

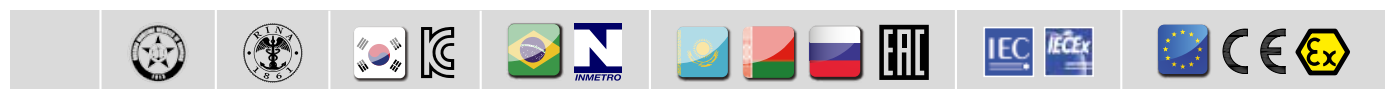
PAP Cable glands for armoured cables

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

Explosion Proof Electrical Equipment



Ex Cable Glands



REFERENCE STANDARDS

Directive 94/9/EC (until April 19th, 2016) and Directive 2014/34/EU (from April 20th, 2016)

EXECUTION	Ⓜ II 2 G Ex d / Exe / Exia IIC Gb Ⓜ II 2 D Ex tb IIIC Db
RULES OF COMPLIANCE	EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
EC Type-Examination Certificate	INERIS 09 ATEX 0028X
PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C ÷ +90°C (Rubber rings EPDM-60) -60°C ÷ +180°C (Rubber rings SILICON)
OTHER AVAILABLE CERTIFICATES	IECEx: IECEx INE 11.0017X INMETRO: CEPEL 12.2177X EAC: TC RU C-IT.1508.B 01624 (-75°C ÷ +180°C) RINA: ELE18111CS_016 RUSSIAN MARINE CERTIFICATE (RMRS): 13.03518.315 Kc (Korean certification):14-KB4B0-0455X

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber- 50-60 shore hardness - Silicon rubber - 60 shore hardness
O-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

Applications

For steel wire armoured cables (swa) for steel tape armoured cables
Double compression type for indoor and outdoor use
Provided armour clamping using clamping arrangements suitable for all armour wire/braid types
Double compression - under armour and overall of armour cable (inner and outer 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 DL-NW-PTD-ET bulletin)



PAP Cable gland selection table

Ex Cable Glands

CODE		ENTRY THREAD SIZE						DIA. UNDER ARMOUR		OUTER SHEATH DIA.		HEXAGON 	MATERIAL	
(1)		METRIC (2)	NPT (2)	UNI ISO 228 (2)	min [mm]	max [mm]	min [mm]	max [mm]	[mm]		(3)			
PAP# PAP-R#	00*	ISO-M20	M	1/2"NPT	N	1/2"	G	4,0	7,0	10,0	15,0	24,0	NICKEL PL.BRASS	ON
								7,0	10,0				STAINLESS STEEL	IX
PAP# PAP-R#	01	ISO-M20	M	1/2"NPT	N	1/2"	G	5,5	8,0	10,0	15,0	32,0	NICKEL PL.BRASS	ON
								8,0	10,5				STAINLESS STEEL	IX
								10,5	13,0	14,0	19,0			
PAP# PAP-R#	02	ISO-M25	M	3/4"NPT	N	3/4"	G	10,5	13,0	15,0	20,0	36,0	NICKEL PL.BRASS	ON
								13,0	15,5				STAINLESS STEEL	IX
								15,5	18,0	19,0	24,0			
PAP# PAP-R#	03	ISO-M32	M	1"NPT	N	1"	G	15,0	18,0	20,0	26,0	45,0	NICKEL PL.BRASS	ON
								18,0	21,0				STAINLESS STEEL	IX
								21,0	24,0	25,0	31,0			
PAP# PAP-R#	04	ISO-M40	M	1 1/4"NPT	N	1 1/4"	G	21,0	24,0	26,0	32,0	53,0	NICKEL PL.BRASS	ON
								24,0	27,0				STAINLESS STEEL	IX
								27,0	30,0	34,0	40,0			
PAP# PAP-R#	05	ISO-M50	M	1 1/2"NPT	N	1 1/2"	G	24,0	27,0	30,0	37,0	61,0	NICKEL PL.BRASS	ON
								27,0	30,0				STAINLESS STEEL	IX
								30,0	33,0					
								33,0	36,0	40,0	47,0			
PAP# PAP-R#	06	ISO-M63	M	2"NPT	N	2"	G	36,0	39,0	42,0	48,0	71,0	NICKEL PL.BRASS	ON
								39,0	42,0				STAINLESS STEEL	IX
								42,0	45,0	50,0	56,0			
PAP# PAP-R#	07	ISO-M75	M	2 1/2"NPT	N	2 1/2"	G	42,0	45,0	52,0	58,0	84,0	NICKEL PL.BRASS	ON
								45,0	48,0				STAINLESS STEEL	IX
								48,0	51,0					
								51,0	54,0	61,0	67,0			
PAP# PAP-R#	08	ISO-M90	M	3"NPT	N	3"	G	52,0	56,0	65,0	72,0	101,0	NICKEL PL.BRASS	ON
								56,0	59,0				STAINLESS STEEL	IX
								59,0	62,0					
								62,0	65,0					
								65,0	68,0	74,0	81,0			
PAP# PAP-R#	09	ISO-M100	M	4"NPT	N	4"	G	68,0	74,0	81,0	88,0	126,0	NICKEL PL.BRASS	ON
								74,0	80,0				STAINLESS STEEL	IX
								80,0	86,0					
								86,0	92,0					

CABLE GLAND ORDERING

EXAMPLES

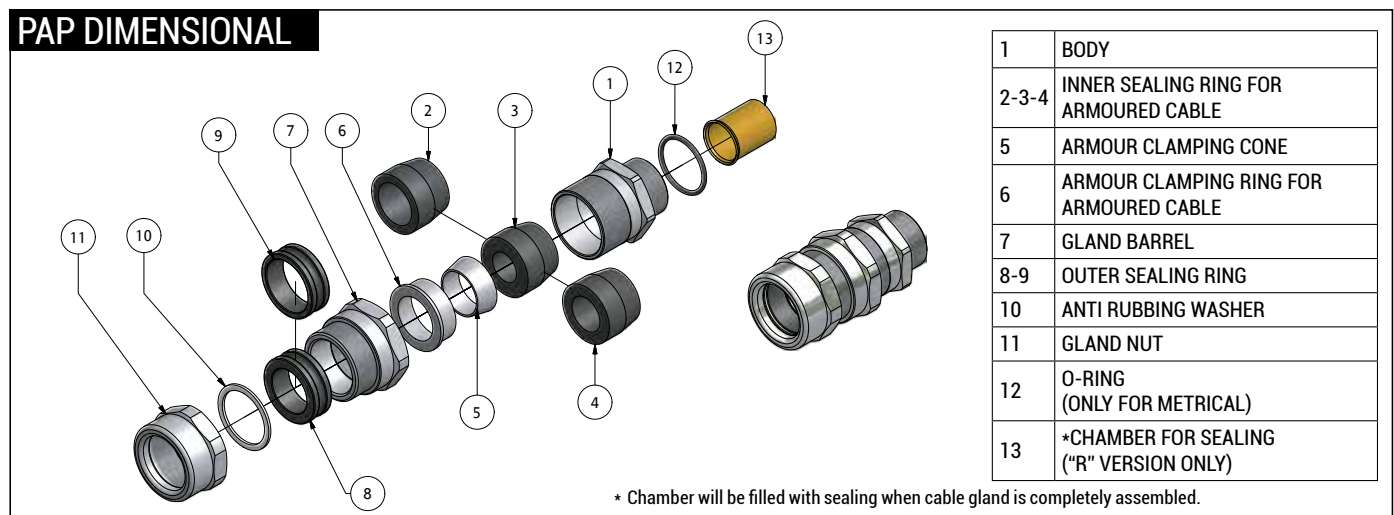
PAP#	01	M	ON	= PAP#01MON	(NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PAP#	03	N	IX	= PAP#03NIX	(NON-BARRIER CABLE GLAND STAINLESS STEEL 1"NPT THR.)

LEGEND

(1)	CABLE GLAND TYPE/MODEL	PAP# = NON-BARRIER CABLE GLAND - PAP-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 - IX = AISI-316L STAINLESS STEEL

*NOTE: 00 SIZE WITH ISO-M16 OR 3/8"NPT - 3/8"ISO-228 BODY, ON REQUEST

PAP 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.