THREAD SIZE (C)						INNER SHEATH DIA. (A)		OUTER SHEATH DIA. (B)	HEXAGON DIA. (D)	MATERIAL	
		METRIC (2)	NPT (2)		UNI ISO 228 (2)		min [mm]	max [mm]	max [mm]	[mm]		(3)	
PNA# PNA-R#	00	ISO-M20	M	1/2"NPT	N	1/2"	G	4,0	10,0	16,0	26,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	01	ISO-M20	M	1/2"NPT	N	1/2"	G	5,5	13,0	20,0	32,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	02	ISO-M25	M	3/4"NPT	N	3/4"	G	10,5	18,0	25,0	36,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	03	ISO-M32	M	1"NPT	N	1"	G	15,0	24,0	32,0	45,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	04	ISO-M40	M	1 1/4"NPT	N	1 1/4"	G	21,0	30,0	38,0	53,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	05	ISO-M50	M	1 1/2"NPT	N	1 1/2"	G	24,0	36,0	44,0	61,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	06	ISO-M63	M	2"NPT	N	2"	G	36,0	45,0	54,0	71,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	07	ISO-M75	M	2 1/2"NPT	N	2 1/2"	G	45,0	54,0	65,0	84,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL
PNA# PNA-R#	08	ISO-M90	M	3"NPT	N	3"	G	52,0	65,0	79,0	101,0	NICKEL PL.BRASS STAINLESS STEEL ALUMINIUM	ON IX AL

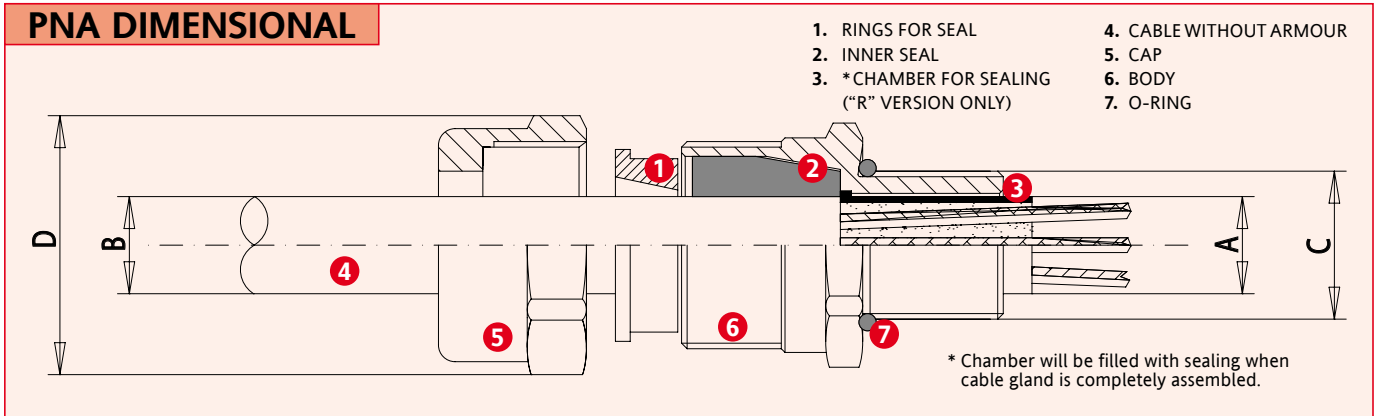
**CABLE GLAND ORDERING EXAMPLES**

PNA#	01	M	ON	= PNA#01MON (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PNA#	03	N	IX	= PNA#03NIX (NON-BARRIER CABLE GLAND STAINLESS STEEL 1/2"NPT THR.)
PNA-R#	04	N	AL	= PNA-R#04NON (BARRIER CABLE GLAND NICKEL PLATED BRASS 1 1/4"NPT THR.)

**LEGEND**

(1)	CABLE GLAND TYPE/MODEL	PNA# = NON-BARRIER CABLE GLAND - PNA-R# = BARRIER CABLE GLAND
(2)	THREADING	M = ISO METRIC pitch 1,5mm - N = NPT (ANSI/ASME B1.20.1) - G = UNI ISO-228
(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IN = AISI-316L STAINLESS STEEL - AL = ANTICORODAL ALUMINIUM

**PNA DIMENSIONAL**



**REMARK:** Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.