

**CABLE GLANDS WITH INCREASED SAFETY TYPE MAXIBLOCK ATEX  
4900 / 490I SERIES - POLYAMIDE PA6.6****Description:**

Certified by IMQ, Italian Institute for Quality Mark, according to EN 60079-0:2009, EN 60079-7:2007 and EN 60079-31:2009, related to materials intended for use in potentially explosive atmospheres in presence of dust and gas.

**Technical details:**

PROTECTION :	IP 65
MATERIAL :	POLYAMIDE PA6.6
SELF-EXTINGUISHING :	class V2 (UL 94)
SEALING RING:	NEOPRENE®
O-RING (from M32 and from PG21) :	Nitrile 70Sh A (factory fitted)
TEMPERATURE RANGE :	-20°C ÷ +75°C (continuous)
SAFETY LEVEL:	Ex e IIC/Ex tb IIIC
ACCORDING TO:	EN 60079-0 : 2009 ; EN 60079-7 : 2007 ; EN 60079-31 : 2009
AREAS OF UTILISATION:	I & 2, 21 & 22
COLOUR:	Light Grey RAL 7035
TORQUE SETTINGS:	
M12	2,7 Nm
M16	5 Nm
M20	7 Nm
M25	7,5 Nm
M32, M40 e M50	12 Nm
M63	25 Nm
Pg7	2,7 Nm
Pg9, Pg11, Pg13, Pg16	7,5 Nm
Pg21, Pg29	12 Nm
Pg36	18 Nm
Pg42, Pg48	25 Nm

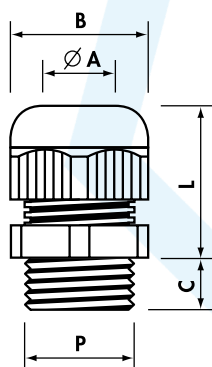
**Marks:**

Certificate No IMQ ATEX 028X

**94/10CE (ATEX); 1999/92/CE Directives**  
**EN 60079-0 : 2009; EN 60079-7 : 2007; EN 60079-31 : 2009; IEC 61241-1 Norms**

**Cembre SpA**

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**CABLE GLANDS WITH INCREASED SAFETY TYPE MAXIBLOCK ATEX  
4900 / 4901 SERIES - POLYAMIDE PA6.6**

**Metric thread M 1.5 pitch CEI EN 60423 CEI EN 50262**

Ref. Light Grey	P	Fixing Hole Ø (mm)	Ø A mini-max (mm)	B Spanner (mm)	C (mm)	L min-max (mm)	Quantity
4900.M12	M12x1,5	12,2	3,5- 6,5	15	8	18-22	100
4900.M16	M16x1,5	16,2	6,5-10	19	8	22-27	100
4900.M20	M20x1,5	20,5	9 -13	25	9	24-30	100
4900.M25	M25x1,5	25,4	11 -17	30	10	28-39	50
4900.M32	M32x1,5	32,5	16 -21	36	10	33-44	25
4900.M40	M40x1,5	40,5	21 -28	46	10	36-45	15
4900.M50	M50x1,5	50,5	27 -35	55	12	43-52	10
4900.M63	M63x1,5	64,0	35 -42	66	12	45-55	5

**extended thread**

Ref. Light Grey	P	Fixing Hole Ø (mm)	Ø A mini-max (mm)	B Spanner (mm)	C (mm)	L min-max (mm)	Quantity
4901.M12	M12x1,5	12,2	3,5- 6,5	15	15	18-22	100
4901.M16	M16x1,5	16,2	6,5-10	19	15	22-27	100
4901.M20	M20x1,5	20,5	9 -13	25	15	24-30	50
4901.M25	M25x1,5	25,4	11 -17	30	15	30-41	50
4901.M32	M32x1,5	32,5	16 -21	36	15	33-44	25
4901.M40	M40x1,5	40,5	21 -28	46	18	36-45	15
4901.M50	M50x1,5	50,5	27 -35	55	18	43-52	10
4901.M63	M63x1,5	64,0	35 -42	66	18	45-55	5

**Pg thread DIN 40 430**

Ref. Light Grey	P	Fixing Hole Ø (mm)	Ø A mini-max (mm)	B Spanner (mm)	C (mm)	L min-max (mm)	Quantity
4900.07	Pg 7	12,7	3,5- 6,5	15	8	18-22	100
4900.09	Pg 9	15,5	6,5- 8	19	8	22-26	100
4900.11	Pg11	18,8	8 -10	22	8	23-28	100
4900.13	Pg13,5	20,5	9 -12	24	9	24-29	100
4900.16	Pg16	22,6	10 -14	27	10	26-31	50
4900.21	Pg21	28,5	14 -18	33	12	30-35	50
4900.29	Pg29	37,2	18 -22	42	12	33-39	25
4900.36	Pg36	47,2	22 -32	53	14	42-49	10
4900.42	Pg42	54,2	28 -38	60	14	42-50	5
4900.48	Pg48	60,0	38 -45	66	15	45-55	5

**extended thread**

Ref. Light Grey	P	Fixing Hole Ø (mm)	Ø A mini-max (mm)	B Spanner (mm)	C (mm)	L min-max (mm)	Quantity
4901.07	Pg 7	12,7	3,5- 6,5	15	15	18-22	100
4901.09	Pg 9	15,5	6,5- 8	19	15	22-26	100
4901.11	Pg11	18,8	8 -10	22	15	23-28	100
4901.13	Pg13,5	20,5	9 -12	24	15	24-29	100
4901.16	Pg16	22,6	10 -14	27	15	26-31	50
4901.21	Pg21	28,5	14 -18	33	15	30-35	50
4901.29	Pg29	37,2	18 -22	42	15	33-39	25
4901.36	Pg36	47,2	22 -32	53	18	42-49	10
4901.42	Pg42	54,2	28 -38	60	18	42-50	5
4901.48	Pg48	60,0	38 -45	66	18	45-55	5

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## CABLE GLANDS WITH INCREASED SAFETY TYPE MAXIBLOCK ATEX 4900 / 490I SERIES - POLYAMIDE PA6.6

The main features of each ATEX device or component should be included in the marking.

Below are listed the indications which are marked on our new 4900 / 490I Series ATEX cable gland with the explanation of their meaning.

	General information; reference to the Directive						Specific information; normative references									
Symbol		0051		II	2	GD	Ex	e	IIC	Ex	tb	IIIC	IMQ	10	ATEX028X	
Meaning	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	

**Legenda:**

- (1) CE Marking of compliance to the ATEX Directive
- (2) Identification number of the Notified Body
- (3) Specific Marking attesting explosion protection
- (4) Group: II; NOT MINES
- (5) Category: 2; ELEVATED PROTECTION; areas of use 1 and 2I, and also suitable for areas 2 and 22
- (6) Suitable for gases, vapors and fogs (letter G); suitable for powders (D)
- (7) Ex; indicates compliance with specific product standard IEC EN 60079-7:2008, Explosive Atmospheres, Part 7: Equipments with increased safety “e” protection mode
- (8) Indication of increase safety “e” protection mode; for EPL (Equipment Protection Level) Gb, i.e. “equipment for use in explosive atmospheres due to the presence of gas, with high level of protection , which is not source of ignition during normal operation or when subject to foreseen malfunction”
- (9) Group II: for use in areas other than mines with explosive atmospheres due to gases (with the possible presence of Grisou); letter C: explosive mixture of gas (21 +/- 5) % Hydrogen
- (10) Ex; indicates compliance with specific product standard IEC EN 60079-31:2010, Explosive Atmospheres, Part 31: Equipments with protection mode obtained by “t” enclosures, intended to be used in presence of combustible dust
- (11) Indication of “tb” protection mode; protection by enclosure; EPL (Equipment Protection Level) Db, i.e. “equipment for use in explosive atmospheres due to the presence of combustible powder, with high level of protection , which is not source of ignition during normal operation or when subject to foreseen malfunction”
- (12) Group III: for use in areas other than mines with explosive atmospheres due to the presence of combustible dust (with the possible presence of Grisou), Part C, conductive dust, protection against penetration, according to IEC 60079-0; IP 6x, i.e. totally protected against the penetration of dust
- (13) Certifying Body: IMQ
- (14) Year of certification issue: 2010
- (15) Indication of the Certification number: 028X

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