





Classification: Group II - Category 2G 2D

























REFERENCE STANDARDS

HEI EHENGE GIANDANDO	
Directive 2014/34/EU	
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 03 ATEX 0140X
PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C \div +90°C (Rubber rings EPDM-60) -60°C \div +180°C (Rubber rings SILICON)
OTHER AVAILABLE CERTIFICATES	IECEx: IECEx INE 11.0013X
	INMETRO: CEPEL 12.2176X
	EAC: TC RU C-IT.F508.B.02646 (-75°C ÷ +180°C)
	RINA: ELE137217CS004
	RUSSIAN MARINE CERTIFICATE (RMRS): 19.02549.280
	Kc (Korean certification): 14-KB4BO- (from 0427X to 0444X)
	CCOE-PESO: P405708/7

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) marine grade copper free aluminium (on project request only)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
0-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 and for lead inner sheath cables

Double Compression Type For Indoor And Outdoor Use

Provided armour clamping using clamping arrangements suitable for all armour wire/braid types

Internal lead device for electrical bond of cable lead inner sheath

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)

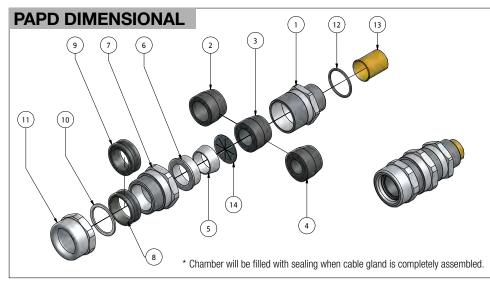
CODE	SIZE	ENTRY THREAD SIZE							UNDER MOUR		TER TH DIA.	HEXAGON &	MATERIAL				
(1)	SIZE	METRIC	(2)	NPT	(2)	ISO 22	8 (2)	min [mm]	max [mm]	min [mm]	max [mm]	[mm]		(3)			
PAPD								3,5	6,0	10,0	15,0		NICKEL PL.BRASS	ONK			
PAPD-R	11	(20) ISO-M20 (1) 1/2"	М	1/2"NPT	N	1/2"	G	6,0	8,5	140	10.0	32,0	STAINLESS STEEL				
		(1) 1/2						8,5	11,0	14,0	19,0		STAINLESS STEEL	XK			
DADD		(25) ISO-M25						8,5	11,0	15,0	20,0		NICKEL PL.BRASS	ONK			
PAPD PAPD-R	21	(25) 15U-M25 (2) 3/4"	М	3/4"NPT	N	3/4"	G	11,0	13,5	10.0	04.0	36,0	OTAINI FOO OTFFI				
		()						13,5	16	19,0	24,0		STAINLESS STEEL	XK			
								13,0	16,0	20,0	26,0		NICKEL PL.BRASS	ONK			
PAPD PAPD-R	31	(32) ISO-M32 (3) 1"	М	1"NPT	N	1"	G	16,0	19,0			45,0					
TAIDII		(3) 1						19,0	22,0	25,0	31,0		STAINLESS STEEL	XK			
								19,0	22,0	26,0	32,0		NICKEL PL.BRASS	ONK			
PAPD PAPD-R	41	(40) ISO-M40 (4) 1 1/4"	М	1 1/4"NPT	N	1 1/4"	G	22,0	25,0	31,0	37,0	53,0					
IAIDII		(4) 1 1/4									25,0	28,0	34,0	40,0		STAINLESS STEEL	XK
								22,0	25,0	30.0	37.0			ONK			
PAPD		(50) ISO-M50 (5) 1 1/2"				1.1(0)		25,0	28,0		· · ·		NICKEL PL.BRASS	OHI			
PAPD-R	51		М	1 1/2"NPT	N	1 1/2"	G	28,0	31,0	36,0	43,0	61,0	STAINLESS STEEL	XK			
								31,0	34,0	40,0	47,0			AIX			
								34,0	37,0	42,0	48,0		NICKEL PL.BRASS	ONK			
PAPD PAPD-R	61	(63) ISO-M63 (6) 2"	М	2"NPT	N	2"	G	37,0	40,0	47,0	53,0	71,0	NICKEL PL.BRASS	ONK			
РАРД-К		(0) 2						40,0	43,0	50,0	56,0		STAINLESS STEEL	XK			
								40,0	43,0	52.0	58,0			ONK			
PAPD	71	(75) ISO-M75	м	2 1/2"NPT	N	2 1/2"	G	43,0	46,0	58,0	64,0	84,0	NICKEL PL.BRASS	UNK			
PAPD-R		(7) 2 1/2"						46,0 49,0	49,0 52,0	61,0	67,0	-	STAINLESS STEEL	XK			
								52,0	55,0	65.0	72,0			ONIZ			
PAPD	81	(90) ISO-M90	м	3"NPT	N	3"	G	56,0 57,0	59,0 60,0			101,0	NICKEL PL.BRASS	ONK			
PAPD-R	01	(8) 3"		3 141 1	••	J	G	60,0	63,0	71,0	78,0	101,0	STAINLESS STEEL	XK			
								63,0 58.0	66,0 66,0	74,0	81,0						
PAPD		(100) 100 14100						66,0	72,0	81,0	88,0	_	NICKEL PL.BRASS	ONK			
PAPD-R	91	(100) ISO-M100 (9) 4"	М	4"NPT	N	4"	G	72,0	78,0	88,0	96,0	126,0	STAINLESS STEEL				
		(3) 4						78,0 84,0	84,0 90,0	96,0	104,0		91AIMLE9991EEL	XK			
		I	T				T										

CABLE GLAND ORDERING EXAMPLES PAPD ONK 11 20 PAPD 21 N XK LEGEND

= PAPD212NXK

= PAPD1120MONK (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.) (NON-BARRIER CABLE GLAND STAINLESS STEEL)

(1)	CABLE GLAND TYPE/MODEL	PAPD = NON-BARRIER CABLE GLAND - PAPD-R = BARRIER CABLE GLAND
(2)	THREADING	$\mathbf{M} = \text{ISO METRIC pitch 1,5mm} - \mathbf{N} = \text{NPT (ANSI/ASME B1.20.1)} - \mathbf{G} = \text{ISO-228}$
(3)	CABLE GLAND MATERIAL	ONK = NICKEL PLATED MARINE BRASS - XK = STAINLESS STEEL AISI-316L



1	BODY
2-3-4	INNER SEALING RING FOR ARMOURED CABLE
5	ARMOUR CLAMPING CONE
6	ARMOUR CLAMPING RING FOR ARMOURED CABLE
7	GLAND BARREL
8-9	OUTER SEALING RING
10	ANTI RUBBING WASHER
11	GLAND NUT
12	O-RING (ONLY FOR METRICAL)
13	*CHAMBER FOR SEALING ("R" VERSION ONLY)
14	LEAD WASHER

REMARK:





Classification: Group II - Category 2G 2D

























REFERENCE STANDARDS

Directive 2014/34/EU	
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 03 ATEX 0140X
PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C \div +90°C (Rubber rings EPDM-60) -60°C \div +180°C (Rubber rings SILICON)
OTHER AVAILABLE CERTIFICATES	IECEx: IECEx INE 11.0013X
	INMETRO: CEPEL 12.2176X
	EAC: TC RU C-IT.ГБ08.В.02646 (-75°C ÷ +180°C)
	RINA: ELE137217CS004
	RUSSIAN MARINE CERTIFICATE (RMRS): 19.02549.280
	Kc (Korean certification): 14-KB4BO- (from 0427X to 0044X)
	CCOE-PESO: P405708/7

Mechanical characteristics

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Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
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Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

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On Request Accessories:

· Locknuts, Gaskets, PVC Shrouds, Earthing Tags, Sealing (See DL-NW-PTD-ET bulletin)

CODE	SIZE				OUT SHEAT	TER TH DIA.														
(1)	OILL	METRIC	(2)	NPT	(2)	ISO 22	8 (2)	min [mm]	max [mm]	min [mm]	max [mm]	[mm]		(3)						
		(16)ISO-M16						4,0	7,0	10.0	15.0	04.0	NICKEL PL.BRASS	ON						
DAD		(0)3/8"		3/8"NPT		3/8"		7,0	10,0	10,0	15,0	24,0	STAINLESS STEEL	IX						
PAP PAP-R	00	(20)ISO-M20	М		N		G	5,5	8,0	10,0	15,0		NICKEL PL.BRASS	ON						
		(1)1/2"		1/2"NPT		1/2"		8,0	10,5	14,0	19,0	32,0	STAINLESS STEEL	IV.						
		(7						10,5	13,0	14,0	19,0		21AINLE2221EEL	IX						
PAP	11	(20) ISO-M20	м	1/2"NPT	N	1/2"	G	5,5 8,0	8,0 10,5	10,0	15,0	32,0	NICKEL PL.BRASS	ON						
PAP-R	''	(1) 1/2"	IVI	1/2 141 1		1/2		10,5	13,0	14,0	19,0	32,0	STAINLESS STEEL	IX						
DAD		(2E) ICO M2E						10,5	13,0	15,0	20,0		NICKEL PL.BRASS	ON						
PAP PAP-R	21	(25) ISO-M25 (2) 3/4"	М	3/4"NPT	N	3/4"	G	13,0	15,5	19,0	24,0	36,0								
		(2) 0/ 1						15,5	18,0	19,0	24,0		STAINLESS STEEL	IX						
PAP		(32) ISO-M32						15,0	18,0	20,0	26,0		NICKEL PL.BRASS	ON						
PAP-R	31	(32) 130-14132	М	1"NPT	N	1"	G	18,0	21,0	05.0	01.0	45,0								
								21,0	24,0	25,0	31,0		STAINLESS STEEL	IX						
		(40) 100 1440						21,0	24,0	26,0	32,0		NICKEL PL.BRASS	ON						
PAP PAP-R	41	(40) ISO-M40 (4) 1 1/4"	М	1 1/4"NPT	N	1 1/4"	G	24,0	27,0	31,0	37,0	53,0								
TAI -II								27,0	30,0	34,0	40,0		STAINLESS STEEL	IX						
		(50) ISO-M50 (5) 1 1/2"				N 1 1/2"		24,0	27,0	30.0	37,0									
PAP							1 1/2"		27,0	30,0				NICKEL PL.BRASS	ON					
PAP-R	51		М	1 1/2"NPT	N			1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	G	30,0	33,0	36,0	43,0	61,0
								33,0	36,0	40,0	47,0		STAINLESS STEEL	IX						
		(63) ISO-M63												36,0	39,0	42,0	48,0		NICKEL PL.BRASS	ON
PAP	61		М	2"NPT	N	2"	2"	2"	G	39,0	42,0	47,0	53,0	71,0	MOREET E.BITAGO	014				
PAP-R	01	(6) 2"		2 141 1				-				11,0	STAINLESS STEEL	IX						
								42,0	45,0	50,0	56,0		STAINLESS STEEL	1/						
5.5		(75) 100 1475						42,0	45,0	52,0	58,0		NICKEL PL.BRASS	ON						
PAP PAP-R	71	(75) ISO-M75 (7) 2 1/2"	М	2 1/2"NPT	N	2 1/2"	G	45,0 48,0	48,0 51,0	58,0	64,0	84,0								
101 11		(1) 2 1/2						51,0	54,0	61,0	67,0		STAINLESS STEEL	IX						
								52,0	56,0	65,0	72,0		NICKEL PL.BRASS	ON						
PAP	81	(90) ISO-M90	м	3"NPT	N	3"	G	56,0 59.0	59,0 62,0	71,0	78.0	101.0	NICKEL PL.DNASS	UN						
PAP-R	01	(8) 3"	IVI	JINEI	14	3	G	62,0	65,0			101,0	STAINLESS STEEL	IX						
								65,0	68,0	74,0	81,0		- ////							
								68,0	74,0	81,0	88,0		NICKEL PL.BRASS	ON						
PAP	91	(100) ISO-M100	М	4"NPT	N	4"	G	74,0	80,0	88,0	96,0	126,0	NIUNEL PL.DNASS							
PAP-R		(9) 4"						80,0 86.0	86,0 92,0	96,0	104,0		STAINLESS STEEL	IX						
								80,0	92,0	55,5	, .									

CABLE GLAND ORDERING EXAMPLES

LEGEND

 · V	٧	,		V	
PAP	11	20	-	M	ONK
PAP	21	-	2	N	XK

= PAP1120M0NK (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)

= **PAP212NXK** (NON-BARRIER CABLE GLAND STAINLESS STEEL)

	(1)	CABLE GLAND TYPE/MODEL	PAP# = NON-BARRIER CABLE GLAND - PAP-R# = BARRIER CABLE GLAND
	(2)	THREADING	$\mathbf{M} = \text{ISO METRIC pitch 1,5mm} - \mathbf{N} = \text{NPT (ANSI/ASME B1.20.1)} - \mathbf{G} = \text{ISO-228}$
ĺ	(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IX = AISI-316L STAINLESS STEEL

PAP DIMENSIONAL (13)
9 7 6 2 3 1 1 12 12 12 12 12 12 12 12 12 12 12 12
of an analysis will be mice with scaling when cable giant is completely assembled

1	BODY
2-3-4	INNER SEALING RING FOR ARMOURED CABLE
5	ARMOUR CLAMPING CONE
6	ARMOUR CLAMPING RING FOR ARMOURED CABLE
7	GLAND BARREL
8-9	OUTER SEALING RING
10	ANTI RUBBING WASHER
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12	O-RING (ONLY FOR METRICAL)
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REMARK:





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PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C \div +90°C (Rubber rings EPDM-60) -60°C \div +180°C (Rubber rings SILICON)
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	INMETRO: CEPEL 12.2176X
	EAC: TC RU C-IT.ГБ08.В.02646 (-75°C ÷ +180°C)
	RINA: ELE137217CS004
	RUSSIAN MARINE CERTIFICATE (RMRS): 19.02549.280
	Kc (Korean certification): 14-KB4BO- (from 0427X to 044X)
	CCOE-PESO: P405708/7

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) marine grade copper free aluminium (on project request only)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
0-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 Single compression type for indoor and outdoor use Provided armour clamping using clamping arrangements suitable for all armour wire/braid types Single compression - under armour and overall of armour cable (inner and outer sealing) Sealing with proper resin into "chamber of sealing"





On Request Accessories:

(on barrier type version "r" only)

· Locknuts, Gaskets, PVC Shrouds, Earthing Tags, Sealing (See DL-NW-PTD-ET bulletin)

CODE	SIZE		EN	NTRY THREAD SIZE					JNDER IOUR	OUTER SHEATH DIA.	HEXAGON &	MATERIAL															
(1)	OIZE	METRIC	(2)	NPT	(2)	ISO 22	8 (2)	min [mm]	max [mm]	max [mm]	[mm]		(3)														
		(16) ISO-M16						4,0	7,0			NICKEL PL.BRASS	ON														
		(0) 3/8"		3/8"NPT		3/8"		7,0	10,0	10,0	24,0	STAINLESS STEEL	IX														
PA PA-R	00	(20) ISO-M20	М		N		G	5,5	8,0	10,0		NICKEL PL.BRASS	ON														
		(1) 1/2"		1/2"NPT		1/2"		8,0	10,5	14.0	32,0																
		() -						10,5	13,0	14,0		STAINLESS STEEL	IX														
PA	11	(20) ISO-M20	м	1/2"NPT	N	1/2"	G	5,5 8,0	8,0 10.5	13.0	32,0	NICKEL PL.BRASS	ON														
PA-R	""	(1) 1/2"	141	1/2 141 1	.,	1/2		10,5	13,0	10,0	32,0	STAINLESS STEEL	IX														
PA		(25) ISO-M25						10,5	13,0			NICKEL PL.BRASS	ON														
PA-R	21	(2) 3/4"	М	3/4"NPT	N	3/4"	G	13,0	15,5	18,0	36,0	STAINLESS STEEL	IX														
		(=, -, -						15,5	18,0			STAINLESS STEEL	1/4														
PA		(32) ISO-M32						15,0	18,0			NICKEL PL.BRASS	ON														
PA-R	31	(3) 1"	М	1"NPT	N	1"	G	18,0	21,0	24,0	45,0	STAINLESS STEEL	IX														
								21,0	24,0			STAINLESS STEEL	1/4														
PA		(40) ISO-M40						21,0	24,0			NICKEL PL.BRASS	ON														
PA-R	41	(4) 1 1/4"	М	1 1/4"NPT	N	1 1/4"	G	24,0	27,0	30,0	53,0	0711111500 07551															
		.,						27,0	30,0			STAINLESS STEEL	IX														
																						24,0	27,0			NICKEL PL.BRASS	ON
PA	51	(50) ISO-M50	м	1 1/2"NPT	N	N	N	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	G	27,0	30,0	36.0	61,0										
PA-R	٥.	(5) 1 1/2"		,		1 1/2		30,0	33,0		- 1,-	STAINLESS STEEL	IX														
								33,0	36,0																		
								36,0	39,0			NICKEL PL.BRASS	ON														
PA	61	(63) ISO-M63	м	2"NPT	N	2"	G	39,0	42,0	45.0	71,0	MOREET E.DITAGO	011														
PA-R	01	(6) 2"		2 111 1	••					10,0	71,0	STAINLESS STEEL	IX														
								42,0	45,0																		
D.A		(75) ISO-M75						42,0 45,0	45,0 48,0			NICKEL PL.BRASS	ON														
PA PA-R	71	(75) ISU-M75 (7) 2 1/2"	М	2 1/2"NPT	N	2 1/2"	G	45,0	51,0	54,0	84,0																
		(1) 2 1/2						51,0	54,0			STAINLESS STEEL	IX														
								52,0 56,0	56,0 59,0			NICKEL PL.BRASS	ON														
PA	81	(90) ISO-M90	м	3"NPT	N	3"	G	59,0	62,0	68,0	101,0																
PA-R	O1	(8) 3"		0				62,0	65,0			STAINLESS STEEL	IX														
								65,0 68,0	68,0 74,0																		
PA		(100) ISO-M100	00) ISO-M100 (9) 4"	0) ISO M100					74,0	80,0			NICKEL PL.BRASS	ON													
PA-R	91	(9) 4"		4"NPT	N	4"	G	80,0	86,0	92,0	126,0																
		(3) 4						86,0	92,0			STAINLESS STEEL	IX														
		ı																									

CABLE GLAND ORDERING EXAMPLES

PAP 11 20 ONK PAP 2 XK

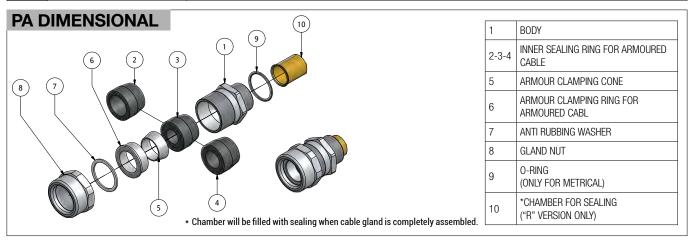
= PA1120MONK (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)

(NON-BARRIER CABLE GLAND STAINLESS STEEL)

LEGEND

(1)	CABLE GLAND TYPE/MODEL	PA = NON-BARRIER CABLE GLAND - PA-R = BARRIER CABLE GLAND
(2)	THREADING	$\mathbf{M} = \text{ISO METRIC pitch 1,5mm} - \mathbf{N} = \text{NPT (ANSI/ASME B1.20.1)} - \mathbf{G} = \text{ISO-228}$
(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IX = AISI-316L STAINLESS STEEL

= PA212NXK



REMARK:





Classification: Group II - Category 2G 2D

























REFERENCE STANDARDS

HEI ERENGE GIVARDIANDO	
Directive 2014/34/EU	
EXECUTION	© II 2 G Ex d / Exe / Exia IIC Gb © II 2 D Ex tb IIIC Db
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EC Type-Examination Certificate	INERIS 03 ATEX 0140X
PROTECTION DEGREE	IP66 or IP66/68
AMBIENT TEMPERATURE	-40°C \div +90°C (Rubber rings EPDM-60) -60°C \div +180°C (Rubber rings SILICON)
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Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) marine grade copper free aluminium (on project request only)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
0-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

Applications

Applications
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 DL-NW-PTD-ET bulletin)

CODE	0175		E	ENTRY THREAD SIZE				INNER SH	INNER SHEATH DIA.		MATERIAL	
(1)	SIZE	METRIC	(2)	NPT (2)		ISO 228 (2)		min [mm]	max [mm]	[mm]		(3)
		(16)ISO-M16		2 (OUNDT		0.4011		4,0	7,0	04.0	NICKEL PL.BRASS	ON
PNA		(0)3/8"		3/8"NPT		3/8"		7,0	10,0	24,0	STAINLESS STEEL	IX
PNA-R	00	(00)100 1400	М		N		G	5,5	8,0		NICKEL PL.BRASS	ON
		(20)ISO-M20 (1)1/2"		1/2"NPT		1/2"		8,0	10,5	32,0		
		(1)172						10,5	13,0		STAINLESS STEEL	IX
		,						5,5	8,0		NICKEL PL.BRASS	ON
PNA PNA-R	11	(20) ISO-M20	М	1/2"NPT	N	1/2"	G	8,0	10,5	32,0	NICKEL I E.DIIAGG	
PNA-K		(1) 1/2"						10,5	13,0		STAINLESS STEEL	IX
								10,5	13,0		AUGUEL DI DDAGG	ON
PNA	21	(25) ISO-M25	м	3/4"NPT	N	3/4"	G	13,0	15,5	36,0	NICKEL PL.BRASS	ON
PNA-R		(2) 3/4"						15,5	18,0	_	STAINLESS STEEL	IX
								15,0	18,0			011
PNA	31	(32) ISO-M32	м	1"NPT	N	1"	G	18,0	21,0	45,0	NICKEL PL.BRASS STAINLESS STEEL	ON
PNA-R	01	(3) 1"	IVI				٠	21,0	24,0	40,0		IX
								21,0	24,0			
PNA	41	(40) ISO-M40	м	1 1/4"NPT	N	1 1/4"	/4" G	24,0	27,0	53,0	NICKEL PL.BRASS	ON
PNA-R	71	(4) 1 1/4"	IVI	1 1/4 141 1	14			27,0	30,0		STAINLESS STEEL	IX
								24,0	27,0			
		(50) ISO-M50 (5) 1 1/2"			N			27,0	30,0		NICKEL PL.BRASS	ON
PNA PNA-R	51		М	1 1/2"NPT		N	l 1 1/2"	1 1/2"	G		33,0	61,0
I IVA II		(3) 1 1/2						30,0			STAINLESS STEEL	IX
								33,0	36,0			
PNA		(63) ISO-M63						36,0	39,0	_	NICKEL PL.BRASS	ON
PNA-R	61	(6) 2"	М	2"NPT	N	2"	G	39,0	42,0	71,0	STAINLESS STEEL	IX
								42,0	45,0		07/11/12/2000/12/22	IA
PNA		(75) ISO-M75						42,0 45,0	45,0 48,0		NICKEL PL.BRASS	ON
PNA-R	71	(7) 2 1/2"	М	2 1/2"NPT	N	2 1/2"	G	48,0	51,0	84,0	STAINLESS STEEL	
		(-,, -						51,0	54,0		2 I A INLESS 2 I EEL	IX
								52,0	56,0	_	NIOVEL DI DDAGO	ON
PNA	81	(90) ISO-M90	м	3"NPT	N	3"	G	56,0 59,0	59,0 62,0	101,0	NICKEL PL.BRASS	0.1
PNA-R		(8) 3"				ľ		62,0	65,0	_ ·	STAINLESS STEEL	IX
								65,0	68,0			
DMA		(100) 100 14100						68,0	74,0		NICKEL PL.BRASS	ON
PNA PNA-R	91	(100) ISO-M100 (9) 4"	М	4"NPT	N	4"	G	74,0 80,0	80,0 86,0	126,0		
	(9) 4					86,0	92,0		STAINLESS STEEL	IX		
		-						55,5	32,0			

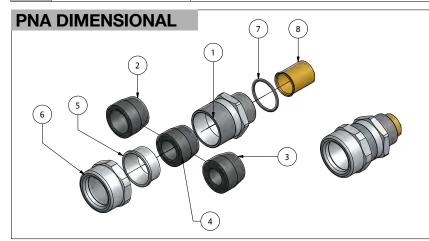
CABLE GLAND ORDERING

EXAMPLES

LEGEND

u		*					
PNA	11	20	-	M	ONK	= PNA1120MONI	(NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)
PNA	21	-	2	N	XK	= PNA212NXK	(NON-BARRIER CABLE GLAND STAINLESS STEEL)

(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 = ISO-228
(3)	CABLE GLAND MATERIAL	ON = NICKEL PLATED MARINE BRASS - IX = AISI-316L STAINLESS STEEL



BODY
INNER SEALING RING FOR NOT ARMOURED CABLE
PRESS RING
GLAND NUT
O-RING (ONLY FOR METRICAL)
*CHAMBER FOR SEALING ("R" VERSION ONLY)

^{*} Chamber will be filled with sealing when cable gland is completely assembled.

REMARK:





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

























REFERENCE STANDARDS

© II 2 G Ex d / Exe / Exia IIC Gb © II 2 D Ex tb IIIC Db
EN/IEC 60079-0; EN/IEC 60079-1; EN/IEC 60079-7; EN/IEC 60079-31
INERIS 03 ATEX 0140X
IP66 or IP66/68
-40°C \div +90°C (Rubber rings EPDM-60) -60°C \div +180°C (Rubber rings SILICON)
IECEx: IECEx INE 11.0013X
INMETRO: CEPEL 12.2174X
EAC: TC RU C-IT.ГБ08.В.02646 (-75°C ÷ +180°C)
RINA: ELE137217CS004
RUSSIAN MARINE CERTIFICATE (RMRS): 19.02549.280
Kc (Korean certification): 14-KB4BO-(from 0427X to 0444X)
CCOE-PESO: P405708/7

Mechanical characteristics

Body / cap	OT-58 marine brass (ON) - AISI-316L stainless steel (IX) marine grade copper free aluminium (on project request only)
Finishes	full nickel plating treatment (brass material only)
Rubber rings	EPDM rubber 50-60 shore hardness (standard supply) Silicon rubber 60 shore hardness (on demand only)
0-ring	silicon rubber - 60 shore hardness
Skid washer	nylon 6.0
Chamber for sealing	OT-58 marine brass ("R" version only)

Applications

Applications
For unarmoured cables only
Suitable for flexible conduit coupling connection by threaded cap (uni iso 228)
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 DL-NW-PTD-ET bulletin)

CODE	SIZE		E	NTRY THREAD S	ZE			INNER SE	IEATH DIA.	FEMALE THREAD	HEXAGON &	MATERIAL			
(1)	SIZE	METRIC	(2)	NPT	(2)	ISO 228	3 (2)	min [mm]	max [mm]	UNI ISO 228 (4)	[mm]		(3)		
		(16)ISO-M16						4,0	7,0			NICKEL PL.BRASS	ON		
PNAF		(0)3/8"		3/8"NPT		3/8"		7,0	10,0	3/8"	24,0	STAINLESS STEEL	IX		
PNAF-R	00	(00)100 1100	М		N		G	5,5	8,0			NICKEL PL.BRASS	ON		
		(20)ISO-M20 (1)1/2"		1/2"NPT		1/2"		8,0	10,5	1/2"	32,0				
		(-7-7=						10,5	13,0			STAINLESS STEEL	IX		
PNAF		(20) ISO-M20						5,5	8,0			NICKEL PL.BRASS	ON		
PNAF-R	11	(20) 150-M20 (1) 1/2"	М	1/2"NPT	N	1/2"	G	8,0	10,5	1/2"	32,0	0741111 500 07551			
		(., ., =						10,5	13,0			STAINLESS STEEL	IX		
DNAF		(25) ISO-M25						10,5	13,0	_		NICKEL PL.BRASS	ON		
PNAF PNAF-R	21	(25) 15U-M25 (2) 3/4"	М	3/4"NPT	N	3/4"	G	13,0	15,5	3/4"	36,0	OTAINI FOO OTEFI			
		(2) 37 .						15,5	18,0			STAINLESS STEEL	IX		
DUAE		(32) ISO-M32						15,0	18,0		45,0		NICKEL PL.BRASS	ON	
PNAF PNAF-R	31	(32) 130-M32 (3) 1"	М	1"NPT	N	1"	G	18,0	21,0	1"					
		(0) 1						21,0	24,0			STAINLESS STEEL	IX		
DUAE		(40) 100 1440						21,0	24,0			NICKEL PL.BRASS	ON		
PNAF PNAF-R	41	(40) ISO-M40 (4) 1 1/4"	М	1 1/4"NPT	N	1 1/4"	G	24,0	27,0	1 1/4"	53,0				
		(1) 1 17 1						27,0	30,0			STAINLESS STEEL	IX		
	51									24,0	27,0				ON
PNAF		(50) ISO-M50	м	1 1/2"NPT	PT N	1 1/2"	G	27,0	30,0	1 1/2"	61,0	NICKEL PL.BRASS	UN		
PNAF-R	31	(5) 1 1/2"	IVI	1 1/2 NF1	IN	1 1/2	G	30,0	33,0	1 1/2	1/2" 61,0	STAINLESS STEEL	IX		
								33,0	36,0				IA		
		(60) 100 1460						36,0	39,0			NICKEL PL.BRASS	ON		
PNAF PNAF-R	61	(63) ISO-M63 (6) 2"	М	2"NPT	N	2"	G	39,0	42,0	2"	71,0				
110/11		(0) 2						42,0	45,0			STAINLESS STEEL	IX		
		(75) 100 1175			42,0 45,0			NICKEL PL.BRASS	ON						
PNAF PNAF-R	71	(75) ISO-M75 (7) 2 1/2"	М	2 1/2"NPT	N	2 1/2"	G	45,0 48,0	48,0 51,0	2 1/2"	84,0				
1100111		(1) 2 1/2						51,0	54,0			STAINLESS STEEL	IX		
								52,0	56,0				ON		
PNAF	81	(90) ISO-M90	м	3"NPT	N	3"	G	56,0 59,0	59,0 62,0	3"	3" 101,0	NICKEL PL.BRASS	UN		
PNAF-R	٠.	(8) 3"				-		62,0	65,0	_	,.	STAINLESS STEEL	IX		
								65,0	68,0						
PNAF		(100) ISO-M100						68,0 74,0	74,0 80,0			NICKEL PL.BRASS	ON		
PNAF-R	91	(100) ISO-M 100 (9) 4"	М	4"NPT	N	4"	G	80,0		4"	126,0	CTAINII FOO CTEF!			
		(-, -						86,0	92,0			STAINLESS STEEL	IX		

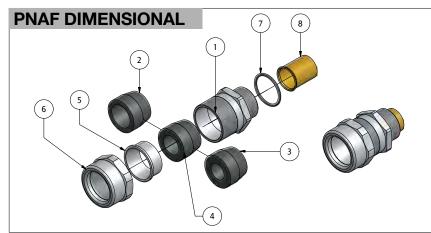
			_		1		
CABL	E GLAND OF	RDERING V	\	4	/	\	
EXAM	PLES	PNAF	11	20	-	M	ONK
		DNΙΔΕ	21		2	N	ΥK

= PNAF1120MONK (NON-BARRIER CABLE GLAND NICKEL PLATED BRASS ISO-M20 THR.)

 $= \textbf{PNAF212NXK} \qquad \text{(NON-BARRIER CABLE GLAND STAINLESS STEEL)}$

LEGENDA

(1)	CABLE GLAND TYPE/MODEL	PNAF = NON-BARRIER CABLE GLAND - PNAF-R = BARRIER CABLE GLAND
(2)	THREADING	$\mathbf{M} = \text{ISO METRIC pitch 1,5mm} - \mathbf{N} = \text{NPT (ANSI/ASME B1.20.1)} - \mathbf{G} = \text{ISO-228}$
(3)	CABLE GLAND MATERIAL	ONK = NICKEL PLATED MARINE BRASS - XK = AISI-316L STAINLESS STEEL
(4)	FEMALE THREAD	ISO-228 FEMALE THREAD SUITABLE FOR FLEXIBLE CONDUIT COUPLING



1	BODY
2-3-4	INNER SEALING RING FOR NOT ARMOURED CABLE
5	PRESS RING
6	GLAND NUT "FEMALE"
7	O-RING (ONLY FOR METRICAL)
8	*CHAMBER FOR SEALING ("R" VERSION ONLY)

^{*} Chamber will be filled with sealing when cable gland is completely assembled.





 $\begin{tabular}{ll} \textbf{Installation}: hazardous areas - Zone 1 / 2 (Gases) - Zone 21 / 22 (Dusts) \\ \textbf{Classification}: Group II - Category 2G 2D \\ \end{tabular}$



Mechanical characteristics

LOCKNUTS	
Material	nichel plated brass
Finishes	full nickel plating treatment (brass material only)

SHORUDS	
Material	EPDM

GASKETS	
Material	nylon 6.0

EARTH TAGS					
Material	stainless steel (for stainless cable glands)				
	nickel plated brass (for nickel plated brass cable glands)				

Applications

Locknuts	Are preferred items used in securing cable glands to the gland plate especially to plastic junction boxes
Shoruds	For all tipe of glands application where additional protection is required
Epoxy compoud kit	Is provided for submission of barrier cable glands type PR Kit composed of: - Component A (dark grey) - Component B (white) - Nitryle gloves
Gaskets	Are used to mantain the ip rating across the interface between the equipment and relevant cable gland
Earth tags	Are used to ensure earth continuity and grounding of cable armour



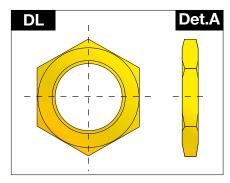


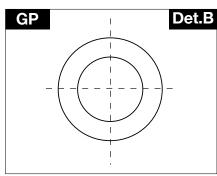
Technical Features

LOCKNUTS							
DETAIL A		THREADS / SIZE					
TYPE	NPT	UNI-228	ISO				
DLO	3/8"	3/8"	M16				
DL1	1/2"	1/2"	M20				
DL2	3/4"	3/4"	M25				
DL3	1"	1"	M32				
DL4	1-1/4"	1-1/4"	M40				
DL5	1-1/2"	1-1/2"	M50				
DL6	2"	2"	M63				
DL7	2-1/2"	2-1/2"	M75				
DL8	3"	3"	M90				
DL9	4"	4"	M100				

GASKETS				
DETAIL B	THREADS / SIZE			
TYPE	NPT	UNI-228	ISO	
GP0	3/8"	3/8"	M16	
GP1	1/2"	1/2"	M20	
GP2	3/4"	3/4"	M25	
GP3	1"	1"	M32	
GP4	1-1/4"	1-1/4"	M40	
GP5	1-1/2"	1-1/2"	M50	
GP6	2"	2"	M63	
GP7	2-1/2"	2-1/2"	M75	
GP8	3"	3"	M90	
GP9	4"	4"	M100	

WASHERS		
TYPE	ØD [mm]	DETAIL
3VRSM20X	20	С
3VRSM25X	25	С
3VRSM32X	32	С
3VRSM40X	40	С
3VRSM50X	50	С
3VRSM63X	63	С





3VRSM	Det.C
D	~3S

SHROUDS*			
DETAIL D	THREADS / SIZE		
TYPE	NPT	UNI-228	ISO
PTD0	3/8"	3/8"	M16
PTD1	1/2"	1/2"	M20
PTD2	3/4"	3/4"	M25
PTD3	1"	1"	M32
PTD4	1-1/4"	1-1/4"	M40
PTD5	1-1/2"	1-1/2"	M50
PTD6	2"	2"	M63
PTD7	2-1/2"	2-1/2"	M75
PTD8	3"	3"	M90
PTD9	4"	4"	M100

EARTHS TAGS			
DETAIL E	THREADS / SIZEE		
TYPE	NPT	UNI-228	ISO
ET0	3/8"	3/8"	M16
ET1	1/2"	1/2"	M20
ET2	3/4"	3/4"	M25
ET3	1"	1"	M32
ET4	1-1/4"	1-1/4"	M40
ET5	1-1/2"	1-1/2"	M50
ET6	2"	2"	M63
ET7	2-1/2"	2-1/2"	M75
ET8	3"	3"	M90
ET9	4"	4"	M100

TWO-COMPONENT EPOXY PASTE			
SIZE / CODE	Q.TY COMPOUND [gr]		
0 / INN-FS0904-1	6		
1 / INN-FS0904-1	6		
2 / INN-FS0904-2	12		
3 / INN-FS0904-3	24		
4 / INN-FS0904-5	56		
5 / INN-FS0904-5	56		
6 / INN-FS0904-6	88		
7 / INN-FS0904-7	200		
8 / INN-FS0904-8	288		

* Rlug	colour	Λn	raquiact	

