

An isometric exploded view of various industrial components, including terminal blocks, connectors, and housings, rendered in white and yellow outlines against a dark blue background. The components are arranged in a grid-like pattern, showing their relative positions and assembly points.

**ATEX** BY SPINA







# Ex

## JUNCTION AND PULLING BOXES



## CABLE GLANDS



## CONDUITS AND FITTINGS



## LIGHTING





# Ex

## SWITCHBOARDS AND CONTROL UNITS



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## ACOUSTIC AND SIGNALING UNITS



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## SOCKETS AND PLUGS



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## PORTABLE ACCESSORIES FOR BUILDING YARD



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## GAS DETECTOR



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# Waterproof

## JUNCTION AND SWITCHBOARDS



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## LIGHTING



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# Waterproof

## CONDUITS AND FITTINGS



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## PORTABLE DEVICES



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## Who?

Atex, a production line of Spina Group, is a manufacturer of explosion-proof electrical equipment and accessories, created to respond to safety requirements in the industrial sector. The business unit of San Giuliano Milanese, near Milan, is 100% Italian, strongly geared towards the international market and has been operating in the areas of Oil & Gas, Petrochemical, Energy, Industry and Infrastructure.

## What?

Atex designs, manufactures and markets Ex d; Ex de; Ex e; Ex i products suitable for installation and use in industrial environments where potentially explosive atmospheres may occur.

## How?

Atex is highly specialized in manufacturing explosion proof material on specifications provided by the customer. In the absence of specifications, Atex offers suitable solutions for your scope of application and the existing regulatory standards. Tests and inspections are made in collaboration with the customer.

## Products

All products are manufactured in accordance with current European (EN) and International (IEC) standards and are certified in accordance with the requirements of the European Directive relating to equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) and the IECEx international voluntary certification scheme.

Fields of application:

- Oil & Gas: offshore platforms, gas and oil pipelines
- Energy: energy transmission, power plants, energy conversion, renewable sources, nuclear
- Industry: mining, steel, engineering, food, construction
- Petrochemical: chemical refinery, fertilizers and plastics
- Infrastructure: railways, transport, roads and highways, tunnels and bridges, terminals, seaports, logistic hubs

Production brand of





# Service

Atex offers a full service to support the development and maintenance of industrial plants and integrates design, engineering and production. Especially:

- Analyse and interpret any request through the experience of our staff
- Ad hoc design and innovative solutions
- 3D renderings
- Custom packing and shipping services on request
- Our supply package includes final Data Book and Certificates

**COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =**



## Ex Regulations

### Potentially Explosive Atmosphere

A potentially explosive atmosphere results to be a mixture of flammable gases, vapours, mists or dusts with oxygen which is generally present as a component of air.

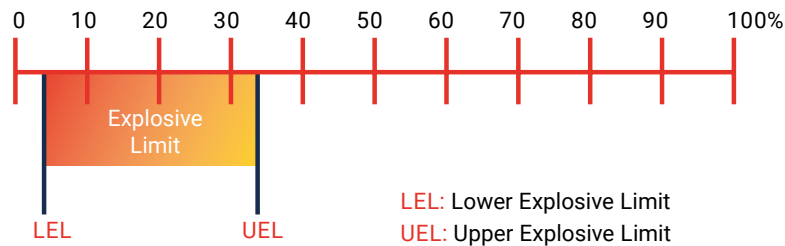
What conditions will create an explosion?

Three elements are required (see the explosion triangle diagram):

- Oxygen in the air
- Flammable substance, mixed with air (fuel). This substance can be :
  - gas (methane, acetylene),
  - liquid (petrol, solvent),
  - solid (sulphur, wood dust, sugar dust, grains dust...).
- Ignition source :
  - with sufficient energy, an electrical arc or a spark,
  - and/or a rise in temperature.

An explosion can only occur if the mixture (flammable substance + air) has the right concentration and an ignition source is present.

## Level of flammable gas or dust in the air



What is the Explosive Limit of a Flammable Substance?

The ignition of a flammable substance depends on its concentration in the air.

It can be produced within a range between two limits :

- lower explosive limit (LEL) of a gas, vapor, mist or dust in the air is the minimum concentration above which the mixture could ignite.
- upper explosive limit (UEL) of a gas, vapor, mist or dust in the air is the maximum concentration under which the mixture could ignite.



## Type of Ignition Sources

- Electric areas and spark
- Flames and hot gases
- Hot surfaces
- Electrostatic sparks
- Electromagnetic waves
- Mechanical friction
- Mechanical sparks produced by grinding
- Adiabatic compression and shock waves
- Optical radiation
- Electromagnetic radiation
- Chemical reactions
- Ultrasonic

## Explosive atmospheres

- Metal surface grinding, especially aluminium dust and particles
- Oil refineries, rigs and processing plants
- Gas pipelines and distribution centres
- Printing industries, paper and textiles
- Aircraft refueling and hangars
- Chemical processing plants
- Grain handling and storage
- Sewage treatment plants
- Surface coating industries
- Underground coalmines
- Woodworking areas
- Sugar refineries
- Vessels / ships
- Power plants

## Classification of Hazardous Areas

Hazardous areas are classified in Zones according to the frequency and duration of an explosive atmosphere.

This enables both selection of suitable equipment and appropriate electrical installation.

For gases, vapours, mists and dusts there are three identified zones:

ZONE	DESCRIPTION
Zone 0 and Zone 20	An area in which an explosive mixture of gas, vapour, mist or dust is continuously present or for long period or frequently
Zone 1 and Zone 21	An area in which an explosive mixture of gas, vapour, mist or dust is likely to occur during normal operation
Zone 2 and Zone 22	An area in which an explosive mixture of gas, vapour, mist or dust is not likely to occur in normal operation and if it occurs will only exist for a short time



## IEC & ATEX

The relationship between Zones of application, ATEX Categories and IEC Equipment Protection Levels (EPL) is shown below:

ZONE OF USE	ATEX CATEGORY	IEC EPL
ZONE 0	Category 1G	Ga
ZONE 20	Category 1D	Da
ZONE 1	Category 2G	Gb
ZONE 21	Category 2D	Db
ZONE 2	Category 3G	Gc
ZONE 22	Category 3D	Dc

## Gases and Vapours

Gases and vapours are classified as shown below. The possible number of chemical compounds is extensive and the list shown is only representative.

MINING	SURFACE INDUSTRY		
GROUP I	GROUP II		
	IIA	IIB	IIC
METHANE (GRISOU)	Propane	Ethylene	Acetylene
	Acetone	Methyl Ethyl Ketone	Hydrogen
	Toluene	Coal Gas	Carbon Disulphide

Group IIC is the most severe group. Hazards in this group can be ignited very easily indeed. Equipment marked as suitable for IIC is also suitable for IIB and IIA. Equipment marked as suitable for IIB is also suitable for IIA but NOT for IIC.

## Dusts and Fibres (Group III)

Group III dusts are subdivided according to the nature of the explosive atmosphere for which it is intended:

GROUP	SUBSTANCE
IIIA	Combustible flyings
IIIB	Non-conductive dust
IIIC	Conductive dust

The presence of dust layers does not automatically lead to the dust zone. The likelihood of the dust layer being disturbed to create a cloud needs to be considered. Dust layers also need careful consideration in terms of ignition temperature. Because the dust layer can make the equipment under it hotter than normal, a factor of safety is applied to the layer ignition temperature.



## Self ignition temperature of the hazardous material (Temperature Classes)

As well as considering the protection against electrical arcs and sparks igniting a flammable atmosphere, consideration needs to be given to the surface temperature of equipment. Flammable materials are categorized according to their ignition temperature. Again, rather than work with an infinite range, six temperature classes are defined as follows

TEMPERATURE CLASS	MAXIMUM SURFACE TEMPERATURE	IGNITION TEMPERATURE
T1	450°C	> 450°C
T2	300°C	> 300°C ≤ 450°C
T3	200°C	> 200°C ≤ 300°C
T4	135°C	> 135°C ≤ 200°C
T5	100°C	> 100°C ≤ 135°C
T6	85°C	> 85°C ≤ 100°C

Apparatus Groups and Temperature Classes for common flammable gases and vapours

GAS GROUP	TEMPERATURE					
	T1	T2	T3	T4	T5	T6
I	Methane (Grisou)					
IIA	Propane	Ethanol	Heptane	Benzaldehyde		
IIB	Hydrogen cyanide	Ethylene	Acryl aldehyde	Dibutyl ether		
IIC	Hydrogen	Acetylene				Carbon Disulphide

The maximum surface temperature decreases by increasing the “T” number.

The Temperature classification will be marked on items of equipment. If the hazardous area in which you are installing equipment has gases or vapors with a low auto ignition temperature then you will need equipment with a bigger T. Number so as to ensure that any hot surfaces on the equipment will not ignite the hazard.

For example, if a hazard has an auto ignition temperature of 180°C, then it would be safe to use equipment which is marked T6 or T5 or T4. It would not be safe to use equipment marked T3 or T2 or T1 as this equipment could exhibit surface temperatures which are hot enough to ignite the hazardous atmosphere.

## Temperature Classes for common flammable dusts and fibers

When considering installation that are risk of a potential explosion due to dust ignition, the equipment used is classified in much the same way as with gases. No equipment should be installed where the surface temperature of the equipment is greater than the ignition temperature of the given hazard. Below there are some common dust hazardous and their minimum ignition temperature:

IGNITION TEMPERATURES FOR COMMON FLAMMABLE DUSTS AND FIBERS		
SUBSTANCE	IGNITION TEMPERATURE	
	CLOUD	LAYER
Sugar	490°C	460°C
Aluminium	590°C	> 450°C
Flour	490°C	340°C
Coal dust	380°C	225°C
Methyl cellulose	420°C	320°C
Grain dust	510°C	300°C
Starch	460°C	435°C
Phenolic resin	530°C	> 450°C
Soot	810°C	570°C

# Protecting Electrical Apparatus to make it suitable for use in hazardous areas

Electrical apparatus for use in hazardous areas needs to be designed and constructed in such a way that it will not provide a source of ignition. Each Execution achieves its safety from ignition in different ways and not all are equally safe. In addition to the equipment being suitable for the Gas Group and the Temperature Class required, the Execution must be suitable for the zone in which it is to be installed. The different types of protection and the zones for which they are suitable are as follows:





TYPES OF PROTECTION FOR GAS				
EQUIPMENT CODE	PROTECTION CONCEPT	SUITABLE FOR ZONES	ATEX CATEGORY	IEC EPL
Ex ia	INTRINSIC SAFETY	0; 1; 2	1G	Ga
Ex ib		1; 2	2G	Gb
Ex ic		2	3G	Gc
Ex d	FLAMEPROOF	1; 2	2G	Gb
Ex px	PRESSURIZED	1; 2	2G	Gb
Ex py		1; 2	2G	Gb
Ex pz		2	3G	Gc
Ex e	INCREASED SAFETY	1; 2	2G	Gb
Ex ma	ENCAPSULATION	0; 1; 2	1G	Ga
Ex mb		1; 2	2G	Gb
Ex mc		2	3G	Gc
Ex o	OIL IMMERSION	1; 2	2G	Gb
Ex q	POWER FILLED	1; 2	2G	Gb
Ex op is	OPTICAL RADIATION	0; 1; 2	1G	Ga
Ex op pr		1; 2	2G	Gb
Ex op sh		0; 1; 2	1G	Ga
Ex n	TYPE - N	2	3G	Gc

TYPES OF PROTECTION FOR EQUIPMENT FOR DUST HAZARD LOCATIONS				
EQUIPMENT CODE	PROTECTION CONCEPT	SUITABLE FOR ZONES	ATEX CATEGORY	IEC EPL
Ex ta	INTRINSIC SAFETY	20; 21; 22	1D	Da
Ex tb		21; 22	2D	Db
Ex tc		22	3D	Dc
Ex ia	INTRINSIC SAFETY	20; 21; 22	1D	Da
Ex ib		21; 22	2D	Db
Ex ic		22	3D	Dc
Ex ma	ENCAPSULATION	20; 21; 22	1D	Da
Ex mb		21; 22	2D	Db
Ex mc		22	3D	Dc
p	PRESSURIZED	21; 22	2D	Db





TYPES OF PROTECTION FOR ELECTRICAL EQUIPMENT IN EXPLOSIVE GAS ATMOSPHERE					
EXECUTION	SYMBOL	ZONE	DIAGRAM	MAIN APPLICATION	STANDARD
FLAMEPROOF	d	1		switchgears, control stations, indicating equipment, control systems, motors, transformers, heating equipment, light fittings	IEC 60079-1 EN 60079-1
INCREASED SAFETY	e	1		junction boxes, control stations for installing, Ex-components (with a different Execution), squirrel-cage motors, light fittings	IEC 60079-7 EN 60079-7
PRESSURIZED	px	1		switchgear and control cabinets, analyzers, large motors	IEC 60079-2 EN 60079-2
	py	1			
	pz	2			
ENCAPSULATION	ma	0		switchgear with small capacity, control and signalling units, display units, sensors	IEC 60079-18 EN 60079-18
	mb	1			
	mc	2			
POWDER FILLING	q	1		sensors, display units, electronic ballasts, transmitters	IEC 60079-5 EN 60079-5
OIL IMMERSION	o	1		transformers, starting resistors	IEC 60079-6 EN 60079-6
INTRINSIC SAFETY	ia	0		instrumentation technology, fieldbus technology, sensors, actuators [Ex ib] = associated electrical apparatus – installation in the safe area	IEC 60079-11 EN 60079-11
	ib	1			
	ic	2			
EXECUTION "n"	nA	2		all electrical equipment for Zone 2 nA = non-sparking device nC = sparking devices and components nR = restricted breathing enclosures	IEC 60079-15 EN 60079-15
	nC	2			
	nR	2			
OPTICAL RADIATION	op is	0		op is = inherently safe optical radiation op pr = protected optical radiation op sh = optical radiation interlock	IEC 60079-28 EN 60079-28
	op pr	1			
	op sh	0			

TYPES OF PROTECTION FOR ELECTRICAL EQUIPMENT IN EXPLOSIVE DUST ATMOSPHERE					
EXECUTION	SYMBOL	ZONE	DIAGRAM	MAIN APPLICATION	STANDARD
PROTECTION BY ENCLOSURE	ta tb tc	20 21 22		switchgear, control stations, junction boxes, control boxes, motors, light fittings	IEC 60079-31 EN 60079-31
PRESSURIZED	p	20 21		switchgear and control cabinets, motors	IEC 61241-4 EN 61241-4
ENCAPSULATION	ma mb mc	20 21 22		switchgear with small capacity, control and signalling units, display units, sensors	IEC 60079-18 EN 60079-18
INTRINSIC SAFETY	ia ib ic	20 21 22		instrumentation technology, fieldbus technology, sensors, actuators [Ex ib] = associated electrical apparatus – installation in the safe area	IEC 60079-11 EN 60079-11



**Ex d “Flameproof Enclosure”**

Parts which can ignite an explosive atmosphere are contained within an enclosure into which the explosive atmosphere can enter but which will contain any resultant explosion and prevent its transmission outside of the enclosure.

**Ex p “Pressurized Equipment”**

The ingress of an explosive atmosphere in a housing containing electrical equipment, is avoided by maintaining a protective gas (air or an inert gas) at a slight overpressure to the surrounding atmosphere. The overpressure may or may not be maintained by continuous flow.

**Ex q “Powder Filling”**

All equipment that has the potential to arc or to spark is contained within an enclosure filled with quartz or glass powder particles. The powder filling prevents the possibility of an ignition.

**Ex o “Oil immersion”**

Electrical equipment or parts of it are immersed in oil, thus avoiding ignition of the explosive atmosphere above the oil surface or outside the housing. This protection method is rarely applied now.

**Ex e “Increased Safety”**

This protection method refers to equipment that does not ordinarily produce sparks and for which special precautions must be taken during construction. Unacceptably high temperatures must also be avoided, during both regular operation and certain irregular situations.

**Ex i “Intrinsic Safety”**

Intrinsic safety is intended for products in which the level of electrical energy circulating or stored in the product is insufficient to ignite a surrounding explosive atmosphere even under fault conditions. Because of the method by which intrinsic safety is achieved it is necessary to ensure that not only the electrical apparatus exposed to the potentially explosive atmosphere but also other electrical apparatus with which it is interconnected, is suitably constructed.

**Ex m “Encapsulation”**

With this protection method all parts that may ignite an explosive atmosphere, are encapsulated in a resin that is sufficiently resistant to ambient influences. Parts that could ignite an explosive atmosphere by means of sparks or heat are potted so as to prevent ignition of the explosive atmosphere.

**Ex n “Non Sparking”**

A Execution where precautions are taken so that electrical equipment that has the potential to arc is not capable of igniting a surrounding explosive atmosphere. This can be further categorized as follows:

Ex nA - Where components used in construction are no sparking

Ex nC - Where components used in construction are non incendive

Ex nR - Where components used are tightly enclosed to restrict the breathing and prevent ignition

**Ex op “Optical radiation”**

This is primarily concerned with the control of pulsed and continuous wave optical radiation through fiber optic cable with restrictions on the ratio of emitted optical power to the irradiated area. The protection concepts include Inherently Safe which is analogous to Ex i and provides over-power/energy fault protection. Other methods include mechanical protection of the fiber and optical interlocks.

**Ex t “Dust Protection by Enclosure”**

This method is applicable to electrical equipment protected by enclosure and surface temperature limitation for use in explosive and dust atmospheres.

# General comparison between IEC / CENELEC and NEC practice

CLASSIFICATION OF ZONES AND DIVISIONS				
DAINGEROUS EXPLOSIVE ATMOSPHERE	CONTINUOUSLY, LONG TERM OR FREQUENTLY	OCCASIONALLY	NOT LIKELY TO OCCUR AND FOR SHORT PERIOD ONLY	
GAS	IEC / CENELEC / NEC 505 NEC 500 (Class I)	ZONE 0	ZONE 1	ZONE 2
		DIVISION 1		DIVISION 2
DUST	IEC / CENELEC / NEC 506 NEC 500 (Class II, III)	ZONE 20	ZONE 21	ZONE 22
		DIVISION 1		DIVISION 2

## NEC 500 SCOPE

Articles 500 through 504 cover the requirements for electrical and electronic equipment and wiring for all voltages in Class I, Divisions 1 and 2; Class II, Divisions 1 and 2; and Class III, Divisions 1 and 2 locations where fire or explosion hazards may exist due to flammable gases, flammable liquid–produced vapors, combustible liquid–produced vapors, combustible dusts, or ignitable fibers/flyings.

## NEC 506 SCOPE

Article 506 is an alternative Classification System to Class II, and Class III that is based on the International Electrotechnical Commission System (IEC). Zones 20, 21 and 22 apply to combustible dusts or ignitable fibers/flyings. Combustible metallic dusts are not covered by Article 506.

## NEC 505 SCOPE

Article 505 is an alternative to the method of area classification for Class I locations as permitted in Article 500. The Zone Classification System is based on that of the International Electrotechnical Commission (IEC).

GROUPS			
IEC / CENELEC		NEC 500	
GROUP I	MINES SUSCEPTIBLE TO FIREDAMP		
	METHANE	-	
GROUP II SUBDIVISIONS	EXPLOSIVE GAS ATMOSPHERE TYPICAL GAS		CLASS I SUBDIVISIONS
IIA	PROPANE	PROPANE	CLASS I GROUP D
IIB	ETHYLENE	ETHYLENE	CLASS I GROUP C
IIC	HYDROGEN	HYDROGEN	CLASS I GROUP B
IIC	ACETYLENE	ACETYLENE	CLASS I GROUP A
GROUP III SUBDIVISIONS	EXPLOSIVE DUST ATMOSPHERE TYPICAL DUST		CLASS II / III SUBDIVISIONS
IIIA	COMBUSTIBLE FLYINGS	FIBERS / FLYINGS	CLASS III
IIIB	NON-CONDUCTIVE DUST	NON-CONDUCTIVE DUST	CLASS II GROUP G
IIIC	CONDUCTIVE DUST	CARBONACEOUS DUST	CLASS II GROUP F
-	-	COMBUSTIBLE METAL DUST	CLASS II GROUP E

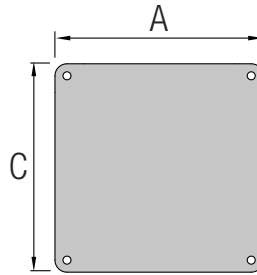
FIRST DIGIT NUMERAL	DEGREE OF PROTECTION (FOREIGN BODIES)	SECOND DIGIT NUMERAL	DEGREE OF PROTECTION (LIQUIDS)
0	No protection	0	No protection
1	Protection against ingress of large solid foreign bodies	1	Protection against drops of water
2	Protection against ingress of medium sized solid foreign bodies	2	Protection against drops of liquid falling at any angle up to 15° from vertical
3	Protection against ingress of small solid foreign bodies greater in diameter than 2.5mm	3	Protection against rain falling at any angle up to 60° from the vertical
4	Protection against ingress of small solid foreign bodies greater in diameter than 1mm	4	Protection against splashing. Liquid splashed from any direction shall have no harmful effect
5	Protection against ingress of dust in an amount sufficient to interfere with satisfactory operation of the enclosed equipment	5	Protection against water projected by nozzle from any direction
6	Complete protection against ingress of dust	6	Protection against powerful water jets
-	-	7	Protection against temporary immersion in water
-	-	8	Protection against indefinite immersion in water

### The IECEx Scheme

The IECEx scheme is an international certification scheme based on the use of IEC standards. This is now well established and has a large group of participants including all the major manufacturing countries. In each member country, test laboratories and certification bodies have been vetted and joined the scheme. These organizations now accept each other's test reports prepared under the scheme and issue certificates of conformity with IEC standards. The certificates will carry the IEC certification mark. The ultimate objective is the acceptance of one certificate regardless of origin to show that explosion proof equipment is safe for use. A fundamental requirement of the scheme is that participating countries align their national standards with IEC.





**ERC**

**Execution:**

II 2G Ex e IIC T6/T5/T4 Gb  
 II 2G Ex de IIC T6 Gb  
 II 2G Ex d e mb IIC T6 Gb  
 II 2G Ex ia IIC T6 Gb  
 II 2G Ex e ia IIC T6 Gb  
 II 2D Ex tb IIIC T85°C/T100°C/T135°C Db

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-11, EN 60079-18, EN 60079-31

**Ambient temperature:** -60°C / +85°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** GRP Black Ral 9005

**Protection degree:** IP66/67

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT (Kg)
JBPN080806	75 x 80 x 55	0,24
JBPN080808	75 x 80 x 75	0,33
JBPN081106	75 x 110 x 75	0,33
JBPN081606	75 x 160 x 55	0,4
JBPN081906	75 x 190 x 55	0,45
JBPN121209	120 x 122 x 90	0,8
JBPN122210	120 x 220 x 90	1
JBPN161609	160 x 160 x 90	1,24
JBPN162609	160 x 260 x 90	1,7
JBPN163609	160 x 360 x 90	2,2
JBPN202512	200 x 250 x 120	2,3
JBPN252512	250 x 255 x 120	2,7
JBPN252516	250 x 255 x 160	3,2
JBPN254012	250 x 400 x 120	3,7
JBPN254016	250 x 400 x 160	4,6
JBPN256012	250 x 600 x 120	5,7
JBPN256016	250 x 600 x 160	6,5
JBPN404012	405 x 400 x 120	5,2

CODE	GUIDE FOR ENTRIES DEFINING								
	SIDE	M12	M16	M20	M25	M32	M40	M50	M63
JBPN080806	L	4	2	-	-	-	-	-	-
	S	1	1	-	-	-	-	-	-
JBPN080808	L	4	2	-	-	-	-	-	-
	S	1	1	-	-	-	-	-	-
JBPN081106	L	6	4	2	1	-	-	-	-
	S	1	1	-	-	-	-	-	-
JBPN081606	L	12	6	3	1	-	-	-	-
	S	1	1	-	-	-	-	-	-
JBPN081906	L	15	8	3	3	-	-	-	-
	S	1	1	-	-	-	-	-	-
JBPN121209	L	13	9	2	1	1	-	-	-
	S	4	4	1	1	1	-	-	-
JBPN122209	L	28	18	4	3	1	1	-	-
	S	4	4	2	1	1	1	-	-
JBPN161609	L	18	14	3	2	1	1	-	-
	S	8	8	2	1	1	1	-	-
JBPN162609	L	33	26	5	4	3	2	-	-
	S	8	8	2	2	1	1	-	-
JBPN163609	L	40	36	14	6	5	4	3	-
	S	8	8	2	1	1	1	-	-
JBPN202512	L	53	34	7	5	1	2	2	2
	S	11	11	4	3	2	1	1	1
JBPN252512	L	53	34	7	5	1	2	2	2
	S	50	30	5	4	2	2	1	1
JBPN252516	L	53	34	7	5	1	2	2	2
	S	50	30	5	4	2	2	1	1
JBPN254012	L	70	45	11	10	6	4	4	3
	S	50	30	5	4	2	2	1	1
JBPN254016	L	70	45	11	10	6	4	4	3
	S	50	30	5	4	2	2	1	1
JBPN404012	L	70	45	11	10	6	4	4	3
	S	68	43	10	8	5	3	3	2
JBPN256012	L	130	84	22	20	8	6	4	4
	S	50	30	5	4	2	2	1	1
JBPN256016	L	130	84	22	20	8	6	4	4
	S	50	30	5	4	2	2	1	1

**Note:**

Available threads: · NTP ANSI B1.20.1 · ISO Metric..x1,5 ISO 956

Side legend: · L= Long side · S= Short side

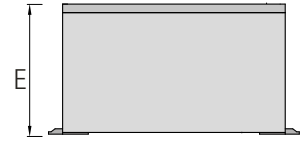
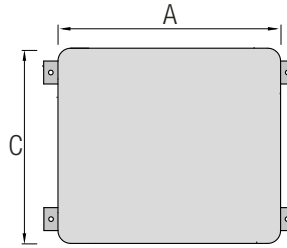
This table is indicative only. The quantity of the entrances / cable glands are valid only after Technical Office approval. Other entrance possibilities are available on request.

CODE	TERMINAL MOUNTING					
	MINI TERMINAL	WDU 2.5	WDU 2.5 BL	WDU 4	WDU 6	WDU 16
JBPN080806	6	-	-	-	-	-
JBPN080808	6	-	-	-	-	-
JBPN081108	8	-	-	-	-	-
JBPN081606	12	-	-	-	-	-
JBPN081906	16	-	-	-	-	-
JBPN121209	8	16	16	14	-	-
JBPN122209	17	35	35	30	-	-
JBPN161609	-	24	23	20	-	-
JBPN162609	-	43	42	34	-	-
JBPN163609	-	60	62	50	-	-
JBPN202512	-	43	42	35	-	-
JBPN252512	-	43	42	35	-	-
JBPN252516	-	43	43	35	-	-
JBPN254012	-	67	70	56	-	-
JBPN254016	-	67	70	56	-	-
JBPN404012	-	67	70	56	-	-
JBPN256012	-	108	110	91	-	-
JBPN256016	-	108	110	91	-	-

EXTERNAL MOUNTING BRACKETS		
CODE	15.04.01.02.02.00013	SET 4 PCS

EXTERNAL HINGES		
CODE	12.30.01.05.01.000000	SET 2 PCS





**Execution:**

- II 2G Ex eb IIC T6/T5/T4 Gb
- II 2G Ex de IIC T6 Gb
- II 2G Ex d e mb IIC T6 Gb
- II 2D Ex tb IIIC T80/95/130 °C Db
- II 2G Ex db eb IIC T6/T5/T4 Gb
- II 2G Ex eb mb IIC T6/T5/T4 Gb

**Applicable standards:**

- EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31
- UL 1203

**Installation area:** zone 1 – 2

- (Gas) zone 21 – 22 (Dust), Hazardous Locations, Class I, Div. 2
- Groups A, B, C and D

**Protection degree:** IP66,

NEMA 1,3,3X,4,4X

**Ambient temperature:** -60°C / +85°C

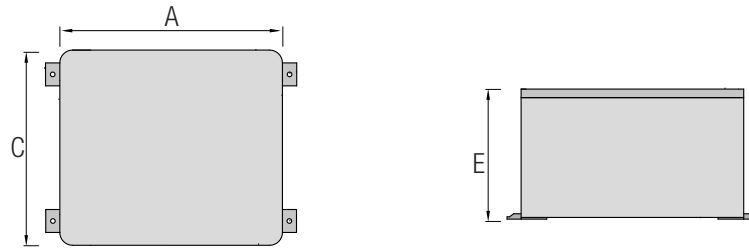
**UL Ambient Temperature:** -40°C/+60°C

**Material:** AISI 316L

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT(Kg)
JBXN 22 16 15	220 x 160 x 150	4
JBXN 22 22 15	220 x 220 x 150	4.5
JBXN 33 22 15	330 x 220 x 150	5.5
JBXN 33 33 15	330 x 330 x 150	7.5
JBXN 40 40 15	400 x 400 x 150	8.5
JBXN 44 22 15	440 x 220 x 150	7
JBXN 44 33 15	440 x 330 x 150	9
JBXN 49 36 15	490 x 360 x 150	9.6
JBXN 50 40 15	500 x 400 x 150	12
JBXN 52 42 15	520 x 420 x 150	12.5
JBXN 60 20 15	600 x 200 x 150	7.5
JBXN 63 48 15	630 x 480 x 150	16.5
JBXN 74 40 15	740 x 400 x 150	17
JBXN 22 16 20	220 x 160 x 200	4.1
JBXN 22 22 20	220 x 220 x 200	4.6
JBXN 33 22 20	330 x 220 x 200	5.6
JBXN 33 33 20	330 x 330 x 200	7.6
JBXN 40 40 20	400 x 400 x 200	8.6
JBXN 44 22 20	440 x 220 x 200	7.2
JBXN 44 33 20	440 x 330 x 200	9.2
JBXN 49 36 20	490 x 360 x 200	9.8
JBXN 50 40 20	500 x 400 x 200	12.5
JBXN 52 42 20	520 x 420 x 200	12.8
JBXN 60 20 20	600 x 200 x 200	8
JBXN 63 48 20	630 x 480 x 200	17
JBXN 74 40 20	740 x 400 x 200	17.5

**Note:** Type with flanged walls available





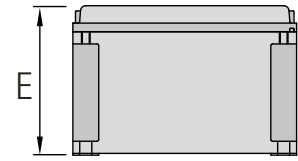
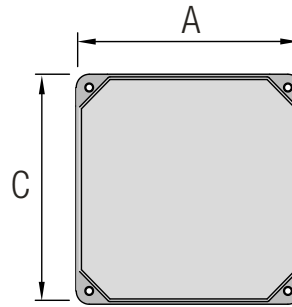
CODE	GUIDE FOR ENTRIES DEFINING					
	SIDE	M20	M25	M32	M40	M50
JBXN221615	L	8	8	3	2	2
JBXN221615	S	6	4	2	2	1
JBXN222215	L	8	8	3	2	2
JBXN222215	S	8	8	3	2	2
JBXN332215	L	14	12	5	4	3
JBXN332215	S	8	8	3	2	2
JBXN333315	L	14	12	5	4	3
JBXN333315	S	14	12	5	4	3
JBXN404015	L	16	14	6	5	4
JBXN404015	S	16	14	6	5	4
JBXN442215	L	18	16	7	5	5
JBXN442215	S	8	8	3	2	2
JBXN443315	L	18	16	7	5	5
JBXN443315	S	14	12	5	4	3
JBXN493615	L	20	18	7	6	5
JBXN493615	S	14	12	5	4	4
JBXN504015	L	22	18	8	6	6
JBXN504015	S	16	14	6	5	4
JBXN524215	L	22	20	8	6	6
JBXN524215	S	18	16	6	5	5
JBXN602015	L	26	22	9	7	7
JBXN602015	S	14	12	5	4	4
JBXN634815	L	26	24	10	8	7
JBXN634815	S	20	18	7	6	5
JBXN744015	L	32	28	12	9	8
JBXN744015	S	16	14	6	5	4
JBXN221620	L	12	12	6	4	2
JBXN221620	S	9	6	4	4	1
JBXN222220	L	12	12	6	4	2
JBXN222220	S	12	12	6	4	3
JBXN332220	L	21	18	10	8	3
JBXN332220	S	12	12	6	4	3
JBXN333320	L	21	18	10	8	3
JBXN333320	S	21	18	10	8	5
JBXN404020	L	24	21	12	10	4
JBXN404020	S	24	21	12	10	7
JBXN442220	L	27	24	14	10	5
JBXN442220	S	12	12	6	4	3
JBXN443320	L	27	24	14	10	5
JBXN443320	S	21	18	10	8	5
JBXN493620	L	30	27	14	12	5
JBXN493620	S	21	18	10	8	7
JBXN504020	L	33	27	16	12	6
JBXN504020	S	24	21	12	10	7
JBXN524220	L	33	30	16	12	6
JBXN524220	S	27	24	12	10	9
JBXN602020	L	39	33	18	14	7
JBXN602020	S	12	9	6	4	3
JBXN634820	L	39	36	20	16	7
JBXN634820	S	30	27	14	12	9
JBXN744020	L	48	42	24	18	8
JBXN744020	S	24	21	12	10	7

**Note:**

Side legend: · L= Long side · S= Short side

This table is indicative only. The quantity of the entrances / cable glands are valid only after Technical Office approval. Other entrance possibilities are available on request.

CODE	TERMINAL MOUNTING													
	WDU 1,5	WDU 2,5	WDU 4	WDU 6	WDU 10	WDU 16	WDU 25	WDU 35	WDU 70	WDU 95	WDU 120	WDU 150	WDU 180	WDU 240
JBXN221615	20	20	20	16	9	8	6	5	-	-	-	-	-	-
JBXN222215	30	28	28	20	9	8	6	5	-	-	-	-	-	-
JBXN332215	50	40	40	35	20	17	12	11	8	-	-	-	-	-
JBXN333315	100	80	70	54	40	32	24	17	8	-	-	-	-	-
JBXN404015	140	102	78	61	48	37	27	21	13	5	5	4	4	4
JBXN442215	70	60	60	45	30	26	19	16	10	-	-	-	-	-
JBXN443315	130	94	72	56	44	35	25	19	12	7	7	5	-	4
JBXN493615	150	108	83	65	51	40	29	22	14	7	7	6	-	4
JBXN504015	163	117	90	70	55	43	31	24	15	11	9	7	-	4
JBXN524215	188	136	105	82	65	52	38	29	19	12	12	7	7	7
JBXN602015	100	80	69	53	42	33	-	-	-	-	-	-	-	-
JBXN634815	165	120	93	72	59	47	38	27	19	13	10	9	-	6
JBXN744015	204	148	115	90	70	58	44	34	23	16	14	10	-	7
JBXN221620	20	20	20	16	9	8	6	5	-	-	-	-	-	-
JBXN222220	30	28	28	20	9	8	6	5	-	-	-	-	-	-
JBXN332220	50	40	40	35	20	17	12	11	8	-	-	-	-	-
JBXN333320	100	80	70	54	40	32	24	17	8	-	-	-	-	-
JBXN404020	140	102	78	61	48	37	27	21	13	5	5	4	4	4
JBXN442220	70	60	60	45	30	26	19	16	10	-	-	-	-	-
JBXN443320	130	94	72	56	44	35	25	19	12	7	7	5	-	4
JBXN493620	150	108	83	65	51	40	29	22	14	7	7	6	-	4
JBXN504020	163	117	90	70	55	43	31	24	15	11	9	7	-	4
JBXN524220	188	136	105	82	65	52	38	29	19	12	12	7	7	7
JBXN602020	100	80	69	53	42	33	-	-	-	-	-	-	-	-
JBXN634820	165	120	93	72	59	47	38	27	19	13	10	9	-	6
JBXN744015	204	148	115	90	70	58	44	34	23	16	14	10	-	7



**Execution:**

II 2G Ex e IIC T6/T5/T4 Gb  
 II 2G Ex ia IIC T6/T5/T4 Gb  
 II 2G Ex e ia IIC T6/T5/T4 Gb  
 II 2G Ex de IIC T6/T5/T4 Gb  
 II 2G Ex d e m IIC T6/T5/T4 Gb  
 II 2D Ex tb IIIC T85°C/T100°C/T135°C

**Applicable standards:**

EN 60079-0, EN 60079-7, EN 60079-11,  
 EN 60079-31

**Ambient temperature:** -55°C / +60°C

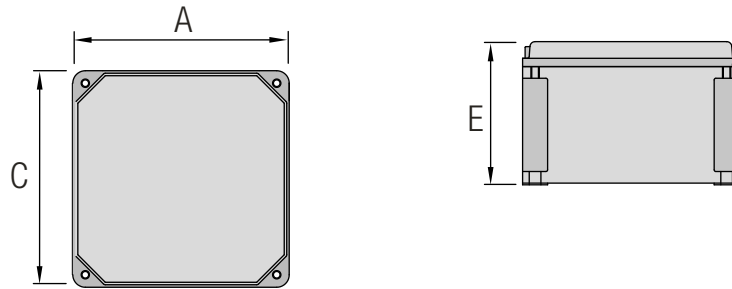
**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Material:** Copper free aluminium  
 die cast

**External coating:** RAL 7001

**Protection degree:** IP66

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT (Kg)
JBAL060603	64 x 58 x 34	0.16
JBAL061003	64 x 98 x 34	0.22
JBAL061503	64 x 150 x 34	0.36
JBAL080806	80 x 75 x 57	0.3
JBAL081306	80 x 125 x 57	0.38
JBAL081806	80 x 175 x 57	0.55
JBAL082505	80 x 250 x 52	0.74
JBAL101008	100 x 100 x 81	0.64
JBAL101608	100 x 160 x 81	0.84
JBAL102008	100 x 200 x 81	0.98
JBAL121208	120 x 122 x 81	0.96
JBAL121209	120 x 122 x 91	0.98
JBAL122208	120 x 220 x 81	1.4
JBAL122209	120 x 220 x 91	1.5
JBAL123608	120 x 360 x 81	1.98
JBAL141409	140 x 140 x 91	1.52
JBAL142009	140 x 200 x 91	2.27
JBAL161609	160 x 160 x 91	1.5
JBAL162609	160 x 260 x 91	2
JBAL163609	160 x 360 x 91	2.54
JBAL165609	160 x 560 x 91	3.76
JBAL181810	180 x 180 x 101	2.27
JBAL182810	180 x 280 x 101	2.92
JBAL231011	230 x 100 x 111	1.8
JBAL232811	230 x 280 x 111	3
JBAL233311	230 x 330 x 111	3.4
JBAL233318	230 x 330 x 181	5.26
JBAL234011	230 x 400 x 111	3.84
JBAL234023	230 x 400 x 225	6.48
JBAL236011	230 x 600 x 111	6.95
JBAL232011	232 x 202 x 111	2.44
JBAL232018	232 x 202 x 181	3.98
JBAL316011	310 x 600 x 111	8.66
JBAL316018	310 x 600 x 181	11.1
JBAL314014	312 x 403 x 141	6.72
JBAL314011	313 x 404 x 111	5.3
JBAL314018	313 x 404 x 181	8.5
JBAL314023	313 x 404 x 227	8.68
JBAL606020	600 x 600 x 202	25.96



CODE	GUIDE FOR ENTRIES DEFINING							
	SIDE	M16	M20	M25	M32	M40	M50	M63
JBAL060603	L	-	-	-	-	-	-	-
	S	-	-	-	-	-	-	-
JBAL061003	L	-	-	-	-	-	-	-
	S	-	-	-	-	-	-	-
JBAL061503	L	-	-	-	-	-	-	-
	S	-	-	-	-	-	-	-
JBAL080806	L	1	1	1	-	-	-	-
	S	2	2	1	-	-	-	-
JBAL081306	L	4	3	2	-	-	-	-
	S	2	2	1	-	-	-	-
JBAL081806	L	6	5	3	-	-	-	-
	S	2	2	1	-	-	-	-
JBAL082505	L	9	8	5	-	-	-	-
	S	2	2	1	-	-	-	-
JBAL101008	L	6	5	2	1	-	-	-
	S	4	3	1	1	-	-	-
JBAL101608	L	11	10	4	3	-	-	-
	S	4	3	1	1	-	-	-
JBAL102008	L	14	12	5	3	-	-	-
	S	4	3	1	1	-	-	-
JBAL121208	L	5	4	2	1	-	-	-
	S	5	4	2	1	-	-	-
JBAL121209	L	5	4	2	1	-	-	-
	S	5	4	2	1	-	-	-
JBAL122208	L	12	12	5	3	-	-	-
	S	6	4	2	1	-	-	-
JBAL122209	L	15	14	6	4	-	-	-
	S	6	4	2	1	-	-	-
JBAL123608	L	26	24	10	7	-	-	-
	S	5	4	2	1	-	-	-
JBAL141409	L	8	8	3	2	-	-	-
	S	6	4	2	1	-	-	-
JBAL142009	L	12	12	5	3	-	-	-
	S	6	4	2	1	-	-	-
JBAL161609	L	12	9	5	3	2	-	-
	S	8	6	3	2	1	-	-
JBAL162609	L	24	17	10	5	3	3	-
	S	8	6	3	2	1	-	-
JBAL163609	L	36	24	15	7	5	4	-
	S	8	6	3	2	1	-	-
JBAL165609	L	58	40	24	12	8	6	-
	S	8	6	3	2	1	-	-
JBAL181810	L	15	11	6	3	2	2	-
	S	9	8	3	2	2	-	-
JBAL182810	L	26	18	11	5	4	3	-
	S	10	8	4	2	2	-	-
JBAL231011	L	8	17	8	5	3	2	2
	S	18	24	12	9	4	3	3
JBAL232811	L	18	17	8	5	3	2	2
	S	18	17	8	5	3	2	2
JBAL233311	L	42	30	15	11	5	4	4
	S	18	17	8	5	3	2	2
JBAL233318	L	77	60	30	18	11	8	8
	S	36	33	16	9	6	5	4
JBAL234011	L	50	39	20	14	6	5	5
	S	18	17	8	5	3	2	2
JBAL234023	L	122	100	54	30	18	15	12
	S	48	44	21	13	9	6	5
JBAL236011	L	72	54	28	20	10	8	6
	S	18	17	8	4	3	2	2
JBAL232011	L	22	18	8	6	3	2	2
	S	18	17	8	5	3	2	2
JBAL232018	L	42	33	18	10	6	5	4
	S	36	33	16	9	6	5	4
JBAL316011	L	76	60	30	20	10	8	6
	S	28	24	12	7	4	3	3
JBAL316018	L	140	108	56	32	22	16	12
	S	54	48	24	15	9	6	6
JBAL314014	L	70	55	28	17	12	7	6
	S	43	32	18	10	7	4	3
JBAL314011	L	50	39	20	14	6	5	5
	S	28	26	12	7	4	3	3
JBAL314018	L	98	78	40	22	15	11	8
	S	54	51	24	15	9	6	6
JBAL314023	L	126	100	54	30	18	15	12
	S	72	68	33	20	12	9	8
JBAL606020	L	140	108	56	32	22	16	12
	S	140	108	56	32	22	16	12

**Note:**

Available threads: · NTP ANSI B1.20.1 · ISO Metric..x1,5 ISO 956

Side legend: · L= Long side · C= Short side

This table is indicative only. The quantity of the entrances / cable glands are valid only after Technical Office approval. Other entrance possibilities are available on request.

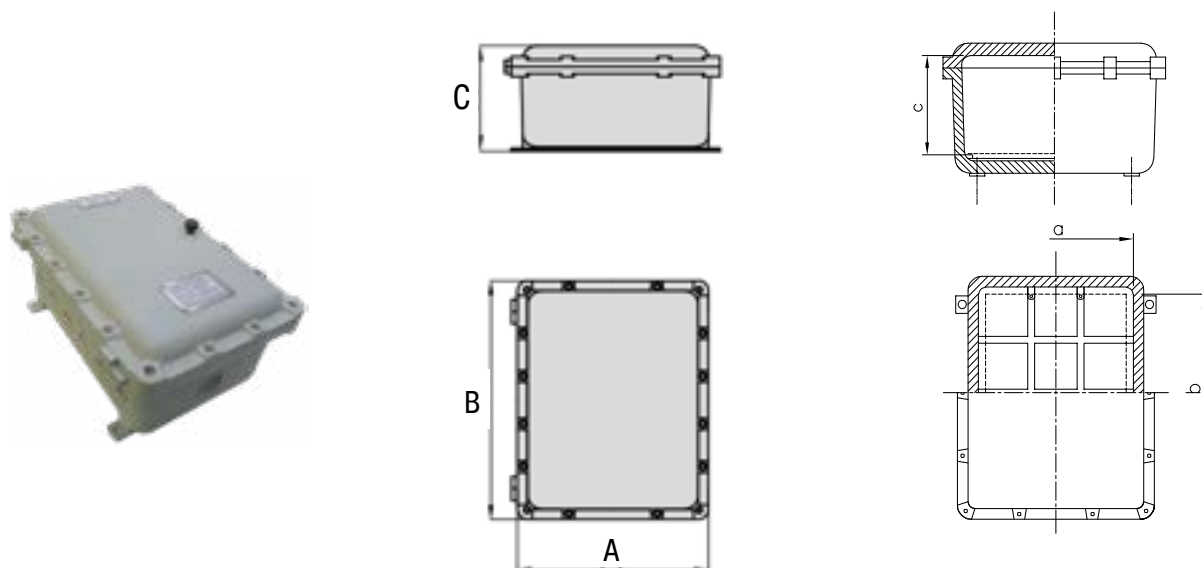
CODE	TERMINAL MOUNTING												EX MINI TERMINALS	EX MINI TERMINALS BLUE	
	MUT 2.5	MUT 4	WDU 2.5	WDU 4	WDU 6	WDU 10	WDU 16	WDU 35	WDU 50	WDU 95	WDU 120	WDU 240			
JBAL060603	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
JBAL061003	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6
JBAL061503	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10
JBAL080806	8	7	-	-	-	-	-	-	-	-	-	-	-	-	-
JBAL081306	16	13	-	-	-	-	-	-	-	-	-	-	-	-	-
JBAL081806	26	21	-	-	-	-	-	-	-	-	-	-	-	-	-
JBAL082505	40	33	-	-	-	-	-	-	-	-	-	-	-	-	-
JBAL101008	11	9	11	9	7	-	-	-	-	-	-	-	-	-	-
JBAL101608	23	19	23	19	14	-	-	-	-	-	-	-	-	-	-
JBAL102008	30	25	30	25	19	-	-	-	-	-	-	-	-	-	-
JBAL121208	12	10	12	10	7	6	5	-	-	-	-	-	-	-	-
JBAL121209	12	10	12	10	7	6	5	-	-	-	-	-	-	-	-
JBAL122208	31	26	31	26	20	16	13	-	-	-	-	-	-	-	-
JBAL122209	31	26	31	26	20	16	13	-	-	-	-	-	-	-	-
JBAL123608	58	49	58	49	37	29	25	-	-	-	-	-	-	-	-
JBAL141409	16	13	16	13	10	8	7	-	-	-	-	-	-	-	-
JBAL142009	26	22	26	22	17	13	11	-	-	-	-	-	-	-	-
JBAL161609	20	16	20	16	12	10	8	6	-	-	-	-	-	-	-
JBAL162609	39	33	39	33	25	20	16	12	-	-	-	-	-	-	-
JBAL163609	58	49	58	49	37	29	25	18	-	-	-	-	-	-	-
JBAL165609	97	81	97	81	61	49	41	31	-	-	-	-	-	-	-
JBAL181810	24	20	24	20	15	12	10	8	-	-	-	-	-	-	-
JBAL182810	42	35	42	35	27	21	18	13	-	-	-	-	-	-	-
JBAL231011	33	28	33	28	17	21	18	13	-	-	-	-	-	-	-
JBAL232811	86	72	86	72	54	44	18	13	-	-	-	-	-	-	-
JBAL233311	104	88	104	88	66	52	22	16	-	-	-	-	-	-	-
JBAL233318	104	88	104	88	66	52	22	16	14	-	-	-	-	-	-
JBAL234011	130	110	130	110	82	66	28	21	-	-	-	-	-	-	-
JBAL234023	130	110	130	110	82	66	28	21	18	-	-	-	-	-	-
JBAL236011	206	174	206	174	132	53	44	33	-	-	-	-	-	-	-
JBAL232011	54	46	54	46	34	14	10	9	-	-	-	-	-	-	-
JBAL232018	54	46	54	46	34	14	11	9	8	-	-	-	-	-	-
JBAL316011	309	261	309	261	132	106	88	33	-	-	-	-	-	-	-
JBAL316018	309	261	309	261	132	106	88	33	28	22	-	-	-	-	-
JBAL314014	195	165	195	165	123	66	28	21	18	14	-	-	-	-	-
JBAL314011	195	165	195	165	123	66	28	21	-	-	-	-	-	-	-
JBAL314018	195	165	195	165	123	66	28	21	18	14	-	-	-	-	-
JBAL314023	195	165	195	165	123	66	28	21	18	14	-	-	-	-	-
JBAL606020	412	348	412	348	198	159	132	66	56	22	18	15	-	-	-

CODE	EXTERNAL MOUNTING BRACKETS	
	VERSIONS	
10.03 11 01	JBAL080806/JBAL102008	
10.03 11 02	JBAL121208/JBAL316018/JBAL140300	

CODE	EXTERNAL HINGES	
	VERSIONS	
10.02 70 01	ALL	







**Execution:**

II 2 G Ex db IIB o IIB+H2 T6/T5/T4/T3 Gb  
 II 2 G Ex tb IIIC T85°C/T100°C/T135°C/  
 T200°C Db  
 II 2 G Ex db [Ia IIA o IIB o IIC Ga] IIB o  
 IIB+H2 T6/T5/T4/T3 Gb  
 II 2 D Ex tb [Ia Da] IIIC T85°C/T100°C/  
 T135°C/T200°C Db

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-11,  
 EN 60079-31

**Ambient temperature:**

-20°C / +60°C  
 -50°C / +60°C

**Installation area:** 1 – 2 / 21 – 22

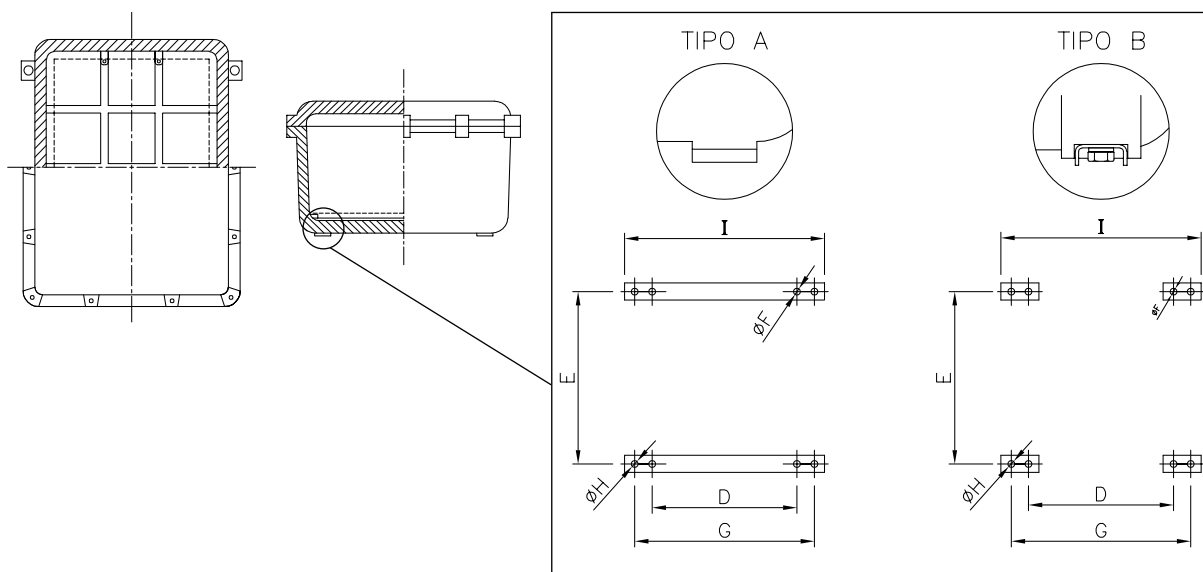
**Material:** Copper free aluminium die cast  
 Also available in AISI 316L

**External coating:** RAL 7000  
 Internal anticorrosion painting on  
 request RAL 2004

**Protection Rating:** IP66

CODE	EXTERNAL DIMENSIONS			INTERNAL DIMENSIONS			EXECUTION	ALUMINIUM	AISI316L
	A	B	C	a	b	c		WEIGHT (Kg)	WEIGHT (Kg)
CCF10	150	150	127	93	93	94	Ex d IIB+H2	3.2	-
CCF11*	150	200	127	93	143	95	Ex d IIB+H2	4.1	13
CCF12*	200	250	150	140	190	116	Ex d IIB+H2	6.8	34
CCF13G	250	300	150	175	225	108	Ex d IIB+H2	10.6	-
CCF13A*	250	300	200	175	225	158	Ex d IIB+H2	11.9	42
CCF14	250	350	150	175	275	108	Ex d IIB+H2	12.0	-
CCF14A	250	350	200	175	275	160	Ex d IIB+H2	13.3	-
CCF15*	300	400	200	218	318	160	Ex d IIB+H2	18.0	55
CCF15A*	300	400	250	218	318	211	Ex d IIB+H2	20.0	63
CCF16	300	450	200	218	368	162	Ex d IIB+H2	20.0	-
CCF16A	300	450	250	218	368	212	Ex d IIB+H2	22.5	-
CCF17	400	500	200	305	405	146	Ex d IIB+H2	31.0	-
CCF17A	400	500	250	305	405	197	Ex d IIB+H2	34.0	-
CCF18	350	550	200	255	455	148	Ex d IIB+H2	31.0	-
CCF18A*	350	550	250	255	455	200	Ex d IIB+H2	34.0	110
CCF19	400	600	200	300	500	143	Ex d IIB+H2	38.0	-
CCF19A	400	600	250	300	500	193	Ex d IIB+H2	43.0	-
CCF110	450	650	200	356	548	143	Ex d IIB+H2	49.0	-
CCF110A*	450	650	250	356	548	190	Ex d IIB+H2	55.0	140
CCF10B*	450	650	300	356	548	243	Ex d IIB+H2	61.5	150
CCF111	500	700	250	386	586	181	Ex d IIB+H2	68.0	-
CCF11A	500	700	300	386	586	229	Ex d IIB+H2	76.0	-
CCF111B	500	700	350	386	586	277	Ex d IIB+H2	84.0	-
CCF112	550	750	250	436	636	176	Ex d IIB+H2	82.0	-
CCF112A*	550	750	300	436	636	224	Ex d IIB+H2	90.0	200
CCF112B*	550	750	350	436	636	276	Ex d IIB+H2	98.0	270
CCF113	200	600	140	120	520	104	Ex d IIB+H2	15.5	-
CCF114	220	750	175	140	670	125	Ex d IIB+H2	24.0	-
CCF116*	670	920	330	550	800	245	Ex d IIB	134.0	570
CCF116A	670	920	390	550	800	303	Ex d IIB	145.0	-
CCF116B*	670	920	450	550	800	362	Ex d IIB	162.0	620
CCF120B	450	450	470	356	356	398	Ex d IIB	51.0	-

CODE		GUIDE FOR ENTRIES DEFINING																																
		SIDE	M20-1/2"					M25-3/4"					M32-1"				M40-1"1/4				M50-1"1/2				M63-2"			M75-2"1/2		M80-3"		M90-4"		
			R	SCH.					R	SCH.					R	SCH.				R	SCH.				R	SCH.			R	SCH.		R	SCH.	
T1	T2	T3	T4	T5	T1	T2	T3	T4	T5	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	T3	T1	T2	T1	T2	T1	T2				
CCF10	L	45	2	3	-	-	-	50	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	S	45	2	3	-	-	-	50	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCF11	L	45	3	5	-	-	-	50	3	-	-	-	60	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	S	45	3	5	-	-	-	50	3	-	-	-	60	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
CCF12	L	50	4	7	-	-	-	55	4	6	-	-	60	3	4	-	-	90	2	-	-	90	2	-	-	-	-	-	-	-	-			
	S	45	3	5	-	-	-	50	3	5	-	-	60	2	3	-	-	90	1	-	-	90	1	-	-	-	-	-	-	-	-			
CCF13G	L	45	5	7	-	-	-	55	4	5	-	-	55	4	-	-	90	2	-	-	90	2	-	-	-	-	-	-	-	-	-			
	S	45	4	5	-	-	-	55	3	4	-	-	60	3	-	-	100	2	-	-	100	2	-	-	-	-	-	-	-	-	-			
CCF13A	L	45	5	9	10	-	-	55	4	7	8	-	-	60	4	7	8	-	70	3	5	-	70	3	5	-	100	2	-	-	-			
	S	45	4	7	8	-	-	55	3	5	6	-	-	60	3	5	6	-	70	2	3	-	70	2	3	-	85	2	-	-	-			
CCF14	L	50	5	7	-	-	-	50	5	6	-	-	60	4	5	-	-	95	3	-	-	95	3	-	-	-	-	-	-	-	-			
	S	50	4	5	-	-	-	50	3	4	-	-	60	3	5	-	-	95	2	-	-	95	2	-	-	-	-	-	-	-	-			
CCF14A	L	50	5	9	10	-	-	55	5	9	10	-	-	60	4	7	8	-	70	3	5	-	70	3	5	-	130	2	-	-	-			
	S	50	4	7	8	-	-	55	3	5	6	-	-	55	3	5	6	-	70	2	3	-	70	2	3	-	85	2	-	-	-			
CCF15	L	55	6	11	12	-	-	60	5	9	10	-	-	65	5	9	-	-	100	3	-	-	100	3	-	-	140	2	-	-	-			
	S	55	4	7	8	-	-	60	4	7	8	-	-	65	3	5	6	-	100	2	-	-	100	2	-	-	140	1	-	-	-			
CCF15A	L	50	6	11	12	17	-	-	50	6	11	12	17	-	-	60	4	7	8	11	80	3	5	6	-	80	3	5	6	-	90	3	5	
	S	50	4	7	8	11	-	-	50	4	7	8	11	-	-	60	3	5	6	8	70	3	5	6	-	70	3	5	6	-	100	2	3	
CCF16	L	50	7	13	14	-	-	60	6	11	12	-	-	65	6	11	12	-	100	4	-	-	100	3	-	-	140	2	-	-	-			
	S	55	4	7	8	-	-	55	4	7	8	-	-	65	3	5	6	-	100	2	-	-	100	2	-	-	140	1	-	-	-			
CCF16A	L	50	7	13	14	20	-	-	50	7	13	14	20	-	-	60	6	11	12	17	80	3	5	6	-	80	3	5	6	-	90	3	5	
	S	50	4	7	8	11	-	-	50	4	7	8	11	-	-	60	3	5	6	8	70	3	5	6	-	70	3	5	6	-	100	2	3	
CCF17	L	55	7	13	14	-	-	55	7	13	14	-	-	70	5	9	-	-	100	4	-	-	100	4	-	-	120	3	-	-	-			
	S	55	5	9	10	-	-	55	5	9	10	-	-	70	4	7	-	-	100	3	-	-	100	3	-	-	95	3	-	-	-			
CCF17A	L	55	7	13	14	20	-	-	55	7	13	14	20	-	-	70	5	9	10	-	80	5	9	-	80	5	9	-	120	3	-	-	-	
	S	55	5	9	10	14	-	-	55	5	9	10	14	-	-	70	4	7	8	-	80	3	5	-	80	3	5	-	95	3	-	-	-	
CCF18	L	60	7	13	14	-	-	60	7	13	14	-	-	70	5	9	-	-	90	5	-	-	90	5	-	-	110	4	-	-	-			
	S	60	4	7	8	-	-	60	4	7	8	-	-	70	3	5	-	-	100	2	-	-	100	2	-	-	120	2	-	-	-			
CCF18A	L	60	7	13	14	20	-	-	60	7	13	14	20	-	-	70	5	9	10	-	80	5	9	-	80	5	9	-	110	4	-	-	-	
	S	60	4	7	8	11	-	-	60	4	7	8	11	-	-	70	3	5	6	-	80	3	5	-	80	3	5	-	120	2	-	-	-	
CCF19	L	60	8	15	16	-	-	60	8	15	16	-	-	70	6	-	-	-	80	6	-	-	80	6	-	-	120	4	-	-	-			
	S	60	4	7	8	-	-	60	4	7	8	-	-	70	4	-	-	-	90	3	-	-	90	3	-	-	90	3	-	-	-			
CCF19A	L	60	8	15	16	23	-	-	60	8	15	16	23	-	-	70	6	11	12	-	80	6	11	-	80	6	11	-	160	3	-	-	-	
	S	60	4	7	8	11	-	-	60	4	7	8	11	-	-	70	4	7	8	-	80	3	5	-	80	3	5	-	90	3	-	-	-	
CCF110	L	60	9	17	-	-	-	60	9	17	-	-	-	65	8	-	-	-	85	5	-	-	85	5	-	-	110	5	-	-	-			
	S	55	6	11	-	-	-	55	6	11	-	-	-	65	5	-	-	-	85	4	-	-	85	4	-	-	110	3	-	-	-			
CCF110A	L	60	9	17	18	26	-	-	60	9	17	18	26	-	-	65	8	15	16	-	85	5	9	-	85	5	9	-	110	5	-	-	-	
	S	55	6	11	12	17	-	-	55	6	11	12	17	-	-	65	5	9	10	-	85	4	7	-	85	4	7	-	110	3	-	-	-	
CCF110B	L	60	9	17	18	26	-	-	60	9	17	18	26	-	-	65	8	15	16	23	85	5	9	10	-	85	5	9	10	-	110	5	9	
	S	55	6	11	12	17	-	-	55	6	11	12	17	-	-	65	5	9	10	14	85	4	7	8	-	85	4	7	8	-	110	3	5	
CCF111	L	60	9	17	18	-	-	60	9	17	18	-	-	65	8	15	-	-	90	6	-	-	90	6	-	-	110	5	-	-	-			
	S	60	6	11	12	-	-	60	6	11	12	-	-	65	5	9	-	-	90	4	-	-	90	4	-	-	110	3	-	-	-			
CCF111A	L	60	9	17	18	26	-	-	60	9	17	18	26	-	-	65	8	15	16	90	6	11	-	90	6	11	-	110	5	-	-	180	3	-
	S	60	6	11	12	17	-	-	60	6	11	12	17	-	-	65	5	9	10	90	4	7	-	90	4	7	-	110	3	-	-	180	2	-
CCF111B	L	60	9	17	18	26	34	-	-	60	9	17	18	26	34	-	-	65	8	15	16	23	90	6	11	12	-	110	5	9	-	180	3	-
	S	60	6	11	12	17	22	60	-	-	60	6	11	12	17	22	65	-	-	90	5	9	10	14	90	4	7	8	-	110	3	5		
CCF112	L	65	9	17	18	-	-	65	9	17	18	-	-	70	8	15	-	-	80	6	-	-	80	6	-	-	110	5	-	-	200	3	-	
	S	55	7	13	14	-	-	55	7	13	14	-	-	65	6	11	-	-	90	4	-	-	90	4	-	-	110	3	-	-	240	2	-	
CCF112A	L	65	9	17	18	26	-	-	65	9	17	18	26	-	-	70	8	15	16	-	80	6	11	12	-	80	6	11	12	-	90	5	9	
	S	55	7	13	14	20	-	-	55	7	13	14	20	-	-	65	6	11	12	-	90	4	7	8	-	90	4	7	8	-	110	3	5	
CCF112B	L	65	9	17	18	26	34	65	-	-	65	9	17	18	26	34	70	-	-	80	6	11	12	-	80	6	11	12	-	90	5	9		
	S	55	7	13	14	20	26	55	-	-	55	7	13	14	20	26	65	-	-	80	6	11	12	17	90	4	7	8	-	90	4	7		
CCF113	L	65	7	7	-	-	-	65	7	-	-	-	-	85	6	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-		
	S	50	2	2	-	-	-	55	2	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-			
CCF114	L	60	10	10	-	-	-	70	9	-	-	-	-	90	7	-	-	-	90	4	-	-	90	4	-	-	100	7	-	-	-			
	S	60	2	2	-	-	-	60	2	-	-	-	-	65	2	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-			
CCF116	L	60	11	21	-	-	-	60	11	21	-	-	-	70	10	-	-	-	90	8	-	-	90	8	-	-	100	7	-	-	-			
	S	60	8	15	-	-	-	60	8	15	-	-	-	70	7	-	-	-	90	5	-	-	90	5	-	-	95	5	-	-	-			
CCF116A	L	60	11	21	22	32	-	-	60	11	21	22	32	-	-</																			



TYPE(*)	INSTALLATION TEMPLATES (mm)					
	D	E	F	G	H	I
A	104	60	M6	140	7	160
A	104	110	M6	140	7	160
A	154	160	M6	190	7	210
A	185	180	M6	230	9	255
A	185	180	M6	230	9	255
A	185	230	M6	230	9	255
A	185	230	M6	230	9	255
A	225	275	M8	275	9	300
A	225	275	M8	275	9	300
A	225	325	M8	275	9	300
A	225	325	M8	275	9	300
B	315	350	M8	370	9	400
B	315	350	M8	370	9	400
A	265	400	M10	320	11	350
A	265	400	M10	320	11	350
A	315	450	M10	370	11	400
A	315	450	M10	370	11	400
B	360	500	M10	420	11	450
B	360	500	M10	420	11	450
B	360	500	M10	420	11	450
B	395	520	M12	465	13	500
B	395	520	M12	465	13	500
B	395	520	M12	465	13	500
B	445	570	M12	515	13	550
B	445	570	M12	515	13	550
B	445	570	M12	515	13	550
A	135	470	M6	180	9	205
A	150	610	M8	200	9	225
A	560	650	M14	660	16	700
A	560	650	M14	660	16	700
A	560	650	M14	660	16	700
A	360	300	M10	420	11	450

CCF and GUB enclosures are suitable to build Ex d / Ex de switchboards of different configuration in compliance with customer specification like:

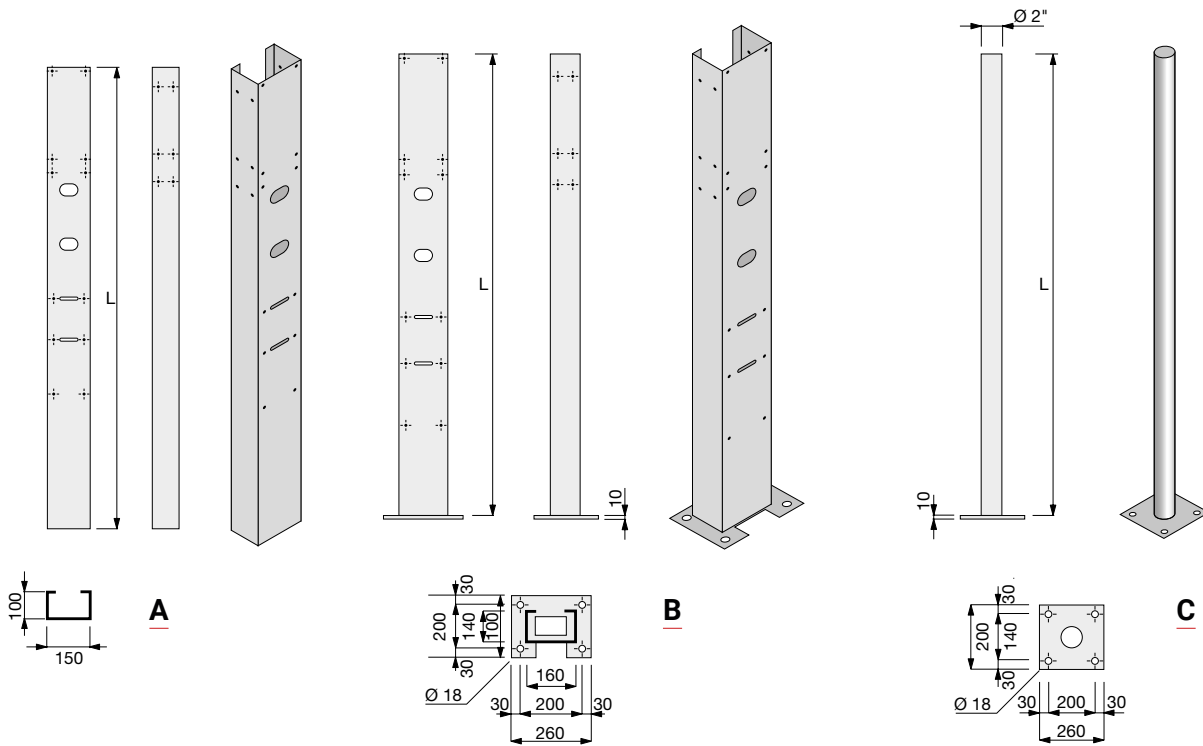
- lighting distribution
- power distribution
- heat tracing
- motor starter

**Installation area:** 1 – 2 / 21 – 22

**Material:** copper free aluminium, stainless steel, GRP



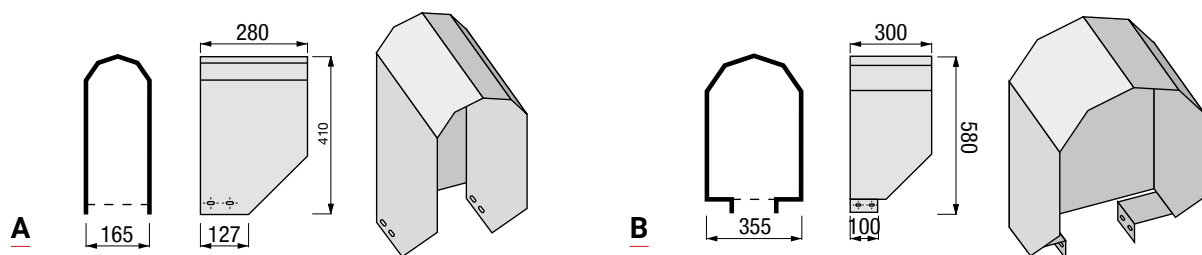
Supports



Material: Steel, hot dip galvanized after working.

CODE	DIMENSIONS (mm)		TYPE
	L		
15.23.01.09.02.00000	1500		A
15.23.01.09.02.00001	1700		A
15.23.01.09.02.00002	1500		B
15.23.01.09.02.00003	1700		B
15.23.01.09.02.00004	1500		C

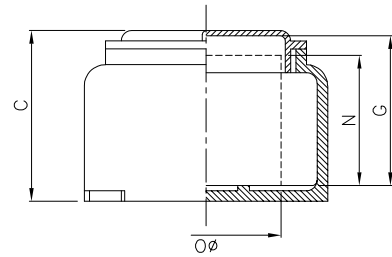
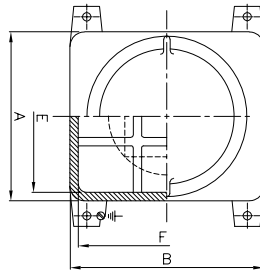
Protection caps for supports



Material: Steel, hot dip galvanized after working.

CODE	TYPE
15.24.01.09.02.00000	A
15.24.01.09.02.00001	B





**Execution:**  
 II 2 G Ex d IIC T6/T5/T4 Gb  
 II 2 G Ex d [ia] IIC T6 Gb  
 II 2 D Ex tb IIIC T85°C/T100°C/T135°C  
 Db IP66  
 II 2 D Ex tb [ia] IIIC T85°C Db IP66

**Protection degree:** IP66

**Applicable standards:**  
 EN 60079-0, EN 60079-1, EN 60079-11,  
 EN 60079-31

**Ambient temperature:**  
 -50°C / +80°C

**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Material:** Copper free aluminium die cast

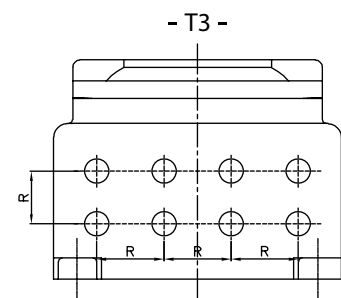
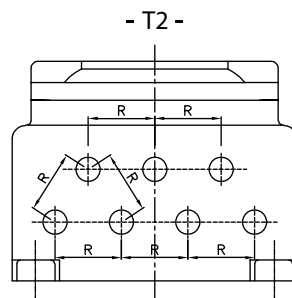
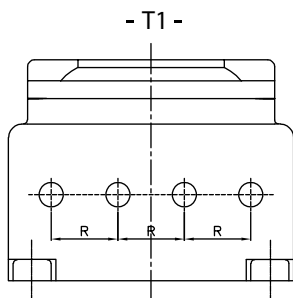
**External coating:** RAL 7000  
 Other colors on request.  
 Internal anticondensation coating  
 RAL 2004

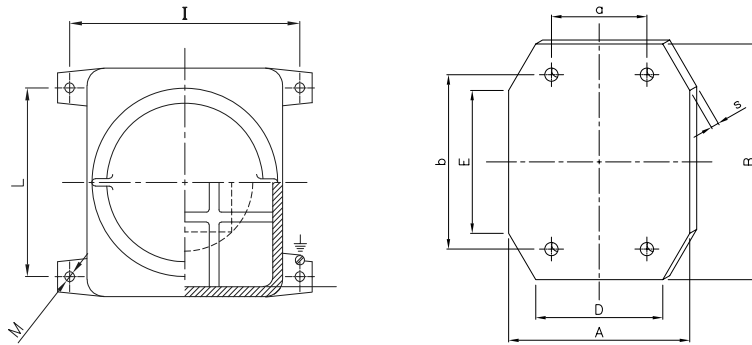
CODE	EXTERNAL DIMENSIONS (mm)			INTERNAL DIMENSIONS (mm)					WEIGHT (Kg)
	A	B	C	E	F	G	N	Ø	
GUB00	150	150	110	122	122	90	80	95	2.9
GUB01	165	165	120	137	137	100	90	110	3.5
GUB02	190	190	150	160	160	122	110	125	5.6
GUB03	225	255	172	193	223	145	130	156	10.4
GUB04	270	305	202	238	273	160	145	190	14.6
GUB05	300	340	240	264	304	190	175	217	21.3

CODE	SIDE	GUIDE FOR ENTRIES DEFINING																																			
		M20-1/2"				M25-3/4"				M32-1"				M40-1"1/4				M50-1"1/2				M63-2"				M75-2"1/2				M80-3"				M90-4"			
		R	SCH.			R	SCH.			R	SCH.			R	SCH.			R	SCH.			R	SCH.			R	SCH.			R	SCH.						
	T1	T2	T3		T1	T2	T3		T1	T2	T3		T1	T2	T3		T1	T2	T3		T1	T2	T3		T1	T2	T3		T1	T2	T3						
GUB00	L	45	3	5	-	50	2	-	-	60	2	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
	S	45	3	5	-	50	2	-	-	60	2	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-					
GUB01	L	45	3	5	6	45	3	5	-	45	3	-	-	75	2	-	-	75	2	-	-	-	1	-	-	-	-	-	-	-	-	-					
	S	45	3	5	6	45	3	5	-	45	3	-	-	75	2	-	-	75	2	-	-	-	1	-	-	-	-	-	-	-	-	-					
GUB02	L	45	4	7	8	50	3	5	6	50	3	5	6	90	2	-	-	90	2	-	-	-	1	-	-	1	-	-	-	-	-	-					
	S	45	4	7	8	50	3	5	6	50	3	5	6	90	2	-	-	90	2	-	-	-	1	-	-	1	-	-	-	-	-	-					
GUB03	L	45	5	9	10	45	5	9	10	55	4	7	8	80	3	-	-	80	3	-	-	100	2	-	-	115	2	-	-	1	-	-					
	S	45	4	7	8	45	4	7	8	55	3	5	6	90	2	-	-	90	2	-	-	100	2	-	-	100	2	-	-	1	-	-					
GUB04	L	45	6	11	12	45	6	11	12	55	4	7	8	80	3	-	-	80	3	-	-	95	3	-	-	130	2	-	-	130	2	-	1				
	S	45	5	9	10	45	4	7	8	55	4	7	8	80	3	-	-	80	3	-	-	100	2	-	-	120	2	-	-	1	-	-					
GUB05	L	45	7	13	14	45	7	13	14	60	5	9	10	100	3	-	-	100	3	-	-	100	3	-	-	150	2	-	-	150	2	-	150				
	S	45	6	11	12	45	6	11	12	60	4	7	8	80	3	-	-	95	3	-	-	90	3	-	-	150	2	-	-	140	2	-	1				

**Note:**  
 Available threads: · NTP ANSI B1.20.1 · ISO Metric. x1,5 ISO 956  
 Side legend: · L= Long side · S= Short side

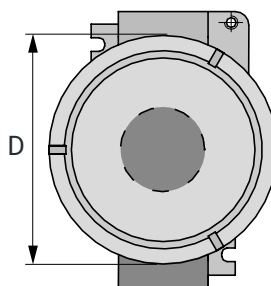
This table is indicative only. The quantity of the entrances / cable glands are valid only after Technical Office approval.  
 Other entries possibilities are available on request.





CODE	INSTALLATION TEMPLATES (mm)		
	I	L	M
GUB00	175	125	8
GUB01	190	140	8
GUB02	215	165	8
GUB03	260	220	10
GUB04	300	270	10
GUB05	330	300	10

CODE	INTERNAL PLATES								Weight (g)
	DIMENSIONS (mm)					INTERNAL FASTENING			
	A	B	D	E	s	a	b	ØC	
PC00	105	105	42	92	2	40	90	M6	160
PC01	120	120	48	100	2	48	100	M6	210
PC02	140	140	70	124	2	58	120	M6	380
PC03	160	190	75	150	2	70	147	M6	620
PC04	200	230	88	182	2	85	182	M6	900
PC05	215	265	100	207	2	100	207	M6	1170



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079.1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

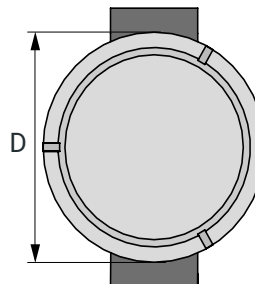
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.01.01.01.04.00000	ISO Metric	M20x1.5	90	0,9
06.01.01.01.04.00001	ISO Metric	M25x1.5	65	0,6
06.01.01.01.04.00002	ISO Metric	M25x1.5	90	0,9
06.01.01.01.04.00003	ISO Metric	M32x1.5	90	0,9
06.01.01.01.04.00004	ISO Metric	M50x1.5	150	1,3
06.01.01.01.04.00005	ISO Metric	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.01.02.01.04.00000	NPT	M20x1.5	90	0,9
06.01.02.01.04.00001	NPT	M25x1.5	65	0,6
06.01.02.01.04.00002	NPT	M25x1.5	90	0,9
06.01.02.01.04.00003	NPT	M32x1.5	90	0,9
06.01.02.01.04.00004	NPT	M50x1.5	150	1,3
06.01.02.01.04.00005	NPT	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.01.03.01.04.00000	UNI 6125	M20x1.5	90	0,9
06.01.03.01.04.00001	UNI 6125	M25x1.5	65	0,6
06.01.03.01.04.00002	UNI 6125	M25x1.5	90	0,9
06.01.03.01.04.00003	UNI 6125	M32x1.5	90	0,9
06.01.03.01.04.00004	UNI 6125	M50x1.5	150	1,3
06.01.03.01.04.00005	UNI 6125	M63x1.5	150	1,3



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

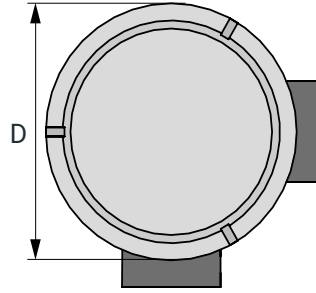
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.02.01.01.04.00000	ISO Metric	M20x1.5	65	0,6
06.02.01.01.04.00001	ISO Metric	M20x1.5	90	0,9
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06.02.01.01.04.00004	ISO Metric	M32x1.5	90	0,9
06.02.01.01.04.00005	ISO Metric	M50x1.5	150	1,3
06.02.01.01.04.00006	ISO Metric	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.02.02.01.04.00000	NPT	1/2"	65	0,6
06.02.02.01.04.00001	NPT	1/2"	90	0,9
06.02.02.01.04.00002	NPT	3/4"	65	0,6
06.02.02.01.04.00003	NPT	3/4"	90	0,9
06.02.02.01.04.00004	NPT	1"	90	0,9
06.02.02.01.04.00005	NPT	1 1/2"	150	1,3
06.02.02.01.04.00006	NPT	2"	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.02.03.01.04.00000	UNI 6125	1/2"	65	0,6
06.02.03.01.04.00001	UNI 6125	1/2"	90	0,9
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06.02.03.01.04.00004	UNI 6125	1"	90	0,9
06.02.03.01.04.00005	UNI 6125	1 1/2"	150	1,3
06.02.03.01.04.00006	UNI 6125	2"	150	1,3



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079.1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

zone 21 - 22 (Dust)

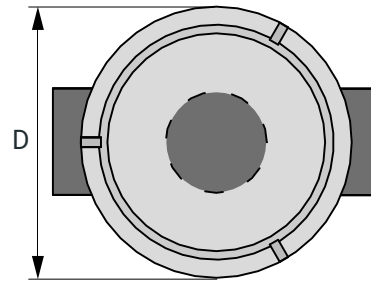
**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.03.01.01.04.00000	ISO Metric	M20x1.5	65	0,6
06.03.01.01.04.00001	ISO Metric	M20x1.5	90	0,9
06.03.01.01.04.00002	ISO Metric	M25x1.5	65	0,6
06.03.01.01.04.00003	ISO Metric	M25x1.5	90	0,9
06.03.01.01.04.00004	ISO Metric	M32x1.5	90	0,9
06.03.01.01.04.00005	ISO Metric	M50x1.5	150	1,3
06.03.01.01.04.00006	ISO Metric	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.03.02.01.04.00000	NPT	1/2"	65	0,6
06.03.02.01.04.00001	NPT	1/2"	90	0,9
06.03.02.01.04.00002	NPT	3/4"	65	0,6
06.03.02.01.04.00003	NPT	3/4"	90	0,9
06.03.02.01.04.00004	NPT	1"	90	0,9
06.03.02.01.04.00005	NPT	1 1/2"	150	1,3
06.03.02.01.04.00006	NPT	2"	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.03.03.01.04.00000	UNI 6125	1/2"	65	0,6
06.03.03.01.04.00001	UNI 6125	1/2"	90	0,9
06.03.03.01.04.00002	UNI 6125	3/4"	65	0,6
06.03.03.01.04.00003	UNI 6125	3/4"	90	0,9
06.03.03.01.04.00004	UNI 6125	1"	90	0,9
06.03.03.01.04.00005	UNI 6125	1 1/2"	150	1,3
06.03.03.01.04.00006	UNI 6125	2"	150	1,3





**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

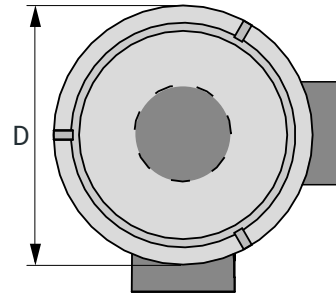
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.04.01.01.04.00000	ISO Metric	M20x1.5	90	0,9
06.04.01.01.04.00001	ISO Metric	M25x1.5	65	0,6
06.04.01.01.04.00002	ISO Metric	M25x1.5	90	0,9
06.04.01.01.04.00003	ISO Metric	M32x1.5	90	0,9
06.04.01.01.04.00004	ISO Metric	M50x1.5	150	1,3
06.04.01.01.04.00005	ISO Metric	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.04.02.01.04.00000	NPT	1/2"	90	0,9
06.04.02.01.04.00001	NPT	3/4"	65	0,6
06.04.02.01.04.00002	NPT	3/4"	90	0,9
06.04.02.01.04.00003	NPT	1"	90	0,9
06.04.02.01.04.00004	NPT	1 1/2"	150	1,3
06.04.02.01.04.00005	NPT	2"	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.04.03.01.04.00000	UNI 6125	1/2"	90	0,9
06.04.03.01.04.00001	UNI 6125	3/4"	65	0,6
06.04.03.01.04.00002	UNI 6125	3/4"	90	0,9
06.04.03.01.04.00003	UNI 6125	1"	90	0,9
06.04.03.01.04.00004	UNI 6125	1 1/2"	150	1,3
06.04.03.01.04.00005	UNI 6125	2"	150	1,3



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079.1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

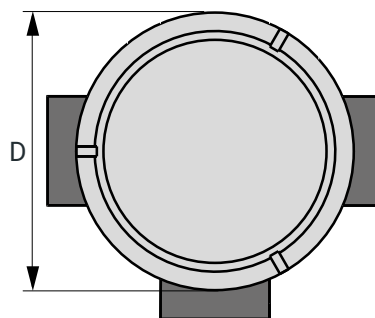
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.05.01.01.04.00000	ISO Metric	M20x1.5	90	0,9
06.05.01.01.04.00001	ISO Metric	M25x1.5	65	0,6
06.05.01.01.04.00002	ISO Metric	M25x1.5	90	0,9
06.05.01.01.04.00003	ISO Metric	M32x1.5	90	0,9
06.05.01.01.04.00004	ISO Metric	M50x1.5	150	1,3
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06.05.02.01.04.00003	NPT	1"	90	0,9
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06.05.03.01.04.00001	UNI 6125	3/4"	65	0,6
06.05.03.01.04.00002	UNI 6125	3/4"	90	0,9
06.05.03.01.04.00003	UNI 6125	1"	90	0,9
06.05.03.01.04.00004	UNI 6125	1 1/2"	150	1,3
06.05.03.01.04.00005	UNI 6125	2"	150	1,3



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

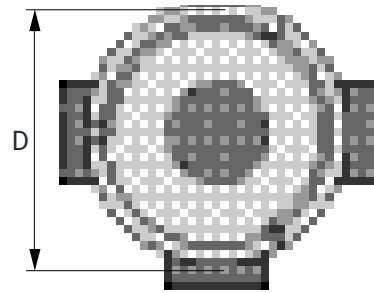
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.06.01.01.04.00000	ISO Metric	M20x1.5	65	0,6
06.06.01.01.04.00001	ISO Metric	M20x1.5	90	0,9
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06.06.01.01.04.00004	ISO Metric	M32x1.5	90	0,9
06.06.01.01.04.00005	ISO Metric	M50x1.5	150	1,3
06.06.01.01.04.00006	ISO Metric	M63x1.5	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
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06.06.02.01.04.00001	NPT	1/2"	90	0,9
06.06.02.01.04.00002	NPT	3/4"	65	0,6
06.06.02.01.04.00003	NPT	3/4"	90	0,9
06.06.02.01.04.00004	NPT	1"	90	0,9
06.06.02.01.04.00005	NPT	1 1/2"	150	1,3
06.06.02.01.04.00006	NPT	2"	150	1,3

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.06.03.01.04.00000	UNI 6125	1/2"	65	0,6
06.06.03.01.04.00001	UNI 6125	1/2"	90	0,9
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06.06.03.01.04.00004	UNI 6125	1"	90	0,9
06.06.03.01.04.00005	UNI 6125	1 1/2"	150	1,3
06.06.03.01.04.00006	UNI 6125	2"	150	1,3



**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

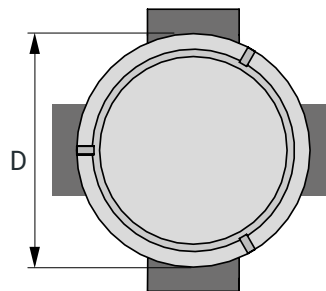
zone 21 - 22 (Dust)

**Material:** Copper free aluminium die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.07.01.01.04.00000	ISO Metric	M20x1.5	90	0,9
06.07.01.01.04.00001	ISO Metric	M25x1.5	65	0,6
06.07.01.01.04.00002	ISO Metric	M25x1.5	90	0,9
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06.07.01.01.04.00004	ISO Metric	M50x1.5	150	1,3
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06.07.02.01.04.00003	NPT	1"	90	0,9
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06.07.03.01.04.00003	UNI 6125	1"	90	0,9
06.07.03.01.04.00004	UNI 6125	1 1/2"	150	1,3
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**Execution:**

Ex d IIC T6 / T3 Gb  
Ex tb IIIC T85°C / T150°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:**

-20°C / +55°C  
-60°C / +55°C  
-20°C / +130°C  
-60°C / +130°C

**Installation area:** zone 1 - 2 (Gas)

zone 21 - 22 (Dust)

**Material:** Copper free aluminium

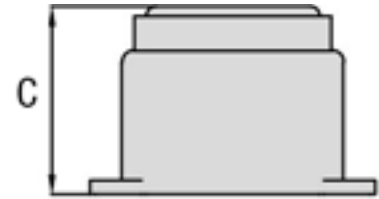
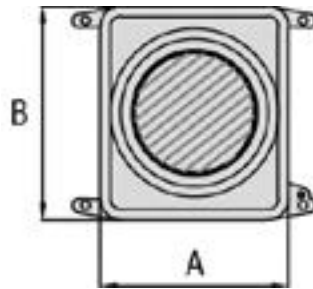
die cast

CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
06.08.01.01.04.00000	ISO Metric	M20x1.5	65	0,6
06.08.01.01.04.00001	ISO Metric	M20x1.5	90	0,9
06.08.01.01.04.00002	ISO Metric	M25x1.5	65	0,6
06.08.01.01.04.00003	ISO Metric	M25x1.5	90	0,9
06.08.01.01.04.00004	ISO Metric	M32x1.5	90	0,9
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CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
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06.08.02.01.04.00004	NPT	1"	90	0,9
06.08.02.01.04.00005	NPT	1 1/2"	150	1,3
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CODE	THREAD TYPE	ENTRY SIZE	D (mm)	WEIGHT (Kg)
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06.08.03.01.04.00002	UNI 6125	3/4"	65	0,6
06.08.03.01.04.00003	UNI 6125	3/4"	90	0,9
06.08.03.01.04.00004	UNI 6125	1"	90	0,9
06.08.03.01.04.00005	UNI 6125	1 1/2"	150	1,3
06.08.03.01.04.00006	UNI 6125	2"	150	1,3





**Execution:**

II 2 G Ex d IIC T6/T5/T4 Gb  
 II 2 G Ex d [ia] IIC T6 Gb  
 II 2 D Ex tb IIIC T85°C/T100°C/  
 T135°C Db IP66  
 II 2 D Ex tb [ia] IIIC T85°C Db IP66

**Protection degree:**

IP66  
 IP67

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-11,  
 EN 60079-31

**Ambient temperature:**

-50°C / +40°C  
 -50°C / +80°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

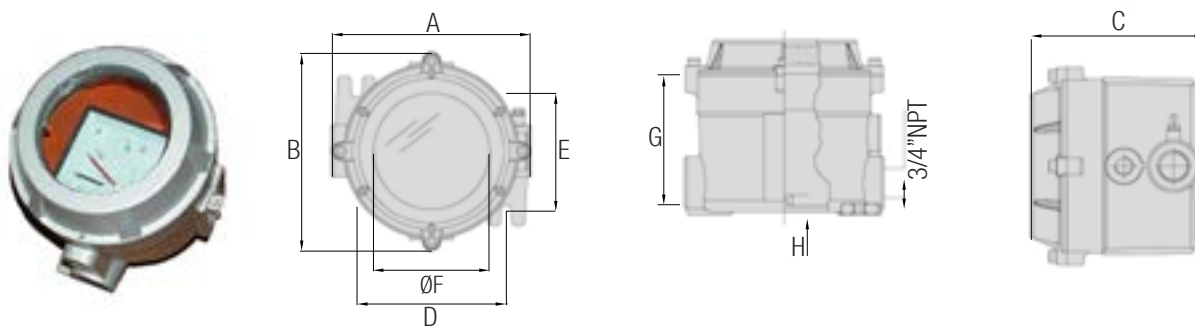
**Material:** Copper free aluminium die cast

**External coating:** RAL 7000

Other colors on request  
 Internal anti-condensation coating  
 RAL 2004 on request.

CODE	DIMENSIONS (mm) (A x B x C)	WINDOW	WEIGHT (Kg)
GUB 00-WN	150 x 150 x 110	82	3,0
GUB 01-WN	165 x 165 x 120	96	3,7
GUB 02-WN	190 x 190 x 150	115	5,8
GUB 03-WN	225 x 255 x 172	140	10,7
GUB 04-WN	270 x 305 x 202	165	14,8
GUB 05-WN	300 x 340 x 240	195	21,0

CODE	DIMENSIONS (mm) (A x B x C)	WINDOW	WEIGHT (Kg)
GUB 000-WN	150 x 150 x 170-200	82	3,15
GUB 011-WN	165 x 165 x 180-220	96	3,8
GUB 022-WN	190 x 190 x 239-289	115	7,0
GUB 033-WN	225 x 255 x 259-334	140	13,4
GUB 044-WN	270 x 305 x 305-380	165	19,0
GUB 055-WN	300 x 340 x 345-435	195	26,9



**Execution:**  
Ex d IIC T6 Gb  
Ex tb IIIC T85°C Db IP66

**Protection Degree:** IP66

**Applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:** -20°C / +52°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Body and cover - Copper free aluminium die cast  
Window - transparent tempered glass  
Gasket - NBR O-Ring

CODE	DIMENSIONS (mm)								WEIGHT (Kg)	THREAD TYPE	DRAIN VALVE
	A	B	C	D	E	F	G	H			
01.10.01.01.04.00001	160	160	131	121	95	89	101	8	1,50	1x3/4"	NO
01.10.01.01.04.00002	160	160	131	121	95	89	101	8	1,50	2x3/4"	NO
01.10.01.01.04.00003	160	160	131	121	95	89	101	8	1,50	1x3/4"	YES
01.10.01.01.04.00004	160	160	131	121	95	89	101	8	1,50	2x3/4"	YES


**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Nickel plated brass or  
 Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNA0XSMBNS*	-	-	2-4	ISO Metric	M8x1.25
PNA0SMBNS*	4-6	6-8	-	ISO Metric	M12
PNA01SMBNS	-	3-6	6-9	ISO Metric	M16
PNA01MBNS	4-6	6-9	9-12	ISO Metric	M16
PNA1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNA12MBNS	10-12	12-14,5	14,5-16	ISO Metric	M20
PNA2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNA23MBNS	14-17	17-20	-	ISO Metric	M25
PNA3MBNS	14-17	17-20	20-24	ISO Metric	M 32
PNA34MBNS	22-24	24-27	27-28	ISO Metric	M32
PNA4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNA45MBNS	26-28	28-31	31-34	ISO Metric	M40
PNA5MBNS	26-28	28-31	31-35	ISO Metric	M50
PNA56MBNS	35-38	38-41	41-44	ISO Metric	M50
PNA6MBNS	35-38	38-41	41-45	ISO Metric	M63
PNA67MBNS	46-48	48-52	52-56	ISO Metric	M63
PNA7MBNS	46-51	51-57	57-62	ISO Metric	M75
PNA78MBNS	60-63	63-69	69-70	ISO Metric	M75
PNA8MBNS	60-63	63-69	69-70	ISO Metric	M90
PNA810MBNS	75-79	79-82	82-85	ISO Metric	M90
PNA10MBNS	75-79	79-82	82-85	ISO Metric	M100
PNA11MBNS	85-89	89-92	92-95	ISO Metric	M110

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNA0XSMXS*	-	-	2-4	ISO Metric	M8x1.25
PNA0SMXS*	4-6	6-8	-	ISO Metric	M12
PNA01SMXS	-	3-6	6-9	ISO Metric	M16
PNA01MXS	4-6	6-9	9-12	ISO Metric	M16
PNA1MXS	4-6	6-9	9-12	ISO Metric	M20
PNA12MXS	10-12	12-14,5	14,5-16	ISO Metric	M20
PNA2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNA23MXS	14-17	17-20	-	ISO Metric	M25
PNA3MXS	14-17	17-20	20-24	ISO Metric	M 32
PNA34MXS	22-24	24-27	27-28	ISO Metric	M32
PNA4MXS	22-24	24-27	27-32	ISO Metric	M40
PNA45MXS	26-28	28-31	31-34	ISO Metric	M40
PNA5MXS	26-28	28-31	31-35	ISO Metric	M50
PNA56MXS	35-38	38-41	41-44	ISO Metric	M50
PNA6MXS	35-38	38-41	41-45	ISO Metric	M63
PNA67MXS	46-48	48-52	52-56	ISO Metric	M63
PNA7MXS	46-51	51-57	57-62	ISO Metric	M75
PNA78MXS	60-63	63-69	69-70	ISO Metric	M75
PNA8MXS	60-63	63-69	69-70	ISO Metric	M90
PNA810MXS	75-79	79-82	82-85	ISO Metric	M90
PNA10MXS	75-79	79-82	82-85	ISO Metric	M100
PNA11MXS	85-89	89-92	92-95	ISO Metric	M110

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

Single seal cable glands for unarmoured cables series PNA



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNA0SNBNS*	4-6	6-8	-	NPT	1/4"
PNA01SNBNS	-	3-6	6-9	NPT	3/8"
PNA01NBNS	4-6	6-9	9-12	NPT	3/8"
PNA1NBNS	4-6	6-9	9-12	NPT	1/2"
PNA12NBNS	10-12	12-14,5	14,5-16	NPT	1/2"
PNA2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNA23NBNS	14-17	17-20	-	NPT	3/4"
PNA3NBNS	14-17	17-20	20-24	NPT	1"
PNA34NBNS	22-24	24-26	-	NPT	1"
PNA4NBNS	22-24	24-27	27-32	NPT	1 1/4"
PNA45NBNS	26-28	28-31	31-34	NPT	1 1/4"
PNA5NBNS	26-28	28-31	31-35	NPT	1 1/2"
PNA56NBNS	35-38	38-41	-	NPT	1 1/2"
PNA6NBNS	35-38	38-41	41-45	NPT	2"
PNA67NBNS	46-48	48-52	52-56	NPT	2"
PNA7NBNS	46-51	51-57	57-62	NPT	2 1/2"
PNA78NBNS	60-63	63-69	69-70	NPT	2 1/2"
PNA8NBNS	60-63	63-69	69-70	NPT	3"
PNA810NBNS	75-79	79-82	82-85	NPT	3"
PNA10NBNS	75-79	79-82	82-85	NPT	4"
PNA11NBNS	85-89	89-92	92-95	NPT	4"

(\* ) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNA0SNXS*	4-6	6-8	-	NPT	1/4"
PNA01SNXS	-	3-6	6-9	NPT	3/8"
PNA01NXS	4-6	6-9	9-12	NPT	3/8"
PNA1NXS	4-6	6-9	9-12	NPT	1/2"
PNA12NXS	10-12	12-14,5	14,5-16	NPT	1/2"
PNA2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNA23NXS	14-17	17-20	-	NPT	3/4"
PNA3NXS	14-17	17-20	20-24	NPT	1"
PNA34NXS	22-24	24-26	-	NPT	1"
PNA4NXS	22-24	24-27	27-32	NPT	1 1/4"
PNA45NXS	26-28	28-31	31-34	NPT	1 1/4"
PNA5NXS	26-28	28-31	31-35	NPT	1 1/2"
PNA56NXS	35-38	38-41	-	NPT	1 1/2"
PNA6NXS	35-38	38-41	41-45	NPT	2"
PNA67NXS	46-48	48-52	52-56	NPT	2"
PNA7NXS	46-51	51-57	57-62	NPT	2 1/2"
PNA78NXS	60-63	63-69	69-70	NPT	2 1/2"
PNA8NXS	60-63	63-69	69-70	NPT	3"
PNA810NXS	75-79	79-82	82-85	NPT	3"
PNA10NXS	75-79	79-82	82-85	NPT	4"
PNA11NXS	85-89	89-92	92-95	NPT	4"

(\* ) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables series PNAU**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
 Stainless steel

CODE	NICKEL PLATED BRASS		
	CLAMPING RANGE	THREAD TYPE	SIZE
PNAU01MBNS	3-8,5	ISO Metric	M16
PNAU01LMBNS	6-12	ISO Metric	M16
PNAU1MBNS	6-12	ISO Metric	M20
PNAU1LMBNS	12-14,5	ISO Metric	M20
PNAU2SMBNS	6-12	ISO Metric	M25
PNAU2MBNS	12-16	ISO Metric	M25
PNAU2LMBNS	12-20	ISO Metric	M25
PNAU3SMBNS	12-20	ISO Metric	M32
PNAU3MBNS	15-26	ISO Metric	M32
PNAU4SMBNS	15-26	ISO Metric	M40
PNAU4MBNS	20-32	ISO Metric	M40
PNAU5SMBNS	22-35	ISO Metric	M50
PNAU5MBNS	27-41	ISO Metric	M50
PNAU6SMBNS	35-45	ISO Metric	M63
PNAU6MBNS	40-52	ISO Metric	M63
PNAU7SMBNS	40-52	ISO Metric	M75
PNAU7MBNS	45-60	ISO Metric	M75
PNAU8SMBNS	45-60	ISO Metric	M90
PNAU8MBNS	60-72	ISO Metric	M90

**Note:** Other threads are available on request

CODE	STAINLESS STEEL		
	CLAMPING RANGE	THREAD TYPE	SIZE
PNAU01MXS	3-8,5	ISO Metric	M16
PNAU01LMXS	6-12	ISO Metric	M16
PNAU1MXS	6-12	ISO Metric	M20
PNAU1LMXS	12-14,5	ISO Metric	M20
PNAU2SMXS	6-12	ISO Metric	M25
PNAU2MXS	12-16	ISO Metric	M25
PNAU2LMXS	12-20	ISO Metric	M25
PNAU3SMXS	12-20	ISO Metric	M32
PNAU3MXS	15-26	ISO Metric	M32
PNAU4SMXS	15-26	ISO Metric	M40
PNAU4MXS	20-32	ISO Metric	M40
PNAU5SMXS	22-35	ISO Metric	M50
PNAU5MXS	27-41	ISO Metric	M50
PNAU6SMXS	35-45	ISO Metric	M63
PNAU6MXS	40-52	ISO Metric	M63
PNAU7SMXS	40-52	ISO Metric	M75
PNAU7MXS	45-60	ISO Metric	M75
PNAU8SMXS	45-60	ISO Metric	M90
PNAU8MXS	60-72	ISO Metric	M90

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables series PNAU



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing  
rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS		
	CLAMPING RANGE	THREAD TYPE	SIZE
PNAU01NBNS	3-8,5	NPT	3/8"
PNAU01LNBNS	6-12	NPT	3/8"
PNAU1NBNS	6-12	NPT	1/2"
PNAU1LNBNS	12-14,5	NPT	1/2"
PNAU2SNBNS	6-12	NPT	3/4"
PNAU2NBNS	12-16	NPT	3/4"
PNAU2LNBNS	12-20	NPT	3/4"
PNAU3SNBNS	12-20	NPT	1"
PNAU3NBNS	15-26	NPT	1"
PNAU4SNBNS	15-26	NPT	1 1/4"
PNAU4NBNS	20-32	NPT	1 1/4"
PNAU5SNBNS	22-35	NPT	1 1/2"
PNAU5NBNS	27-41	NPT	1 1/2"
PNAU6SNBNS	35-45	NPT	2"
PNAU6NBNS	40-52	NPT	2"
PNAU7SNBNS	40-52	NPT	2 1/2"
PNAU7NBNS	45-60	NPT	2 1/2"
PNAU8SNBNS	45-60	NPT	3"
PNAU8NBNS	60-72	NPT	3"

**Note:** Other threads are available on request

CODE	STAINLESS STEEL		
	CLAMPING RANGE	THREAD TYPE	SIZE
PNAU01NXS	3-8,5	NPT	3/8"
PNAU01LNXS	6-12	NPT	3/8"
PNAU1NXS	6-12	NPT	1/2"
PNAU1LNXS	12-14,5	NPT	1/2"
PNAU2SNXS	6-12	NPT	3/4"
PNAU2NXS	12-16	NPT	3/4"
PNAU2LNXS	12-20	NPT	3/4"
PNAU3SNXS	12-20	NPT	1"
PNAU3NXS	15-26	NPT	1"
PNAU4SNXS	15-26	NPT	1 1/4"
PNAU4NXS	20-32	NPT	1 1/4"
PNAU5SNXS	22-35	NPT	1 1/2"
PNAU5NXS	27-41	NPT	1 1/2"
PNAU6SNXS	35-45	NPT	2"
PNAU6NXS	40-52	NPT	2"
PNAU7SNXS	40-52	NPT	2 1/2"
PNAU7NXS	45-60	NPT	2 1/2"
PNAU8SNXS	45-60	NPT	3"
PNAU8NXS	60-72	NPT	3"

**Note:** Other threads are available on request



**Single seal cable glands for unarmoured and shielded cables with contact spring series PNAS**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Nickel plated brass or  
 Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

-60°C / +100°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAS01SMBNS	-	4-6	6-8	ISO Metric	M16
PNAS01MBNS	-	4-6	6-8	ISO Metric	M16
PNAS1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNAS2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNAS3MBNS	14-17	17-20	20-24	ISO Metric	M32
PNAS4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNAS5MBNS	26-28	28-31	31-35	ISO Metric	M50

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAS01SMXS	-	4-6	6-8	ISO Metric	M16
PNAS01MXS	-	4-6	6-8	ISO Metric	M16
PNAS1MXS	4-6	6-9	9-12	ISO Metric	M20
PNAS2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNAS3MXS	14-17	17-20	20-24	ISO Metric	M32
PNAS4MXS	22-24	24-27	27-32	ISO Metric	M40
PNAS5MXS	26-28	28-31	31-35	ISO Metric	M50

**Note:** Other threads are available on request

### Single seal cable glands for unarmoured and shielded cables with contact spring series PNAS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
-60°C / +100°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAS01SNBNS	-	4-6	6-8	NPT	3/8"
PNAS01NBNS	-	4-6	6-8	NPT	3/8"
PNAS1NBNS	4-6	6-9	9-12	NPT	1/2"
PNAS2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNAS3NBNS	14-17	17-20	20-24	NPT	1"
PNAS4NBNS	22-24	24-27	27-32	NPT	1 ¼"
PNAS5NBNS	26-28	28-31	31-35	NPT	1 ½"

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAS01SNXS	-	4-6	6-8	NPT	3/8"
PNAS01NXS	-	4-6	6-8	NPT	3/8"
PNAS1NXS	4-6	6-9	9-12	NPT	1/2"
PNAS2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNAS3NXS	14-17	17-20	20-24	NPT	1"
PNAS4NXS	22-24	24-27	27-32	NPT	1 ¼"
PNAS5NXS	26-28	28-31	31-35	NPT	1 ½"

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured and shielded cables series PNAN**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
 Stainless steel

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE		THREAD TYPE	SIZE
PNAN0XSMBNS	-	4-7	ISO Metric	M12
PNAN01SMBNS	-	5-8	ISO Metric	M16
PNAN1MBNS	8-11	11-14	ISO Metric	M20
PNAN2MBNS	10-13	13-16	ISO Metric	M25
PNAN3MBNS	16-18	18-21	ISO Metric	M32
PNAN4MBNS	18-22	22-27	ISO Metric	M40
PNAN5MBNS	26-30	30-35	ISO Metric	M50
PNAN6MBNS	32-40	40-49	ISO Metric	M63

**Note:** Other threads are available on request

CODE	STAINLESS STEEL			
	CLAMPING RANGE		THREAD TYPE	SIZE
PNAN0XSMXS	-	4-7	ISO Metric	M12
PNAN01SMXS	-	5-8	ISO Metric	M16
PNAN1MXS	8-11	11-14	ISO Metric	M20
PNAN2MXS	10-13	13-16	ISO Metric	M25
PNAN3MXS	16-18	18-21	ISO Metric	M32
PNAN4MXS	18-22	22-27	ISO Metric	M40
PNAN5MXS	26-30	30-35	ISO Metric	M50
PNAN6MXS	32-40	40-49	ISO Metric	M63

**Note:** Other threads are available on request

Single seal cable glands for unarmoured and shielded cables series PNAN



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE		THREAD TYPE	SIZE
PNAN0XSNBNS	-	4-7	NPT	1/4"
PNAN01SNBNS	-	5-8	NPT	3/8"
PNAN1NBNS	8-11	11-14	NPT	1/2"
PNAN2NBNS	10-13	13-16	NPT	3/4"
PNAN3NBNS	16-18	18-21	NPT	1"
PNAN4NBNS	18-22	22-27	NPT	1 ¼"
PNAN5NBNS	26-30	30-35	NPT	1 ½"
PNAN6NBNS	32-40	40-49	NPT	2"

**Note:** Other threads are available on request

CODE	STAINLESS STEEL			
	CLAMPING RANGE		THREAD TYPE	SIZE
PNAN0XSNXS	-	4-7	NPT	1/4"
PNAN01SNXS	-	5-8	NPT	3/8"
PNAN1NXS	8-11	11-14	NPT	1/2"
PNAN2NXS	10-13	13-16	NPT	3/4"
PNAN3NXS	16-18	18-21	NPT	1"
PNAN4NXS	18-22	22-27	NPT	1 ¼"
PNAN5NXS	26-30	30-35	NPT	1 ½"
PNAN6NXS	32-40	40-49	NPT	2"

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables with liquidtight conduit connection series PNAC**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Nickel plated brass or  
 Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAC0SMBNS*	4-6	6-8	-	ISO Metric	M12
PNAC01MBNS	4-6	6-9	9-12	ISO Metric	M16
PNAC1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNAC12MBNS	10-12	12-14,5	14,5-16	ISO Metric	M20
PNAC2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNAC23MBNS	14-17	17-20	-	ISO Metric	M25
PNAC3MBNS	14-17	17-20	20-24	ISO Metric	M32
PNAC34MBNS	22-24	24-27	27-28	ISO Metric	M32
PNAC4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNAC45MBNS	26-28	28-31	31-34	ISO Metric	M40
PNAC5MBNS	26-28	28-31	31-35	ISO Metric	M50
PNAC56MBNS	35-38	38-41	41-44	ISO Metric	M50
PNAC6MBNS	35-38	38-41	41-45	ISO Metric	M63
PNAC7MBNS	46-51	51-57	57-59	ISO Metric	M75

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAC0SMXS*	4-6	6-8	-	ISO Metric	M12
PNAC01MXS	4-6	6-9	9-12	ISO Metric	M16
PNAC1MXS	4-6	6-9	9-12	ISO Metric	M20
PNAC12MXS	10-12	12-14,5	14,5-16	ISO Metric	M20
PNAC2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNAC23MXS	14-17	17-20	-	ISO Metric	M25
PNAC3MXS	14-17	17-20	20-24	ISO Metric	M32
PNAC34MXS	22-24	24-27	27-28	ISO Metric	M32
PNAC4MXS	22-24	24-27	27-32	ISO Metric	M40
PNAC45MXS	26-28	28-31	31-34	ISO Metric	M40
PNAC5MXS	26-28	28-31	31-35	ISO Metric	M50
PNAC56MXS	35-38	38-41	41-44	ISO Metric	M50
PNAC6MXS	35-38	38-41	41-45	ISO Metric	M63
PNAC7MXS	46-51	51-57	57-59	ISO Metric	M75

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with liquidtight conduit connection series PNAC



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAC0SNBNS*	4-6	6-8	-	NPT	1/4"
PNAC01NBNS	4-6	6-9	9-12	NPT	3/8"
PNAC1NBNS	4-6	6-9	9-12	NPT	1/2"
PNAC12NBNS	10-12	12-14,5	14,5-16	NPT	1/2"
PNAC2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNAC23NBNS	14-17	17-20	-	NPT	3/4"
PNAC3NBNS	14-17	17-20	20-24	NPT	1"
PNAC34NBNS	22-24	24-27	-	NPT	1"
PNAC4NBNS	22-24	24-27	27-32	NPT	1 ¼"
PNAC45NBNS	26-28	28-31	31-34	NPT	1 ¼"
PNAC5NBNS	26-28	28-31	31-35	NPT	1 ½"
PNAC56NBNS	35-38	38-41	-	NPT	1 ½"
PNAC6NBNS	35-38	38-41	41-45	NPT	2"
PNAC7NBNS	46-51	51-57	57-59	NPT	2 ½"

(\* Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNAC0SNXS*	4-6	6-8	-	NPT	1/4"
PNAC01NXS	4-6	6-9	9-12	NPT	3/8"
PNAC1NXS	4-6	6-9	9-12	NPT	1/2"
PNAC12NXS	10-12	12-14,5	14,5-16	NPT	1/2"
PNAC2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNAC23NXS	14-17	17-20	-	NPT	3/4"
PNAC3NXS	14-17	17-20	20-24	NPT	1"
PNAC34NXS	22-24	24-27	-	NPT	1"
PNAC4NXS	22-24	24-27	27-32	NPT	1 ¼"
PNAC45NXS	26-28	28-31	31-34	NPT	1 ¼"
PNAC5NXS	26-28	28-31	31-35	NPT	1 ½"
PNAC56NXS	35-38	38-41	-	NPT	1 ½"
PNAC6NXS	35-38	38-41	41-45	NPT	2"
PNAC7NXS	46-51	51-57	57-59	NPT	2 ½"

(\* Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request



**Single seal cable glands for unarmoured cables with liquidtight conduit connection series PNALS**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Nickel plated brass or  
 Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALS02MBNS*	4-6	6-8	-	ISO Metric	M12
PNALS01MBNS	4-6	6-9	9-12	ISO Metric	M16
PNALS1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNALS2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALS3MBNS	14-17	17-20	20-24	ISO Metric	M32
PNALS4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNALS5MBNS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALS02MXS*	4-6	6-8	-	ISO Metric	M12
PNALS01MXS	4-6	6-9	9-12	ISO Metric	M16
PNALS1MXS	4-6	6-9	9-12	ISO Metric	M20
PNALS2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALS3MXS	14-17	17-20	20-24	ISO Metric	M32
PNALS4MXS	22-24	24-27	27-32	ISO Metric	M40
PNALS5MXS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with liquidtight conduit connection series PNALS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALS02NBNS*	4-6	6-8	-	NPT	1/4"
PNALS01NBNS	4-6	6-9	9-12	NPT	3/8"
PNALS1NBNS	4-6	6-9	9-12	NPT	1/2"
PNALS2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALS3NBNS	14-17	17-20	20-24	NPT	1"
PNALS4NBNS	22-24	24-27	27-32	NPT	1 ¼"
PNALS5NBNS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALS02NXS*	4-6	6-8	-	NPT	1/4"
PNALS01NXS	4-6	6-9	9-12	NPT	3/8"
PNALS1NXS	4-6	6-9	9-12	NPT	1/2"
PNALS2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALS3NXS	14-17	17-20	20-24	NPT	1"
PNALS4NXS	22-24	24-27	27-32	NPT	1 ¼"
PNALS5NXS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

Single seal cable glands for unarmoured cables  
with liquidtight conduit connection (45° elbow) series PNALQ


**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALQ02MBNS*	4-6	6-8	-	ISO Metric	M12
PNALQ01MBNS	4-6	6-9	9-12	ISO Metric	M16
PNALQ1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNALQ2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALQ3MBNS	14-17	17-20	20-24	ISO Metric	M32
PNALQ4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNALQ5MBNS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALQ02MXS*	4-6	6-8	-	ISO Metric	M12
PNALQ01MXS	4-6	6-9	9-12	ISO Metric	M16
PNALQ1MXS	4-6	6-9	9-12	ISO Metric	M20
PNALQ2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALQ3MXS	14-17	17-20	20-24	ISO Metric	M32
PNALQ4MXS	22-24	24-27	27-32	ISO Metric	M40
PNALQ5MXS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with liquidtight conduit connection (45° elbow) series PNALQ



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALQ02NBNS*	4-6	6-8	-	NPT	1/4"
PNALQ01NBNS	4-6	6-9	9-12	NPT	3/8"
PNALQ1NBNS	4-6	6-9	9-12	NPT	1/2"
PNALQ2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALQ3NBNS	14-17	17-20	20-24	NPT	1"
PNALQ4NBNS	22-24	24-27	27-32	NPT	1 ¼"
PNALQ5NBNS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALQ02NXS*	4-6	6-8	-	NPT	1/4"
PNALQ01NXS	4-6	6-9	9-12	NPT	3/8"
PNALQ1NXS	4-6	6-9	9-12	NPT	1/2"
PNALQ2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALQ3NXS	14-17	17-20	20-24	NPT	1"
PNALQ4NXS	22-24	24-27	27-32	NPT	1 ¼"
PNALQ5NXS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

Single seal cable glands for unarmoured cables  
with liquidtight conduit connection (90° elbow) series PNALN



**Execution:**  
Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**  
-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALN02MBNS*	4-6	6-8	-	ISO Metric	M12
PNALN01MBNS	4-6	6-9	9-12	ISO Metric	M16
PNALN1MBNS	4-6	6-9	9-12	ISO Metric	M20
PNALN2MBNS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALN3MBNS	14-17	17-20	20-24	ISO Metric	M32
PNALN4MBNS	22-24	24-27	27-32	ISO Metric	M40
PNALN5MBNS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALN02MXS*	4-6	6-8	-	ISO Metric	M12
PNALN01MXS	4-6	6-9	9-12	ISO Metric	M16
PNALN1MXS	4-6	6-9	9-12	ISO Metric	M20
PNALN2MXS	10-12	12-14,5	14,5-18	ISO Metric	M25
PNALN3MXS	14-17	17-20	20-24	ISO Metric	M32
PNALN4MXS	22-24	24-27	27-32	ISO Metric	M40
PNALN5MXS	26-28	28-31	31-35	ISO Metric	M50

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

### Single seal cable glands for unarmoured cables with liquidtight conduit connection (90° elbow) series PNALN



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALN02NBNS*	4-6	6-8	-	NPT	1/4"
PNALN01NBNS	4-6	6-9	9-12	NPT	3/8"
PNALN1NBNS	4-6	6-9	9-12	NPT	1/2"
PNALN2NBNS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALN3NBNS	14-17	17-20	20-24	NPT	1"
PNALN4NBNS	22-24	24-27	27-32	NPT	1 ¼"
PNALN5NBNS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

CODE	STAINLESS STEEL				
	CLAMPING RANGE			THREAD TYPE	SIZE
PNALN02NXS*	4-6	6-8	-	NPT	1/4"
PNALN01NXS	4-6	6-9	9-12	NPT	3/8"
PNALN1NXS	4-6	6-9	9-12	NPT	1/2"
PNALN2NXS	10-12	12-14,5	14,5-18	NPT	3/4"
PNALN3NXS	14-17	17-20	20-24	NPT	1"
PNALN4NXS	22-24	24-27	27-32	NPT	1 ¼"
PNALN5NXS	26-28	28-31	31-35	NPT	1 ½"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request



**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAF**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS						
	CLAMPING RANGE			THREAD TYPE		SIZE	
PNAF0SM0SMBNS*	4-6	6-8	-	ISO Metric - ISO Metric		M-M12	F-M12
PNAF0SM01MBNS*	4-6	6-8	-	ISO Metric - ISO Metric		M-M12	F-M16
PNAF01M0SMBNS	4-6	6-8	-	ISO Metric - ISO Metric		M-M16	F-M12
PNAF01M12MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric		M-M16	F-M20
PNAF12M01MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric		M-M20	F-M16
PNAF1M1MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric		M-M20	F-M20
PNAF12M12MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric		M-M20	F-M20
PNAF12M23MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric		M-M20	F-M25
PNAF23M12MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric		M-M25	F-M20
PNAF2M2MBNS	10-12	12-14,5	14,5-18	ISO Metric - ISO Metric		M-M25	F-M25
PNAF23M23MBNS	14-17	17-20	-	ISO Metric - ISO Metric		M-M25	F-M25
PNAF23M34MBNS	14-17	17-20	-	ISO Metric - ISO Metric		M-M25	F-M32
PNAF34M23MBNS	14-17	17-20	-	ISO Metric - ISO Metric		M-M32	F-M25
PNAF3M3MBNS	14-17	17-20	20-24	ISO Metric - ISO Metric		M-M32	F-M32
PNAF34M34MBNS	22-24	24-27	28	ISO Metric - ISO Metric		M-M32	F-M32
PNAF34M45MBNS	22-24	24-27	28	ISO Metric - ISO Metric		M-M32	F-M40
PNAF45M34MBNS	22-24	24-27	28	ISO Metric - ISO Metric		M-M40	F-M32
PNAF4M4MBNS	22-24	24-27	28-32	ISO Metric - ISO Metric		M-M40	F-M40
PNAF45M45MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric		M-M40	F-M40
PNAF45M56MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric		M-M40	F-M50
PNAF5M45MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric		M-M50	F-M40
PNAF5M5MBNS	26-28	28-31	31-35	ISO Metric - ISO Metric		M-M50	F-M50
PNAF56M56MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric		M-M50	F-M50
PNAF56M67MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric		M-M50	F-M63
PNAF67M56MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric		M-M63	F-M50
PNAF6M6MBNS	35-38	38-41	41-45	ISO Metric - ISO Metric		M-M63	F-M63
PNAF67M67MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric		M-M63	F-M63
PNAF67M78MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric		M-M63	F-M75
PNAF78M67MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric		M-M75	F-M63
PNAF7M7MBNS	46-51	51-56	56-62	ISO Metric - ISO Metric		M-M75	F-M75
PNAF78M78MBNS	60-65	65-69	-	ISO Metric - ISO Metric		M-M75	F-M75
PNAF78M810MBNS	60-65	65-69	-	ISO Metric - ISO Metric		M-M75	F-M90
PNAF810M78MBNS	60-65	65-69	-	ISO Metric - ISO Metric		M-M90	F-M75
PNAF8M8MBNS	60-65	65-70	70-75	ISO Metric - ISO Metric		M-M90	F-M90
PNAF810M810MBNS	75-78	78-81	81-82	ISO Metric - ISO Metric		M-M90	F-M90
PNAF810M10MBNS	75-78	78-81	81-82	ISO Metric - ISO Metric		M-M90	F-M100
PNAF10M810MBNS	75-78	78-81	81-82	ISO Metric - ISO Metric		M-M100	F-M90
PNAF10M10MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric		M-M100	F-M100
PNAF11M10MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric		M-M110	F-M100
PNAF11M11MBNS	85-88	88-91	91-95	ISO Metric - ISO Metric		M-M110	F-M110

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAF



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SM0SMXS*	4-6	6-8	-	ISO Metric - ISO Metric	M-M12	F-M12
PNAF0SM01MXS*	4-6	6-8	-	ISO Metric - ISO Metric	M-M12	F-M16
PNAF01M0SMXS	4-6	6-8	-	ISO Metric - ISO Metric	M-M16	F-M12
PNAF01M12MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M16	F-M20
PNAF12M01MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M16
PNAF1M1MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M20
PNAF12M12MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M20
PNAF12M23MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M25
PNAF23M12MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M25	F-M20
PNAF2M2MXS	10-12	12-14,5	14,5-18	ISO Metric - ISO Metric	M-M25	F-M25
PNAF23M23MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M25
PNAF23M34MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M32
PNAF34M23MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M32	F-M25
PNAF3M3MXS	14-17	17-20	20-24	ISO Metric - ISO Metric	M-M32	F-M32
PNAF34M34MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M32
PNAF34M45MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M40
PNAF45M34MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M40	F-M32
PNAF4M4MXS	22-24	24-27	28-32	ISO Metric - ISO Metric	M-M40	F-M40
PNAF45M45MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M40
PNAF45M56MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M50
PNAF5M45MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M50	F-M40
PNAF5M5MXS	26-28	28-31	31-35	ISO Metric - ISO Metric	M-M50	F-M50
PNAF56M56MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M50
PNAF56M67MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M63
PNAF67M56MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M63	F-M50
PNAF6M6MXS	35-38	38-41	41-45	ISO Metric - ISO Metric	M-M63	F-M63
PNAF67M67MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M63
PNAF67M78MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M75
PNAF78M67MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M75	F-M63
PNAF7M7MXS	46-51	51-56	56-62	ISO Metric - ISO Metric	M-M75	F-M75
PNAF78M78MXS	60-65	65-69	-	ISO Metric - ISO Metric	M-M75	F-M75
PNAF78M810MXS	60-65	65-69	-	ISO Metric - ISO Metric	M-M75	F-M90
PNAF810M78MXS	60-65	65-69	-	ISO Metric - ISO Metric	M-M90	F-M75
PNAF8M8MXS	60-65	65-70	70-75	ISO Metric - ISO Metric	M-M90	F-M90
PNAF810M810MXS	75-78	78-81	81-82	ISO Metric - ISO Metric	M-M90	F-M90
PNAF810M10MXS	75-78	78-81	81-82	ISO Metric - ISO Metric	M-M90	F-M100
PNAF10M810MXS	75-78	78-81	81-82	ISO Metric - ISO Metric	M-M100	F-M90
PNAF10M10MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M100
PNAF11M10MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M110	F-M100
PNAF11M11MXS	85-88	88-91	91-95	ISO Metric - ISO Metric	M-M110	F-M110

(\* ) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAF**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SM0SNBNS*	4-6	6-8	-	ISO Metric - NPT	M-M12	F-1/4"
PNAF0SM01NBNS*	4-6	6-8	-	ISO Metric - NPT	M-M12	F-3/8"
PNAF01M0SNBNS	4-6	6-8	-	ISO Metric - NPT	M-M16	F-1/4"
PNAF01M01NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-3/8"
PNAF01M12NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-1/2"
PNAF12M01NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-3/8"
PNAF1M1NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-1/2"
PNAF12M12NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-1/2"
PNAF12M23NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-3/4"
PNAF23M12NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M25	F-1/2"
PNAF2M2NBNS	10-12	12-14,5	14,5-18	ISO Metric - NPT	M-M25	F-3/4"
PNAF23M23NBNS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-3/4"
PNAF23M34NBNS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-1"
PNAF34M23NBNS	14-17	17-20	-	ISO Metric - NPT	M-M32	F-3/4"
PNAF3M3NBNS	14-17	17-20	20-24	ISO Metric - NPT	M-M32	F-1"
PNAF34M34NBNS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAF34M45NBNS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAF45M34NBNS	22-24	24-27	28	ISO Metric - NPT	M-M40	F-1"
PNAF4M4NBNS	22-24	24-27	28-32	ISO Metric - NPT	M-M40	F-1 1/4"
PNAF45M45NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 1/4"
PNAF45M56NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 1/2"
PNAF5M45NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M50	F-1 1/4"
PNAF5M5NBNS	26-28	28-31	31-35	ISO Metric - NPT	M-M50	F-1 1/2"
PNAF56M56NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-1 1/2"
PNAF56M67NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-2"
PNAF67M56NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M63	F-1 1/2"
PNAF6M6NBNS	35-38	38-41	41-45	ISO Metric - NPT	M-M63	F-2"
PNAF67M67NBNS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2"
PNAF67M78NBNS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2 1/2"
PNAF7M7NBNS	46-51	51-56	56-62	ISO Metric - NPT	M-M75	F-2 1/2"
PNAF78M78NBNS	60-65	65-69	-	ISO Metric - NPT	M-M75	F-2 1/2"
PNAF78M810NBNS	60-65	65-69	-	ISO Metric - NPT	M-M75	F-3"
PNAF810M78NBNS	60-65	65-69	-	ISO Metric - NPT	M-M90	F-2 1/2"
PNAF8M8NBNS	60-65	65-70	70-75	ISO Metric - NPT	M-M90	F-3"
PNAF810M810NBNS	75-78	78-81	81-82	ISO Metric - NPT	M-M90	F-3"
PNAF810M10NBNS	75-78	78-81	81-82	ISO Metric - NPT	M-M90	F-4"
PNAF10M810NBNS	75-78	78-81	81-82	ISO Metric - NPT	M-M100	F-3"
PNAF10M10NBNS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-4"
PNAF11M11NBNS	85-88	88-91	91-95	ISO Metric - NPT	M-M110	F-4"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAF



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SM0SNXS*	4-6	6-8	-	ISO Metric - NPT	M-M12	F-1/4"
PNAF0SM01NXS*	4-6	6-8	-	ISO Metric - NPT	M-M12	F-3/8"
PNAF01M0SNXS	4-6	6-8	-	ISO Metric - NPT	M-M16	F-1/4"
PNAF01M01NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-3/8"
PNAF01M12NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-1/2"
PNAF12M01NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-3/8"
PNAF1M1NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-1/2"
PNAF12M12NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-1/2"
PNAF12M23NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-3/4"
PNAF23M12NXS	10-12	12-14,5	14,5-18	ISO Metric - NPT	M-M25	F-1/2"
PNAF2M2NXS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-3/4"
PNAF23M23NXS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-3/4"
PNAF23M34NXS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-1"
PNAF34M23NXS	14-17	17-20	20-24	ISO Metric - NPT	M-M32	F-3/4"
PNAF3M3NXS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAF34M34NXS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAF34M45NXS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAF45M34NXS	22-24	24-27	28-32	ISO Metric - NPT	M-M40	F-1"
PNAF4M4NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ¼"
PNAF45M45NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ¼"
PNAF45M56NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ½"
PNAF5M45NXS	26-28	28-31	31-35	ISO Metric - NPT	M-M50	F-1 ¼"
PNAF5M5NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-1 ½"
PNAF56M56NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-1 ½"
PNAF56M67NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-2"
PNAF67M56NXS	35-38	38-41	41-45	ISO Metric - NPT	M-M63	F-1 ½"
PNAF6M6NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2"
PNAF67M67NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2"
PNAF67M78NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2 ½"
PNAF7M7NXS	46-51	51-56	56-62	ISO Metric - NPT	M-M75	F-2 ½"
PNAF78M78NXS	60-65	65-69	-	ISO Metric - NPT	M-M75	F-2 ½"
PNAF78M810NXS	60-65	65-69	-	ISO Metric - NPT	M-M75	F-3"
PNAF810M78NXS	60-65	65-69	-	ISO Metric - NPT	M-M90	F-2 ½"
PNAF8M8NXS	60-65	65-70	70-75	ISO Metric - NPT	M-M90	F-3"
PNAF810M810NXS	75-78	78-81	81-82	ISO Metric - NPT	M-M90	F-3"
PNAF810M10NXS	75-78	78-81	81-82	ISO Metric - NPT	M-M90	F-4"
PNAF10M810NXS	75-78	78-81	81-82	ISO Metric - NPT	M-M100	F-3"
PNAF10M10NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-4"
PNAF11M11NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M110	F-4"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAF**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SN0SMBNS*	4-6	6-8	-	NPT - ISO Metric	M-1/4"	F-M12
PNAF0SN01MBNS*	4-6	6-8	-	NPT - ISO Metric	M-1/4"	F-M16
PNAF01N0SMBNS	4-6	6-8	-	NPT - ISO Metric	M-3/8"	F-M12
PNAF01N01MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M16
PNAF01N12MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M20
PNAF12N01MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M16
PNAF1N1MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M20
PNAF12N12MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M20
PNAF12N23MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M25
PNAF23N12MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-3/4"	F-M20
PNAF2N2MBNS	10-12	12-14,5	14,5-18	NPT - ISO Metric	M-3/4"	F-M25
PNAF23N23MBNS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M25
PNAF23N34MBNS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M32
PNAF34N23MBNS	14-17	17-20	-	NPT - ISO Metric	M-1"	F-M25
PNAF3N3MBNS	14-17	17-20	20-24	NPT - ISO Metric	M-1"	F-M32
PNAF34N34MBNS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M32
PNAF34N45MBNS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M40
PNAF45N34MBNS	22-24	24-27	28	NPT - ISO Metric	M-1 1/4"	F-M32
PNAF4N4MBNS	22-24	24-27	28-32	NPT - ISO Metric	M-1 1/4"	F-M40
PNAF45N45MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M40
PNAF45N56MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M50
PNAF56N45MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/2"	F-M40
PNAF5N5MBNS	26-28	28-31	31-35	NPT - ISO Metric	M-1 1/2"	F-M50
PNAF56N56MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M50
PNAF56N67MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M63
PNAF67N56MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-2"	F-M50
PNAF6N6MBNS	35-38	38-41	41-45	NPT - ISO Metric	M-2"	F-M63
PNAF67N67MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M63
PNAF67N78MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M75
PNAF78N67MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2 1/2"	F-M63
PNAF7N7MBNS	46-51	51-56	56-62	NPT - ISO Metric	M-2 1/2"	F-M75
PNAF78N78MBNS	60-65	65-69	-	NPT - ISO Metric	M-2 1/2"	F-M75
PNAF78N810MBNS	60-65	65-69	-	NPT - ISO Metric	M-2 1/2"	F-M90
PNAF810N78MBNS	60-65	65-69	-	NPT - ISO Metric	M-3"	F-M75
PNAF8N8MBNS	60-65	65-70	70-75	NPT - ISO Metric	M-3"	F-M90
PNAF810N810MBNS	75-78	78-81	81-82	NPT - ISO Metric	M-3"	F-M90
PNAF810N10MBNS	75-78	78-81	81-82	NPT - ISO Metric	M-3"	F-M100
PNAF11N810MBNS	75-78	78-81	81-82	NPT - ISO Metric	M-4"	F-M90
PNAF10N10MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M100
PNAF10N11MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M110
PNAF11N11MBNS	85-88	88-91	91-95	NPT - ISO Metric	M-4"	F-M110

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAF



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SN0SMXS*	4-6	6-8	-	NPT - ISO Metric	M-1/4"	F-M12
PNAF0SN01MXS*	4-6	6-8	-	NPT - ISO Metric	M-1/4"	F-M16
PNAF01N0SMXS	4-6	6-8	-	NPT - ISO Metric	M-3/8"	F-M12
PNAF01N01MXS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M16
PNAF01N12MXS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M20
PNAF12N01MXS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M16
PNAF1N1MXS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M20
PNAF12N12MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M20
PNAF12N23MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M25
PNAF23N12MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-3/4"	F-M20
PNAF2N2MXS	10-12	12-14,5	14,5-18	NPT - ISO Metric	M-3/4"	F-M25
PNAF23N23MXS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M25
PNAF23N34MXS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M32
PNAF34N23MXS	14-17	17-20	-	NPT - ISO Metric	M-1"	F-M25
PNAF3N3MXS	14-17	17-20	20-24	NPT - ISO Metric	M-1"	F-M32
PNAF34N34MXS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M32
PNAF34N45MXS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M40
PNAF45N34MXS	22-24	24-27	28	NPT - ISO Metric	M-1 ¼"	F-M32
PNAF4N4MXS	22-24	24-27	28-32	NPT - ISO Metric	M-1 ¼"	F-M40
PNAF45N45MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 ¼"	F-M40
PNAF45N56MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 ¼"	F-M50
PNAF56N45MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 ½"	F-M40
PNAF5N5MXS	26-28	28-31	31-35	NPT - ISO Metric	M-1 ½"	F-M50
PNAF56N56MXS	35-38	38-41	41-44	NPT - ISO Metric	M-1 ½"	F-M50
PNAF56N67MXS	35-38	38-41	41-44	NPT - ISO Metric	M-1 ½"	F-M63
PNAF67N56MXS	35-38	38-41	41-44	NPT - ISO Metric	M-2"	F-M50
PNAF6N6MXS	35-38	38-41	41-45	NPT - ISO Metric	M-2"	F-M63
PNAF67N67MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M63
PNAF67N78MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M75
PNAF78N67MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2 ½"	F-M63
PNAF7N7MXS	46-51	51-56	56-62	NPT - ISO Metric	M-2 ½"	F-M75
PNAF78N78MXS	60-65	65-69	-	NPT - ISO Metric	M-2 ½"	F-M75
PNAF78N810MXS	60-65	65-69	-	NPT - ISO Metric	M-2 ½"	F-M90
PNAF810N78MXS	60-65	65-69	-	NPT - ISO Metric	M-3"	F-M75
PNAF8N8MXS	60-65	65-70	70-75	NPT - ISO Metric	M-3"	F-M90
PNAF810N810MXS	75-78	78-81	81-82	NPT - ISO Metric	M-3"	F-M90
PNAF810N10MXS	75-78	78-81	81-82	NPT - ISO Metric	M-3"	F-M100
PNAF11N810MXS	75-78	78-81	81-82	NPT - ISO Metric	M-4"	F-M90
PNAF10N10MXS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M100
PNAF10N11MXS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M110
PNAF11N11MXS	85-88	88-91	91-95	NPT - ISO Metric	M-4"	F-M110

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request



**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAF**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0SN0SNBNS*	4-6	6-8	-	NPT - NPT	M-1/4"	F-1/4"
PNAF0SN01NBNS*	4-6	6-8	-	NPT - NPT	M-1/4"	F-3/8"
PNAF01N0SNBNS	4-6	6-8	-	NPT - NPT	M-3/8"	F-1/4"
PNAF01N01NBNS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-3/8"
PNAF01N12NBNS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-1/2"
PNAF12N01NBNS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-3/8"
PNAF1N1NBNS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-1/2"
PNAF12N12NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-1/2"
PNAF12N23NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-3/4"
PNAF23N12NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-3/4"	F-1/2"
PNAF2N2NBNS	10-12	12-14,5	14,5-18	NPT - NPT	M-3/4"	F-3/4"
PNAF23N23NBNS	14-17	17-20	-	NPT - NPT	M-3/4"	F-3/4"
PNAF23N34NBNS	14-17	17-20	-	NPT - NPT	M-3/4"	F-1"
PNAF34N23NBNS	14-17	17-20	-	NPT - NPT	M-1"	F-3/4"
PNAF3N3NBNS	14-17	17-20	20-24	NPT - NPT	M-1"	F-1"
PNAF34N34NBNS	22-24	24-27	28	NPT - NPT	M-1"	F-1"
PNAF34N45NBNS	22-24	24-27	28	NPT - NPT	M-1"	F-1 ¼"
PNAF45N34NBNS	22-24	24-27	28	NPT - NPT	M-1 ¼"	F-1"
PNAF4N4NBNS	22-24	24-27	28-32	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAF45N45NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAF45N56NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ½"
PNAF5N45NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ½"	F-1 ¼"
PNAF5N5NBNS	26-28	28-31	31-35	NPT - NPT	M-1 ½"	F-1 ½"
PNAF56N56NBNS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-1 ½"
PNAF56N67NBNS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-2"
PNAF67N56NBNS	35-38	38-41	41-44	NPT - NPT	M-2"	F-1 ½"
PNAF6N6NBNS	35-38	38-41	41-45	NPT - NPT	M-2"	F-2"
PNAF67N67NBNS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2"
PNAF67N78NBNS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2 ½"
PNAF78N67NBNS	46-48	48-52	52-56	NPT - NPT	M-2 ½"	F-2"
PNAF7N7NBNS	46-51	51-56	56-62	NPT - NPT	M-2 ½"	F-2 ½"
PNAF78N78NBNS	60-65	65-69	-	NPT - NPT	M-2 ½"	F-2 ½"
PNAF78N810NBNS	60-65	65-69	-	NPT - NPT	M-2 ½"	F-3"
PNAF810N78NBNS	60-65	65-69	-	NPT - NPT	M-3"	F-2 ½"
PNAF8N8NBNS	60-65	65-70	70-75	NPT - NPT	M-3"	F-3"
PNAF810N810NBNS	75-78	78-81	81-82	NPT - NPT	M-3"	F-3"
PNAF810N10NBNS	75-78	78-81	81-82	NPT - NPT	M-3"	F-4"
PNAF11N810NBNS	75-78	78-81	81-82	NPT - NPT	M-4"	F-3"
PNAF10N10NBNS	75-78	78-81	81-85	NPT - NPT	M-4"	F-4"
PNAF11N11NBNS	85-88	88-91	91-95	NPT - NPT	M-4"	F-4"

(\*) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAF



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAF0S0N0SNXS*	4-6	6-8	-	NPT - NPT	M-1/4"	F-1/4"
PNAF0S0N01NXS*	4-6	6-8	-	NPT - NPT	M-1/4"	F-3/8"
PNAF01N0SNXS	4-6	6-8	-	NPT - NPT	M-3/8"	F-1/4"
PNAF01N01NXS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-3/8"
PNAF01N12NXS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-1/2"
PNAF12N01NXS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-3/8"
PNAF1N1NXS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-1/2"
PNAF12N12NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-1/2"
PNAF12N23NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-3/4"
PNAF23N12NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-3/4"	F-1/2"
PNAF2N2NXS	10-12	12-14,5	14,5-18	NPT - NPT	M-3/4"	F-3/4"
PNAF23N23NXS	14-17	17-20	-	NPT - NPT	M-3/4"	F-3/4"
PNAF23N34NXS	14-17	17-20	-	NPT - NPT	M-3/4"	F-1"
PNAF34N23NXS	14-17	17-20	-	NPT - NPT	M-1"	F-3/4"
PNAF3N3NXS	14-17	17-20	20-24	NPT - NPT	M-1"	F-1"
PNAF34N34NXS	22-24	24-27	28	NPT - NPT	M-1"	F-1"
PNAF34N45NXS	22-24	24-27	28	NPT - NPT	M-1"	F-1 ¼"
PNAF45N34NXS	22-24	24-27	28	NPT - NPT	M-1 ¼"	F-1"
PNAF4N4NXS	22-24	24-27	28-32	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAF45N45NXS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAF45N56NXS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ½"
PNAF5N45NXS	26-28	28-31	31-34	NPT - NPT	M-1 ½"	F-1 ¼"
PNAF5N5NXS	26-28	28-31	31-35	NPT - NPT	M-1 ½"	F-1 ½"
PNAF56N56NXS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-1 ½"
PNAF56N67NXS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-2"
PNAF67N56NXS	35-38	38-41	41-44	NPT - NPT	M-2"	F-1 ½"
PNAF6N6NXS	35-38	38-41	41-45	NPT - NPT	M-2"	F-2"
PNAF67N67NXS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2"
PNAF67N78NXS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2 ½"
PNAF78N67NXS	46-48	48-52	52-56	NPT - NPT	M-2 ½"	F-2"
PNAF7N7NXS	46-51	51-56	56-62	NPT - NPT	M-2 ½"	F-2 ½"
PNAF78N78NXS	60-65	65-69	-	NPT - NPT	M-2 ½"	F-2 ½"
PNAF78N810NXS	60-65	65-69	-	NPT - NPT	M-2 ½"	F-3"
PNAF810N78NXS	60-65	65-69	-	NPT - NPT	M-3"	F-2 ½"
PNAF8N8NXS	60-65	65-70	70-75	NPT - NPT	M-3"	F-3"
PNAF810N810NXS	75-78	78-81	81-82	NPT - NPT	M-3"	F-3"
PNAF810N10NXS	75-78	78-81	81-82	NPT - NPT	M-3"	F-4"
PNAF11N810NXS	75-78	78-81	81-82	NPT - NPT	M-4"	F-3"
PNAF10N10NXS	75-78	78-81	81-85	NPT - NPT	M-4"	F-4"
PNAF11N11NXS	85-88	88-91	91-95	NPT - NPT	M-4"	F-4"

(\* ) Only Ex e / Ex tb execution (-60°C / +100°C with silicone sealing rings)

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAFS**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

 -60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

 -60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01M01MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M16	F-M16
PNAFS01M12MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M16	F-M20
PNAFS12M01MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M16
PNAFS1M1MBNS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M20
PNAFS12M12MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M20
PNAFS12M23MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M25
PNAFS23M12MBNS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M25	F-M20
PNAFS2M2MBNS	10-12	12-14,5	14,5-18	ISO Metric - ISO Metric	M-M25	F-M25
PNAFS23M23MBNS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M25
PNAFS23M34MBNS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M32
PNAFS34M23MBNS	14-17	17-20	-	ISO Metric - ISO Metric	M-M32	F-M25
PNAFS3M3MBNS	14-17	17-20	20-24	ISO Metric - ISO Metric	M-M32	F-M32
PNAFS34M34MBNS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M32
PNAFS34M45MBNS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M40
PNAFS45M34MBNS	22-24	24-27	28	ISO Metric - ISO Metric	M-M40	F-M32
PNAFS4M4MBNS	22-24	24-27	28-32	ISO Metric - ISO Metric	M-M40	F-M40
PNAFS45M45MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M40
PNAFS45M56MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M50
PNAFS56M45MBNS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M50	F-M40
PNAFS5M5MBNS	26-28	28-31	31-35	ISO Metric - ISO Metric	M-M50	F-M50
PNAFS56M56MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M50
PNAFS56M67MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M63
PNAFS67M56MBNS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M63	F-M50
PNAFS6M6MBNS	35-38	38-41	41-45	ISO Metric - ISO Metric	M-M63	F-M63
PNAFS67M67MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M63
PNAFS67M78MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M75
PNAFS78M67MBNS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M75	F-M63
PNAFS7M7MBNS	46-51	51-56	56-62	ISO Metric - ISO Metric	M-M75	F-M75
PNAFS78M78MBNS	60-65	65-70	-	ISO Metric - ISO Metric	M-M75	F-M75
PNAFS78M810MBNS	60-65	65-70	-	ISO Metric - ISO Metric	M-M75	F-M90
PNAFS810M78MBNS	60-65	65-70	-	ISO Metric - ISO Metric	M-M90	F-M75
PNAFS8M8MBNS	60-65	65-70	70-75	ISO Metric - ISO Metric	M-M90	F-M90
PNAFS810M810MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M90	F-M90
PNAFS810M10MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M90	F-M100
PNAFS10M810MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M90
PNAFS10M10MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M100
PNAFS10M11MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M110
PNAFS11M10MBNS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M110	F-M100
PNAFS11M11MBNS	85-88	88-91	91-95	ISO Metric - ISO Metric	M-M110	F-M110

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAFS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

-60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01M01MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M16	F-M16
PNAFS01M12MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M16	F-M20
PNAFS12M01MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M16
PNAFS1M1MXS	4-6	6-9	10-12	ISO Metric - ISO Metric	M-M20	F-M20
PNAFS12M12MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M20
PNAFS12M23MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M20	F-M25
PNAFS23M12MXS	10-12	12-14,5	14,5-16	ISO Metric - ISO Metric	M-M25	F-M20
PNAFS2M2MXS	10-12	12-14,5	14,5-18	ISO Metric - ISO Metric	M-M25	F-M25
PNAFS23M23MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M25
PNAFS23M34MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M25	F-M32
PNAFS34M23MXS	14-17	17-20	-	ISO Metric - ISO Metric	M-M32	F-M25
PNAFS3M3MXS	14-17	17-20	20-24	ISO Metric - ISO Metric	M-M32	F-M32
PNAFS34M34MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M32
PNAFS34M45MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M32	F-M40
PNAFS45M34MXS	22-24	24-27	28	ISO Metric - ISO Metric	M-M40	F-M32
PNAFS4M4MXS	22-24	24-27	28-32	ISO Metric - ISO Metric	M-M40	F-M40
PNAFS45M45MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M40
PNAFS45M56MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M40	F-M50
PNAFS56M45MXS	26-28	28-31	31-34	ISO Metric - ISO Metric	M-M50	F-M40
PNAFS5M5MXS	26-28	28-31	31-35	ISO Metric - ISO Metric	M-M50	F-M50
PNAFS56M56MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M50
PNAFS56M67MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M50	F-M63
PNAFS67M56MXS	35-38	38-41	41-44	ISO Metric - ISO Metric	M-M63	F-M50
PNAFS6M6MXS	35-38	38-41	41-45	ISO Metric - ISO Metric	M-M63	F-M63
PNAFS67M67MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M63
PNAFS67M78MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M63	F-M75
PNAFS78M67MXS	46-48	48-52	52-56	ISO Metric - ISO Metric	M-M75	F-M63
PNAFS7M7MXS	46-51	51-56	56-62	ISO Metric - ISO Metric	M-M75	F-M75
PNAFS78M78MXS	60-65	65-70	-	ISO Metric - ISO Metric	M-M75	F-M75
PNAFS78M810MXS	60-65	65-70	-	ISO Metric - ISO Metric	M-M75	F-M90
PNAFS810M78MXS	60-65	65-70	-	ISO Metric - ISO Metric	M-M90	F-M75
PNAFS8M8MXS	60-65	65-70	70-75	ISO Metric - ISO Metric	M-M90	F-M90
PNAFS810M810MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M90	F-M90
PNAFS810M10MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M90	F-M100
PNAFS10M810MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M90
PNAFS10M10MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M100
PNAFS10M11MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M100	F-M110
PNAFS11M10MXS	75-78	78-81	81-85	ISO Metric - ISO Metric	M-M110	F-M100
PNAFS11M11MXS	85-88	88-91	91-95	ISO Metric - ISO Metric	M-M110	F-M110

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAFS**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

 -60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

 -60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01M01NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-3/8"
PNAFS01M12NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-1/2"
PNAFS12M01NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-3/8"
PNAFS1M1NBNS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-1/2"
PNAFS12M12NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-1/2"
PNAFS12M23NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-3/4"
PNAFS23M12NBNS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M25	F-1/2"
PNAFS2M2NBNS	10-12	12-14,5	14,5-18	ISO Metric - NPT	M-M25	F-3/4"
PNAFS23M23NBNS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-3/4"
PNAFS23M34NBNS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-1"
PNAFS34M23NBNS	14-17	17-20	-	ISO Metric - NPT	M-M32	F-3/4"
PNAFS3M3NBNS	14-17	17-20	20-24	ISO Metric - NPT	M-M32	F-1"
PNAFS34M34NBNS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAFS34M45NBNS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1 ¼"
PNAFS45M34NBNS	22-24	24-27	28	ISO Metric - NPT	M-M40	F-1"
PNAFS4M4NBNS	22-24	24-27	28-32	ISO Metric - NPT	M-M40	F-1 ¼"
PNAFS45M45NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ¼"
PNAFS45M56NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ½"
PNAFS56M45NBNS	26-28	28-31	31-34	ISO Metric - NPT	M-M50	F-1 ¼"
PNAFS5M5NBNS	26-28	28-31	31-35	ISO Metric - NPT	M-M50	F-1 ½"
PNAFS56M56NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-1 ½"
PNAFS56M67NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-2"
PNAFS67M56NBNS	35-38	38-41	41-44	ISO Metric - NPT	M-M63	F-1 ½"
PNAFS6M6NBNS	35-38	38-41	41-45	ISO Metric - NPT	M-M63	F-2"
PNAFS67M67NBNS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2"
PNAFS67M78NBNS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2 ½"
PNAFS78M67NBNS	46-48	48-52	52-56	ISO Metric - NPT	M-M75	F-2"
PNAFS7M7NBNS	46-51	51-56	56-62	ISO Metric - NPT	M-M75	F-2 ½"
PNAFS78M78NBNS	60-65	65-70	-	ISO Metric - NPT	M-M75	F-2 ½"
PNAFS78M810NBNS	60-65	65-70	-	ISO Metric - NPT	M-M75	F-3"
PNAFS810M78NBNS	60-65	65-70	-	ISO Metric - NPT	M-M90	F-2 ½"
PNAFS8M8NBNS	60-65	65-70	70-75	ISO Metric - NPT	M-M90	F-3"
PNAFS810M810NBNS	75-78	78-81	81-85	ISO Metric - NPT	M-M90	F-3"
PNAFS810M10NBNS	75-78	78-81	81-85	ISO Metric - NPT	M-M90	F-4"
PNAFS10M810NBNS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-3"
PNAFS10M10NBNS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-4"
PNAFS11M11NBNS	85-88	88-91	91-95	ISO Metric - NPT	M-M110	F-4"

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAFS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

-60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01M01NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-3/8"
PNAFS01M12NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M16	F-1/2"
PNAFS12M01NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-3/8"
PNAFS1M1NXS	4-6	6-9	10-12	ISO Metric - NPT	M-M20	F-1/2"
PNAFS12M12NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-1/2"
PNAFS12M23NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M20	F-3/4"
PNAFS23M12NXS	10-12	12-14,5	14,5-16	ISO Metric - NPT	M-M25	F-1/2"
PNAFS2M2NXS	10-12	12-14,5	14,5-18	ISO Metric - NPT	M-M25	F-3/4"
PNAFS23M23NXS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-3/4"
PNAFS23M34NXS	14-17	17-20	-	ISO Metric - NPT	M-M25	F-1"
PNAFS34M23NXS	14-17	17-20	-	ISO Metric - NPT	M-M32	F-3/4"
PNAFS3M3NXS	14-17	17-20	20-24	ISO Metric - NPT	M-M32	F-1"
PNAFS34M34NXS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1"
PNAFS34M45NXS	22-24	24-27	28	ISO Metric - NPT	M-M32	F-1 ¼"
PNAFS45M34NXS	22-24	24-27	28	ISO Metric - NPT	M-M40	F-1"
PNAFS4M4NXS	22-24	24-27	28-32	ISO Metric - NPT	M-M40	F-1 ¼"
PNAFS45M45NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ¼"
PNAFS45M56NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M40	F-1 ½"
PNAFS56M45NXS	26-28	28-31	31-34	ISO Metric - NPT	M-M50	F-1 ¼"
PNAFS5M5NXS	26-28	28-31	31-35	ISO Metric - NPT	M-M50	F-1 ½"
PNAFS56M56NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-1 ½"
PNAFS56M67NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M50	F-2"
PNAFS67M56NXS	35-38	38-41	41-44	ISO Metric - NPT	M-M63	F-1 ½"
PNAFS6M6NXS	35-38	38-41	41-45	ISO Metric - NPT	M-M63	F-2"
PNAFS67M67NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2"
PNAFS67M78NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M63	F-2 ½"
PNAFS78M67NXS	46-48	48-52	52-56	ISO Metric - NPT	M-M75	F-2"
PNAFS7M7NXS	46-51	51-56	56-62	ISO Metric - NPT	M-M75	F-2 ½"
PNAFS78M78NXS	60-65	65-70	-	ISO Metric - NPT	M-M75	F-2 ½"
PNAFS78M810NXS	60-65	65-70	-	ISO Metric - NPT	M-M75	F-3"
PNAFS810M78NXS	60-65	65-70	-	ISO Metric - NPT	M-M90	F-2 ½"
PNAFS8M8NXS	60-65	65-70	70-75	ISO Metric - NPT	M-M90	F-3"
PNAFS810M810NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M90	F-3"
PNAFS810M10NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M90	F-4"
PNAFS10M810NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-3"
PNAFS10M10NXS	75-78	78-81	81-85	ISO Metric - NPT	M-M100	F-4"
PNAFS11M11NXS	85-88	88-91	91-95	ISO Metric - NPT	M-M110	F-4"

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAFS**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

-60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01N01MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M16
PNAFS01N12MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M20
PNAFS12N01MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M16
PNAFS1N1MBNS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M20
PNAFS12N12MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M20
PNAFS12N23MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M25
PNAFS23N12MBNS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-3/4"	F-M20
PNAFS2N2MBNS	10-12	12-14,5	14,5-18	NPT - ISO Metric	M-3/4"	F-M25
PNAFS23N23MBNS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M25
PNAFS23N34MBNS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M32
PNAFS34N23MBNS	14-17	17-20	-	NPT - ISO Metric	M-1"	F-M25
PNAFS3N3MBNS	14-17	17-20	20-24	NPT - ISO Metric	M-1"	F-M32
PNAFS34N34MBNS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M32
PNAFS34N45MBNS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M40
PNAFS45N34MBNS	22-24	24-27	28	NPT - ISO Metric	M-1 1/4"	F-M32
PNAFS4N4MBNS	22-24	24-27	28-32	NPT - ISO Metric	M-1 1/4"	F-M40
PNAFS45N45MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M40
PNAFS45N56MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M50
PNAFS56N45MBNS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/2"	F-M40
PNAFS5N5MBNS	26-28	28-31	31-35	NPT - ISO Metric	M-1 1/2"	F-M50
PNAFS56N56MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M50
PNAFS56N67MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M63
PNAFS67N56MBNS	35-38	38-41	41-44	NPT - ISO Metric	M-2"	F-M50
PNAFS6N6MBNS	35-38	38-41	41-45	NPT - ISO Metric	M-2"	F-M63
PNAFS67N67MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M63
PNAFS67N78MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M75
PNAFS78N67MBNS	46-48	48-52	52-56	NPT - ISO Metric	M-2 1/2"	F-M63
PNAFS7N7MBNS	46-51	51-56	56-62	NPT - ISO Metric	M-2 1/2"	F-M75
PNAFS78N78MBNS	60-65	65-70	-	NPT - ISO Metric	M-2 1/2"	F-M75
PNAFS78N810MBNS	60-65	65-70	-	NPT - ISO Metric	M-2 1/2"	F-M90
PNAFS810N78MBNS	60-65	65-70	-	NPT - ISO Metric	M-3"	F-M75
PNAFS8N8MBNS	60-65	65-70	70-75	NPT - ISO Metric	M-3"	F-M90
PNAFS810N810MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-3"	F-M90
PNAFS810N10MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-3"	F-M100
PNAFS11N810MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M90
PNAFS10N10MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M100
PNAFS10N11MBNS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M110
PNAFS11N11MBNS	85-88	88-91	91-95	NPT - ISO Metric	M-4"	F-M110

**Note:** Other threads are available on request



## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAFS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

-60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01N01MXS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M16
PNAFS01N12MXS	4-6	6-9	10-12	NPT - ISO Metric	M-3/8"	F-M20
PNAFS12N01MXS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M16
PNAFS1N1MXS	4-6	6-9	10-12	NPT - ISO Metric	M-1/2"	F-M20
PNAFS12N12MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M20
PNAFS12N23MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-1/2"	F-M25
PNAFS23N12MXS	10-12	12-14,5	14,5-16	NPT - ISO Metric	M-3/4"	F-M20
PNAFS2N2MXS	10-12	12-14,5	14,5-18	NPT - ISO Metric	M-3/4"	F-M25
PNAFS23N23MXS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M25
PNAFS23N34MXS	14-17	17-20	-	NPT - ISO Metric	M-3/4"	F-M32
PNAFS34N23MXS	14-17	17-20	-	NPT - ISO Metric	M-1"	F-M25
PNAFS3N3MXS	14-17	17-20	20-24	NPT - ISO Metric	M-1"	F-M32
PNAFS34N34MXS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M32
PNAFS34N45MXS	22-24	24-27	28	NPT - ISO Metric	M-1"	F-M40
PNAFS45N34MXS	22-24	24-27	28	NPT - ISO Metric	M-1 1/4"	F-M32
PNAFS4N4MXS	22-24	24-27	28-32	NPT - ISO Metric	M-1 1/4"	F-M40
PNAFS45N45MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M40
PNAFS45N56MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/4"	F-M50
PNAFS56N45MXS	26-28	28-31	31-34	NPT - ISO Metric	M-1 1/2"	F-M40
PNAFS5N5MXS	26-28	28-31	31-35	NPT - ISO Metric	M-1 1/2"	F-M50
PNAFS56N56MXS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M50
PNAFS56N67MXS	35-38	38-41	41-44	NPT - ISO Metric	M-1 1/2"	F-M63
PNAFS67N56MXS	35-38	38-41	41-44	NPT - ISO Metric	M-2"	F-M50
PNAFS6N6MXS	35-38	38-41	41-45	NPT - ISO Metric	M-2"	F-M63
PNAFS67N67MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M63
PNAFS67N78MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2"	F-M75
PNAFS78N67MXS	46-48	48-52	52-56	NPT - ISO Metric	M-2 1/2"	F-M63
PNAFS7N7MXS	46-51	51-56	56-62	NPT - ISO Metric	M-2 1/2"	F-M75
PNAFS78N78MXS	60-65	65-70	-	NPT - ISO Metric	M-2 1/2"	F-M75
PNAFS78N810MXS	60-65	65-70	-	NPT - ISO Metric	M-2 1/2"	F-M90
PNAFS810N78MXS	60-65	65-70	-	NPT - ISO Metric	M-3"	F-M75
PNAFS8N8MXS	60-65	65-70	70-75	NPT - ISO Metric	M-3"	F-M90
PNAFS810N810MXS	75-78	78-81	81-85	NPT - ISO Metric	M-3"	F-M90
PNAFS810N10MXS	75-78	78-81	81-85	NPT - ISO Metric	M-3"	F-M100
PNAFS11N810MXS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M90
PNAFS10N10MXS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M100
PNAFS10N11MXS	75-78	78-81	81-85	NPT - ISO Metric	M-4"	F-M110
PNAFS11N11MXS	85-88	88-91	91-95	NPT - ISO Metric	M-4"	F-M110

**Note:** Other threads are available on request

**Single seal cable glands for unarmoured cables  
with rigid conduit connection series PNAFS**

**Execution:**

 Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

 -60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

 -60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	NICKEL PLATED BRASS					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01N01NBNS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-3/8"
PNAFS01N12NBNS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-1/2"
PNAFS12N01NBNS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-3/8"
PNAFS1N1NBNS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-1/2"
PNAFS12N12NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-1/2"
PNAFS12N23NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-3/4"
PNAFS23N12NBNS	10-12	12-14,5	14,5-16	NPT - NPT	M-3/4"	F-1/2"
PNAFS2N2NBNS	10-12	12-14,5	14,5-18	NPT - NPT	M-3/4"	F-3/4"
PNAFS23N23NBNS	14-17	17-20	-	NPT - NPT	M-3/4"	F-3/4"
PNAFS23N34NBNS	14-17	17-20	-	NPT - NPT	M-3/4"	F-1"
PNAFS34N23NBNS	14-17	17-20	-	NPT - NPT	M-1"	F-3/4"
PNAFS3N3NBNS	14-17	17-20	20-24	NPT - NPT	M-1"	F-1"
PNAFS34N34NBNS	22-24	24-27	28	NPT - NPT	M-1"	F-1"
PNAFS34N45NBNS	22-24	24-27	28	NPT - NPT	M-1"	F-1 ¼"
PNAFS45N34NBNS	22-24	24-27	28	NPT - NPT	M-1 ¼"	F-1"
PNAFS4N4NBNS	22-24	24-27	28-32	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAFS45N45NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAFS45N56NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ½"
PNAFS56N45NBNS	26-28	28-31	31-34	NPT - NPT	M-1 ½"	F-1 ¼"
PNAFS5N5NBNS	26-28	28-31	31-35	NPT - NPT	M-1 ½"	F-1 ½"
PNAFS56N56NBNS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-1 ½"
PNAFS56N67NBNS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-2
PNAFS67N56NBNS	35-38	38-41	41-44	NPT - NPT	M-2"	F-1 ½"
PNAFS6N6NBNS	35-38	38-41	41-45	NPT - NPT	M-2"	F-2"
PNAFS67N67NBNS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2"
PNAFS67N78NBNS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2 ½"
PNAFS78N67NBNS	46-48	48-52	52-56	NPT - NPT	M-2 ½"	F-2"
PNAFS7N7NBNS	46-51	51-56	56-62	NPT - NPT	M-2 ½"	F-2 ½"
PNAFS78N78NBNS	60-65	65-70	-	NPT - NPT	M-2 ½"	F-2 ½"
PNAFS78N810NBNS	60-65	65-70	-	NPT - NPT	M-2 ½"	F-3"
PNAFS810N78NBNS	60-65	65-70	-	NPT - NPT	M-3"	F-2 ½"
PNAFS8N8NBNS	60-65	65-70	70-75	NPT - NPT	M-3"	F-3"
PNAFS810N810NBNS	75-78	78-81	81-85	NPT - NPT	M-3"	F-3"
PNAFS810N10NBNS	75-78	78-81	81-85	NPT - NPT	M-3"	F-4"
PNAFS11N810NBNS	75-78	78-81	81-85	NPT - NPT	M-4"	F-3"
PNAFS10N10NBNS	75-78	78-81	81-85	NPT - NPT	M-4"	F-4"
PNAFS11N11NBNS	85-88	88-91	91-95	NPT - NPT	M-4"	F-4"

**Note:** Other threads are available on request

## Single seal cable glands for unarmoured cables with rigid conduit connection series PNAFS



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +80°C with silicone sealing rings  
(Ex d - Ex e - Ex tb)

-60°C / +100°C with silicone sealing rings  
(Ex e - Ex tb)

CODE	STAINLESS STEEL					
	CLAMPING RANGE			THREAD TYPE	SIZE	
PNAFS01N01NXS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-3/8"
PNAFS01N12NXS	4-6	6-9	10-12	NPT - NPT	M-3/8"	F-1/2"
PNAFS12N01NXS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-3/8"
PNAFS1N1NXS	4-6	6-9	10-12	NPT - NPT	M-1/2"	F-1/2"
PNAFS12N12NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-1/2"
PNAFS12N23NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-1/2"	F-3/4"
PNAFS23N12NXS	10-12	12-14,5	14,5-16	NPT - NPT	M-3/4"	F-1/2"
PNAFS2N2NXS	10-12	12-14,5	14,5-18	NPT - NPT	M-3/4"	F-3/4"
PNAFS23N23NXS	14-17	17-20	-	NPT - NPT	M-3/4"	F-3/4"
PNAFS23N34NXS	14-17	17-20	-	NPT - NPT	M-3/4"	F-1"
PNAFS34N23NXS	14-17	17-20	-	NPT - NPT	M-1"	F-3/4"
PNAFS3N3NXS	14-17	17-20	20-24	NPT - NPT	M-1"	F-1"
PNAFS34N34NXS	22-24	24-27	28	NPT - NPT	M-1"	F-1"
PNAFS34N45NXS	22-24	24-27	28	NPT - NPT	M-1"	F-1 ¼"
PNAFS45N34NXS	22-24	24-27	28	NPT - NPT	M-1 ¼"	F-1"
PNAFS4N4NXS	22-24	24-27	28-32	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAFS45N45NXS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ¼"
PNAFS45N56NXS	26-28	28-31	31-34	NPT - NPT	M-1 ¼"	F-1 ½"
PNAFS56N45NXS	26-28	28-31	31-34	NPT - NPT	M-1 ½"	F-1 ¼"
PNAFS5N5NXS	26-28	28-31	31-35	NPT - NPT	M-1 ½"	F-1 ½"
PNAFS56N56NXS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-1 ½"
PNAFS56N67NXS	35-38	38-41	41-44	NPT - NPT	M-1 ½"	F-2
PNAFS67N56NXS	35-38	38-41	41-44	NPT - NPT	M-2"	F-1 ½"
PNAFS6N6NXS	35-38	38-41	41-45	NPT - NPT	M-2"	F-2"
PNAFS67N67NXS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2"
PNAFS67N78NXS	46-48	48-52	52-56	NPT - NPT	M-2"	F-2 ½"
PNAFS78N67NXS	46-48	48-52	52-56	NPT - NPT	M-2 ½"	F-2"
PNAFS7N7NXS	46-51	51-56	56-62	NPT - NPT	M-2 ½"	F-2 ½"
PNAFS78N78NXS	60-65	65-70	-	NPT - NPT	M-2 ½"	F-2 ½"
PNAFS78N810NXS	60-65	65-70	-	NPT - NPT	M-2 ½"	F-3"
PNAFS810N78NXS	60-65	65-70	-	NPT - NPT	M-3"	F-2 ½"
PNAFS8N8NXS	60-65	65-70	70-75	NPT - NPT	M-3"	F-3"
PNAFS810N810NXS	75-78	78-81	81-85	NPT - NPT	M-3"	F-3"
PNAFS810N10NXS	75-78	78-81	81-85	NPT - NPT	M-3"	F-4"
PNAFS11N810NXS	75-78	78-81	81-85	NPT - NPT	M-4"	F-3"
PNAFS10N10NXS	75-78	78-81	81-85	NPT - NPT	M-4"	F-4"
PNAFS11N11NXS	85-88	88-91	91-95	NPT - NPT	M-4"	F-4"

**Note:** Other threads are available on request



**Execution:**  
Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-60°C / +80°C with silicone sealing rings

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	A	B	THREAD TYPE	SIZE
PNAE1MF1BNS	6,7	12,7	ISO Metric - ISO Metric	M20
PNAE1MF2BNS	6,3	10,8	ISO Metric - ISO Metric	M20

CODE	STAINLESS STEEL			
	A	B	THREAD TYPE	SIZE
PNAE1MF1XS	6,7	12,7	ISO Metric - ISO Metric	M20
PNAE1MF2XS	6,3	10,8	ISO Metric - ISO Metric	M20

CODE	NICKEL PLATED BRASS			
	A	B	THREAD TYPE	SIZE
PNAE1NF1BNS	6,7	12,7	NPT	M20
PNAE1NF2BNS	6,3	10,8	NPT	M20

CODE	STAINLESS STEEL			
	A	B	THREAD TYPE	SIZE
PNAE1NF1XS	6,7	12,7	NPT	M20
PNAE1NF2XS	6,3	10,8	NPT	M20

**Note:** Other threads are available on request

Single seals barrier cable glands for unarmoured cables



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing rings  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS		
	INT	THREAD TYPE	SIZE
05.07.05.15.05.00000	5,5-13	ISO 7/1	1/2"
05.07.05.15.05.00001	10.5-18	ISO 7/1	3/4"
05.07.05.15.05.00002	15-24	ISO 7/1	1"
05.07.05.15.05.00003	21-30	ISO 7/1	1 ¼"
05.07.05.15.05.00004	24-36	ISO 7/1	1 ½"
05.07.05.15.05.00005	36-45	ISO 7/1	2"
05.07.05.15.05.00006	45-54	ISO 7/1	2 ½"
05.07.05.15.05.00007	54-68	ISO 7/1	3"

CODE	STAINLESS STEEL		
	INT	THREAD TYPE	SIZE
05.07.05.03.05.00000	5,5-13	ISO 7/1	1/2"
05.07.05.03.05.00001	10.5-18	ISO 7/1	3/4"
05.07.05.03.05.00002	15-24	ISO 7/1	1"
05.07.05.03.05.00003	21-30	ISO 7/1	1 ¼"
05.07.05.03.05.00004	24-36	ISO 7/1	1 ½"
05.07.05.03.05.00005	36-45	ISO 7/1	2"
05.07.05.03.05.00006	45-54	ISO 7/1	2 ½"
05.07.05.03.05.00007	54-68	ISO 7/1	3"

**Note:** Other threads are available on request



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-40°C / +90°C with EPDM sealing rings  
-60°C / +180°C with silicone sealing ring

CODE	NICKEL PLATED BRASS		
	INT	THREAD TYPE	SIZE
05.07.04.15.05.00000	5,5-13	ISO 228	1/2"
05.07.04.15.05.00001	10,5-18	ISO 228	3/4"
05.07.04.15.05.00002	15-24	ISO 228	1"
05.07.04.15.05.00003	21-30	ISO 228	1 ¼"
05.07.04.15.05.00004	24-36	ISO 228	1 ½"
05.07.04.15.05.00005	36-45	ISO 228	2"
05.07.04.15.05.00006	45-54	ISO 228	2 ½"
05.07.04.15.05.00007	54-68	ISO 228	3"

CODE	STAINLESS STEEL		
	INT	THREAD TYPE	SIZE
05.07.04.03.05.00000	5,5-13	ISO 228	1/2"
05.07.04.03.05.00001	10,5-18	ISO 228	3/4"
05.07.04.03.05.00002	15-24	ISO 228	1"
05.07.04.03.05.00003	21-30	ISO 228	1 ¼"
05.07.04.03.05.00004	24-36	ISO 228	1 ½"
05.07.04.03.05.00005	36-45	ISO 228	2"
05.07.04.03.05.00006	45-54	ISO 228	2 ½"
05.07.04.03.05.00007	54-68	ISO 228	3"



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing rings  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS		
	INT	THREAD TYPE	SIZE
05.07.01.15.05.00000	5,5-13	ISO Metrica / Metric	M20x1.5
05.07.01.15.05.00001	10.5-18	ISO Metrica / Metric	M25x1.5
05.07.01.15.05.00002	15-24	ISO Metrica / Metric	M32x1.5
05.07.01.15.05.00003	21-30	ISO Metrica / Metric	M40x1.5
05.07.01.15.05.00004	24-36	ISO Metrica / Metric	M50x1.5
05.07.01.15.05.00005	36-45	ISO Metrica / Metric	M63x1.5
05.07.01.15.05.00006	45-54	ISO Metrica / Metric	M75x1.5
05.07.01.15.05.00007	54-68	ISO Metrica / Metric	M90x1.5

CODE	STAINLESS STEEL		
	INT	THREAD TYPE	SIZE
05.07.01.03.05.00000	5,5-13	ISO Metrica / Metric	M20x1.5
05.07.01.03.05.00001	10.5-18	ISO Metrica / Metric	M25x1.5
05.07.01.03.05.00002	15-24	ISO Metrica / Metric	M32x1.5
05.07.01.03.05.00003	21-30	ISO Metrica / Metric	M40x1.5
05.07.01.03.05.00004	24-36	ISO Metrica / Metric	M50x1.5
05.07.01.03.05.00005	36-45	ISO Metrica / Metric	M63x1.5
05.07.01.03.05.00006	45-54	ISO Metrica / Metric	M75x1.5
05.07.01.03.05.00007	54-68	ISO Metrica / Metric	M90x1.5





**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing rings  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS		
	INT	THREAD TYPE	SIZE
05.07.02.15.05.00000	5,5-13	NPT	1/2"
05.07.02.15.05.00001	10,5-18	NPT	3/4"
05.07.02.15.05.00002	15-24	NPT	1"
05.07.02.15.05.00003	21-30	NPT	1 ¼"
05.07.02.15.05.00004	24-36	NPT	1 ½"
05.07.02.15.05.00005	36-45	NPT	2"
05.07.02.15.05.00006	45-54	NPT	2 ½"
05.07.02.15.05.00007	54-68	NPT	3"

CODE	STAINLESS STEEL		
	INT	THREAD TYPE	SIZE
05.07.02.03.05.00000	5,5-13	NPT	1/2"
05.07.02.03.05.00001	10,5-18	NPT	3/4"
05.07.02.03.05.00002	15-24	NPT	1"
05.07.02.03.05.00003	21-30	NPT	1 ¼"
05.07.02.03.05.00004	24-36	NPT	1 ½"
05.07.02.03.05.00005	36-45	NPT	2"
05.07.02.03.05.00006	45-54	NPT	2 ½"
05.07.02.03.05.00007	54-68	NPT	3"

Single seals barrier cable glands for unarmoured cables



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing rings  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS		
	INT	THREAD TYPE	SIZE
05.07.03.15.05.00000	5,5-13	UNI 6125	1/2"
05.07.03.15.05.00001	10.5-18	UNI 6125	3/4"
05.07.03.15.05.00002	15-24	UNI 6125	1"
05.07.03.15.05.00003	21-30	UNI 6125	1 ¼"
05.07.03.15.05.00004	24-36	UNI 6125	1 ½"
05.07.03.15.05.00005	36-45	UNI 6125	2"
05.07.03.15.05.00006	45-54	UNI 6125	2 ½"
05.07.03.15.05.00007	54-68	UNI 6125	3"

CODE	STAINLESS STEEL		
	INT	THREAD TYPE	SIZE
05.07.03.03.05.00000	5,5-13	UNI 6125	1/2"
05.07.03.03.05.00001	10.5-18	UNI 6125	3/4"
05.07.03.03.05.00002	15-24	UNI 6125	1"
05.07.03.03.05.00003	21-30	UNI 6125	1 ¼"
05.07.03.03.05.00004	24-36	UNI 6125	1 ½"
05.07.03.03.05.00005	36-45	UNI 6125	2"
05.07.03.03.05.00006	45-54	UNI 6125	2 ½"
05.07.03.03.05.00007	54-68	UNI 6125	3"

**Double seals cable glands for armoured cables  
(suitable for SWA - AWA) series PAP**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP01SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAP01MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAP1SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAP1MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAP1LMBNS	8,5-14,5	12,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAP2XSMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAP2SMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAP2MBNS	8,5-16,0	12,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAP2LMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAP3XSMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAP3SMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAP3MBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAP4XSMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAP4SMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAP4MBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAP5XSMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAP5XMMBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAP5SMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAP5MBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAP6XSMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAP6XMMBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAP6SMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAP6MBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAP6LMBNS	45,0-56,0	54,0-70,0	ISO Metric - ISO Metric	M63x1,6
PAP7XSMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAP7SMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAP7MBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAP8XSMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAP8SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAP8MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAP10SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAP10MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request

Double seals cable glands for armoured cables  
(suitable for SWA - AWA) series PAP



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP01SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAP01MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAP1SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAP1MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAP1LMXS	8,5-14,5	12,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAP2XSMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAP2SMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAP2MXS	8,5-16,0	12,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAP2LMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAP3XSMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAP3SMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAP3MXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAP4XSMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAP4SMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAP4MXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAP5XSMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAP5XMMXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAP5SMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAP5MXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAP6XSMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAP6XMMXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAP6SMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAP6MXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAP6LMXS	45,0-56,0	54,0-70,0	ISO Metric - ISO Metric	M63x1,6
PAP7XSMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAP7SMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAP7MXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAP8XSMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAP8SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAP8MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAP10SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAP10MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request

**Double seals cable glands for armoured cables  
(suitable for SWA - AWA) series PAP**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP01SNBNS	3,0-8,5	6,0-12,0	NPT	3/8"
PAP01NBNS	6,0-12,0	8,5-16,0	NPT	3/8"
PAP1SNBNS	3,0-8,5	6,0-12,0	NPT	1/2"
PAP1NBNS	6,0-12,0	8,5-16,0	NPT	1/2"
PAP1LNBNS	12,0-14,5	16,0-20,0	NPT	1/2"
PAP2XSNBNS	3,0-8,5	6,0-12,0	NPT	3/4"
PAP2SNBNS	6,0-12,0	8,5-16,0	NPT	3/4"
PAP2NBNS	12,0-16,0	16,0-21,0	NPT	3/4"
PAP2LNBNS	12,0-20,0	16,0-26,0	NPT	3/4"
PAP3XSNBNS	6,0-12,0	8,5-16,0	NPT	1"
PAP3SNBNS	12,0-20,0	16,0-26,0	NPT	1"
PAP3NBNS	15,0-26,0	20,0-33,0	NPT	1"
PAP4XSNBNS	12,0-20,0	16,0-26,0	NPT	1 ¼"
PAP4SNBNS	15,0-26,0	20,0-33,0	NPT	1 ¼"
PAP4NBNS	20,0-32,0	29,0-41,0	NPT	1 ¼"
PAP5XSNBNS	15,0-26,0	20,0-33,0	NPT	1 ½"
PAP5XMNBNS	20,0-32,0	29,0-41,0	NPT	1 ½"
PAP5SNBNS	22,0-35,0	33,0-48,0	NPT	1 ½"
PAP5NBNS	27,0-41,0	36,0-52,0	NPT	1 ½"
PAP6XSNBNS	22,0-35,0	33,0-48,0	NPT	2"
PAP6XMNBNS	27,0-41,0	36,0-52,0	NPT	2"
PAP6SNBNS	35,0-45,0	43,0-57,0	NPT	2"
PAP6NBNS	40,0-52,0	47,0-60,0	NPT	2"
PAP7XSNBNS	35,0-45,0	43,0-57,0	NPT	2 ½"
PAP7SNBNS	40,0-52,0	47,0-60,0	NPT	2 ½"
PAP7NBNS	45,0-60,0	54,0-70,0	NPT	2 ½"
PAP8XSNBNS	40,0-52,0	47,0-60,0	NPT	3"
PAP8SNBNS	45,0-60,0	54,0-70,0	NPT	3"
PAP8NBNS	60,0-72,0	63,0-80,0	NPT	3"
PAP9SNBNS	45,0-60,0	54,0-70,0	NPT	3 ½"
PAP9NBNS	60,0-72,0	63,0-80,0	NPT	3 ½"

**Note:** Other threads are available on request

## Double seals cable glands for armoured cables (suitable for SWA - AWA) series PAP



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP01SNXS	3,0-8,5	6,0-12,0	NPT	3/8"
PAP01NXS	6,0-12,0	8,5-16,0	NPT	3/8"
PAP1SNXS	3,0-8,5	6,0-12,0	NPT	1/2"
PAP1NXS	6,0-12,0	8,5-16,0	NPT	1/2"
PAP1LNXS	12,0-14,5	16,0-20,0	NPT	1/2"
PAP2XSNXS	3,0-8,5	6,0-12,0	NPT	3/4"
PAP2SNXS	6,0-12,0	8,5-16,0	NPT	3/4"
PAP2NXS	12,0-16,0	16,0-21,0	NPT	3/4"
PAP2LNXS	12,0-20,0	16,0-26,0	NPT	3/4"
PAP3XSNXS	6,0-12,0	8,5-16,0	NPT	1"
PAP3SNXS	12,0-20,0	16,0-26,0	NPT	1"
PAP3NXS	15,0-26,0	20,0-33,0	NPT	1"
PAP4XSNXS	12,0-20,0	16,0-26,0	NPT	1 ¼"
PAP4SNXS	15,0-26,0	20,0-33,0	NPT	1 ¼"
PAP4NXS	20,0-32,0	29,0-41,0	NPT	1 ¼"
PAP5XSNXS	15,0-26,0	20,0-33,0	NPT	1 ½"
PAP5XMNXS	20,0-32,0	29,0-41,0	NPT	1 ½"
PAP5SNXS	22,0-35,0	33,0-48,0	NPT	1 ½"
PAP5NXS	27,0-41,0	36,0-52,0	NPT	1 ½"
PAP6XSNXS	22,0-35,0	33,0-48,0	NPT	2"
PAP6XMNXS	27,0-41,0	36,0-52,0	NPT	2"
PAP6SNXS	35,0-45,0	43,0-57,0	NPT	2"
PAP6NXS	40,0-52,0	47,0-60,0	NPT	2"
PAP7XSNXS	35,0-45,0	43,0-57,0	NPT	2 ½"
PAP7SNXS	40,0-52,0	47,0-60,0	NPT	2 ½"
PAP7NXS	45,0-60,0	54,0-70,0	NPT	2 ½"
PAP8XSNXS	40,0-52,0	47,0-60,0	NPT	3"
PAP8SNXS	45,0-60,0	54,0-70,0	NPT	3"
PAP8NXS	60,0-72,0	63,0-80,0	NPT	3"
PAP9SNXS	45,0-60,0	54,0-70,0	NPT	3 ½"
PAP9NXS	60,0-72,0	63,0-80,0	NPT	3 ½"

**Note:** Other threads are available on request

### Double seal cable glands for armoured cables (suitable for SWA-SWB-STA-Shielded-PWA-AWA) series PAPU


**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAPU01SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAPU01MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAPU1SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAPU1MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAPU1LMBNS	8,5-14,5	16,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAPU2XSMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAPU2SMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAPU2MBNS	12,0-16,0	16,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAPU2LMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAPU3XSMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAPU3SMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAPU3MBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAPU4XSMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAPU4SMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAPU4MBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAPU5XSMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAPU5XMMBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAPU5SMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAPU5MBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAPU6XSMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAPU6XMMBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAPU6SMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAPU6MBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAPU7XSMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAPU7SMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAPU7MBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAPU8XSMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAPU8SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAPU8MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAPU10SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAPU10MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request



Double seal cable glands for armoured cables  
(suitable for SWA-SWB-STA-Shielded-PWA-AWA) series PAPU



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAPU01SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAPU01MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAPU1SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAPU1MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAPU1LMXS	8,5-14,5	16,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAPU2XSMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAPU2SMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAPU2MXS	12,0-16,0	16,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAPU2LMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAPU3XSMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAPU3SMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAPU3MXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAPU4XSMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAPU4SMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAPU4MXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAPU5XSMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAPU5XMMXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAPU5SMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAPU5MXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAPU6XSMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAPU6XMMXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAPU6SMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAPU6MXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAPU7XSMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAPU7SMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAPU7MXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAPU8XSMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAPU8SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAPU8MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAPU10SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAPU10MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request

### Double seal cable glands for armoured cables (suitable for SWA-SWB-STA-Shielded-PWA-AWA) series PAPU


**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAPU01SNBNS	3,0-8,5	6,0-12,0	NPT	3/8"
PAPU01NBNS	6,0-12,0	8,5-16,0	NPT	3/8"
PAPU1SNBNS	3,0-8,5	6,0-12,0	NPT	1/2"
PAPU1NBNS	6,0-12,0	8,5-16,0	NPT	1/2"
PAPU1LNBNS	8,5-14,5	16,0-20,0	NPT	1/2"
PAPU2XSNBNS	3,0-8,5	6,0-12,0	NPT	3/4"
PAPU2SNBNS	6,0-12,0	8,5-16,0	NPT	3/4"
PAPU2NBNS	8,5-16,0	12,0-21,0	NPT	3/4"
PAPU2LNBNS	12,0-20,0	16,0-26,0	NPT	3/4"
PAPU3XSNBNS	6,0-12,0	8,5-16,0	NPT	1"
PAPU3SNBNS	12,0-20,0	16,0-26,0	NPT	1"
PAPU3NBNS	15,0-26,0	20,0-33,0	NPT	1"
PAPU4XSNBNS	12,0-20,0	16,0-26,0	NPT	1 1/4"
PAPU4SNBNS	15,0-26,0	20,0-33,0	NPT	1 1/4"
PAPU4NBNS	20,0-32,0	29,0-41,0	NPT	1 1/4"
PAPU5XSNBNS	15,0-26,0	20,0-33,0	NPT	1 1/2"
PAPU5XMNBNS	20,0-32,0	29,0-41,0	NPT	1 1/2"
PAPU5SNBNS	22,0-35,0	33,0-48,0	NPT	1 1/2"
PAPU5NBNS	27,0-41,0	36,0-52,0	NPT	1 1/2"
PAPU6XSNBNS	22,0-35,0	33,0-48,0	NPT	2"
PAPU6XMNBNS	27,0-41,0	36,0-52,0	NPT	2"
PAPU6SNBNS	35,0-45,0	43,0-57,0	NPT	2"
PAPU6NBNS	40,0-52,0	47,0-60,0	NPT	2"
PAPU7XSNBNS	35,0-45,0	43,0-57,0	NPT	2 1/2"
PAPU7SNBNS	40,0-52,0	47,0-60,0	NPT	2 1/2"
PAPU7NBNS	45,0-60,0	54,0-70,0	NPT	2 1/2"
PAPU8XSNBNS	40,0-52,0	47,0-60,0	NPT	3"
PAPU8SNBNS	45,0-60,0	54,0-70,0	NPT	3"
PAPU8NBNS	60,0-72,0	63,0-80,0	NPT	3"
PAPU9SNBNS	45,0-60,0	54,0-70,0	NPT	3 1/2"
PAPU9NBNS	60,0-72,0	63,0-80,0	NPT	3 1/2"

**Note:** Other threads are available on request

## Double seal cable glands for armoured cables (suitable for SWA-SWB-STA-Shielded-PWA-AWA) series PAPU



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAPU01SNXS	3,0-8,5	6,0-12,0	NPT	3/8"
PAPU01NXS	6,0-12,0	8,5-16,0	NPT	3/8"
PAPU1SNXS	3,0-8,5	6,0-12,0	NPT	1/2"
PAPU1NXS	6,0-12,0	8,5-16,0	NPT	1/2"
PAPU1LNXS	8,5-14,5	16,0-20,0	NPT	1/2"
PAPU2XSNXS	3,0-8,5	6,0-12,0	NPT	3/4"
PAPU2SNXS	6,0-12,0	8,5-16,0	NPT	3/4"
PAPU2NXS	8,5-16,0	12,0-21,0	NPT	3/4"
PAPU2LNXS	12,0-20,0	16,0-26,0	NPT	3/4"
PAPU3XSNXS	6,0-12,0	8,5-16,0	NPT	1"
PAPU3SNXS	12,0-20,0	16,0-26,0	NPT	1"
PAPU3NXS	15,0-26,0	20,0-33,0	NPT	1"
PAPU4XSNXS	12,0-20,0	16,0-26,0	NPT	1 ¼"
PAPU4SNXS	15,0-26,0	20,0-33,0	NPT	1 ¼"
PAPU4NXS	20,0-32,0	29,0-41,0	NPT	1 ¼"
PAPU5XSNXS	15,0-26,0	20,0-33,0	NPT	1 ½"
PAPU5XMNXS	20,0-32,0	29,0-41,0	NPT	1 ½"
PAPU5SNXS	22,0-35,0	33,0-48,0	NPT	1 ½"
PAPU5NXS	27,0-41,0	36,0-52,0	NPT	1 ½"
PAPU6XSNXS	22,0-35,0	33,0-48,0	NPT	2"
PAPU6XMNXS	27,0-41,0	36,0-52,0	NPT	2"
PAPU6SNXS	35,0-45,0	43,0-57,0	NPT	2"
PAPU6NXS	40,0-52,0	47,0-60,0	NPT	2"
PAPU7XSNXS	35,0-45,0	43,0-57,0	NPT	2 ½"
PAPU7SNXS	40,0-52,0	47,0-60,0	NPT	2 ½"
PAPU7NXS	45,0-60,0	54,0-70,0	NPT	2 ½"
PAPU8XSNXS	40,0-52,0	47,0-60,0	NPT	3"
PAPU8SNXS	45,0-60,0	54,0-70,0	NPT	3"
PAPU8NXS	60,0-72,0	63,0-80,0	NPT	3"
PAPU9SNXS	45,0-60,0	54,0-70,0	NPT	3 ½"
PAPU9NXS	60,0-72,0	63,0-80,0	NPT	3 ½"

**Note:** Other threads are available on request

**Double seal cable glands for armoured cables (suitable for SWB-STA-Shielded) series PAPO**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP001SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAP001MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAP01SMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAP01MBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAP01LMBNS	12,0-14,5	16,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAP02XSMBNS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAP02SMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAP02MBNS	12,0-16,0	16,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAP02LMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAP03XSMBNS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAP03SMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAP03MBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAP04XSMBNS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAP04SMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAP04MBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAP05XSMBNS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAP05XMMBNS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAP05SMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAP05MBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAP06XSMBNS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAP06XMMBNS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAP06SMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAP06MBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAP07XSMBNS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAP07SMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAP07MBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAP08XSMBNS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAP08SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAP08MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAP010SMBNS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAP010MBNS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request

Double seal cable glands for armoured cables (suitable for SWB-STA-Shielded) series PAPO



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP001SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M16x1,5
PAP001MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M16x1,5
PAP01SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M20x1,5
PAP01MXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M20x1,5
PAP01LMXS	12,0-14,5	16,0-20,0	ISO Metric - ISO Metric	M20x1,5
PAP02SMXS	3,0-8,5	6,0-12,0	ISO Metric - ISO Metric	M25x1,5
PAP02SMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M25x1,5
PAP02LMXS	12,0-16,0	16,0-21,0	ISO Metric - ISO Metric	M25x1,5
PAP02LMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M25x1,5
PAP03SMXS	6,0-12,0	8,5-16,0	ISO Metric - ISO Metric	M32x1,5
PAP03SMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M32x1,5
PAP03MXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M32x1,5
PAP04SMXS	12,0-20,0	16,0-26,0	ISO Metric - ISO Metric	M40x1,5
PAP04SMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M40x1,5
PAP04MXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M40x1,5
PAP05SMXS	15,0-26,0	20,0-33,0	ISO Metric - ISO Metric	M50x1,5
PAP05XMMXS	20,0-32,0	29,0-41,0	ISO Metric - ISO Metric	M50x1,5
PAP05SMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M50x1,5
PAP05MXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M50x1,5
PAP06SMXS	22,0-35,0	33,0-48,0	ISO Metric - ISO Metric	M63x1,5
PAP06XMMXS	27,0-41,0	36,0-52,0	ISO Metric - ISO Metric	M63x1,5
PAP06SMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M63x1,5
PAP06MXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M63x1,5
PAP07SMXS	35,0-45,0	43,0-57,0	ISO Metric - ISO Metric	M75x1,5
PAP07SMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M75x1,5
PAP07MXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M75x1,5
PAP08SMXS	40,0-52,0	47,0-60,0	ISO Metric - ISO Metric	M90x1,5
PAP08SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M90x1,5
PAP08MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M90x1,5
PAP010SMXS	45,0-60,0	54,0-70,0	ISO Metric - ISO Metric	M110x1,5
PAP010MXS	60,0-72,0	63,0-80,0	ISO Metric - ISO Metric	M110x1,5

**Note:** Other threads are available on request

**Double seal cable glands for armoured cables (suitable for SWB-STA-Shielded) series PAPO**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP001SNBNS	3,0-8,5	6,0-12,0	NPT	3/8"
PAP001NBNS	6,0-12,0	8,5-16,0	NPT	3/8"
PAP01SNBNS	3,0-8,5	6,0-12,0	NPT	1/2"
PAP01NBNS	6,0-12,0	8,5-16,0	NPT	1/2"
PAP01LNBNS	12,0-14,5	16,0-20,0	NPT	1/2"
PAP02XSNBNS	3,0-8,5	6,0-12,0	NPT	3/4"
PAP02SNBNS	6,0-12,0	8,5-16,0	NPT	3/4"
PAP02NBNS	12,0-16,0	16,0-21,0	NPT	3/4"
PAP02LNBNS	12,0-20,0	16,0-26,0	NPT	3/4"
PAP03XSNBNS	6,0-12,0	8,5-16,0	NPT	1"
PAP03SNBNS	12,0-20,0	16,0-26,0	NPT	1"
PAP03NBNS	15,0-26,0	20,0-33,0	NPT	1"
PAP04XSNBNS	12,0-20,0	16,0-26,0	NPT	1 ¼"
PAP04SNBNS	15,0-26,0	20,0-33,0	NPT	1 ¼"
PAP04NBNS	20,0-32,0	29,0-41,0	NPT	1 ¼"
PAP05XSNBNS	15,0-26,0	20,0-33,0	NPT	1 ½"
PAP05XMNBNS	20,0-32,0	29,0-41,0	NPT	1 ½"
PAP05SNBNS	22,0-35,0	33,0-48,0	NPT	1 ½"
PAP05NBNS	27,0-41,0	36,0-52,0	NPT	1 ½"
PAP06XSNBNS	22,0-35,0	33,0-48,0	NPT	2"
PAP06XMNBNS	27,0-41,0	36,0-52,0	NPT	2"
PAP06SNBNS	35,0-45,0	43,0-57,0	NPT	2"
PAP06NBNS	40,0-52,0	47,0-60,0	NPT	2"
PAP07XSNBNS	35,0-45,0	43,0-57,0	NPT	2 ½"
PAP07SNBNS	40,0-52,0	47,0-60,0	NPT	2 ½"
PAP07NBNS	45,0-60,0	54,0-70,0	NPT	2 ½"
PAP08XSNBNS	40,0-52,0	47,0-60,0	NPT	3"
PAP08SNBNS	45,0-60,0	54,0-70,0	NPT	3"
PAP08NBNS	60,0-72,0	63,0-80,0	NPT	3"
PAP09SNBNS	45,0-60,0	54,0-70,0	NPT	3 ½"
PAP09NBNS	60,0-72,0	63,0-80,0	NPT	3 ½"

**Note:** Other threads are available on request

Double seal cable glands for armoured cables (suitable for SWB-STA-Shielded) series PAPO



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +130°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
PAP001SNXS	3,0-8,5	6,0-12,0	NPT	3/8"
PAP001NXS	6,0-12,0	8,5-16,0	NPT	3/8"
PAP01SNXS	3,0-8,5	6,0-12,0	NPT	1/2"
PAP01NXS	6,0-12,0	8,5-16,0	NPT	1/2"
PAP01LNXS	12,0-14,5	16,0-20,0	NPT	1/2"
PAP02SNXS	3,0-8,5	6,0-12,0	NPT	3/4"
PAP02NXS	6,0-12,0	8,5-16,0	NPT	3/4"
PAP02LNXS	12,0-16,0	16,0-21,0	NPT	3/4"
PAP02LNXS	12,0-20,0	16,0-26,0	NPT	3/4"
PAP03SNXS	6,0-12,0	8,5-16,0	NPT	1"
PAP03SNXS	12,0-20,0	16,0-26,0	NPT	1"
PAP03NXS	15,0-26,0	20,0-33,0	NPT	1"
PAP04SNXS	12,0-20,0	16,0-26,0	NPT	1 ¼"
PAP04SNXS	15,0-26,0	20,0-33,0	NPT	1 ¼"
PAP04NXS	20,0-32,0	29,0-41,0	NPT	1 ¼"
PAP05SNXS	15,0-26,0	20,0-33,0	NPT	1 ½"
PAP05XMNXS	20,0-32,0	29,0-41,0	NPT	1 ½"
PAP05SNXS	22,0-35,0	33,0-48,0	NPT	1 ½"
PAP05NXS	27,0-41,0	36,0-52,0	NPT	1 ½"
PAP06SNXS	22,0-35,0	33,0-48,0	NPT	2"
PAP06XMNXS	27,0-41,0	36,0-52,0	NPT	2"
PAP06SNXS	35,0-45,0	43,0-57,0	NPT	2"
PAP06NXS	40,0-52,0	47,0-60,0	NPT	2"
PAP07SNXS	35,0-45,0	43,0-57,0	NPT	2 ½"
PAP07SNXS	40,0-52,0	47,0-60,0	NPT	2 ½"
PAP07NXS	45,0-60,0	54,0-70,0	NPT	2 ½"
PAP08SNXS	40,0-52,0	47,0-60,0	NPT	3"
PAP08SNXS	45,0-60,0	54,0-70,0	NPT	3"
PAP08NXS	60,0-72,0	63,0-80,0	NPT	3"
PAP09SNXS	45,0-60,0	54,0-70,0	NPT	3 ½"
PAP09NXS	60,0-72,0	63,0-80,0	NPT	3 ½"

**Note:** Other threads are available on request




**Execution:**

Ex II 2GD  
Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db

**Protection degree:**

IP66  
IP68 5 bar 30 min.

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +60°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel 316 L

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PAPR1SMBNS	6,0 - 13,0	9,5	ISO Metric	M20X1,5
PAPR1MBNS	8,0 - 15,0	9,5	ISO Metric	M20X1,5
PAPR1LMBNS	13,5 - 21,0	12,0	ISO Metric	M20X1,5
PAPR2SMBNS	8,0 - 15,0	9,5	ISO Metric	M25X1,5
PAPR2MBNS	13,5 - 21,0	12,0	ISO Metric	M25X1,5
PAPR2LMBNS	18,0 - 27,0	15,0	ISO Metric	M25X1,5
PAPR3MBNS	18,0 - 27,0	15,0	ISO Metric	M32X1,5
PAPR3LMBNS	23,0 - 33,0	21,5	ISO Metric	M32X1,5
PAPR4SMBNS	23,0 - 33,0	21,5	ISO Metric	M40X1,5
PAPR4MBNS	29,0 - 40,0	29,0	ISO Metric	M40X1,5
PAPR5SMBNS	29,0 - 40,0	29,0	ISO Metric	M50X1,5
PAPR5MBNS	35,0 - 48,0	37,0	ISO Metric	M50X1,5
PAPR6SMBNS	35,0 - 48,0	37,0	ISO Metric	M63X1,5
PAPR6MBNS	42,0 - 56,0	46,0	ISO Metric	M63X1,5
PAPR7SMBNS	42,0 - 56,0	46,0	ISO Metric	M75X1,5
PAPR7MBNS	54,0 - 70,0	58,0	ISO Metric	M75X1,5
PAPR8MBNS	54,0 - 70,0	58,0	ISO Metric	M90X1,5

CODE	STAINLESS STEEL 316 L			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PAPR1SMXS	6,0 - 13,0	9,5	ISO Metric	M20X1,5
PAPR1MXS	8,0 - 15,0	9,5	ISO Metric	M20X1,5
PAPR1LMXS	13,5 - 21,0	12,0	ISO Metric	M20X1,5
PAPR2SMXS	8,0 - 15,0	9,5	ISO Metric	M25X1,5
PAPR2MXS	13,5 - 21,0	12,0	ISO Metric	M25X1,5
PAPR2LMXS	18,0 - 27,0	15,0	ISO Metric	M25X1,5
PAPR3MXS	18,0 - 27,0	15,0	ISO Metric	M32X1,5
PAPR3LMXS	23,0 - 33,0	21,5	ISO Metric	M32X1,5
PAPR4SMXS	23,0 - 33,0	21,5	ISO Metric	M40X1,5
PAPR4MXS	29,0 - 40,0	29,0	ISO Metric	M40X1,5
PAPR5SMXS	29,0 - 40,0	29,0	ISO Metric	M50X1,5
PAPR5MXS	35,0 - 48,0	37,0	ISO Metric	M50X1,5
PAPR6SMXS	35,0 - 48,0	37,0	ISO Metric	M63X1,5
PAPR6MXS	42,0 - 56,0	46,0	ISO Metric	M63X1,5
PAPR7SMXS	42,0 - 56,0	46,0	ISO Metric	M75X1,5
PAPR7MXS	54,0 - 70,0	58,0	ISO Metric	M75X1,5
PAPR8MXS	54,0 - 70,0	58,0	ISO Metric	M90X1,5



**Execution:**

Ex II 2GD  
Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db

**Protection degree:**

IP66  
IP68 5 bar 30 min.

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +60°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel 316 L

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PAPR1SNBNS	6,0 - 13,0	9,5	NPT	NPT 1/2"
PAPR1NBNS	8,0 - 15,0	9,5	NPT	NPT 1/2"
PAPR1LNBNS	13,5 - 21,0	12,0	NPT	NPT 1/2"
PAPR2SNBNS	8,0 - 15,0	9,5	NPT	NPT 3/4"
PAPR2NBNS	13,5 - 21,0	12,0	NPT	NPT 3/4"
PAPR2LNBNS	18,0 - 27,0	15,0	NPT	NPT 3/4"
PAPR3NBNS	18,0 - 27,0	15,0	NPT	NPT 1"
PAPR3LNBNS	23,0 - 33,0	21,5	NPT	NPT 1"
PAPR4SNBNS	23,0 - 33,0	21,5	NPT	NPT 1 1/4"
PAPR4NBNS	29,0 - 40,0	29,0	NPT	NPT 1 1/4"
PAPR5NBNS	29,0 - 40,0	29,0	NPT	NPT 1 1/2"
PAPR6NBNS	35,0 - 48,0	37,0	NPT	NPT 2"
PAPR7NBNS	42,0 - 56,0	46,0	NPT	NPT 2 1/2"
PAPR8NBNS	54,0 - 70,0	58,0	NPT	NPT 3"

CODE	STAINLESS STEEL 316 L			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PAPR1SNXS	6,0 - 13,0	9,5	NPT	NPT 1/2"
PAPR1NXS	8,0 - 15,0	9,5	NPT	NPT 1/2"
PAPR1LNXS	13,5 - 21,0	12,0	NPT	NPT 1/2"
PAPR2SNXS	8,0 - 15,0	9,5	NPT	NPT 3/4"
PAPR2NXS	13,5 - 21,0	12,0	NPT	NPT 3/4"
PAPR2LNXS	18,0 - 27,0	15,0	NPT	NPT 3/4"
PAPR3NXS	18,0 - 27,0	15,0	NPT	NPT 1"
PAPR3LNXS	23,0 - 33,0	21,5	NPT	NPT 1"
PAPR4SNXS	23,0 - 33,0	21,5	NPT	NPT 1 1/4"
PAPR4NXS	29,0 - 40,0	29,0	NPT	NPT 1 1/4"
PAPR5NXS	29,0 - 40,0	29,0	NPT	NPT 1 1/2"
PAPR6NXS	35,0 - 48,0	37,0	NPT	NPT 2"
PAPR7NXS	42,0 - 56,0	46,0	NPT	NPT 2 1/2"
PAPR8NXS	54,0 - 70,0	58,0	NPT	NPT 3"


**Execution:**

Ex II 2GD  
Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel 316 L

**Protection degree:**

IP66  
IP68 5 bar 30 min.

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +60°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PNAR1SMBNS	6,0 - 13,0	9,5	ISO Metric	M20X1,5
PNAR1MBNS	8,0 - 15,0	9,5	ISO Metric	M20X1,5
PNAR1LMBNS	13,5 - 21,0	12,0	ISO Metric	M20X1,5
PNAR2SMBNS	8,0 - 15,0	9,5	ISO Metric	M25X1,5
PNAR2MBNS	13,5 - 21,0	12,0	ISO Metric	M25X1,5
PNAR2LMBNS	18,0 - 27,0	15,0	ISO Metric	M25X1,5
PNAR3MBNS	18,0 - 27,0	15,0	ISO Metric	M32X1,5
PNAR3LMBNS	23,0 - 33,0	21,5	ISO Metric	M32X1,5
PNAR4SMBNS	23,0 - 33,0	21,5	ISO Metric	M40X1,5
PNAR4MBNS	29,0 - 40,0	29,0	ISO Metric	M40X1,5
PNAR5SMBNS	29,0 - 40,0	29,0	ISO Metric	M50X1,5
PNAR5MBNS	35,0 - 48,0	37,0	ISO Metric	M50X1,5
PNAR6SMBNS	35,0 - 48,0	37,0	ISO Metric	M63X1,5
PNAR6MBNS	42,0 - 56,0	46,0	ISO Metric	M63X1,5
PNAR7SMBNS	42,0 - 56,0	46,0	ISO Metric	M75X1,5
PNAR7MBNS	54,0 - 70,0	58,0	ISO Metric	M75X1,5
PNAR8MBNS	54,0 - 70,0	58,0	ISO Metric	M90X1,5

CODE	STAINLESS STEEL 316 L			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PNAR1SMXS	6,0 - 13,0	9,5	ISO Metric	M20X1,5
PNAR1MXS	8,0 - 15,0	9,5	ISO Metric	M20X1,5
PNAR1LMXS	13,5 - 21,0	12,0	ISO Metric	M20X1,5
PNAR2SMXS	8,0 - 15,0	9,5	ISO Metric	M25X1,5
PNAR2MXS	13,5 - 21,0	12,0	ISO Metric	M25X1,5
PNAR2LMXS	18,0 - 27,0	15,0	ISO Metric	M25X1,5
PNAR3MXS	18,0 - 27,0	15,0	ISO Metric	M32X1,5
PNAR3LMXS	23,0 - 33,0	21,5	ISO Metric	M32X1,5
PNAR4SMXS	23,0 - 33,0	21,5	ISO Metric	M40X1,5
PNAR4MXS	29,0 - 40,0	29,0	ISO Metric	M40X1,5
PNAR5SMXS	29,0 - 40,0	29,0	ISO Metric	M50X1,5
PNAR5MXS	35,0 - 48,0	37,0	ISO Metric	M50X1,5
PNAR6SMXS	35,0 - 48,0	37,0	ISO Metric	M63X1,5
PNAR6MXS	42,0 - 56,0	46,0	ISO Metric	M63X1,5
PNAR7SMXS	42,0 - 56,0	46,0	ISO Metric	M75X1,5
PNAR7MXS	54,0 - 70,0	58,0	ISO Metric	M75X1,5
PNAR8MXS	54,0 - 70,0	58,0	ISO Metric	M90X1,5



**Execution:**

Ex II 2GD  
Ex db IIC Gb  
Ex eb IIC Gb  
Ex tb IIIC Db

**Protection degree:**

IP66  
IP68 5 bar 30 min.

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-60°C / +60°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel 316 L

CODE	NICKEL PLATED BRASS			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PNAR1SNBNS	6,0 - 13,0	9,5	NPT	NPT 1/2"
PNAR1NBNS	8,0 - 15,0	9,5	NPT	NPT 1/2"
PNAR1LNBNS	13,5 - 21,0	12,0	NPT	NPT 1/2"
PNAR2SNBNS	8,0 - 15,0	9,5	NPT	NPT 3/4"
PNAR2NBNS	13,5 - 21,0	12,0	NPT	NPT 3/4"
PNAR2LNBNS	18,0 - 27,0	15,0	NPT	NPT 3/4"
PNAR3NBNS	18,0 - 27,0	15,0	NPT	NPT 1"
PNAR3LNBNS	23,0 - 33,0	21,5	NPT	NPT 1"
PNAR4SNBNS	23,0 - 33,0	21,5	NPT	NPT 1 1/4"
PNAR4NBNS	29,0 - 40,0	29,0	NPT	NPT 1 1/4"
PNAR5NBNS	29,0 - 40,0	29,0	NPT	NPT 1 1/2"
PNAR6NBNS	35,0 - 48,0	37,0	NPT	NPT 2"
PNAR7NBNS	42,0 - 56,0	46,0	NPT	NPT 2 1/2"
PNAR8NBNS	54,0 - 70,0	58,0	NPT	NPT 3"

CODE	STAINLESS STEEL 316 L			
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	THREAD TYPE	SIZE
PNAR1SNXS	6,0 - 13,0	9,5	NPT	NPT 1/2"
PNAR1NXS	8,0 - 15,0	9,5	NPT	NPT 1/2"
PNAR1LNXS	13,5 - 21,0	12,0	NPT	NPT 1/2"
PNAR2SNXS	8,0 - 15,0	9,5	NPT	NPT 3/4"
PNAR2NXS	13,5 - 21,0	12,0	NPT	NPT 3/4"
PNAR2LNXS	18,0 - 27,0	15,0	NPT	NPT 3/4"
PNAR3NXS	18,0 - 27,0	15,0	NPT	NPT 1"
PNAR3LNXS	23,0 - 33,0	21,5	NPT	NPT 1"
PNAR4SNXS	23,0 - 33,0	21,5	NPT	NPT 1 1/4"
PNAR4NXS	29,0 - 40,0	29,0	NPT	NPT 1 1/4"
PNAR5NXS	29,0 - 40,0	29,0	NPT	NPT 1 1/2"
PNAR6NXS	35,0 - 48,0	37,0	NPT	NPT 2"
PNAR7NXS	42,0 - 56,0	46,0	NPT	NPT 2 1/2"
PNAR8NXS	54,0 - 70,0	58,0	NPT	NPT 3"


**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.05.15.05.00000	5,5-13	10-19	ISO 7/1	1/2"
05.08.05.15.05.00001	10,5-18	15-24	ISO 7/1	3/4"
05.08.05.15.05.00002	15-24	20-31	ISO 7/1	1"
05.08.05.15.05.00003	21-30	26-40	ISO 7/1	1 ¼"
05.08.05.15.05.00004	24-36	30-47	ISO 7/1	1 ½"
05.08.05.15.05.00005	36-45	42-56	ISO 7/1	2"
05.08.05.15.05.00006	45-54	52-67	ISO 7/1	2 ½"
05.08.05.15.05.00007	54-68	65-81	ISO 7/1	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.05.03.05.00000	5,5-13	10-19	ISO 7/1	1/2"
05.08.05.03.05.00001	10,5-18	15-24	ISO 7/1	3/4"
05.08.05.03.05.00002	15-24	20-31	ISO 7/1	1"
05.08.05.03.05.00003	21-30	26-40	ISO 7/1	1 ¼"
05.08.05.03.05.00004	24-36	30-47	ISO 7/1	1 ½"
05.08.05.03.05.00005	36-45	42-56	ISO 7/1	2"
05.08.05.03.05.00006	45-54	52-67	ISO 7/1	2 ½"
05.08.05.03.05.00007	54-68	65-81	ISO 7/1	3"

Double seals barrier cable glands for armoured cables



**Execution:**  
Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.04.15.05.00000	5,5-13	10-19	ISO 228	1/2"
05.08.04.15.05.00001	10.5-18	15-24	ISO 228	3/4"
05.08.04.15.05.00002	15-24	20-31	ISO 228	1"
05.08.04.15.05.00003	21-30	26-40	ISO 228	1 ¼"
05.08.04.15.05.00004	24-36	30-47	ISO 228	1 ½"
05.08.04.15.05.00005	36-45	42-56	ISO 228	2"
05.08.04.15.05.00006	45-54	52-67	ISO 228	2 ½"
05.08.04.15.05.00007	54-68	65-81	ISO 228	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.04.03.05.00000	5,5-13	10-19	ISO 228	1/2"
05.08.04.03.05.00001	10.5-18	15-24	ISO 228	3/4"
05.08.04.03.05.00002	15-24	20-31	ISO 228	1"
05.08.04.03.05.00003	21-30	26-40	ISO 228	1 ¼"
05.08.04.03.05.00004	24-36	30-47	ISO 228	1 ½"
05.08.04.03.05.00005	36-45	42-56	ISO 228	2"
05.08.04.03.05.00006	45-54	52-67	ISO 228	2 ½"
05.08.04.03.05.00007	54-68	65-81	ISO 228	3"


**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.01.15.05.00000	5,5-13	10-19	ISO Metric	M20x1.5
05.08.01.15.05.00001	10.5-18	15-24	ISO Metric	M25x1.5
05.08.01.15.05.00002	15-24	20-31	ISO Metric	M32x1.5
05.08.01.15.05.00003	21-30	26-40	ISO Metric	M40x1.5
05.08.01.15.05.00004	24-36	30-47	ISO Metric	M50x1.5
05.08.01.15.05.00005	36-45	42-56	ISO Metric	M63x1.5
05.08.01.15.05.00006	45-54	52-67	ISO Metric	M75x1.5
05.08.01.15.05.00007	54-68	65-81	ISO Metric	M90x1.5

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.01.03.05.00000	5,5-13	10-19	ISO Metric	M20x1.5
05.08.01.03.05.00001	10.5-18	15-24	ISO Metric	M25x1.5
05.08.01.03.05.00002	15-24	20-31	ISO Metric	M32x1.5
05.08.01.03.05.00003	21-30	26-40	ISO Metric	M40x1.5
05.08.01.03.05.00004	24-36	30-47	ISO Metric	M50x1.5
05.08.01.03.05.00005	36-45	42-56	ISO Metric	M63x1.5
05.08.01.03.05.00006	45-54	52-67	ISO Metric	M75x1.5
05.08.01.03.05.00007	54-68	65-81	ISO Metric	M90x1.5

Double seals barrier cable glands for armoured cables with lead sheath



**Execution:**  
Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.02.15.05.00000	5,5-13	10-19	NPT	1/2"
05.08.02.15.05.00001	10,5-18	15-24	NPT	3/4"
05.08.02.15.05.00002	15-24	20-31	NPT	1"
05.08.02.15.05.00003	21-30	26-40	NPT	1 ¼"
05.08.02.15.05.00004	24-36	30-47	NPT	1 ½"
05.08.02.15.05.00005	36-45	42-56	NPT	2"
05.08.02.15.05.00006	45-54	52-67	NPT	2 ½"
05.08.02.15.05.00007	54-68	65-81	NPT	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.02.03.05.00000	5,5-13	10-19	NPT	1/2"
05.08.02.03.05.00001	10,5-18	15-24	NPT	3/4"
05.08.02.03.05.00002	15-24	20-31	NPT	1"
05.08.02.03.05.00003	21-30	26-40	NPT	1 ¼"
05.08.02.03.05.00004	24-36	30-47	NPT	1 ½"
05.08.02.03.05.00005	36-45	42-56	NPT	2"
05.08.02.03.05.00006	45-54	52-67	NPT	2 ½"
05.08.02.03.05.00007	54-68	65-81	NPT	3"



**Double seals barrier cable glands for armoured cables with lead sheath**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.03.15.05.00000	5,5-13	10-19	UNI 6125	1/2"
05.08.03.15.05.00001	10,5-18	15-24	UNI 6125	3/4"
05.08.03.15.05.00002	15-24	20-31	UNI 6125	1"
05.08.03.15.05.00003	21-30	26-40	UNI 6125	1 ¼"
05.08.03.15.05.00004	24-36	30-47	UNI 6125	1 ½"
05.08.03.15.05.00005	36-45	42-56	UNI 6125	2"
05.08.03.15.05.00006	45-54	52-67	UNI 6125	2 ½"
05.08.03.15.05.00007	54-68	65-81	UNI 6125	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.08.03.03.05.00000	5,5-13	10-19	UNI 6125	1/2"
05.08.03.03.05.00001	10,5-18	15-24	UNI 6125	3/4"
05.08.03.03.05.00002	15-24	20-31	UNI 6125	1"
05.08.03.03.05.00003	21-30	26-40	UNI 6125	1 ¼"
05.08.03.03.05.00004	24-36	30-47	UNI 6125	1 ½"
05.08.03.03.05.00005	36-45	42-56	UNI 6125	2"
05.08.03.03.05.00006	45-54	52-67	UNI 6125	2 ½"
05.08.03.03.05.00007	54-68	65-81	UNI 6125	3"

Double seals barrier cable glands for armoured cables with lead sheath



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.05.15.05.00000	5,5-13	10-19	ISO 7/1	1/2"
05.09.05.15.05.00001	10,5-18	15-24	ISO 7/1	3/4"
05.09.05.15.05.00002	15-24	20-31	ISO 7/1	1"
05.09.05.15.05.00003	21-30	26-40	ISO 7/1	1 ¼"
05.09.05.15.05.00004	24-36	30-47	ISO 7/1	1 ½"
05.09.05.15.05.00005	36-45	42-56	ISO 7/1	2"
05.09.05.15.05.00006	45-54	52-67	ISO 7/1	2 ½"
05.09.05.15.05.00007	54-68	65-81	ISO 7/1	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.05.03.05.00000	5,5-13	10-19	ISO 7/1	1/2"
05.09.05.03.05.00001	10,5-18	15-24	ISO 7/1	3/4"
05.09.05.03.05.00002	15-24	20-31	ISO 7/1	1"
05.09.05.03.05.00003	21-30	26-40	ISO 7/1	1 ¼"
05.09.05.03.05.00004	24-36	30-47	ISO 7/1	1 ½"
05.09.05.03.05.00005	36-45	42-56	ISO 7/1	2"
05.09.05.03.05.00006	45-54	52-67	ISO 7/1	2 ½"
05.09.05.03.05.00007	54-68	65-81	ISO 7/1	3"

**Double seals barrier cable glands for armoured cables with lead sheath**

**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.04.15.05.00000	5,5-13	10-19	ISO 228	1/2"
05.09.04.15.05.00001	10,5-18	15-24	ISO 228	3/4"
05.09.04.15.05.00002	15-24	20-31	ISO 228	1"
05.09.04.15.05.00003	21-30	26-40	ISO 228	1 ¼"
05.09.04.15.05.00004	24-36	30-47	ISO 228	1 ½"
05.09.04.15.05.00005	36-45	42-56	ISO 228	2"
05.09.04.15.05.00006	45-54	52-67	ISO 228	2 ½"
05.09.04.15.05.00007	54-68	65-81	ISO 228	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.04.03.05.00000	5,5-13	10-19	ISO 228	1/2"
05.09.04.03.05.00001	10,5-18	15-24	ISO 228	3/4"
05.09.04.03.05.00002	15-24	20-31	ISO 228	1"
05.09.04.03.05.00003	21-30	26-40	ISO 228	1 ¼"
05.09.04.03.05.00004	24-36	30-47	ISO 228	1 ½"
05.09.04.03.05.00005	36-45	42-56	ISO 228	2"
05.09.04.03.05.00006	45-54	52-67	ISO 228	2 ½"
05.09.04.03.05.00007	54-68	65-81	ISO 228	3"

Double seals barrier cable glands for armoured cables with lead sheath



**Execution:**  
Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.01.15.05.00000	5,5-13	10-19	ISO Metric	M20x1.5
05.09.01.15.05.00001	10,5-18	15-24	ISO Metric	M25x1.5
05.09.01.15.05.00002	15-24	20-31	ISO Metric	M32x1.5
05.09.01.15.05.00003	21-30	26-40	ISO Metric	M40x1.5
05.09.01.15.05.00004	24-36	30-47	ISO Metric	M50x1.5
05.09.01.15.05.00005	36-45	42-56	ISO Metric	M63x1.5
05.09.01.15.05.00006	45-54	52-67	ISO Metric	M75x1.5
05.09.01.15.05.00007	54-68	65-81	ISO Metric	M90x1.5

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.01.03.05.00000	5,5-13	10-19	ISO Metric	M20x1.5
05.09.01.03.05.00001	10,5-18	15-24	ISO Metric	M25x1.5
05.09.01.03.05.00002	15-24	20-31	ISO Metric	M32x1.5
05.09.01.03.05.00003	21-30	26-40	ISO Metric	M40x1.5
05.09.01.03.05.00004	24-36	30-47	ISO Metric	M50x1.5
05.09.01.03.05.00005	36-45	42-56	ISO Metric	M63x1.5
05.09.01.03.05.00006	45-54	52-67	ISO Metric	M75x1.5
05.09.01.03.05.00007	54-68	65-81	ISO Metric	M90x1.5

Double seals barrier cable glands for armoured cables with lead sheath



**Execution:**

Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
Stainless steel

**Ambient temperature:**

-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.02.15.05.00000	5,5-13	10-19	NPT	1/2"
05.09.02.15.05.00001	10,5-18	15-24	NPT	3/4"
05.09.02.15.05.00002	15-24	20-31	NPT	1"
05.09.02.15.05.00003	21-30	26-40	NPT	1 ¼"
05.09.02.15.05.00004	24-36	30-47	NPT	1 ½"
05.09.02.15.05.00005	36-45	42-56	NPT	2"
05.09.02.15.05.00006	45-54	52-67	NPT	2 ½"
05.09.02.15.05.00007	54-68	65-81	NPT	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.02.03.05.00000	5,5-13	10-19	NPT	1/2"
05.09.02.03.05.00001	10,5-18	15-24	NPT	3/4"
05.09.02.03.05.00002	15-24	20-31	NPT	1"
05.09.02.03.05.00003	21-30	26-40	NPT	1 ¼"
05.09.02.03.05.00004	24-36	30-47	NPT	1 ½"
05.09.02.03.05.00005	36-45	42-56	NPT	2"
05.09.02.03.05.00006	45-54	52-67	NPT	2 ½"
05.09.02.03.05.00007	54-68	65-81	NPT	3"

Double seals barrier cable glands for armoured cables with lead sheath



**Execution:**  
Ex d / Ex e / Ex ia IIC Gb  
Ex tb IIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-40°C / +90°C with EPDM sealing ring  
-60°C / +180°C with silicone sealing ring

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
Stainless steel

CODE	NICKEL PLATED BRASS			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.03.15.05.00000	5,5-13	10-19	UNI 6125	1/2"
05.09.03.15.05.00001	10,5-18	15-24	UNI 6125	3/4"
05.09.03.15.05.00002	15-24	20-31	UNI 6125	1"
05.09.03.15.05.00003	21-30	26-40	UNI 6125	1 ¼"
05.09.03.15.05.00004	24-36	30-47	UNI 6125	1 ½"
05.09.03.15.05.00005	36-45	42-56	UNI 6125	2"
05.09.03.15.05.00006	45-54	52-67	UNI 6125	2 ½"
05.09.03.15.05.00007	54-68	65-81	UNI 6125	3"

CODE	STAINLESS STEEL			
	INT Ø	EXT Ø	THREAD TYPE	SIZE
05.09.03.03.05.00000	5,5-13	10-19	UNI 6125	1/2"
05.09.03.03.05.00001	10,5-18	15-24	UNI 6125	3/4"
05.09.03.03.05.00002	15-24	20-31	UNI 6125	1"
05.09.03.03.05.00003	21-30	26-40	UNI 6125	1 ¼"
05.09.03.03.05.00004	24-36	30-47	UNI 6125	1 ½"
05.09.03.03.05.00005	36-45	42-56	UNI 6125	2"
05.09.03.03.05.00006	45-54	52-67	UNI 6125	2 ½"
05.09.03.03.05.00007	54-68	65-81	UNI 6125	3"


**Execution:**

 Ex II 2GD  
 Ex eb IIC Gb  
 Ex tb IIC Db

**Protection degree:**

 IP66  
 IP68 5 bar 30 min.

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**IECEX applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Polyamide

**Ambient temperature:**

-60°C / +80°C with silicone sealing ring

CODE	TYPE Ex e				
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	MAX HEIGHT (mm)	THREAD TYPE	SIZE
PPM201	5,0 - 10,0	10,0	32,2	ISO Metric	M20X1,5
PPM202	6,0 - 12,0	10,0	32,4	ISO Metric	M20X1,5
PPM203	6,0 - 12,0	15,0	32,4	ISO Metric	M20X1,5
PPM204	10,0 - 14,0	10,0	31,9	ISO Metric	M20X1,5
PPM205	10,0 - 14,0	15,0	31,9	ISO Metric	M20X1,5
PPM251	10,0 - 14,0	10,0	31,9	ISO Metric	M25X1,5
PPM252	10,0 - 14,0	15,0	31,9	ISO Metric	M25X1,5
PPM253	11,0 - 17,0	10,0	37,7	ISO Metric	M25X1,5
PPM254	13,0 - 18,0	15,0	38,4	ISO Metric	M25X1,5
PPM255	13,0 - 18,0	10,0	38,4	ISO Metric	M25X1,5
PPM321	13,0 - 18,0	10,0	38,4	ISO Metric	M32X1,5
PPM322	15,0 - 21,0	10,0	42,3	ISO Metric	M32X1,5
PPM323	18,0 - 25,0	15,0	43,3	ISO Metric	M32X1,5
PPM401	19,0 - 28,0	10,0	47,4	ISO Metric	M40X1,5
PPM402	19,0 - 28,0	15,0	47,4	ISO Metric	M40X1,5
PPM403	22,0 - 32,0	18,0	52,4	ISO Metric	M40X1,5
PPM501	30,0 - 38,0	18,0	54,8	ISO Metric	M50X1,5
PPM631	34,0 - 44,0	18,0	54,9	ISO Metric	M63X1,5

CODE	TYPE Ex i				
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	MAX HEIGHT (mm)	THREAD TYPE	SIZE
PPBM201	5,0 - 10,0	10,0	32,2	ISO Metric	M20X1,5
PPBM202	6,0 - 12,0	10,0	32,4	ISO Metric	M20X1,5
PPBM203	6,0 - 12,0	15,0	32,4	ISO Metric	M20X1,5
PPBM204	10,0 - 14,0	10,0	31,9	ISO Metric	M20X1,5
PPBM205	10,0 - 14,0	15,0	31,9	ISO Metric	M20X1,5
PPBM251	10,0 - 14,0	10,0	31,9	ISO Metric	M25X1,5
PPBM252	10,0 - 14,0	15,0	31,9	ISO Metric	M25X1,5
PPBM253	11,0 - 17,0	10,0	37,7	ISO Metric	M25X1,5
PPBM254	13,0 - 18,0	15,0	38,4	ISO Metric	M25X1,5
PPBM255	13,0 - 18,0	10,0	38,4	ISO Metric	M25X1,5
PPBM321	13,0 - 18,0	10,0	38,4	ISO Metric	M32X1,5
PPBM322	15,0 - 21,0	10,0	42,3	ISO Metric	M32X1,5
PPBM323	18,0 - 25,0	15,0	43,3	ISO Metric	M32X1,5
PPBM401	19,0 - 28,0	10,0	47,4	ISO Metric	M40X1,5
PPBM402	19,0 - 28,0	15,0	47,4	ISO Metric	M40X1,5
PPBM403	22,0 - 32,0	18,0	52,4	ISO Metric	M40X1,5
PPBM501	30,0 - 38,0	18,0	54,8	ISO Metric	M50X1,5
PPBM631	34,0 - 44,0	18,0	54,9	ISO Metric	M63X1,5

CODE	TYPE Ex e				
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	MAX HEIGHT (mm)	THREAD TYPE	SIZE
PPNPT121	5,0 - 10,0	15	27,0	NPT	NPT 1/2"
PPNPT122	6,0 - 12,0	15	27,0	NPT	NPT 1/2"
PPNPT123	10,0 - 14,0	15	30,9	NPT	NPT 1/2"
PPNPT341	13,0 - 18,0	15	37,2	NPT	NPT 3/4"
PPNPT1	18,0 - 25,0	18	47,1	NPT	NPT 1"

CODE	TYPE Ex i				
	CLAMPING RANGE Ø min-max mm	OVER CONDUCTORS max Ø mm	MAX HEIGHT (mm)	THREAD TYPE	SIZE
PPBNPT121	5,0 - 10,0	15	27,0	NPT	NPT 1/2"
PPBNPT122	6,0 - 12,0	15	27,0	NPT	NPT 1/2"
PPBNPT123	10,0 - 14,0	15	30,9	NPT	NPT 1/2"
PPBNPT341	13,0 - 18,0	15	37,2	NPT	NPT 3/4"
PPBNPT1	18,0 - 25,0	18	47,1	NPT	NPT 1"



For all types of cable glands applications where additional protection is required.

CODE	NEOPRENE	
	SIZE	
10.02.01.16.02.00000	M20	1/2"
10.02.01.16.02.00001	M25	3/4"
10.02.01.16.02.00002	M32	1"
10.02.01.16.02.00003	M40	1 ¼"
10.02.01.16.02.00004	M50	1 ½"
10.02.01.16.02.00005	M63	2"
10.02.01.16.02.00006	M75	2 ½"
10.02.01.16.02.00007	M90	3"

Earth Tags



Earth tags are used when installed between the gland entry and equipment provides an earth bond connection.

CODE	NICKEL PLATED BRASS	
	SIZE	
10.01.01.15.02.00000	M20	1/2"
10.01.01.15.02.00001	M25	3/4"
10.01.01.15.02.00002	M32	1"
10.01.01.15.02.00003	M40	1 ¼"
10.01.01.15.02.00004	M50	1 ½"
10.01.01.15.02.00005	M63	2"
10.01.01.15.02.00006	M75	2 ½"
10.01.01.15.02.00007	M90	3"

CODE	STAINLESS STEEL	
	SIZE	
10.01.01.03.02.00000	M20	1/2"
10.01.01.03.02.00001	M25	3/4"
10.01.01.03.02.00002	M32	1"
10.01.01.03.02.00003	M40	1 ¼"
10.01.01.03.02.00004	M50	1 ½"
10.01.01.03.02.00005	M63	2"
10.01.01.03.02.00006	M75	2 ½"
10.01.01.03.02.00007	M90	3"





They allow the coupling between components having cylindrical thread and equipment having unthreaded holes.

CODE	NICKEL PLATED BRASS	
	THREAD TYPE	SIZE
08.04.04.15.02.00000	ISO 228	1/2"
08.04.04.15.02.00001	ISO 228	3/4"
08.04.04.15.02.00002	ISO 228	1"
08.04.04.15.02.00003	ISO 228	1 ¼"
08.04.04.15.02.00004	ISO 228	1 ½"
08.04.04.15.02.00005	ISO 228	2"
08.04.04.15.02.00006	ISO 228	2 ½"
08.04.04.15.02.00007	ISO 228	3"

CODE	ALUMINIUM	
	THREAD TYPE	SIZE
08.04.04.01.02.00001	ISO 228	1 ½"
08.04.04.01.02.00002	ISO 228	2"
08.04.04.01.02.00003	ISO 228	2 ½"
08.04.04.01.02.00004	ISO 228	3"
08.04.04.01.02.00000	ISO 228	4"



CODE	NICKEL PLATED BRASS	
	THREAD TYPE	SIZE
08.04.01.15.02.00000	ISO Metric	M20x1.5
08.04.01.15.02.00001	ISO Metric	M25x1.5
08.04.01.15.02.00002	ISO Metric	M32x1.5
08.04.01.15.02.00003	ISO Metric	M40x1.5
08.04.01.15.02.00004	ISO Metric	M50x1.5
08.04.01.15.02.00005	ISO Metric	M63x1.5
08.04.01.15.02.00006	ISO Metric	M75x1.5
08.04.01.15.02.00007	ISO Metric	M90x1.5

CODE	STAINLESS STEEL	
	THREAD TYPE	SIZE
08.04.01.03.02.00001	ISO Metric	M20x1.5
08.04.01.03.02.00000	ISO Metric	M25x1.5
08.04.01.03.02.00002	ISO Metric	M32x1.5
08.04.01.03.02.00003	ISO Metric	M40x1.5
08.04.01.03.02.00004	ISO Metric	M50x1.5
08.04.01.03.02.00005	ISO Metric	M63x1.5
08.04.01.03.02.00006	ISO Metric	M75x1.5
08.04.01.03.02.00007	ISO Metric	M90x1.5



The serrated washers are used in order to prevent the loss of locknut.

CODE	STAINLESS STEEL	
	SIZE	
08.17.06.03.02.00001	M20	1/2"
08.17.06.03.02.00000	M25	3/4"
08.17.06.03.02.00002	M32	1"
08.17.06.03.02.00003	M40	1 1/4"
08.17.06.03.02.00004	M50	1 1/2"
08.17.06.03.02.00005	M63	2"
08.17.06.03.02.00006	M75	2 1/2"
08.17.06.03.02.00007	M90	3"

CODE	NICKEL PLATED BRASS	
	SIZE	
08.17.06.15.02.00000	M20	1/2"
08.17.06.15.02.00001	M25	3/4"
08.17.06.15.02.00002	M32	1"
08.17.06.15.02.00003	M40	1 1/4"
08.17.06.15.02.00004	M50	1 1/2"
08.17.06.15.02.00005	M63	2"
08.17.06.15.02.00006	M75	2 1/2"
08.17.06.15.02.00007	M90	3"



**Execution:**

Ex d IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**

-20°C / +60°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Aluminium

CODE	THREAD TYPE	SIZE
08.08.07.01.04.00000	ISO 7/1	1/2"
08.08.07.01.04.00001	ISO 7/1	3/4"
08.08.07.01.04.00002	ISO 7/1	1"
08.08.07.01.04.00003	ISO 7/1	1 ¼"
08.08.07.01.04.00004	ISO 7/1	1 ½"
08.08.07.01.04.00005	ISO 7/1	2"
08.08.07.01.04.00006	ISO 7/1	2 ½"
08.08.07.01.04.00007	ISO 7/1	3"

CODE	THREAD TYPE	SIZE
08.08.02.01.04.00000	NPT	1/2"
08.08.02.01.04.00001	NPT	3/4"
08.08.02.01.04.00002	NPT	1"
08.08.02.01.04.00003	NPT	1 ¼"
08.08.02.01.04.00004	NPT	1 ½"
08.08.02.01.04.00005	NPT	2"
08.08.02.01.04.00006	NPT	2 ½"
08.08.02.01.04.00007	NPT	3"

CODE	THREAD TYPE	SIZE
08.08.03.01.04.00000	UNI 6125	1/2"
08.08.03.01.04.00001	UNI 6125	3/4"
08.08.03.01.04.00002	UNI 6125	1"
08.08.03.01.04.00003	UNI 6125	1 ¼"
08.08.03.01.04.00004	UNI 6125	1 ½"
08.08.03.01.04.00005	UNI 6125	2"
08.08.03.01.04.00006	UNI 6125	2 ½"
08.08.03.01.04.00007	UNI 6125	3"

**Note:** Sealings fittings must only be filled with resin supplied by SPINA GROUP SRL



**Execution:**  
Ex d IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-20°C / +60°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Aluminium

CODE	THREAD TYPE	SIZE
08.07.07.01.04.00000	ISO 7/1	1/2"
08.07.07.01.04.00001	ISO 7/1	3/4"
08.07.07.01.04.00002	ISO 7/1	1"
08.07.07.01.04.00003	ISO 7/1	1 ¼"
08.07.07.01.04.00004	ISO 7/1	1 ½"
08.07.07.01.04.00005	ISO 7/1	2"
08.07.07.01.04.00006	ISO 7/1	2 ½"
08.07.07.01.04.00007	ISO 7/1	3"

CODE	THREAD TYPE	SIZE
08.07.02.01.04.00000	NPT	1/2"
08.07.02.01.04.00001	NPT	3/4"
08.07.02.01.04.00002	NPT	1"
08.07.02.01.04.00003	NPT	1 ¼"
08.07.02.01.04.00004	NPT	1 ½"
08.07.02.01.04.00005	NPT	2"
08.07.02.01.04.00006	NPT	2 ½"
08.07.02.01.04.00007	NPT	3"

CODE	THREAD TYPE	SIZE
08.07.03.01.04.00000	UNI 6125	1/2"
08.07.03.01.04.00001	UNI 6125	3/4"
08.07.03.01.04.00002	UNI 6125	1"
08.07.03.01.04.00003	UNI 6125	1 ¼"
08.07.03.01.04.00004	UNI 6125	1 ½"
08.07.03.01.04.00005	UNI 6125	2"
08.07.03.01.04.00006	UNI 6125	2 ½"
08.07.03.01.04.00007	UNI 6125	3"

**Note:** Sealings fittings must only be filled with resin supplied by SPINA GROUP SRL



**Execution:**

Ex d IIB Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Aluminium

CODE A	CODE B	SIZE
08.24.02.01.04.00000	08.24.02.01.04.00007	3/4"
08.24.02.01.04.00001	08.24.02.01.04.00008	1"
08.24.02.01.04.00002	08.24.02.01.04.00009	1 ¼"
08.24.02.01.04.00003	08.24.02.01.04.00010	1 ½"
08.24.02.01.04.00004	08.24.02.01.04.00011	2"
08.24.02.01.04.00005	08.24.02.01.04.00012	2 ½"
08.24.02.01.04.00006	08.24.02.01.04.00013	3"

CODE	THREAD TYPE	SIZE
08.24.03.01.04.00000	08.24.03.01.04.00007	3/4"
08.24.03.01.04.00001	08.24.03.01.04.00008	1"
08.24.03.01.04.00002	08.24.03.01.04.00009	1 ¼"
08.24.03.01.04.00003	08.24.03.01.04.00010	1 ½"
08.24.03.01.04.00004	08.24.03.01.04.00011	2"
08.24.03.01.04.00005	08.24.03.01.04.00012	2 ½"
08.24.03.01.04.00006	08.24.03.01.04.00013	3"

CODE	THREAD TYPE	SIZE
08.24.07.01.04.00000	08.24.07.01.04.00007	3/4"
08.24.07.01.04.00001	08.24.07.01.04.00008	1"
08.24.07.01.04.00002	08.24.07.01.04.00009	1 ¼"
08.24.07.01.04.00003	08.24.07.01.04.00010	1 ½"
08.24.07.01.04.00004	08.24.07.01.04.00011	2"
08.24.07.01.04.00005	08.24.07.01.04.00012	2 ½"
08.24.07.01.04.00006	08.24.07.01.04.00013	3"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Aluminium

CODE	THREAD TYPE	SIZE
08.05.07.01.04.00000	ISO 7/1	1/2"
08.05.07.01.04.00001	ISO 7/1	3/4"
08.05.07.01.04.00002	ISO 7/1	1"
08.05.07.01.04.00003	ISO 7/1	1 ¼"
08.05.07.01.04.00004	ISO 7/1	1 ½"
08.05.07.01.04.00005	ISO 7/1	2"
08.05.07.01.04.00006	ISO 7/1	2 ½"
08.05.07.01.04.00007	ISO 7/1	3"

CODE	THREAD TYPE	SIZE
08.05.02.01.04.00000	NPT	1/2"
08.05.02.01.04.00001	NPT	3/4"
08.05.02.01.04.00002	NPT	1"
08.05.02.01.04.00003	NPT	1 ¼"
08.05.02.01.04.00004	NPT	1 ½"
08.05.02.01.04.00005	NPT	2"
08.05.02.01.04.00006	NPT	2 ½"
08.05.02.01.04.00007	NPT	3"

CODE	THREAD TYPE	SIZE
08.05.03.01.04.00000	UNI 6125	1/2"
08.05.03.01.04.00001	UNI 6125	3/4"
08.05.03.01.04.00002	UNI 6125	1"
08.05.03.01.04.00003	UNI 6125	1 ¼"
08.05.03.01.04.00004	UNI 6125	1 ½"
08.05.03.01.04.00005	UNI 6125	2"
08.05.03.01.04.00006	UNI 6125	2 ½"
08.05.03.01.04.00007	UNI 6125	3"



**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	Ex d IIC	
	THREAD TYPE	SIZE
08.01.07.10.04.00000	ISO 7/1	1/2"
08.01.07.10.04.00002	ISO 7/1	3/4"
08.01.07.10.04.00004	ISO 7/1	1"
08.01.07.10.04.00006	ISO 7/1	1 ¼"
08.01.07.10.04.00008	ISO 7/1	1 ½"
08.01.07.10.04.00010	ISO 7/1	2"
08.01.07.10.04.00012	ISO 7/1	2 ½"
08.01.07.10.04.00014	ISO 7/1	3"

CODE	Ex d IIB Gb	
	THREAD TYPE	SIZE
08.01.07.10.04.00001	ISO 7/1	1/2"
08.01.07.10.04.00003	ISO 7/1	3/4"
08.01.07.10.04.00005	ISO 7/1	1"
08.01.07.10.04.00007	ISO 7/1	1 ¼"
08.01.07.10.04.00009	ISO 7/1	1 ½"
08.01.07.10.04.00011	ISO 7/1	2"
08.01.07.10.04.00013	ISO 7/1	2 ½"
08.01.07.10.04.00015	ISO 7/1	3"

CODE	Ex d IIC	
	THREAD TYPE	SIZE
08.01.01.10.04.00000	ISO Metric	M20x1.5
08.01.01.10.04.00002	ISO Metric	M25x1.5
08.01.01.10.04.00004	ISO Metric	M32x1.5
08.01.01.10.04.00006	ISO Metric	M40x1.5
08.01.01.10.04.00008	ISO Metric	M50x1.5
08.01.01.10.04.00010	ISO Metric	M63x1.5
08.01.01.10.04.00012	ISO Metric	M75x1.5
08.01.01.10.04.00014	ISO Metric	M90x1.5

CODE	Ex d IIB Gb	
	THREAD TYPE	SIZE
08.01.01.10.04.00001	ISO Metric	M20x1.5
08.01.01.10.04.00003	ISO Metric	M25x1.5
08.01.01.10.04.00005	ISO Metric	M32x1.5
08.01.01.10.04.00007	ISO Metric	M40x1.5
08.01.01.10.04.00009	ISO Metric	M50x1.5
08.01.01.10.04.00011	ISO Metric	M63x1.5
08.01.01.10.04.00013	ISO Metric	M75x1.5
08.01.01.10.04.00015	ISO Metric	M90x1.5



**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	Ex d IIC	
	THREAD TYPE	SIZE
08.01.02.10.04.00000	NPT	1/2"
08.01.02.10.04.00002	NPT	3/4"
08.01.02.10.04.00004	NPT	1"
08.01.02.10.04.00006	NPT	1 ¼"
08.01.02.10.04.00008	NPT	1 ½"
08.01.02.10.04.00010	NPT	2"
08.01.02.10.04.00012	NPT	2 ½"
08.01.02.10.04.00014	NPT	3"

CODE	Ex d IIB Gb	
	THREAD TYPE	SIZE
08.01.02.10.04.00001	NPT	1/2"
08.01.02.10.04.00003	NPT	3/4"
08.01.02.10.04.00005	NPT	1"
08.01.02.10.04.00007	NPT	1 ¼"
08.01.02.10.04.00009	NPT	1 ½"
08.01.02.10.04.00011	NPT	2"
08.01.02.10.04.00013	NPT	2 ½"
08.01.02.10.04.00015	NPT	3"

CODE	Ex d IIC	
	THREAD TYPE	SIZE
08.01.03.10.04.00000	UNI 6125	1/2"
08.01.03.10.04.00002	UNI 6125	3/4"
08.01.03.10.04.00004	UNI 6125	1"
08.01.03.10.04.00006	UNI 6125	1 ¼"
08.01.03.10.04.00008	UNI 6125	1 ½"
08.01.03.10.04.00010	UNI 6125	2"
08.01.03.10.04.00012	UNI 6125	2 ½"
08.01.03.10.04.00014	UNI 6125	3"

CODE	Ex d IIB Gb	
	THREAD TYPE	SIZE
08.01.03.10.04.00001	UNI 6125	1/2"
08.01.03.10.04.00003	UNI 6125	3/4"
08.01.03.10.04.00005	UNI 6125	1"
08.01.03.10.04.00007	UNI 6125	1 ¼"
08.01.03.10.04.00009	UNI 6125	1 ½"
08.01.03.10.04.00011	UNI 6125	2"
08.01.03.10.04.00013	UNI 6125	2 ½"
08.01.03.10.04.00015	UNI 6125	3"





**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	Ex d IIC	
	THREAD TYPE	SIZE
08.01.07.10.04.00016	ISO 7/1	1/2"
08.01.07.10.04.00018	ISO 7/1	3/4"
08.01.07.10.04.00020	ISO 7/1	1"
08.01.07.10.04.00022	ISO 7/1	1 ¼"
08.01.07.10.04.00024	ISO 7/1	1 ½"
08.01.07.10.04.00026	ISO 7/1	2"
08.01.07.10.04.00028	ISO 7/1	2 ½"
08.01.07.10.04.00030	ISO 7/1	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.07.10.04.00017	ISO 7/1	1/2"
08.01.07.10.04.00019	ISO 7/1	3/4"
08.01.07.10.04.00021	ISO 7/1	1"
08.01.07.10.04.00023	ISO 7/1	1 ¼"
08.01.07.10.04.00025	ISO 7/1	1 ½"
08.01.07.10.04.00027	ISO 7/1	2"
08.01.07.10.04.00029	ISO 7/1	2 ½"
08.01.07.10.04.00031	ISO 7/1	3"

CODE	IIC	
	THREAD TYPE	SIZE
08.01.01.10.04.00016	ISO Metric	M20x1.5
08.01.01.10.04.00018	ISO Metric	M25x1.5
08.01.01.10.04.00020	ISO Metric	M32x1.5
08.01.01.10.04.00022	ISO Metric	M40x1.5
08.01.01.10.04.00024	ISO Metric	M50x1.5
08.01.01.10.04.00026	ISO Metric	M63x1.5
08.01.01.10.04.00028	ISO Metric	M75x1.5
08.01.01.10.04.00030	ISO Metric	M90x1.5

CODE	IIB	
	THREAD TYPE	SIZE
08.01.01.10.04.00017	ISO Metric	M20x1.5
08.01.01.10.04.00019	ISO Metric	M25x1.5
08.01.01.10.04.00021	ISO Metric	M32x1.5
08.01.01.10.04.00023	ISO Metric	M40x1.5
08.01.01.10.04.00025	ISO Metric	M50x1.5
08.01.01.10.04.00027	ISO Metric	M63x1.5
08.01.01.10.04.00029	ISO Metric	M75x1.5
08.01.01.10.04.00031	ISO Metric	M90x1.5



**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	IIC	
	THREAD TYPE	SIZE
08.01.02.10.04.00016	NPT	1/2"
08.01.02.10.04.00018	NPT	3/4"
08.01.02.10.04.00020	NPT	1"
08.01.02.10.04.00022	NPT	1 ¼"
08.01.02.10.04.00024	NPT	1 ½"
08.01.02.10.04.00026	NPT	2"
08.01.02.10.04.00028	NPT	2 ½"
08.01.02.10.04.00030	NPT	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.02.10.04.00017	NPT	1/2"
08.01.02.10.04.00019	NPT	3/4"
08.01.02.10.04.00021	NPT	1"
08.01.02.10.04.00023	NPT	1 ¼"
08.01.02.10.04.00025	NPT	1 ½"
08.01.02.10.04.00027	NPT	2"
08.01.02.10.04.00029	NPT	2 ½"
08.01.02.10.04.00031	NPT	3"

CODE	IIC	
	THREAD TYPE	SIZE
08.01.03.10.04.00016	UNI 6125	1/2"
08.01.03.10.04.00018	UNI 6125	3/4"
08.01.03.10.04.00020	UNI 6125	1"
08.01.03.10.04.00022	UNI 6125	1 ¼"
08.01.03.10.04.00024	UNI 6125	1 ½"
08.01.03.10.04.00026	UNI 6125	2"
08.01.03.10.04.00028	UNI 6125	2 ½"
08.01.03.10.04.00030	UNI 6125	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.03.10.04.00017	UNI 6125	1/2"
08.01.03.10.04.00019	UNI 6125	3/4"
08.01.03.10.04.00021	UNI 6125	1"
08.01.03.10.04.00023	UNI 6125	1 ¼"
08.01.03.10.04.00025	UNI 6125	1 ½"
08.01.03.10.04.00027	UNI 6125	2"
08.01.03.10.04.00029	UNI 6125	2 ½"
08.01.03.10.04.00031	UNI 6125	3"



**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	IIC	
	THREAD TYPE	SIZE
08.01.07.10.04.00032	ISO 7/1	1/2"
08.01.07.10.04.00034	ISO 7/1	3/4"
08.01.07.10.04.00036	ISO 7/1	1"
08.01.07.10.04.00038	ISO 7/1	1 ¼"
08.01.07.10.04.00040	ISO 7/1	1 ½"
08.01.07.10.04.00042	ISO 7/1	2"
08.01.07.10.04.00044	ISO 7/1	2 ½"
08.01.07.10.04.00046	ISO 7/1	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.07.10.04.00033	ISO 7/1	1/2"
08.01.07.10.04.00035	ISO 7/1	3/4"
08.01.07.10.04.00037	ISO 7/1	1"
08.01.07.10.04.00039	ISO 7/1	1 ¼"
08.01.07.10.04.00041	ISO 7/1	1 ½"
08.01.07.10.04.00043	ISO 7/1	2"
08.01.07.10.04.00045	ISO 7/1	2 ½"
08.01.07.10.04.00047	ISO 7/1	3"

CODE	IIC	
	THREAD TYPE	SIZE
08.01.01.10.04.00032	ISO Metric	M20x1.5
08.01.01.10.04.00034	ISO Metric	M25x1.5
08.01.01.10.04.00036	ISO Metric	M32x1.5
08.01.01.10.04.00038	ISO Metric	M40x1.5
08.01.01.10.04.00040	ISO Metric	M50x1.5
08.01.01.10.04.00042	ISO Metric	M63x1.5
08.01.01.10.04.00044	ISO Metric	M75x1.5
08.01.01.10.04.00046	ISO Metric	M90x1.5

CODE	IIB	
	THREAD TYPE	SIZE
08.01.01.10.04.00033	ISO Metric	M20x1.5
08.01.01.10.04.00035	ISO Metric	M25x1.5
08.01.01.10.04.00037	ISO Metric	M32x1.5
08.01.01.10.04.00039	ISO Metric	M40x1.5
08.01.01.10.04.00041	ISO Metric	M50x1.5
08.01.01.10.04.00043	ISO Metric	M63x1.5
08.01.01.10.04.00045	ISO Metric	M75x1.5
08.01.01.10.04.00047	ISO Metric	M90x1.5



**Execution:**  
Ex d IIC / IIB Gb  
Ex tb IIIC Db IP66/IP67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	IIC	
	THREAD TYPE	SIZE
08.01.02.10.04.00032	NPT	1/2"
08.01.02.10.04.00034	NPT	3/4"
08.01.02.10.04.00036	NPT	1"
08.01.02.10.04.00038	NPT	1 ¼"
08.01.02.10.04.00040	NPT	1 ½"
08.01.02.10.04.00042	NPT	2"
08.01.02.10.04.00044	NPT	2 ½"
08.01.02.10.04.00046	NPT	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.02.10.04.00033	NPT	1/2"
08.01.02.10.04.00035	NPT	3/4"
08.01.02.10.04.00037	NPT	1"
08.01.02.10.04.00039	NPT	1 ¼"
08.01.02.10.04.00041	NPT	1 ½"
08.01.02.10.04.00043	NPT	2"
08.01.02.10.04.00045	NPT	2 ½"
08.01.02.10.04.00047	NPT	3"

CODE	IIC	
	THREAD TYPE	SIZE
08.01.03.10.04.00032	UNI 6125	1/2"
08.01.03.10.04.00034	UNI 6125	3/4"
08.01.03.10.04.00036	UNI 6125	1"
08.01.03.10.04.00038	UNI 6125	1 ¼"
08.01.03.10.04.00040	UNI 6125	1 ½"
08.01.03.10.04.00042	UNI 6125	2"
08.01.03.10.04.00044	UNI 6125	2 ½"
08.01.03.10.04.00046	UNI 6125	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.01.03.10.04.00033	UNI 6125	1/2"
08.01.03.10.04.00035	UNI 6125	3/4"
08.01.03.10.04.00037	UNI 6125	1"
08.01.03.10.04.00039	UNI 6125	1 ¼"
08.01.03.10.04.00041	UNI 6125	1 ½"
08.01.03.10.04.00043	UNI 6125	2"
08.01.03.10.04.00045	UNI 6125	2 ½"
08.01.03.10.04.00047	UNI 6125	3"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

CODE	IIC	
	THREAD TYPE	SIZE
08.11.07.10.04.00000	ISO 7/1	1/2"
08.11.07.10.04.00001	ISO 7/1	3/4"
08.11.07.10.04.00002	ISO 7/1	1"
08.11.07.10.04.00003	ISO 7/1	1 ¼"
08.11.07.10.04.00004	ISO 7/1	1 ½"
08.11.07.10.04.00005	ISO 7/1	2"
08.11.07.10.04.00006	ISO 7/1	2 ½"
08.11.07.10.04.00007	ISO 7/1	3"

CODE	IIB	
	THREAD TYPE	SIZE
08.11.02.10.04.00000	NPT	1/2"
08.11.02.10.04.00001	NPT	3/4"
08.11.02.10.04.00002	NPT	1"
08.11.02.10.04.00003	NPT	1 ¼"
08.11.02.10.04.00004	NPT	1 ½"
08.11.02.10.04.00005	NPT	2"
08.11.02.10.04.00006	NPT	2 ½"
08.11.02.10.04.00007	NPT	3"

CODE	IIC	
	THREAD TYPE	SIZE
08.11.03.10.04.00000	UNI 6125	1/2"
08.11.03.10.04.00001	UNI 6125	3/4"
08.11.03.10.04.00002	UNI 6125	1"
08.11.03.10.04.00003	UNI 6125	1 ¼"
08.11.03.10.04.00004	UNI 6125	1 ½"
08.11.03.10.04.00005	UNI 6125	2"
08.11.03.10.04.00006	UNI 6125	2 ½"
08.11.03.10.04.00007	UNI 6125	3"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

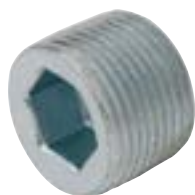
**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.06.07.10.04.00000	ISO 7/1	1/2"
08.06.07.10.04.00001	ISO 7/1	3/4"
08.06.07.10.04.00002	ISO 7/1	1"
08.06.07.10.04.00003	ISO 7/1	1 ¼"
08.06.07.10.04.00004	ISO 7/1	1 ½"
08.06.07.10.04.00005	ISO 7/1	2"
08.06.07.10.04.00006	ISO 7/1	2 ½"
08.06.07.10.04.00007	ISO 7/1	3"

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.06.02.10.04.00000	NPT	1/2"
08.06.02.10.04.00001	NPT	3/4"
08.06.02.10.04.00002	NPT	1"
08.06.02.10.04.00003	NPT	1 ¼"
08.06.02.10.04.00004	NPT	1 ½"
08.06.02.10.04.00005	NPT	2"
08.06.02.10.04.00006	NPT	2 ½"
08.06.02.10.04.00007	NPT	3"

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.06.03.10.04.00000	UNI 6125	1/2"
08.06.03.10.04.00001	UNI 6125	3/4"
08.06.03.10.04.00002	UNI 6125	1"
08.06.03.10.04.00003	UNI 6125	1 ¼"
08.06.03.10.04.00004	UNI 6125	1 ½"
08.06.03.10.04.00005	UNI 6125	2"
08.06.03.10.04.00006	UNI 6125	2 ½"
08.06.03.10.04.00007	UNI 6125	3"


**Execution:**

 Ex d / Ex e IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Galvanized steel or  
 aluminium

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.12.03.10.04.00000	UNI 6125	1/2"
08.12.03.10.04.00001	UNI 6125	3/4"
08.12.03.10.04.00002	UNI 6125	1"

CODE	ALUMINIUM	
	THREAD TYPE	SIZE
08.12.03.01.04.00000	UNI 6125	1 ¼"
08.12.03.01.04.00001	UNI 6125	1 ½"
08.12.03.01.04.00002	UNI 6125	2"
08.12.03.01.04.00003	UNI 6125	2 ½"
08.12.03.01.04.00004	UNI 6125	3"

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.12.02.10.04.00000	NPT	1/2"
08.12.02.10.04.00001	NPT	3/4"
08.12.02.10.04.00002	NPT	1"

CODE	ALUMINIUM	
	THREAD TYPE	SIZE
08.12.02.01.04.00000	NPT	1 ¼"
08.12.02.01.04.00001	NPT	1 ½"
08.12.02.01.04.00002	NPT	2"
08.12.02.01.04.00003	NPT	2 ½"
08.12.02.01.04.00004	NPT	3"

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.12.07.10.04.00000	ISO 7/1	1/2"
08.12.07.10.04.00001	ISO 7/1	3/4"
08.12.07.10.04.00002	ISO 7/1	1"

CODE	ALUMINIUM	
	THREAD TYPE	SIZE
08.12.07.01.04.00000	ISO 7/1	1 ¼"
08.12.07.01.04.00001	ISO 7/1	1 ½"
08.12.07.01.04.00002	ISO 7/1	2"
08.12.07.01.04.00003	ISO 7/1	2 ½"
08.12.07.01.04.00004	ISO 7/1	3"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

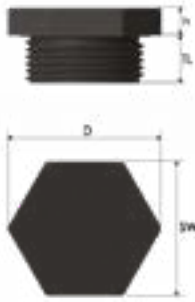
**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Nickel plated brass or  
stainless steel

CODE	NICKEL PLATED BRASS	
	THREAD TYPE	SIZE
08.12.01.15.04.00000	ISO Metric	M20x1.5
08.12.01.15.04.00001	ISO Metric	M25x1.5
08.12.01.15.04.00002	ISO Metric	M32x1.5
08.12.01.15.04.00003	ISO Metric	M40x1.5
08.12.01.15.04.00004	ISO Metric	M50x1.5
08.12.01.15.04.00005	ISO Metric	M63x1.5
08.12.01.15.04.00006	ISO Metric	M75x1.5
08.12.01.15.04.00007	ISO Metric	M90x1.5

CODE	STAINLESS STEEL	
	THREAD TYPE	SIZE
08.12.01.03.04.00000	ISO Metric	M20x1.5
08.12.01.03.04.00001	ISO Metric	M25x1.5
08.12.01.03.04.00002	ISO Metric	M32x1.5
08.12.01.03.04.00003	ISO Metric	M40x1.5
08.12.01.03.04.00004	ISO Metric	M50x1.5
08.12.01.03.04.00005	ISO Metric	M63x1.5
08.12.01.03.04.00006	ISO Metric	M75x1.5
08.12.01.03.04.00007	ISO Metric	M90x1.5





**Execution:**

II 2GD Ex e IIC Gb  
 II 2GD Ex tb IIIC Db  
 II 2GD Ex eb IIC Gb

**Protection degree:**

IP66  
 IP68 - 5 Bar, 30 min

**Atex applicable standards:**

EN 60079-0, EN 60079-7, EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-7, IEC 60079-31

**Ambient temperature:**

Ex e -60°C / +80°C  
 Ex i -60°C / +70°C

**Installation area:** zone 1 – 2 (Gas)  
 zone 21 – 22 (Dust)

**Material:** Polyamide

CODE	Ex e	
	THREAD TYPE	SIZE
08.12.01.06.03.00006	ISO Metric	M12X1,5
08.12.01.06.03.00007	ISO Metric	M16X1,5
08.12.01.06.03.00002	ISO Metric	M20X1,5
08.12.01.06.03.00001	ISO Metric	M25X1,5
08.12.01.06.03.00000	ISO Metric	M32X1,5
08.12.01.06.03.00003	ISO Metric	M40X1,5
08.12.01.06.03.00004	ISO Metric	M50X1,5
08.12.01.06.03.00005	ISO Metric	M63X1,5

CODE	Ex i	
	THREAD TYPE	SIZE
08.12.01.06.03.00008	ISO Metric	M12X1,5
08.12.01.06.03.00009	ISO Metric	M16X1,5
08.12.01.06.03.00010	ISO Metric	M20X1,5
08.12.01.06.03.00011	ISO Metric	M25X1,5
08.12.01.06.03.00012	ISO Metric	M32X1,5
08.12.01.06.03.00013	ISO Metric	M40X1,5
08.12.01.06.03.00014	ISO Metric	M50X1,5
08.12.01.06.03.00015	ISO Metric	M63X1,5



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	GALVANIZED STEEL	
	THREAD TYPE	SIZE
08.09.04.10.04.00000	ISO 228	1/2"
08.09.04.10.04.00001	ISO 228	3/4"
08.09.04.10.04.00002	ISO 228	1"
08.09.04.10.04.00003	ISO 228	1 ¼"
08.09.04.10.04.00004	ISO 228	1 ½"
08.09.04.10.04.00005	ISO 228	2"
08.09.04.10.04.00006	ISO 228	2 ½"
08.09.04.10.04.00007	ISO 228	3"


**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Galvanized steel,  
stainless steel or aluminium

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.13.07.10.04.00000	ISO 7/1	M-3/4"	F-1/2"
08.13.07.10.04.00001	ISO 7/1	M-1"	F-1/2"
08.13.07.10.04.00002	ISO 7/1	M-1"	F-3/4"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.13.07.03.04.00000	ISO 7/1	M-3/4"	F-1/2"
08.13.07.03.04.00001	ISO 7/1	M-1"	F-1/2"
08.13.07.03.04.00002	ISO 7/1	M-1"	F-3/4"
08.13.07.03.04.00003	ISO 7/1	M-1 1/4"	F-1/2"
08.13.07.03.04.00004	ISO 7/1	M-1 1/4"	F-3/4"
08.13.07.03.04.00005	ISO 7/1	M-1 1/4"	F-1"
08.13.07.03.04.00006	ISO 7/1	M-1 1/2"	F-1/2"
08.13.07.03.04.00007	ISO 7/1	M-1 1/2"	F-3/4"
08.13.07.03.04.00008	ISO 7/1	M-1 1/2"	F-1"
08.13.07.03.04.00009	ISO 7/1	M-1 1/2"	F-1 1/4"
08.13.07.03.04.00010	ISO 7/1	M-2"	F-1/2"
08.13.07.03.04.00011	ISO 7/1	M-2"	F-3/4"
08.13.07.03.04.00012	ISO 7/1	M-2"	F-1"
08.13.07.03.04.00013	ISO 7/1	M-2"	F-1 1/4"
08.13.07.03.04.00014	ISO 7/1	M-2"	F-1 1/2"
08.13.07.03.04.00015	ISO 7/1	M-2 1/2"	F-1/2"
08.13.07.03.04.00016	ISO 7/1	M-2 1/2"	F-3/4"
08.13.07.03.04.00017	ISO 7/1	M-2 1/2"	F-1"
08.13.07.03.04.00018	ISO 7/1	M-2 1/2"	F-1 1/4"
08.13.07.03.04.00019	ISO 7/1	M-2 1/2"	F-1 1/2"
08.13.07.03.04.00020	ISO 7/1	M-2 1/2"	F-2"
08.13.07.03.04.00021	ISO 7/1	M-3"	F-1/2"
08.13.07.03.04.00022	ISO 7/1	M-3"	F-3/4"
08.13.07.03.04.00023	ISO 7/1	M-3"	F-1"
08.13.07.03.04.00024	ISO 7/1	M-3"	F-1 1/4"
08.13.07.03.04.00025	ISO 7/1	M-3"	F-1 1/2"
08.13.07.03.04.00026	ISO 7/1	M-3"	F-2"
08.13.07.03.04.00027	ISO 7/1	M-3"	F-2 1/2"

CODE	ALUMINIUM		
	THREAD TYPE	SIZE	
08.13.07.01.04.00000	ISO 7/1	M-1 1/4"	F-1/2"
08.13.07.01.04.00001	ISO 7/1	M-1 1/4"	F-3/4"
08.13.07.01.04.00002	ISO 7/1	M-1 1/4"	F-1"
08.13.07.01.04.00003	ISO 7/1	M-1 1/2"	F-1/2"
08.13.07.01.04.00004	ISO 7/1	M-1 1/2"	F-3/4"
08.13.07.01.04.00005	ISO 7/1	M-1 1/2"	F-1"
08.13.07.01.04.00006	ISO 7/1	M-1 1/2"	1/4"
08.13.07.01.04.00007	ISO 7/1	M-2"	F-1/2"
08.13.07.01.04.00008	ISO 7/1	M-2"	F-3/4"
08.13.07.01.04.00009	ISO 7/1	M-2"	F-1"
08.13.07.01.04.00010	ISO 7/1	M-2"	F-1 1/4"
08.13.07.01.04.00011	ISO 7/1	M-2"	F-1 1/2"
08.13.07.01.04.00012	ISO 7/1	M-2 1/2"	F-1/2"
08.13.07.01.04.00013	ISO 7/1	M-2 1/2"	F-3/4"
08.13.07.01.04.00014	ISO 7/1	M-2 1/2"	F-1"
08.13.07.01.04.00015	ISO 7/1	M-2 1/2"	F-1 1/4"
08.13.07.01.04.00016	ISO 7/1	M-2 1/2"	F-1 1/2"
08.13.07.01.04.00017	ISO 7/1	M-2 1/2"	F-2"
08.13.07.01.04.00018	ISO 7/1	M-3"	F-1/2"
08.13.07.01.04.00019	ISO 7/1	M-3"	F-3/4"
08.13.07.01.04.00020	ISO 7/1	M-3"	F-1"
08.13.07.01.04.00021	ISO 7/1	M-3"	F-1 1/4"
08.13.07.01.04.00022	ISO 7/1	M-3"	F-1 1/2"
08.13.07.01.04.00023	ISO 7/1	M-3"	F-2"
08.13.07.01.04.00024	ISO 7/1	M-3"	F-2 1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or  
stainless steel

**Ambient temperature:**

-50°C / +130°C

CODE	NICKEL PLATED BRASS		
	THREAD TYPE	SIZE	
08.13.01.15.04.00000	ISO Metric	M-M25	F-M20
08.13.01.15.04.00001	ISO Metric	M-M32	F-M20
08.13.01.15.04.00002	ISO Metric	M-M32	F-M25
08.13.01.15.04.00003	ISO Metric	M-M40	F-M20
08.13.01.15.04.00004	ISO Metric	M-M40	F-M25
08.13.01.15.04.00005	ISO Metric	M-M40	F-M32
08.13.01.15.04.00006	ISO Metric	M-M50	F-M20
08.13.01.15.04.00007	ISO Metric	M-M50	F-M25
08.13.01.15.04.00008	ISO Metric	M-M50	F-M32
08.13.01.15.04.00009	ISO Metric	M-M50	F-M40
08.13.01.15.04.00010	ISO Metric	M-M63	F-M20
08.13.01.15.04.00011	ISO Metric	M-M63	F-M25
08.13.01.15.04.00012	ISO Metric	M-M63	F-M32
08.13.01.15.04.00013	ISO Metric	M-M63	F-M40
08.13.01.15.04.00014	ISO Metric	M-M63	F-M50
08.13.01.15.04.00015	ISO Metric	M-M75	F-M20
08.13.01.15.04.00016	ISO Metric	M-M75	F-M25
08.13.01.15.04.00017	ISO Metric	M-M75	F-M32
08.13.01.15.04.00018	ISO Metric	M-M75	F-M40
08.13.01.15.04.00019	ISO Metric	M-M75	F-M50
08.13.01.15.04.00020	ISO Metric	M-M75	F-M63
08.13.01.15.04.00021	ISO Metric	M-M90	F-M20
08.13.01.15.04.00022	ISO Metric	M-M90	F-M25
08.13.01.15.04.00023	ISO Metric	M-M90	F-M32
08.13.01.15.04.00024	ISO Metric	M-M90	F-M40
08.13.01.15.04.00025	ISO Metric	M-M90	F-M50
08.13.01.15.04.00026	ISO Metric	M-M90	F-M63
08.13.01.15.04.00027	ISO Metric	M-M90	F-M75

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.13.01.03.04.00000	ISO Metric	M-M25	F-M20
08.13.01.03.04.00001	ISO Metric	M-M32	F-M20
08.13.01.03.04.00002	ISO Metric	M-M32	F-M25
08.13.01.03.04.00003	ISO Metric	M-M40	F-M20
08.13.01.03.04.00004	ISO Metric	M-M40	F-M25
08.13.01.03.04.00005	ISO Metric	M-M40	F-M32
08.13.01.03.04.00006	ISO Metric	M-M50	F-M20
08.13.01.03.04.00007	ISO Metric	M-M50	F-M25
08.13.01.03.04.00008	ISO Metric	M-M50	F-M32
08.13.01.03.04.00009	ISO Metric	M-M50	F-M40
08.13.01.03.04.00010	ISO Metric	M-M63	F-M20
08.13.01.03.04.00011	ISO Metric	M-M63	F-M25
08.13.01.03.04.00012	ISO Metric	M-M63	F-M32
08.13.01.03.04.00013	ISO Metric	M-M63	F-M40
08.13.01.03.04.00014	ISO Metric	M-M63	F-M50
08.13.01.03.04.00015	ISO Metric	M-M75	F-M20
08.13.01.03.04.00016	ISO Metric	M-M75	F-M25
08.13.01.03.04.00017	ISO Metric	M-M75	F-M32
08.13.01.03.04.00018	ISO Metric	M-M75	F-M40
08.13.01.03.04.00019	ISO Metric	M-M75	F-M50
08.13.01.03.04.00020	ISO Metric	M-M75	F-M63
08.13.01.03.04.00021	ISO Metric	M-M90	F-M20
08.13.01.03.04.00022	ISO Metric	M-M90	F-M25
08.13.01.03.04.00023	ISO Metric	M-M90	F-M32
08.13.01.03.04.00024	ISO Metric	M-M90	F-M40
08.13.01.03.04.00025	ISO Metric	M-M90	F-M50
08.13.01.03.04.00026	ISO Metric	M-M90	F-M63
08.13.01.03.04.00027	ISO Metric	M-M90	F-M75


**Execution:**

 Ex d / Ex e IIC Gb  
 Ex tb IIIC Db IP66

**Atex applicable standards:**

 EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

 IEC 60070-0, IEC 60079-1, IEC 60079-7,  
 IEC 60079-31

**Material:** Galvanized steel,  
 stainless steel or aluminium

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.13.02.10.04.00000	NPT	M-3/4"	F-1/2"
08.13.02.10.04.00001	NPT	M-1"	F-1/2"
08.13.02.10.04.00002	NPT	M-1"	F-3/4"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.13.02.03.04.00000	NPT	M-3/4"	F-1/2"
08.13.02.03.04.00001	NPT	M-1"	F-1/2"
08.13.02.03.04.00002	NPT	M-1"	F-3/4"
08.13.02.03.04.00003	NPT	M-1 1/4"	F-1/2"
08.13.02.03.04.00004	NPT	M-1 1/4"	F-3/4"
08.13.02.03.04.00005	NPT	M-1 1/4"	F-1"
08.13.02.03.04.00006	NPT	M-1 1/2"	F-1/2"
08.13.02.03.04.00007	NPT	M-1 1/2"	F-3/4"
08.13.02.03.04.00008	NPT	M-1 1/2"	F-1"
08.13.02.03.04.00009	NPT	M-1 1/2"	F-1 1/4"
08.13.02.03.04.00010	NPT	M-2"	F-1/2"
08.13.02.03.04.00011	NPT	M-2"	F-3/4"
08.13.02.03.04.00012	NPT	M-2"	F-1"
08.13.02.03.04.00013	NPT	M-2"	F-1 1/4"
08.13.02.03.04.00014	NPT	M-2"	F-1 1/2"
08.13.02.03.04.00015	NPT	M-2 1/2"	F-1/2"
08.13.02.03.04.00016	NPT	M-2 1/2"	F-3/4"
08.13.02.03.04.00017	NPT	M-2 1/2"	F-1"
08.13.02.03.04.00018	NPT	M-2 1/2"	F-1 1/4"
08.13.02.03.04.00019	NPT	M-2 1/2"	F-1 1/2"
08.13.02.03.04.00020	NPT	M-2 1/2"	F-2"
08.13.02.03.04.00021	NPT	M-3"	F-1/2"
08.13.02.03.04.00022	NPT	M-3"	F-3/4"
08.13.02.03.04.00023	NPT	M-3"	F-1"
08.13.02.03.04.00024	NPT	M-3"	F-1 1/4"
08.13.02.03.04.00025	NPT	M-3"	F-1 1/2"
08.13.02.03.04.00026	NPT	M-3"	F-2"
08.13.02.03.04.00027	NPT	M-3"	F-2 1/2"

CODE	ALUMINIUM		
	THREAD TYPE	SIZE	
08.13.02.01.04.00000	NPT	M-1 1/4"	F-1/2"
08.13.02.01.04.00001	NPT	M-1 1/4"	F-3/4"
08.13.02.01.04.00002	NPT	M-1 1/4"	F-1"
08.13.02.01.04.00003	NPT	M-1 1/2"	F-1/2"
08.13.02.01.04.00004	NPT	M-1 1/2"	F-3/4"
08.13.02.01.04.00005	NPT	M-1 1/2"	F-1"
08.13.02.01.04.00006	NPT	M-1 1/2"	F-1 1/4"
08.13.02.01.04.00007	NPT	M-2"	F-1/2"
08.13.02.01.04.00008	NPT	M-2"	F-3/4"
08.13.02.01.04.00009	NPT	M-2"	F-1"
08.13.02.01.04.00010	NPT	M-2"	F-1 1/4"
08.13.02.01.04.00011	NPT	M-2"	F-1 1/2"
08.13.02.01.04.00012	NPT	M-2 1/2"	F-1/2"
08.13.02.01.04.00013	NPT	M-2 1/2"	F-3/4"
08.13.02.01.04.00014	NPT	M-2 1/2"	F-1"
08.13.02.01.04.00015	NPT	M-2 1/2"	F-1 1/4"
08.13.02.01.04.00016	NPT	M-2 1/2"	F-1 1/2"
08.13.02.01.04.00017	NPT	M-2 1/2"	F-2"
08.13.02.01.04.00018	NPT	M-3"	F-1/2"
08.13.02.01.04.00019	NPT	M-3"	F-3/4"
08.13.02.01.04.00020	NPT	M-3"	F-1"
08.13.02.01.04.00021	NPT	M-3"	F-1 1/4"
08.13.02.01.04.00022	NPT	M-3"	F-1 1/2"
08.13.02.01.04.00023	NPT	M-3"	F-2"
08.13.02.01.04.00024	NPT	M-3"	F-2 1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Galvanized steel,  
stainless steel or aluminium

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.13.03.10.04.00000	UNI 6125	M-3/4"	F-1/2"
08.13.03.10.04.00001	UNI 6125	M-1"	F-1/2"
08.13.03.10.04.00002	UNI 6125	M-1"	F-3/4"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.13.03.03.04.00000	UNI 6125	M-3/4"	F-1/2"
08.13.03.03.04.00001	UNI 6125	M-1"	F-1/2"
08.13.03.03.04.00002	UNI 6125	M-1"	F-3/4"
08.13.03.03.04.00003	UNI 6125	M-1 1/4"	F-1/2"
08.13.03.03.04.00004	UNI 6125	M-1 1/4"	F-3/4"
08.13.03.03.04.00005	UNI 6125	M-1 1/4"	F-1"
08.13.03.03.04.00006	UNI 6125	M-1 1/2"	F-1/2"
08.13.03.03.04.00007	UNI 6125	M-1 1/2"	F-3/4"
08.13.03.03.04.00008	UNI 6125	M-1 1/2"	F-1"
08.13.03.03.04.00009	UNI 6125	M-1 1/2"	F-1 1/4"
08.13.03.03.04.00010	UNI 6125	M-2"	F-1/2"
08.13.03.03.04.00011	UNI 6125	M-2"	F-3/4"
08.13.03.03.04.00012	UNI 6125	M-2"	F-1"
08.13.03.03.04.00013	UNI 6125	M-2"	F-1 1/4"
08.13.03.03.04.00014	UNI 6125	M-2"	F-1 1/2"
08.13.03.03.04.00015	UNI 6125	M-2 1/2"	F-1/2"
08.13.03.03.04.00016	UNI 6125	M-2 1/2"	F-3/4"
08.13.03.03.04.00017	UNI 6125	M-2 1/2"	F-1"
08.13.03.03.04.00018	UNI 6125	M-2 1/2"	F-1 1/4"
08.13.03.03.04.00019	UNI 6125	M-2 1/2"	F-1 1/2"
08.13.03.03.04.00020	UNI 6125	M-2 1/2"	F-2"
08.13.03.03.04.00021	UNI 6125	M-3"	F-1/2"
08.13.03.03.04.00022	UNI 6125	M-3"	F-3/4"
08.13.03.03.04.00023	UNI 6125	M-3"	F-1"
08.13.03.03.04.00024	UNI 6125	M-3"	F-1 1/4"
08.13.03.03.04.00025	UNI 6125	M-3"	F-1 1/2"
08.13.03.03.04.00026	UNI 6125	M-3"	F-2"
08.13.03.03.04.00027	UNI 6125	M-3"	F-2 1/2"

CODE	ALUMINIUM		
	THREAD TYPE	SIZE	
08.13.03.01.04.00000	UNI 6125	M-1 1/4"	F-1/2"
08.13.03.01.04.00001	UNI 6125	M-1 1/4"	F-3/4"
08.13.03.01.04.00002	UNI 6125	M-1 1/4"	F-1"
08.13.03.01.04.00003	UNI 6125	M-1 1/2"	F-1/2"
08.13.03.01.04.00004	UNI 6125	M-1 1/2"	F-3/4"
08.13.03.01.04.00005	UNI 6125	M-1 1/2"	F-1"
08.13.03.01.04.00006	UNI 6125	M-1 1/2"	F-1 1/4"
08.13.03.01.04.00007	UNI 6125	M-2"	F-1/2"
08.13.03.01.04.00008	UNI 6125	M-2"	F-3/4"
08.13.03.01.04.00009	UNI 6125	M-2"	F-1"
08.13.03.01.04.00010	UNI 6125	M-2"	F-1 1/4"
08.13.03.01.04.00011	UNI 6125	M-2"	F-1 1/2"
08.13.03.01.04.00012	UNI 6125	M-2 1/2"	F-1/2"
08.13.03.01.04.00013	UNI 6125	M-2 1/2"	F-3/4"
08.13.03.01.04.00014	UNI 6125	M-2 1/2"	F-1"
08.13.03.01.04.00015	UNI 6125	M-2 1/2"	F-1 1/4"
08.13.03.01.04.00016	UNI 6125	M-2 1/2"	F-1 1/2"
08.13.03.01.04.00017	UNI 6125	M-2 1/2"	F-2"
08.13.03.01.04.00018	UNI 6125	M-3"	F-1/2"
08.13.03.01.04.00019	UNI 6125	M-3"	F-3/4"
08.13.03.01.04.00020	UNI 6125	M-3"	F-1"
08.13.03.01.04.00021	UNI 6125	M-3"	F-1 1/4"
08.13.03.01.04.00022	UNI 6125	M-3"	F-1 1/2"
08.13.03.01.04.00023	UNI 6125	M-3"	F-2"
08.13.03.01.04.00024	UNI 6125	M-3"	F-1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Galvanized steel or  
stainless steel

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.14.07.10.04.00000	ISO 7/1	F-3/4"	M-1/2"
08.14.07.10.04.00001	ISO 7/1	F-1"	M-1/2"
08.14.07.10.04.00002	ISO 7/1	F-1"	M-3/4"
08.14.07.10.04.00003	ISO 7/1	F-1 ¼"	M-1/2"
08.14.07.10.04.00004	ISO 7/1	F-1 ¼"	M-3/4"
08.14.07.10.04.00005	ISO 7/1	F-1 ¼"	M-1"
08.14.07.10.04.00006	ISO 7/1	F-1 ½"	M-1/2"
08.14.07.10.04.00007	ISO 7/1	F-1 ½"	M-3/4"
08.14.07.10.04.00008	ISO 7/1	F-1 ½"	M-1"
08.14.07.10.04.00009	ISO 7/1	F-1 ½"	M-1 ¼"
08.14.07.10.04.00010	ISO 7/1	F-2"	M-1/2"
08.14.07.10.04.00011	ISO 7/1	F-2"	M-3/4"
08.14.07.10.04.00012	ISO 7/1	F-2"	M-1"
08.14.07.10.04.00013	ISO 7/1	F-2"	M-1 ¼"
08.14.07.10.04.00014	ISO 7/1	F-2"	M-1 ½"
08.14.07.10.04.00015	ISO 7/1	F-2 ½"	M-1/2"
08.14.07.10.04.00016	ISO 7/1	F-2 ½"	M-3/4"
08.14.07.10.04.00017	ISO 7/1	F-2 ½"	M-1"
08.14.07.10.04.00018	ISO 7/1	F-2 ½"	M-1 ¼"
08.14.07.10.04.00019	ISO 7/1	F-2 ½"	M-1 ½"
08.14.07.10.04.00020	ISO 7/1	F-2 ½"	M-2"
08.14.07.10.04.00021	ISO 7/1	F-3"	M-1/2"
08.14.07.10.04.00022	ISO 7/1	F-3"	M-3/4"
08.14.07.10.04.00023	ISO 7/1	F-3"	M-1"
08.14.07.10.04.00024	ISO 7/1	F-3"	M-1 ¼"
08.14.07.10.04.00025	ISO 7/1	F-3"	M-1 ½"
08.14.07.10.04.00026	ISO 7/1	F-3"	M-2"
08.14.07.10.04.00027	ISO 7/1	F-3"	M-2 ½"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.14.07.03.04.00000	ISO 7/1	F-3/4"	M-1/2"
08.14.07.03.04.00001	ISO 7/1	F-1"	M-1/2"
08.14.07.03.04.00002	ISO 7/1	F-1"	M-3/4"
08.14.07.03.04.00003	ISO 7/1	F-1 ¼"	M-1/2"
08.14.07.03.04.00004	ISO 7/1	F-1 ¼"	M-3/4"
08.14.07.03.04.00005	ISO 7/1	F-1 ¼"	M-1"
08.14.07.03.04.00006	ISO 7/1	F-1 ½"	M-1/2"
08.14.07.03.04.00007	ISO 7/1	F-1 ½"	M-3/4"
08.14.07.03.04.00008	ISO 7/1	F-1 ½"	M-1"
08.14.07.03.04.00009	ISO 7/1	F-1 ½"	M-1 ¼"
08.14.07.03.04.00010	ISO 7/1	F-2"	M-1/2"
08.14.07.03.04.00011	ISO 7/1	F-2"	M-3/4"
08.14.07.03.04.00012	ISO 7/1	F-2"	M-1"
08.14.07.03.04.00013	ISO 7/1	F-2"	M-1 ¼"
08.14.07.03.04.00014	ISO 7/1	F-2"	M-1 ½"
08.14.07.03.04.00015	ISO 7/1	F-2 ½"	M-1/2"
08.14.07.03.04.00016	ISO 7/1	F-2 ½"	M-3/4"
08.14.07.03.04.00017	ISO 7/1	F-2 ½"	M-1"
08.14.07.03.04.00018	ISO 7/1	F-2 ½"	M-1 ¼"
08.14.07.03.04.00019	ISO 7/1	F-2 ½"	M-1 ½"
08.14.07.03.04.00020	ISO 7/1	F-2 ½"	M-2"
08.14.07.03.04.00021	ISO 7/1	F-3"	M-1/2"
08.14.07.03.04.00022	ISO 7/1	F-3"	M-3/4"
08.14.07.03.04.00023	ISO 7/1	F-3"	M-1"
08.14.07.03.04.00024	ISO 7/1	F-3"	M-1 ¼"
08.14.07.03.04.00025	ISO 7/1	F-3"	M-1 ½"
08.14.07.03.04.00026	ISO 7/1	F-3"	M-2"
08.14.07.03.04.00027	ISO 7/1	F-3"	M-2 ½"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Nickel plated brass or stainless steel

**Ambient temperature:**

-50°C / +130°C

CODE	NICKEL PLATED BRASS	
	THREAD TYPE	SIZE
08.14.01.15.04.00000	ISO Metric	F-M25 M-M20
08.14.01.15.04.00001	ISO Metric	F-M32 M-M20
08.14.01.15.04.00002	ISO Metric	F-M32 M-M25
08.14.01.15.04.00003	ISO Metric	F-M40 M-M20
08.14.01.15.04.00004	ISO Metric	F-M40 M-M25
08.14.01.15.04.00005	ISO Metric	F-M40 M-M32
08.14.01.15.04.00006	ISO Metric	F-M50 M-M20
08.14.01.15.04.00007	ISO Metric	F-M50 M-M25
08.14.01.15.04.00008	ISO Metric	F-M50 M-M32
08.14.01.15.04.00009	ISO Metric	F-M50 M-M40
08.14.01.15.04.00010	ISO Metric	F-M63 M-M20
08.14.01.15.04.00011	ISO Metric	F-M63 M-M25
08.14.01.15.04.00012	ISO Metric	F-M63 M-M32
08.14.01.15.04.00013	ISO Metric	F-M63 M-M40
08.14.01.15.04.00014	ISO Metric	F-M63 M-M50
08.14.01.15.04.00015	ISO Metric	F-M75 M-M20
08.14.01.15.04.00016	ISO Metric	F-M75 M-M25
08.14.01.15.04.00017	ISO Metric	F-M75 M-M32
08.14.01.15.04.00018	ISO Metric	F-M75 M-M40
08.14.01.15.04.00019	ISO Metric	F-M75 M-M50
08.14.01.15.04.00020	ISO Metric	F-M75 M-M63
08.14.01.15.04.00021	ISO Metric	F-M90 M-M20
08.14.01.15.04.00022	ISO Metric	F-M90 M-M25
08.14.01.15.04.00023	ISO Metric	F-M90 M-M32
08.14.01.15.04.00024	ISO Metric	F-M90 M-M40
08.14.01.15.04.00025	ISO Metric	F-M90 M-M50
08.14.01.15.04.00026	ISO Metric	F-M90 M-M63
08.14.01.15.04.00027	ISO Metric	F-M90 M-M75

CODE	STAINLESS STEEL	
	THREAD TYPE	SIZE
08.14.01.03.04.00000	ISO Metric	F-M25 M-M20
08.14.01.03.04.00001	ISO Metric	F-M32 M-M20
08.14.01.03.04.00002	ISO Metric	F-M32 M-M25
08.14.01.03.04.00003	ISO Metric	F-M40 M-M20
08.14.01.03.04.00004	ISO Metric	F-M40 M-M25
08.14.01.03.04.00005	ISO Metric	F-M40 M-M32
08.14.01.03.04.00006	ISO Metric	F-M50 M-M20
08.14.01.03.04.00007	ISO Metric	F-M50 M-M25
08.14.01.03.04.00008	ISO Metric	F-M50 M-M32
08.14.01.03.04.00009	ISO Metric	F-M50 M-M40
08.14.01.03.04.00010	ISO Metric	F-M63 M-M20
08.14.01.03.04.00011	ISO Metric	F-M63 M-M25
08.14.01.03.04.00012	ISO Metric	F-M63 M-M32
08.14.01.03.04.00013	ISO Metric	F-M63 M-M40
08.14.01.03.04.00014	ISO Metric	F-M63 M-M50
08.14.01.03.04.00015	ISO Metric	F-M75 M-M20
08.14.01.03.04.00016	ISO Metric	F-M75 M-M25
08.14.01.03.04.00017	ISO Metric	F-M75 M-M32
08.14.01.03.04.00018	ISO Metric	F-M75 M-M40
08.14.01.03.04.00019	ISO Metric	F-M75 M-M50
08.14.01.03.04.00020	ISO Metric	F-M75 M-M63
08.14.01.03.04.00021	ISO Metric	F-M90 M-M20
08.14.01.03.04.00022	ISO Metric	F-M90 M-M25
08.14.01.03.04.00023	ISO Metric	F-M90 M-M32
08.14.01.03.04.00024	ISO Metric	F-M90 M-M40
08.14.01.03.04.00025	ISO Metric	F-M90 M-M50
08.14.01.03.04.00026	ISO Metric	F-M90 M-M63
08.14.01.03.04.00027	ISO Metric	F-M90 M-M75





**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Galvanized steel or  
stainless steel

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.14.02.10.04.00000	NPT	F-3/4"	M-1/2"
08.14.02.10.04.00001	NPT	F-1"	M-1/2"
08.14.02.10.04.00002	NPT	F-1"	M-3/4"
08.14.02.10.04.00003	NPT	F-1 1/4"	M-1/2"
08.14.02.10.04.00004	NPT	F-1 1/4"	M-3/4"
08.14.02.10.04.00005	NPT	F-1 1/4"	M-1"
08.14.02.10.04.00006	NPT	F-1 1/2"	M-1/2"
08.14.02.10.04.00007	NPT	F-1 1/2"	M-3/4"
08.14.02.10.04.00008	NPT	F-1 1/2"	M-1"
08.14.02.10.04.00009	NPT	F-1 1/2"	M-1 1/4"
08.14.02.10.04.00010	NPT	F-2"	M-1/2"
08.14.02.10.04.00011	NPT	F-2"	M-3/4"
08.14.02.10.04.00012	NPT	F-2"	M-1"
08.14.02.10.04.00013	NPT	F-2"	M-1 1/4"
08.14.02.10.04.00014	NPT	F-2"	M-1 1/2"
08.14.02.10.04.00015	NPT	F-2 1/2"	M-1/2"
08.14.02.10.04.00016	NPT	F-2 1/2"	M-3/4"
08.14.02.10.04.00017	NPT	F-2 1/2"	M-1"
08.14.02.10.04.00018	NPT	F-2 1/2"	M-1 1/4"
08.14.02.10.04.00019	NPT	F-2 1/2"	M-1 1/2"
08.14.02.10.04.00020	NPT	F-2 1/2"	M-2"
08.14.02.10.04.00021	NPT	F-3"	M-1/2"
08.14.02.10.04.00022	NPT	F-3"	M-3/4"
08.14.02.10.04.00023	NPT	F-3"	M-1"
08.14.02.10.04.00024	NPT	F-3"	M-1 1/4"
08.14.02.10.04.00025	NPT	F-3"	M-1 1/2"
08.14.02.10.04.00026	NPT	F-3"	M-2"
08.14.02.10.04.00027	NPT	F-3"	M-2 1/2"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.14.02.03.04.00000	NPT	F-3/4"	M-1/2"
08.14.02.03.04.00001	NPT	F-1"	M-1/2"
08.14.02.03.04.00002	NPT	F-1"	M-3/4"
08.14.02.03.04.00003	NPT	F-1 1/4"	M-1/2"
08.14.02.03.04.00004	NPT	F-1 1/4"	M-3/4"
08.14.02.03.04.00005	NPT	F-1 1/4"	M-1"
08.14.02.03.04.00006	NPT	F-1 1/2"	M-1/2"
08.14.02.03.04.00007	NPT	F-1 1/2"	M-3/4"
08.14.02.03.04.00008	NPT	F-1 1/2"	M-1"
08.14.02.03.04.00009	NPT	F-1 1/2"	M-1 1/4"
08.14.02.03.04.00010	NPT	F-2"	M-1/2"
08.14.02.03.04.00011	NPT	F-2"	M-3/4"
08.14.02.03.04.00012	NPT	F-2"	M-1"
08.14.02.03.04.00013	NPT	F-2"	M-1 1/4"
08.14.02.03.04.00014	NPT	F-2"	M-1 1/2"
08.14.02.03.04.00015	NPT	F-2 1/2"	M-1/2"
08.14.02.03.04.00016	NPT	F-2 1/2"	M-3/4"
08.14.02.03.04.00017	NPT	F-2 1/2"	M-1"
08.14.02.03.04.00018	NPT	F-2 1/2"	M-1 1/4"
08.14.02.03.04.00019	NPT	F-2 1/2"	M-1 1/2"
08.14.02.03.04.00020	NPT	F-2 1/2"	M-2"
08.14.02.03.04.00021	NPT	F-3"	M-1/2"
08.14.02.03.04.00022	NPT	F-3"	M-3/4"
08.14.02.03.04.00023	NPT	F-3"	M-1"
08.14.02.03.04.00024	NPT	F-3"	M-1 1/4"
08.14.02.03.04.00025	NPT	F-3"	M-1 1/2"
08.14.02.03.04.00026	NPT	F-3"	M-2"
08.14.02.03.04.00027	NPT	F-3"	M-2 1/2"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel or  
stainless steel

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.14.03.10.04.00000	UNI 6125	F-3/4"	M-1/2"
08.14.03.10.04.00001	UNI 6125	F-1"	M-1/2"
08.14.03.10.04.00002	UNI 6125	F-1"	M-3/4"
08.14.03.10.04.00003	UNI 6125	F-1 1/4"	M-1/2"
08.14.03.10.04.00004	UNI 6125	F-1 1/4"	M-3/4"
08.14.03.10.04.00005	UNI 6125	F-1 1/4"	M-1"
08.14.03.10.04.00006	UNI 6125	F-1 1/2"	M-1/2"
08.14.03.10.04.00007	UNI 6125	F-1 1/2"	M-3/4"
08.14.03.10.04.00008	UNI 6125	F-1 1/2"	M-1"
08.14.03.10.04.00009	UNI 6125	F-1 1/2"	M-1 1/4"
08.14.03.10.04.00010	UNI 6125	F-2"	M-1/2"
08.14.03.10.04.00011	UNI 6125	F-2"	M-3/4"
08.14.03.10.04.00012	UNI 6125	F-2"	M-1"
08.14.03.10.04.00013	UNI 6125	F-2"	M-1 1/4"
08.14.03.10.04.00014	UNI 6125	F-2"	M-1 1/2"
08.14.03.10.04.00015	UNI 6125	F-2 1/2"	M-1/2"
08.14.03.10.04.00016	UNI 6125	F-2 1/2"	M-3/4"
08.14.03.10.04.00017	UNI 6125	F-2 1/2"	M-1"
08.14.03.10.04.00018	UNI 6125	F-2 1/2"	M-1 1/4"
08.14.03.10.04.00019	UNI 6125	F-2 1/2"	M-1 1/2"
08.14.03.10.04.00020	UNI 6125	F-2 1/2"	M-2"
08.14.03.10.04.00021	UNI 6125	F-3"	M-1/2"
08.14.03.10.04.00022	UNI 6125	F-3"	M-3/4"
08.14.03.10.04.00023	UNI 6125	F-3"	M-1"
08.14.03.10.04.00024	UNI 6125	F-3"	M-1 1/4"
08.14.03.10.04.00025	UNI 6125	F-3"	M-1 1/2"
08.14.03.10.04.00026	UNI 6125	F-3"	M-2"
08.14.03.10.04.00027	UNI 6125	F-3"	M-2 1/2"

CODE	STAINLESS STEEL		
	THREAD TYPE	SIZE	
08.14.03.03.04.00000	UNI 6125	F-3/4"	M-1/2"
08.14.03.03.04.00001	UNI 6125	F-1"	M-1/2"
08.14.03.03.04.00002	UNI 6125	F-1"	M-3/4"
08.14.03.03.04.00003	UNI 6125	F-1 1/4"	M-1/2"
08.14.03.03.04.00004	UNI 6125	F-1 1/4"	M-3/4"
08.14.03.03.04.00005	UNI 6125	F-1 1/4"	M-1"
08.14.03.03.04.00006	UNI 6125	F-1 1/2"	M-1/2"
08.14.03.03.04.00007	UNI 6125	F-1 1/2"	M-3/4"
08.14.03.03.04.00008	UNI 6125	F-1 1/2"	M-1"
08.14.03.03.04.00009	UNI 6125	F-1 1/2"	M-1 1/4"
08.14.03.03.04.00010	UNI 6125	F-2"	M-1/2"
08.14.03.03.04.00011	UNI 6125	F-2"	M-3/4"
08.14.03.03.04.00012	UNI 6125	F-2"	M-1"
08.14.03.03.04.00013	UNI 6125	F-2"	M-1 1/4"
08.14.03.03.04.00014	UNI 6125	F-2"	M-1 1/2"
08.14.03.03.04.00015	UNI 6125	F-2 1/2"	M-1/2"
08.14.03.03.04.00016	UNI 6125	F-2 1/2"	M-3/4"
08.14.03.03.04.00017	UNI 6125	F-2 1/2"	M-1"
08.14.03.03.04.00018	UNI 6125	F-2 1/2"	M-1 1/4"
08.14.03.03.04.00019	UNI 6125	F-2 1/2"	M-1 1/2"
08.14.03.03.04.00020	UNI 6125	F-2 1/2"	M-2"
08.14.03.03.04.00021	UNI 6125	F-3"	M-1/2"
08.14.03.03.04.00022	UNI 6125	F-3"	M-3/4"
08.14.03.03.04.00023	UNI 6125	F-3"	M-1"
08.14.03.03.04.00024	UNI 6125	F-3"	M-1 1/4"
08.14.03.03.04.00025	UNI 6125	F-3"	M-1 1/2"
08.14.03.03.04.00026	UNI 6125	F-3"	M-2"
08.14.03.03.04.00027	UNI 6125	F-3"	M-2 1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.25.07.24.04.00000	ISO 7/1	F-3/4"	M-1/2"
08.25.07.24.04.00001	ISO 7/1	F-1"	M-1/2"
08.25.07.24.04.00002	ISO 7/1	F-1"	M-3/4"
08.25.07.24.04.00003	ISO 7/1	F-1 1/4"	M-1/2"
08.25.07.24.04.00004	ISO 7/1	F-1 1/4"	M-3/4"
08.25.07.24.04.00005	ISO 7/1	F-1 1/4"	M-1"
08.25.07.24.04.00006	ISO 7/1	F-1 1/2"	M-1/2"
08.25.07.24.04.00007	ISO 7/1	F-1 1/2"	M-3/4"
08.25.07.24.04.00008	ISO 7/1	F-1 1/2"	M-1"
08.25.07.24.04.00009	ISO 7/1	F-1 1/2"	M-1 1/4"
08.25.07.24.04.00010	ISO 7/1	F-2"	M-1/2"
08.25.07.24.04.00011	ISO 7/1	F-2"	M-3/4"
08.25.07.24.04.00012	ISO 7/1	F-2"	M-1"
08.25.07.24.04.00013	ISO 7/1	F-2"	M-1 1/4"
08.25.07.24.04.00014	ISO 7/1	F-2"	M-1 1/2"
08.25.07.24.04.00015	ISO 7/1	F-2 1/2"	M-1/2"
08.25.07.24.04.00016	ISO 7/1	F-2 1/2"	M-3/4"
08.25.07.24.04.00017	ISO 7/1	F-2 1/2"	M-1"
08.25.07.24.04.00018	ISO 7/1	F-2 1/2"	M-1 1/4"
08.25.07.24.04.00019	ISO 7/1	F-2 1/2"	M-1 1/2"
08.25.07.24.04.00020	ISO 7/1	F-2 1/2"	M-2"
08.25.07.24.04.00021	ISO 7/1	F-3"	M-1/2"
08.25.07.24.04.00022	ISO 7/1	F-3"	M-3/4"
08.25.07.24.04.00023	ISO 7/1	F-3"	M-1"
08.25.07.24.04.00024	ISO 7/1	F-3"	M-1 1/4"
08.25.07.24.04.00025	ISO 7/1	F-3"	M-1 1/2"
08.25.07.24.04.00026	ISO 7/1	F-3"	M-2"
08.25.07.24.04.00027	ISO 7/1	F-3"	M-1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.25.02.24.04.00000	NPT	M-3/4"	M-1/2"
08.25.02.24.04.00001	NPT	M-1"	M-1/2"
08.25.02.24.04.00002	NPT	M-1"	M-3/4"
08.25.02.24.04.00003	NPT	M-1 1/4"	M-1/2"
08.25.02.24.04.00004	NPT	M-1 1/4"	M-3/4"
08.25.02.24.04.00005	NPT	M-1 1/4"	M-1"
08.25.02.24.04.00006	NPT	M-1 1/2"	M-1/2"
08.25.02.24.04.00007	NPT	M-1 1/2"	M-3/4"
08.25.02.24.04.00008	NPT	M-1 1/2"	M-1"
08.25.02.24.04.00009	NPT	M-1 1/2"	M-1 1/4"
08.25.02.24.04.00010	NPT	M-2"	M-1/2"
08.25.02.24.04.00011	NPT	M-2"	M-3/4"
08.25.02.24.04.00012	NPT	M-2"	M-1"
08.25.02.24.04.00013	NPT	M-2"	M-1 1/4"
08.25.02.24.04.00014	NPT	M-2"	M-1 1/2"
08.25.02.24.04.00015	NPT	M-2 1/2"	M-1/2"
08.25.02.24.04.00016	NPT	M-2 1/2"	M-3/4"
08.25.02.24.04.00017	NPT	M-2 1/2"	M-1"
08.25.02.24.04.00018	NPT	M-2 1/2"	M-1 1/4"
08.25.02.24.04.00019	NPT	M-2 1/2"	M-1 1/2"
08.25.02.24.04.00020	NPT	M-2 1/2"	M-2"
08.25.02.24.04.00021	NPT	M-3"	M-1/2"
08.25.02.24.04.00022	NPT	M-3"	M-3/4"
08.25.02.24.04.00023	NPT	M-3"	M-1"
08.25.02.24.04.00024	NPT	M-3"	M-1 1/4"
08.25.02.24.04.00025	NPT	M-3"	M-1 1/2"
08.25.02.24.04.00026	NPT	M-3"	M-2"
08.25.02.24.04.00027	NPT	M-3"	M-1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.25.03.24.04.00000	UNI 6125	M-3/4"	M-1/2"
08.25.03.24.04.00001	UNI 6125	M-1"	M-1/2"
08.25.03.24.04.00002	UNI 6125	M-1"	M-3/4"
08.25.03.24.04.00003	UNI 6125	M-1 1/4"	M-1/2"
08.25.03.24.04.00004	UNI 6125	M-1 1/4"	M-3/4"
08.25.03.24.04.00005	UNI 6125	M-1 1/4"	M-1"
08.25.03.24.04.00006	UNI 6125	M-1 1/2"	M-1/2"
08.25.03.24.04.00007	UNI 6125	M-1 1/2"	M-3/4"
08.25.03.24.04.00008	UNI 6125	M-1 1/2"	M-1"
08.25.03.24.04.00009	UNI 6125	M-1 1/2"	M-1 1/4"
08.25.03.24.04.00010	UNI 6125	M-2"	M-1/2"
08.25.03.24.04.00011	UNI 6125	M-2"	M-3/4"
08.25.03.24.04.00012	UNI 6125	M-2"	M-1"
08.25.03.24.04.00013	UNI 6125	M-2"	M-1 1/4"
08.25.03.24.04.00014	UNI 6125	M-2"	M-1 1/2"
08.25.03.24.04.00015	UNI 6125	M-2 1/2"	M-1/2"
08.25.03.24.04.00016	UNI 6125	M-2 1/2"	M-3/4"
08.25.03.24.04.00017	UNI 6125	M-2 1/2"	M-1"
08.25.03.24.04.00018	UNI 6125	M-2 1/2"	M-1 1/4"
08.25.03.24.04.00019	UNI 6125	M-2 1/2"	M-1 1/2"
08.25.03.24.04.00020	UNI 6125	M-2 1/2"	M-2"
08.25.03.24.04.00021	UNI 6125	M-3"	M-1/2"
08.25.03.24.04.00022	UNI 6125	M-3"	M-3/4"
08.25.03.24.04.00023	UNI 6125	M-3"	M-1"
08.25.03.24.04.00024	UNI 6125	M-3"	M-1 1/4"
08.25.03.24.04.00025	UNI 6125	M-3"	M-1 1/2"
08.25.03.24.04.00026	UNI 6125	M-3"	M-2"
08.25.03.24.04.00027	UNI 6125	M-3"	M-1/2"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**  
-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.26.07.24.04.00000	ISO 7/1	F-3/4"	F-1/2"
08.26.07.24.04.00001	ISO 7/1	F-1"	F-1/2"
08.26.07.24.04.00002	ISO 7/1	F-1"	F-3/4"
08.26.07.24.04.00003	ISO 7/1	F-1 1/4"	F-1/2"
08.26.07.24.04.00004	ISO 7/1	F-1 1/4"	F-3/4"
08.26.07.24.04.00005	ISO 7/1	F-1 1/4"	F-1"
08.26.07.24.04.00006	ISO 7/1	F-1 1/2"	F-1/2"
08.26.07.24.04.00007	ISO 7/1	F-1 1/2"	F-3/4"
08.26.07.24.04.00008	ISO 7/1	F-1 1/2"	F-1"
08.26.07.24.04.00009	ISO 7/1	F-1 1/2"	F-1 1/4"
08.26.07.24.04.00010	ISO 7/1	F-2"	F-1/2"
08.26.07.24.04.00011	ISO 7/1	F-2"	F-3/4"
08.26.07.24.04.00012	ISO 7/1	F-2"	F-1"
08.26.07.24.04.00013	ISO 7/1	F-2"	F-1 1/4"
08.26.07.24.04.00014	ISO 7/1	F-2"	F-1/2"
08.26.07.24.04.00015	ISO 7/1	F-2 1/2"	F-1/2"
08.26.07.24.04.00016	ISO 7/1	F-2 1/2"	F-3/4"
08.26.07.24.04.00017	ISO 7/1	F-2 1/2"	F-1"
08.26.07.24.04.00018	ISO 7/1	F-2 1/2"	F-1 1/4"
08.26.07.24.04.00019	ISO 7/1	F-2 1/2"	F-1/2"
08.26.07.24.04.00020	ISO 7/1	F-2 1/2"	F-2"
08.26.07.24.04.00021	ISO 7/1	F-3"	F-1/2"
08.26.07.24.04.00022	ISO 7/1	F-3"	F-3/4"
08.26.07.24.04.00023	ISO 7/1	F-3"	F-1"
08.26.07.24.04.00024	ISO 7/1	F-3"	F-1 1/4"
08.26.07.24.04.00025	ISO 7/1	F-3"	F-1/2"
08.26.07.24.04.00026	ISO 7/1	F-3"	F-2"
08.26.07.24.04.00027	ISO 7/1	F-3"	F-1/2"



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:** Galvanized steel

**Protection degree:** IP66

**IECEx applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.26.02.24.04.00000	NPT	F-3/4"	F-1/2"
08.26.02.24.04.00001	NPT	F-1"	F-1/2"
08.26.02.24.04.00002	NPT	F-1"	F-3/4"
08.26.02.24.04.00003	NPT	F-1 1/4"	F-1/2"
08.26.02.24.04.00004	NPT	F-1 1/4"	F-3/4"
08.26.02.24.04.00005	NPT	F-1 1/4"	F-1"
08.26.02.24.04.00006	NPT	F-1 1/2"	F-1/2"
08.26.02.24.04.00007	NPT	F-1 1/2"	F-3/4"
08.26.02.24.04.00008	NPT	F-1 1/2"	F-1"
08.26.02.24.04.00009	NPT	F-1 1/2"	F-1 1/4"
08.26.02.24.04.00010	NPT	F-2"	F-1/2"
08.26.02.24.04.00011	NPT	F-2"	F-3/4"
08.26.02.24.04.00012	NPT	F-2"	F-1"
08.26.02.24.04.00013	NPT	F-2"	F-1 1/4"
08.26.02.24.04.00014	NPT	F-2"	F-1/2"
08.26.02.24.04.00015	NPT	F-2 1/2"	F-1/2"
08.26.02.24.04.00016	NPT	F-2 1/2"	F-3/4"
08.26.02.24.04.00017	NPT	F-2 1/2"	F-1"
08.26.02.24.04.00018	NPT	F-2 1/2"	F-1 1/4"
08.26.02.24.04.00019	NPT	F-2 1/2"	F-1/2"
08.26.02.24.04.00020	NPT	F-2 1/2"	F-2"
08.26.02.24.04.00021	NPT	F-3"	F-1/2"
08.26.02.24.04.00022	NPT	F-3"	F-3/4"
08.26.02.24.04.00023	NPT	F-3"	F-1"
08.26.02.24.04.00024	NPT	F-3"	F-1 1/4"
08.26.02.24.04.00025	NPT	F-3"	F-1/2"
08.26.02.24.04.00026	NPT	F-3"	F-2"
08.26.02.24.04.00027	NPT	F-3"	F-1/2"



**Execution:**  
Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-7,  
EN 60079-31

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Protection degree:** IP66

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-7,  
IEC 60079-31

**Material:** Galvanized steel

**Ambient temperature:**  
-50°C / +130°C

CODE	GALVANIZED STEEL		
	THREAD TYPE	SIZE	
08.26.03.24.04.00000	UNI 6125	F-3/4"	F-1/2"
08.26.03.24.04.00001	UNI 6125	F-1"	F-1/2"
08.26.03.24.04.00002	UNI 6125	F-1"	F-3/4"
08.26.03.24.04.00003	UNI 6125	F-1 1/4"	F-1/2"
08.26.03.24.04.00004	UNI 6125	F-1 1/4"	F-3/4"
08.26.03.24.04.00005	UNI 6125	F-1 1/4"	F-1"
08.26.03.24.04.00006	UNI 6125	F-1 1/2"	F-1/2"
08.26.03.24.04.00007	UNI 6125	F-1 1/2"	F-3/4"
08.26.03.24.04.00008	UNI 6125	F-1 1/2"	F-1"
08.26.03.24.04.00009	UNI 6125	F-1 1/2"	F-1 1/4"
08.26.03.24.04.00010	UNI 6125	F-2"	F-1/2"
08.26.03.24.04.00011	UNI 6125	F-2"	F-3/4"
08.26.03.24.04.00012	UNI 6125	F-2"	F-1"
08.26.03.24.04.00013	UNI 6125	F-2"	F-1 1/4"
08.26.03.24.04.00014	UNI 6125	F-2"	F-1/2"
08.26.03.24.04.00015	UNI 6125	F-2 1/2"	F-1/2"
08.26.03.24.04.00016	UNI 6125	F-2 1/2"	F-3/4"
08.26.03.24.04.00017	UNI 6125	F-2 1/2"	F-1"
08.26.03.24.04.00018	UNI 6125	F-2 1/2"	F-1 1/4"
08.26.03.24.04.00019	UNI 6125	F-2 1/2"	F-1/2"
08.26.03.24.04.00020	UNI 6125	F-2 1/2"	F-2"
08.26.03.24.04.00021	UNI 6125	F-3"	F-1/2"
08.26.03.24.04.00022	UNI 6125	F-3"	F-3/4"
08.26.03.24.04.00023	UNI 6125	F-3"	F-1"
08.26.03.24.04.00024	UNI 6125	F-3"	F-1 1/4"
08.26.03.24.04.00025	UNI 6125	F-3"	F-1/2"
08.26.03.24.04.00026	UNI 6125	F-3"	F-2"
08.26.03.24.04.00027	UNI 6125	F-3"	F-1/2"



**DRAIN and BREATHER**



**Execution:**

Ex d / Ex e IIC Gb  
Ex tb IIIC Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**

-50°C / +130°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Stainless steel

CODE	STAINLESS STEEL	
	THREAD TYPE	SIZE
08.18.01.03.05.00000	O-ring, star washer and locknut	M20x1,5
08.18.02.03.05.00000	-	1/2" ISO 7/1, NPT

**DRAIN PLUG**



**Execution:**

Ex e IIC Gb  
Ex tb IIIC Db

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**IECEX applicable standards:**

IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**

-60°C / +85°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Material:** Stainless steel

CODE	STAINLESS STEEL	
	THREAD TYPE	SIZE
08.18.01.03.03.00000	Silicone O-ring	M20x1,5



**Execution:**  
Ex d IIC Gb  
Ex tb IIIC Db IP66/67

**Protection degree:**  
IP66  
IP67

**Atex applicable standards:**  
EN 60079-0, EN 60079-1, EN 60079-31

**IECEx applicable standards:**  
IEC 60070-0, IEC 60079-1, IEC 60079-31

**Ambient temperature:**  
-50°C / +80°C

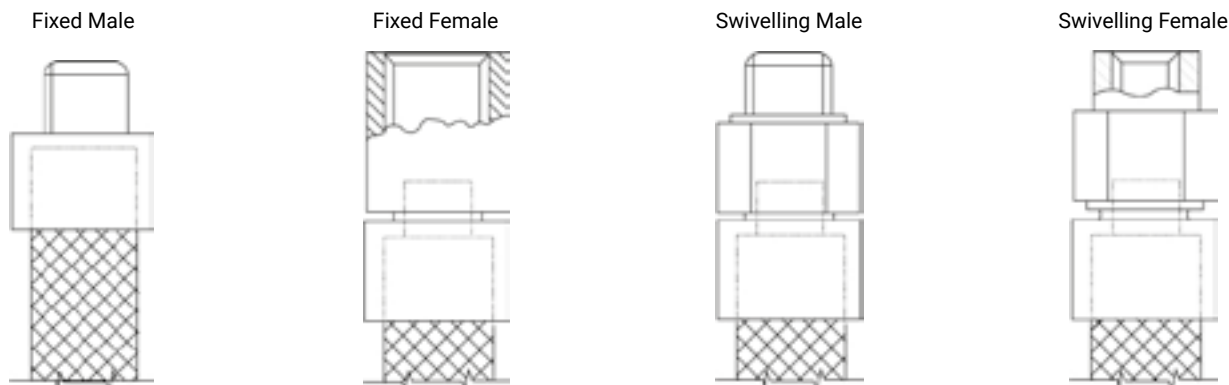
**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**Material:**  
Inner pipe and external braid -  
Stainless steel  
Threaded terminals - Galvanized  
steel  
Stainless steel AISI 304 or 316 is  
available on request

**Description:** Flexible conduits are installed where connection must be made to equipment subjects to vibration: motors, pumps, etc. they are also favoured for connection to pendant lighting fitting and at bends where rigid conduit is difficult to handle.

NOMINAL Ø	INTERNAL Ø (mm)	EXTERNAL Ø (mm)	MINIMUM BEND RADIUS
½"	12	21,5	75
¾"	19	29	90
1"	25	37,5	105
1¼"	32	46,3	135
1½"	38	53	170
2"	50	68	190
2½"(*)	63	85	230
3"	75	99	260

The following types of fittings are available





**Applicable standards:**  
UNI 7683

**Material:** Steel Fe360

**Protective coating:** hot dip galvanizing  
in compliance with EN 10240

**Description:** Rigid conduits are installed where connection must be made to equipment subjects to vibration: motors, pumps, etc. they are also favoured for connection to pendant lighting fitting and at bends where rigid conduit is difficult to handle.

CODE	THREAD TYPE	NOMINAL Ø	EXTERNAL Ø (mm)	WALL THICKNESS (mm)	LENGHT (m)	WEIGHT (Kg/m)
16.01.02.09.07.00000	NPT	1/2"	21,3	2,3	6,0	1,17
16.01.02.09.07.00001	NPT	3/4"	26,9	2,3	6,0	1,46
16.01.02.09.07.00002	NPT	1"	33,7	2,9	6,0	2,30
16.01.02.09.07.00003	NPT	1 ¼"	42,4	2,9	6,0	2,96
16.01.02.09.07.00004	NPT	1 ½"	48,3	2,9	6,0	3,39
16.01.02.09.07.00005	NPT	2"	60,3	3,2	6,0	4,70
16.01.02.09.07.00006	NPT	2 ½"	76,1	3,2	6,0	6,04
16.01.02.09.07.00007	NPT	3"	88,9	3,6	6,0	7,94
16.01.02.09.07.00008	NPT	4"	114,3	4,0	6,0	11,39

**Note:** Optional lenght 3 m

CODE	THREAD TYPE	NOMINAL Ø	EXTERNAL Ø (mm)	WALL THICKNESS (mm)	LENGHT (m)	WEIGHT (Kg/m)
16.01.01.09.07.00000	UNI 6125	1/2"	21,3	2,3	6,0	1,17
16.01.01.09.07.00001	UNI 6125	3/4"	26,9	2,3	6,0	1,46
16.01.01.09.07.00002	UNI 6125	1"	33,7	2,9	6,0	2,30
16.01.01.09.07.00003	UNI 6125	1 ¼"	42,4	2,9	6,0	2,96
16.01.01.09.07.00004	UNI 6125	1 ½"	48,3	2,9	6,0	3,39
16.01.01.09.07.00005	UNI 6125	2"	60,3	3,2	6,0	4,70
16.01.01.09.07.00006	UNI 6125	2 ½"	76,1	3,2	6,0	6,04
16.01.01.09.07.00007	UNI 6125	3"	88,9	3,6	6,0	7,94
16.01.01.09.07.00008	UNI 6125	4"	114,3	4,0	6,0	11,39

**Note:** Optional lenght 3 m

CODE	THREAD TYPE	NOMINAL Ø	EXTERNAL Ø (mm)	WALL THICKNESS (mm)	LENGHT (m)	WEIGHT (Kg/m)
	ISO 7/1	1/2"	21,3	2,3	6,0	1,17
	ISO 7/1	3/4"	26,9	2,3	6,0	1,46
	ISO 7/1	1"	33,7	2,9	6,0	2,30
	ISO 7/1	1 ¼"	42,4	2,9	6,0	2,96
	ISO 7/1	1 ½"	48,3	2,9	6,0	3,39
	ISO 7/1	2"	60,3	3,2	6,0	4,70
	ISO 7/1	2 ½"	76,1	3,2	6,0	6,04
	ISO 7/1	3"	88,9	3,6	6,0	7,94
	ISO 7/1	4"	114,3	4,0	6,0	11,39

**Note:** Optional lenght 3 m



**Standards of construction:**

ANSI C80.1, UL 6

**Standards of use:**

NEC: Art. 344 Rigid Metal Conduit, Art. 250.118 (2)  
 NEC: Art. 501.10 (A) (1) and (B) (1)  
 Class I Div. 1 & 2, Art. 502.10(B) (1)  
 Class II Div. 2, Art. 503.10 (A) (1) and (B)  
 Class III Div. 1 & 2

**Material:** Hot dip galvanized steel

On request aluminium, stainless steel  
 AISI 304 or AISI 316

**Description:** Threaded electrical conduits designed according to Art. 344 ANSI/NFPA 70 "National Electrical Code" (NEC). These conduits are used for high mechanical protection and routing of conductors and cables. They reduce electromagnetic field exposure, shields against electromagnetic interference.

CODE	THREAD TYPE	SIZE	NOMINAL Ø (mm)	DIMENSIONS		L [ft (m)]	INTERNAL CROSS SECTION (mm²)	WEIGHT (Kg/m)
				Di (mm)	De (mm)			
16.01.02.09.09.00000	NPT	1/2"	15	16,1	21,3	10 (3,05)	204	3,72
16.01.02.09.09.00001	NPT	3/4"	20	21,2	26,7	10 (3,05)	353	4,94
16.01.02.09.09.00002	NPT	1"	25	27	33,4	10 (3,05)	573	7,3
16.01.02.09.09.00003	NPT	1 ¼"	32	35,4	41,2	10 (3,05)	984	9,89
16.01.02.09.09.00004	NPT	1 ½"	40	41,2	48,3	10 (3,05)	1333	11,93
16.01.02.09.09.00005	NPT	2"	50	52,9	60,3	10 (3,05)	2198	15,88
16.01.02.09.09.00006	NPT	2 ½"	65	63,2	73	10 (3,05)	3137	25,36
16.01.02.09.09.00007	NPT	3"	80	78,5	88,9	10 (3,05)	4840	32,98
16.01.02.09.09.00008	NPT	3 ½"	90	90,7	101,6	10 (3,05)	6461	39,92
16.01.02.09.09.00009	NPT	4"	100	102,9	114,3	10 (3,05)	8316	46,72
16.01.02.09.09.00010	NPT	5"	125	128,9	141,3	10 (3,05)	13050	63,5
16.01.02.09.09.00011	NPT	6"	150	154,8	168,3	10 (3,05)	18821	83,46



**Material:** Aluminium

**Description:** The bushings are screwed at the end of the conduit pipe, thereby acting as a form of «cable protection»; that is, they stop the cable from being damaged by rubbing against any rough edges that may be present in the pipe. The thread used is GAS (UNI ISO 228).

CODE	THREAD TYPE	SIZE
08.02.04.01.02.00001	ISO 228	1/2"
08.02.04.01.02.00002	ISO 228	3/4"
08.02.04.01.02.00003	ISO 228	1"
08.02.04.01.02.00004	ISO 228	1 ¼"
08.02.04.01.02.00005	ISO 228	1 ½"
08.02.04.01.02.00006	ISO 228	2"
08.02.04.01.02.00007	ISO 228	2 ½"
08.02.04.01.02.00008	ISO 228	3"
08.02.04.01.02.00000	ISO 228	4"

CODE	THREAD TYPE	SIZE
08.02.01.01.02.00000	ISO Metric	M29 x 1,5
08.02.01.01.02.00001	ISO Metric	M25 x 1,5
08.02.01.01.02.00002	ISO Metric	M32 x 1,5
08.02.01.01.02.00003	ISO Metric	M40 x 1,5
08.02.01.01.02.00004	ISO Metric	M50 x 1,5
08.02.01.01.02.00005	ISO Metric	M63 x 1,5
08.02.01.01.02.00006	ISO Metric	M75 x 1,5
08.02.01.01.02.00007	ISO Metric	M90 x 1,5
08.02.01.01.02.00008	ISO Metric	M100 x 1,5



**Material:** Aluminium

**Description:** The bushings are screwed on at the end of the conduit pipe, thereby acting as a form of «cable protection»; that is, they stop the cable from being damaged by rubbing against any rough edges that may be present in the pipe. The thread used is the GAS (UNI ISO 228 type). Equipped with earth screw connection.

CODE	THREAD TYPE	SIZE
08.03.04.01.02.00001	ISO 228	1/2"
08.03.04.01.02.00002	ISO 228	3/4"
08.03.04.01.02.00003	ISO 228	1"
08.03.04.01.02.00004	ISO 228	1 ¼"
08.03.04.01.02.00005	ISO 228	1 ½"
08.03.04.01.02.00006	ISO 228	2"
08.03.04.01.02.00007	ISO 228	2 ½"
08.03.04.01.02.00008	ISO 228	3"
08.03.04.01.02.00000	ISO 228	4"

CODE	THREAD TYPE	SIZE
08.03.01.01.02.00001	ISO Metric	M20x1.5
08.03.01.01.02.00000	ISO Metric	M25x1.5
08.03.01.01.02.00002	ISO Metric	M32x1.5
08.03.01.01.02.00003	ISO Metric	M40x1.5
08.03.01.01.02.00004	ISO Metric	M50x1.5
08.03.01.01.02.00005	ISO Metric	M63x1.5
08.03.01.01.02.00006	ISO Metric	M75x1.5
08.03.01.01.02.00007	ISO Metric	M90x1.5



**Gas explosion execution:**

Ex d IIC T6 Gb  
(suitable for Zone 1 and Zone 2)

**Dust explosion execution:**

Ex tb IIIC T80°C Db IP66  
(suitable for Zone 21 and Zone 22)

**Degree of protection:** IP66

**Applicable standards:**

EN 60079-0 ; EN 60079-1 ; EN 60079-31

**Earthing protection:**

M5 (internal and external earth bolts)

**Power controller:**

Wide voltage input, CC-CV  
(constant current – constant voltage)  
output, power factor  $\geq 0.98$ , with function  
of distributed current, constant current,  
surge-proof and anti-electromagnetic  
interference, protection against  
overcurrent, open circuit and short circuit.

**Lamp power:**

9W x 1 ; 9W x 2 ; 18W x 1 ; 18W x 2

**Rated voltage:** 110 ÷ 265V 50/60Hz

**Terminals:** 3 x 1,5 ÷ 4 sqmm (L+N+PE)

**Cable entries:** 2 x M25

**Ambient temperature:** -40°C / +55°C

**Material:**

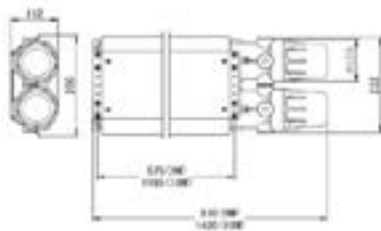
Enclosure - Copper free aluminium,  
powder coated surface yellow colour  
RAL 1021

Glass tube - Toughened glass  
Wire guard (optional) - Powder coated  
carbon steel (white) or stainless steel  
Exposed fastener - Stainless steel

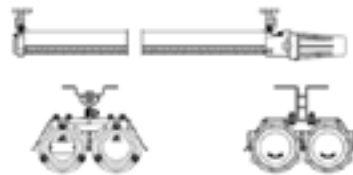
**Mounting:** Ceiling type; pole type

CODE	LAMP POWER (W)	WEIGHT (Kg)	MOUNTING
04.01.06.01.04.00000	9 x 1	5.50	CEILING
04.01.06.01.04.00001	9 x 1	5.90	POLE
04.01.06.01.04.00002	9 x 2	9.80	CEILING
04.01.06.01.04.00003	9 x 2	10.50	POLE
04.01.06.01.04.00004	18 x 1	8.30	CEILING
04.01.06.01.04.00005	18 x 1	8.70	POLE
04.01.06.01.04.00006	18 x 2	15.70	CEILING
04.01.06.01.04.00007	18 x 2	16.49	POLE

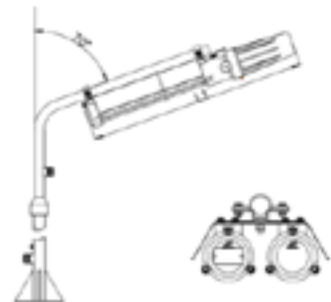
**EVF-LED X2**



**EVF-LED explosion-proof light fittings for fluorescent lamp (double-tube, ceiling type)**



**EVF-LED explosion-proof light fittings for fluorescent lamp (double-tube, pole type)**



Explosion-proof lighting fixture for tubular fluorescent lamp



**Gas explosion execution:**

Ex d IIC T6 Gb  
(suitable for Zone 1 and Zone 2)

**Dust explosion execution:**

Ex tb IIIC T80°C Db IP66  
(suitable for Zone 21 and Zone 22)

**Degree of protection:** IP66

**Applicable standards:**

EN 60079-0 ; EN 60079-1 ; EN 60079-31

**Earthing protection:**

M5 (internal and external earth bolts)

**Ballast:**

Electronic ballast, wide voltage range, rapid starting, stable performance, power factor  $\geq 0.95$ . End of lamp life (EOL) rectification effect protection.

**Lamp specification:**

Fluorescent tubular lamp T8 (supplied with the lighting fixture).

**Lamp power:**

18W x 1 ; 18W x 2 ; 36W x 1 ; 36W x 2 ; 58W x 1 ; 58W x 2

**Rated voltage:** 100 ÷ 300V 50/60Hz

**Terminals:** 3 x 1,5 ÷ 4 sqmm (L+N+PE)

**Cable entries:** 2 x M25 (4 x M25 emergency version)

**Ambient temperature:** -20°C / +55°C

**Material:**

Enclosure - Copper free aluminium, powder coated surface yellow colour RAL 1021

Glass tube - Toughened glass  
Wire guard (optional) - Powder coated carbon steel (white) or stainless steel  
Exposed fastener - Stainless steel

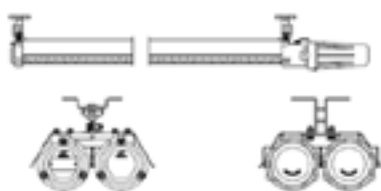
**Mounting:** Ceiling type; pole type

CODE	LAMP POWER (W)	WEIGHT (Kg)	MOUNTING
04.01.02.01.04.00000	18 x 1	5.60	CEILING
04.01.02.01.04.00001	18 x 1	6.50	POLE
04.01.02.01.04.00002	36 x 1	8.80	CEILING
04.01.02.01.04.00003	36 x 1	9.30	POLE
04.01.02.01.04.00004	58 x 1	10.40	CEILING
04.01.02.01.04.00005	58 x 1	10.85	POLE
04.01.02.01.04.00006	18 x 2	10.60	CEILING
04.01.02.01.04.00007	18 x 2	11.55	POLE
04.01.02.01.04.00008	36 x 2	16.30	CEILING
04.01.02.01.04.00009	36 x 2	16.85	POLE
04.01.02.01.04.00010	58 x 2	18.30	CEILING
04.01.02.01.04.00011	58 x 2	19.20	POLE

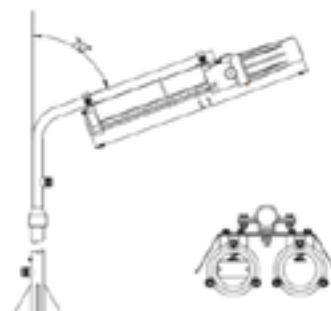
CODE (Emergency version)	LAMP POWER (W)	WEIGHT (Kg)	MOUNTING
04.01.02.01.04.00012	18 x 2	14.50	CEILING
04.01.02.01.04.00013	36 x 2	20.20	POLE
04.01.02.01.04.00014	58 x 2	22.20	CEILING
04.01.02.01.04.00015	18 x 2	14.60	POLE
04.01.02.01.04.00016	36 x 2	20.30	CEILING
04.01.02.01.04.00017	58 x 2	22.30	POLE

**Note:** Emergency lighting time 120 min (optionally 180 min)

**EVF explosion-proof light fittings for fluorescent lamp (double-tube, ceiling type)**



**EVF explosion-proof light fittings for fluorescent lamp (double-tube, pole type)**







**Gas explosion execution:**

II 2 G Ex d IIC T6/T5 Gb  
(suitable for Zone 1 and Zone 2)

**Dust explosion execution:**

II 2 D Ex t IIIC T80°C/T95°C Db IP66  
(suitable for Zone 21 and Zone 22)

**Degree of protection:** IP66

**Applicable standards:**

EN 60079-0: 2009; EN 60079-1: 2007;  
EN 60079-31: 2009; IEC 60079-0: 2007;  
IEC 60079-1: 2007; IEC 60079-31: 2008

**Earthing protection:**

M5 (internal and external earth bolts)

**Power controller:**

Wide voltage input, CC-CV  
(constant current – constant voltage)  
output, power factor  $\geq 0.98$ , with function of  
distributed current, constant current, surge-  
proof and anti-electromagnetic interference,  
protection against overcurrent, open circuit  
and short circuit.

**Lamp power:**

20W, 30W, 50W, 70W, 100W, 120W

**Rated voltage:** 187 ÷ 265V AC 50/60Hz

**Terminals:** 3 x 1,5 ÷ 4 sqmm (L+N+PE)

**Cable entries:**

30W type: G3/4" (NPT 3/4" or M25 x 1.5 with  
reducer on request)

70/120W type:

1 x G3/4" (pendant pole type and hook type)

4 x M25x1.5 (wall type and ceiling type)

1 x G1" (pole type)

**Ambient temperature:**

-40°C / +55°C: T5/T95°C

-40°C / +40°C: T6/T80°C

**Material:**

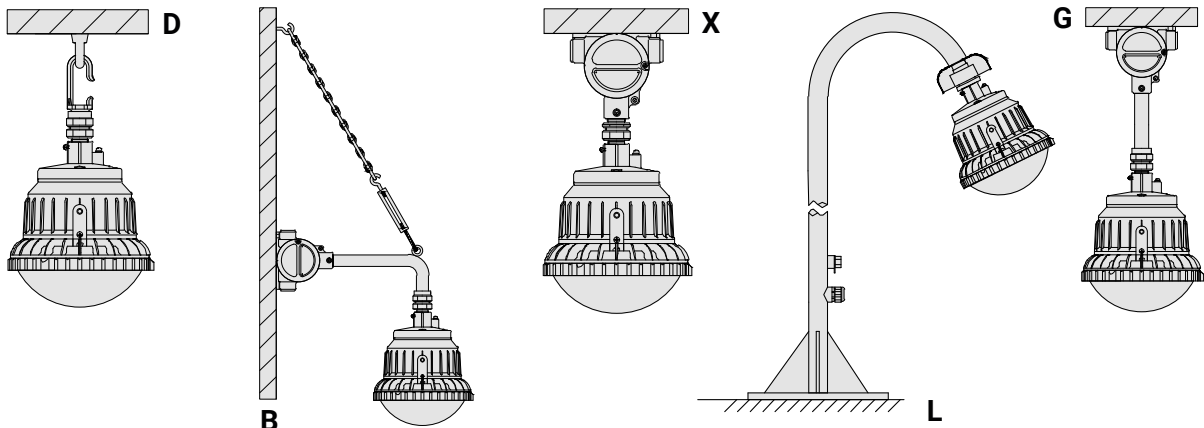
Enclosure - Copper free aluminium,  
powder coated surface yellow colour  
RAL 1021

Toughened glass

Exposed fastener - Stainless steel

**Mounting:** Ceiling type; pole type;  
pendant pole type; wall type; hook type

CODE	LAMP POWER (W)	WEIGHT (Kg)	MOUNTING
04.01.06.01.04.00016	20, 30	3,64	D: HOOK
04.01.06.01.04.00017	20, 30	4,05	X: CEILING
04.01.06.01.04.00018	20, 30	4,45	G: PENDANT
04.01.06.01.04.00019	20, 30	3,25	L: POLE
04.01.06.01.04.00020	20, 30	4,42	B: WALL
04.01.06.01.04.00021	50, 70	6,50	D: HOOK
04.01.06.01.04.00022	50, 70	7,40	X: CEILING
04.01.06.01.04.00023	50, 70	7,80	G: PENDANT
04.01.06.01.04.00024	50, 70	7,70	L: POLE
04.01.06.01.04.00025	50, 70	9,20	B: WALL
04.01.06.01.04.00026	100, 120	7,50	D: HOOK
04.01.06.01.04.00027	100, 120	8,40	X: CEILING
04.01.06.01.04.00028	100, 120	8,80	G: PENDANT
04.01.06.01.04.00029	100, 120	8,70	L: POLE
04.01.06.01.04.00030	100, 120	10,20	B: WALL





**Execution:**

II 2 G Ex d IIB T6

**Degree of protection:** IP66

**Power supply (neon):**

electronic ballast 230V/240V 50/60Hz  
(cos p ≥ 0,98)

**Power supply (LED):**

electronic ballast 230V/240V 50/60Hz  
(always on - maintained)  
electronic ballast 120V/240V 50/60Hz  
(network only – not maintained)

**Lampholder:** G5 cap (fluorescent lamp only)

**Terminals:** suitable up to 4sq/mm cables

**Cable entries:** 3/4" NPT c/w cable gland

**Internal wiring:** high-temperature resistant  
silicon rubber insulation cables

**Emergency unit:** emergency unit for  
maintained and not maintained (see  
technical data)

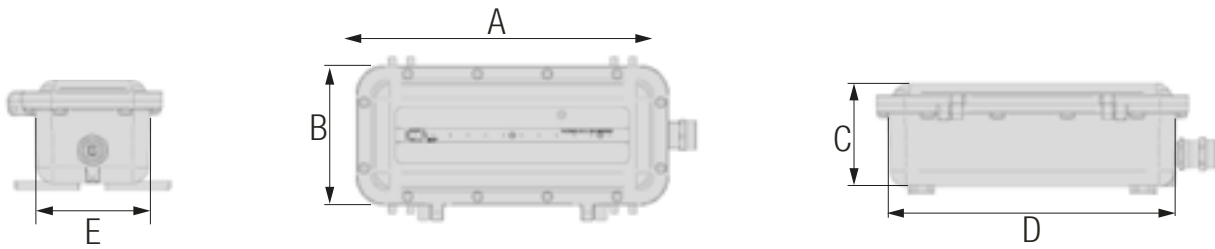
**Ambient temperature:** -60°C / +60°C

**Material:**

Body - copper free aluminium with  
external epoxy powder paint RAL 9006  
Diffuser - tempered front glass  
External screws - stainless steel  
Reflector -white stove enamelled sheet  
steel

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	LAMP POWER (W)	FUNCTIONAL FEATURES	EMERGENCY UNIT	AUTONOMY (Hours)
04.01.02.01.04.00018	8	Network only: 8W fluorescent lamp and electronic ballast 230V/240V 50/60Hz.	NO	-
04.01.02.01.04.00019	8	Emergency Only (not maintained)	3,6V - 2A/h	3
04.01.02.01.04.00020	8	Emergency Only (maintained)	3,6V - 4A/h	3



CODE	POWER SUPPLY	LAMP POWER (W)	mA (LED)	FUNCTIONAL FEATURES	EMERGENCY UNIT	AUTONOMY (Hour)
04.01.06.01.04.00012	120 ÷ 240V AC/DC	4,8	350	Network only: with high brightness LEDs (350mA - 4,8W) supply from 120V up to 240V AC/DC.	NO	-
04.01.06.01.04.00013	230 ÷ 240V AC	1,1	350	Emergency only - not maintained: with high brightness LEDs (350mA - 1,1W) supply from 230V/240V AC and 6V - 2Ah emergency unit complete with charge status monitor LED system (RED: battery under charging - GREEN: battery loaded).	3,6V - 2A/h	3
04.01.06.01.04.00014	120 ÷ 240V AC/DC	9,16	350	Network only: with high brightness LEDs (350mA - 4,8W) supply from 120V up to 240V AC/DC.	NO	-
04.01.06.01.04.00015	100 ÷ 240V AC	4,8	350	Always on - maintained: with high brightness LEDs (350mA - 4,8W) supply from 100V up to 240V AC and 6V - 2Ah emergency unit complete with charge status monitor LED system (RED: battery under charging - GREEN: battery loaded).	12V - 2A/h	3

ALL CODES	DIMENSIONS (mm)					CABLE ENTRY	WEIGHT (Kg)
	A	B	C	D	E		
	380	170	125	370	125		



**Execution:**

II 2 G Ex d IIC T4 Gb  
II 2 G Ex tb IIIC T135°C

**Degree of protection:** IP66

**Cable entries:**

1/2" NPT threaded

**Power supply:**

32W 120 or 230 or 270 Vac 700mA,  
frequency 50 ÷ 60 Hz ± 5% (4 LED)  
48W 100 or 270 Vac 700mA, frequency  
50 ÷ 60 Hz ± 5% (6 LED)

**Lamp type:**

4 LED DA 8W – minimum brightness  
3500lm approx., LED type "Cold-white" –  
EFFICIENCY > 83% equivalent to 400W  
incandescent lamp.  
6 LED DA 8W – minimum brightness  
5500lm approx., LED type "Cold-white" –  
EFFICIENCY > 83% equivalent to 500W  
incandescent lamp.

**Internal wiring:** high-temperature resistant  
silicon rubber insulation cables

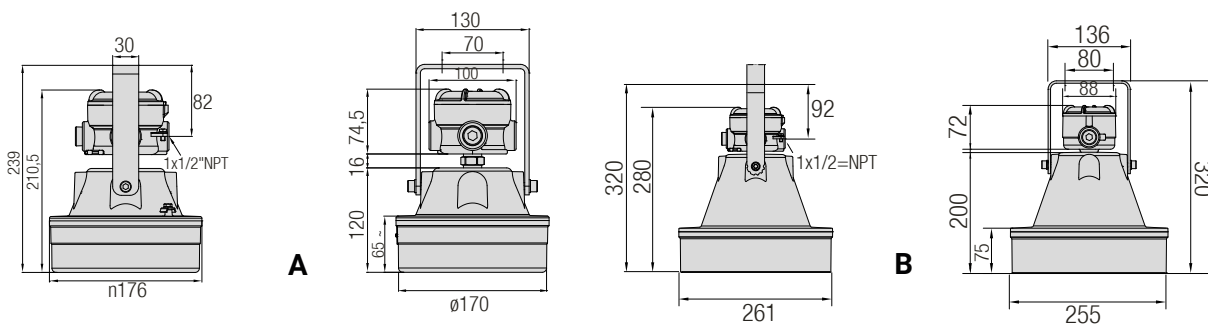
**Ambient temperature:** -60°C / +60°C

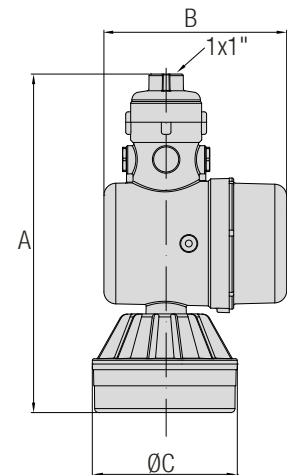
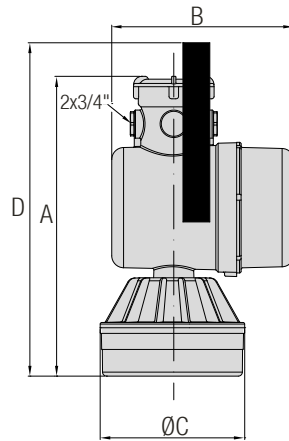
**Material:**

Body - copper free aluminium with  
epoxy powders paint RAL 9006  
Diffuser - tempered front glass  
Support - adjustable type hot dip  
galvanized steel  
Reflector - internal polished aluminium  
External screws - stainless steel  
Gaskets - silicon rubber

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	LED NUMBER	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	WEIGHT (Kg)	FIGURE
04.01.06.01.04.00008	4	32	POWER LED	1 x 1/2" NPT	4,50	A
04.01.06.01.04.00009	6	48	POWER LED	1 x 1/2" NPT	7,00	B





**Execution:**

II 2 G Ex d IIC T4 Gb  
II 2 D Ex tb IIIC T135°C Db

**Degree of protection:** IP66

**Cable entries:**

1 x 1" NPT (with pole mounting)  
2 x 3/4" (with universal bracket)

**Power supply:** 48W 100-270 Vac 700mA, frequency 50 ÷ 60 Hz ± 5% (6 LED)

**Lamp type:**

6 LED DA 8W – minimum brightness 5500lm approx., LED type "Cold-white" – EFFICIENCY > 83% equivalent to 500W incandescent lamp

**Internal wiring:** high-temperature resistant silicon rubber insulation cables

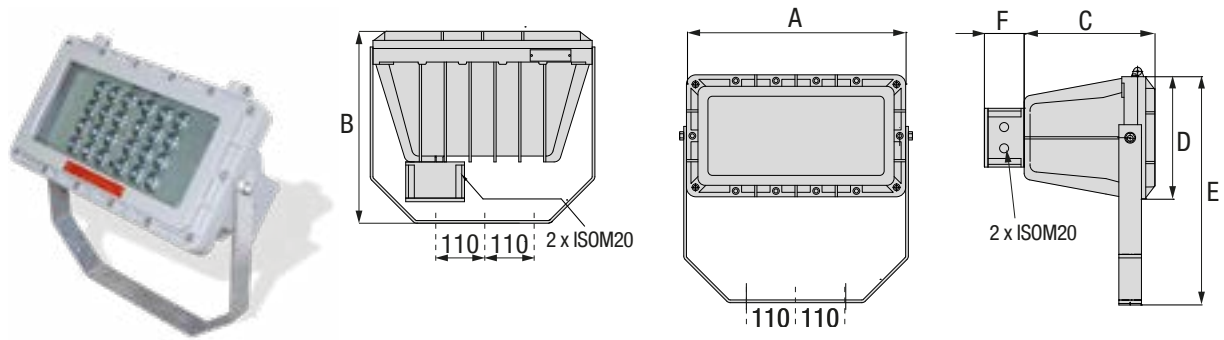
**Ambient temperature:** -60°C / +60°C

**Material:**

Body - copper free aluminium with epoxy powders paint RAL 9006  
Globe - high-temperature resistant borosilicate glass  
External screws - stainless steel  
Gaskets - silicon rubber

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	LED NUMBER	LAMP POWER (W)	LAMP HOLDER TYPE	CABLE ENTRY SIZE	DIMENSIONS (mm)				WEIGHT (Kg)	FIGURE
					A	B	C	D		
04.01.06.01.04.00010	6	48	POWER LED	2 x 3/4" (staffa universale universal bracket)	360	225	176	365	6,80	A
04.01.06.01.04.00011	6	48	POWER LED	1 x 1" (attacco pastorale pole mounting)	400	225	176	-	6,80	B



**Execution:**

II 2 G Ex d IIB+H2 T4  
II 2 G Ex de IIB+H2 T4

**Degree of protection:** IP66

**Cable entries:**

M25 / 3/4"NPT

**Power supply:** 192W 230Vac frequency  
50Hz (cos p ≥ 0,98)

**Lamp type:**

24 LED by 8W (700 mA) – luminous flux  
25000lm – LED type “cold-white” equivalent  
to 400W HPNA/MH lamp porcelain E40 size

**Internal wiring:** high-temperature resistant  
silicon rubber insulation cables

**Terminals:** suitable up to 4 sq/mm cables

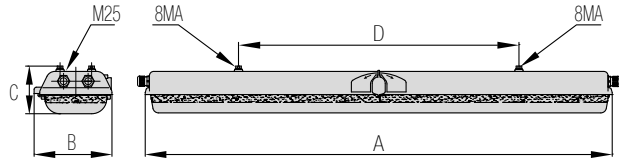
**Ambient temperature:** -20°C / +60°C

**Material:**

Body - copper free aluminium with  
epoxy powders paint RAL 9006  
Diffuser - tempered front glass  
Support - adjustable type hot dip  
galvanized steel  
Reflector - internal polished aluminium  
External screws - stainless steel  
Gaskets - silicon rubber

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	LAMP POWER (W)	LAMP HOLDER TYPE	CABLE ENTRY SIZE	DIMENSIONS (mm)						WEIGHT (Kg)	FIGURE
				A	B	C	D	E	F		
04.03.06.01.04.00000	192	POWER LED	2 x ISO-M25 / 3/4"NPT	485	435	290	270	500	88	25,00	A



**Execution:**

II 2 G Ex de q IIC T4 Gb  
II 2 D Ex tb IIIC T80°C Db

**Degree of protection:** IP66

**Cable entries:** ISO-Metric complete with cable glands M25 and plug

**Power supply:** electronic ballast 96...254V AC 50/60Hz (cos  $p \geq 0,95$ )

**Lamp holder:** bi-pin G13 cap

**Internal wiring:** high-temperature resistant silicon rubber insulation cables

**Terminals:** suitable up to 4 sq/mm cables

**Emergency unit:** with protections against over charge and over discharge

**Ambient temperature:** -20°C / +60°C

**Material:**

Body - glass fibre reinforced polyester resin self-extinguishing acc. to UL94

Diffuser - U/V resistant polycarbonate

Safety closing - operated by hexagonal key

Gaskets - EPDM 60 rubber suitable for high temperatures and resistant to environments conditions

Internal reflector - white stove enamelled sheet aluminium

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	NO EMERGENCY UNIT					
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	EMERGENCY UNIT	AUTONOMY	TYPE
04.01.02.05.05.00000	1x18	G13	4 x M25 x 1,5	-	-	A1
04.01.02.05.05.00001	1x36	G13	4 x M25 x 1,5	-	-	A2
04.01.02.05.05.00002	2x18	G13	4 x M25 x 1,5	-	-	A3
04.01.02.05.05.00003	2x36	G13	4 x M25 x 1,5	-	-	A4

CODE	WITH EMERGENCY UNIT					
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	EMERGENCY UNIT	AUTONOMY (Hours)	TYPE
04.01.02.05.05.00004	1x18	G13	4 x M25 x 1,5	4,8V - 4Ah	3	A1
04.01.02.05.05.00005	1x36	G13	4 x M25 x 1,5	4,8V - 4Ah	3	A2
04.01.02.05.05.00006	2x18	G13	4 x M25 x 1,5	4,8V - 4Ah	3	A3
04.01.02.05.05.00007	2x36	G13	4 x M25 x 1,5	4,8V - 4Ah	3	A4

REFERENCE	DIMENSIONS (mm)				WEIGHT (Kg)	WEIGHT WITH EMERGENCY (Kg)
	A	B	C	D		
A1	705	222	134	450	7,50	9,00
A2	1335	222	134	800	11,50	13,00
A3	705	222	134	450	8,00	9,50
A4	1335	222	134	800	12,00	13,50



**Execution:**

II 2 G Ex d IIC T6-T3 Gb  
II 2 D Ex tb IIIC T85°C-T200°C Db

**Degree of protection:** IP66

**Cable entries:** 3/4" NPT

**Power supply (PRC):** conventional ballast  
230V – 50 Hz (p.f. corrected – cos p ≥ 0,95)

**Lamp holder:** porcelain E27/E40 size

**Internal wiring:** high-temperature resistant  
silicon rubber insulation cables

**Terminals:** suitable up to 4 sq/mm cables  
(on lighting fixtures with PRC)

**Ambient temperature:** -60°C / +60°C

**Material:**

Body - copper free aluminium with epoxy powders paint RAL 9006  
Globe - high-temperature resistant borosilicate glass  
External screws - stainless steel  
Gaskets - silicon rubber  
Universal bracket - stainless steel

**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

CODE	INCANDESCENT LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.01.01.01.04.00000	100 W	E-27	1 x 3/4"	A1
04.01.01.01.04.00001	100 W	E-27	2 x 3/4"	B1
04.01.01.01.04.00002	200 W	E-27	1 x 3/4"	A2
04.01.01.01.04.00003	200 W	E-27	2 x 3/4"	B2
04.01.01.01.04.00004	300 W	E-40	1 x 3/4"	A3
04.01.01.01.04.00005	300 W	E-40	2 x 3/4"	B3
04.01.01.01.04.00006	500 W	E-40	1 x 3/4"	A4
04.01.01.01.04.00007	500 W	E-40	2 x 3/4"	B4

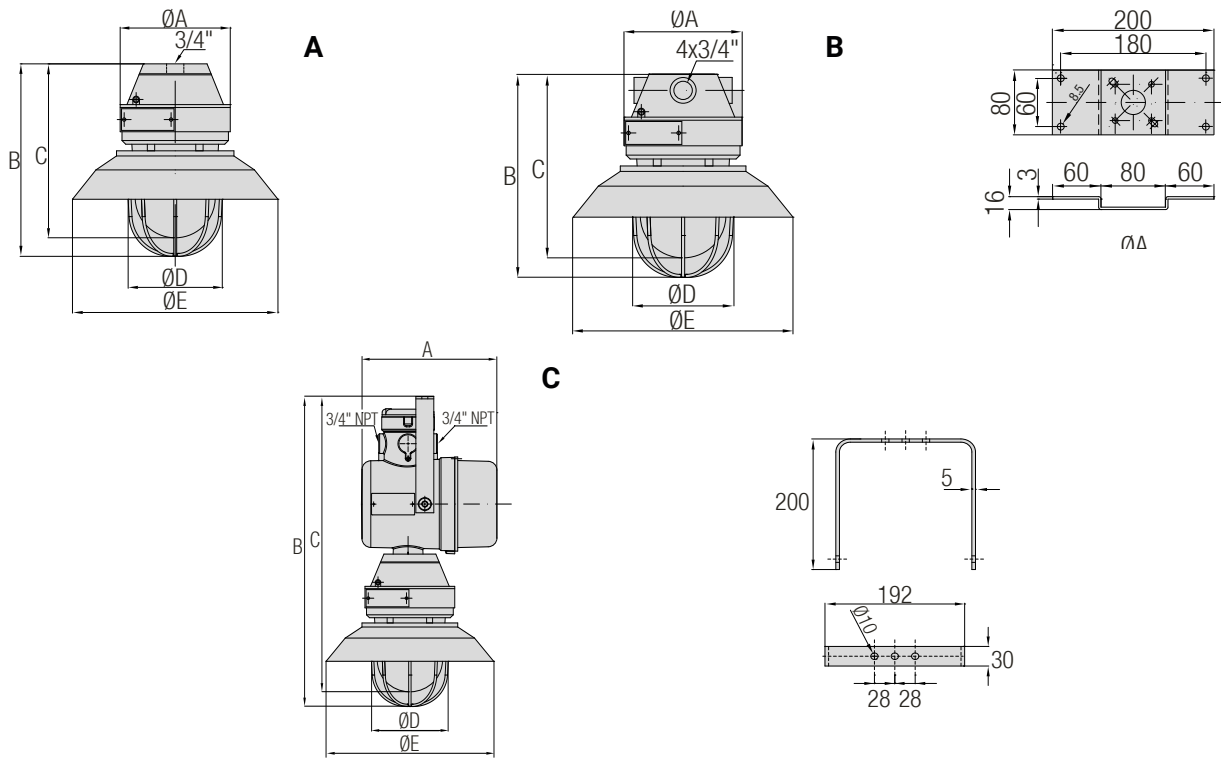
CODE	HALOGEN LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.01.07.01.04.00000	100 W	E-27	1 x 3/4"	A1
04.01.07.01.04.00001	100 W	E-27	2 x 3/4"	B1
04.01.07.01.04.00002	150 W	E-27	1 x 3/4"	A2
04.01.07.01.04.00003	150 W	E-27	2 x 3/4"	B2
04.01.07.01.04.00004	250 W	E-27	1 x 3/4"	A3
04.01.07.01.04.00005	250 W	E-27	2 x 3/4"	B3

CODE	HIGH PRESSURE SODIUM LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.01.03.01.04.00000	70 W	E-27	2 x 3/4"	C1
04.01.03.01.04.00001	150 W	E-40	2 x 3/4"	C3
04.01.03.01.04.00002	250 W	E-40	2 x 3/4"	C3
04.01.03.01.04.00003	400 W	E-40	2 x 3/4"	C4

CODE	METAL HALIDE LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.01.05.01.04.00000	100 W	E-27	2 x 3/4"	C1
04.01.05.01.04.00001	150 W	E-27	2 x 3/4"	C3
04.01.05.01.04.00002	250 W	E-40	2 x 3/4"	C3
04.01.05.01.04.00003	400 W	E-40	2 x 3/4"	C4

CODE	BLENDED LIGHT LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.01.08.01.04.00000	160 W	E-27	1 x 3/4"	A2
04.01.08.01.04.00001	160 W	E-27	2 x 3/4"	B2
04.01.08.01.04.00002	250 W	E-40	1 x 3/4"	A3
04.01.08.01.04.00003	250 W	E-40	2 x 3/4"	B3





REFERENCE	DIMENSIONS (mm)					WEIGHT (Kg)	CABLE ENTRY
	A	B	C	D	E		
A1	150	270	240	145	280	3,50	1 x 3/4"
B1	150	270	240	145	280	3,50	2 x 3/4"
A2	175	290	270	170	345	4,00	1 x 3/4"
B2	175	290	270	170	345	4,00	2 x 3/4"
A3	200	390	330	190	402	7,00	1 x 3/4"
B3	200	390	330	190	402	7,00	2 x 3/4"
A4	260	420	395	255	515	10,00	1 x 3/4"
B4	260	420	395	255	515	10,00	2 x 3/4"
C1	225	545	515	145	280	9,00	2 x 3/4"
C2	225	565	545	170	345	9,50	2 x 3/4"
C3	225	665	640	190	402	12,00	2 x 3/4"
C4	225	695	670	255	515	15,50	2 x 3/4"



**Execution:**

II 2 G Ex d IIB+H2  
II 2 G Ex de IIB+H2

**Degree of protection:** IP66

**Cable entries:**

M20 / 3/4" NPT

**Power supply:**

conventional ballast 230V  
50Hz (p.f.corrected – cos p ≥ 0,95)

**Lamp type:**

porcelain E40 size

**Internal wiring:** high-temperature resistant  
silicon rubber insulation cables

**Terminals:** suitable up to 4 sq/mm cables

**Ambient temperature:** -60°C / +60°C

**Material:**

Body - copper free aluminium with epoxy powders paint RAL 9006  
Diffuser - tempered front glass  
Support - adjustable type hot dip galvanized steel  
Reflector - internal polished aluminium  
External screws - stainless steel  
Gaskets - silicon rubber

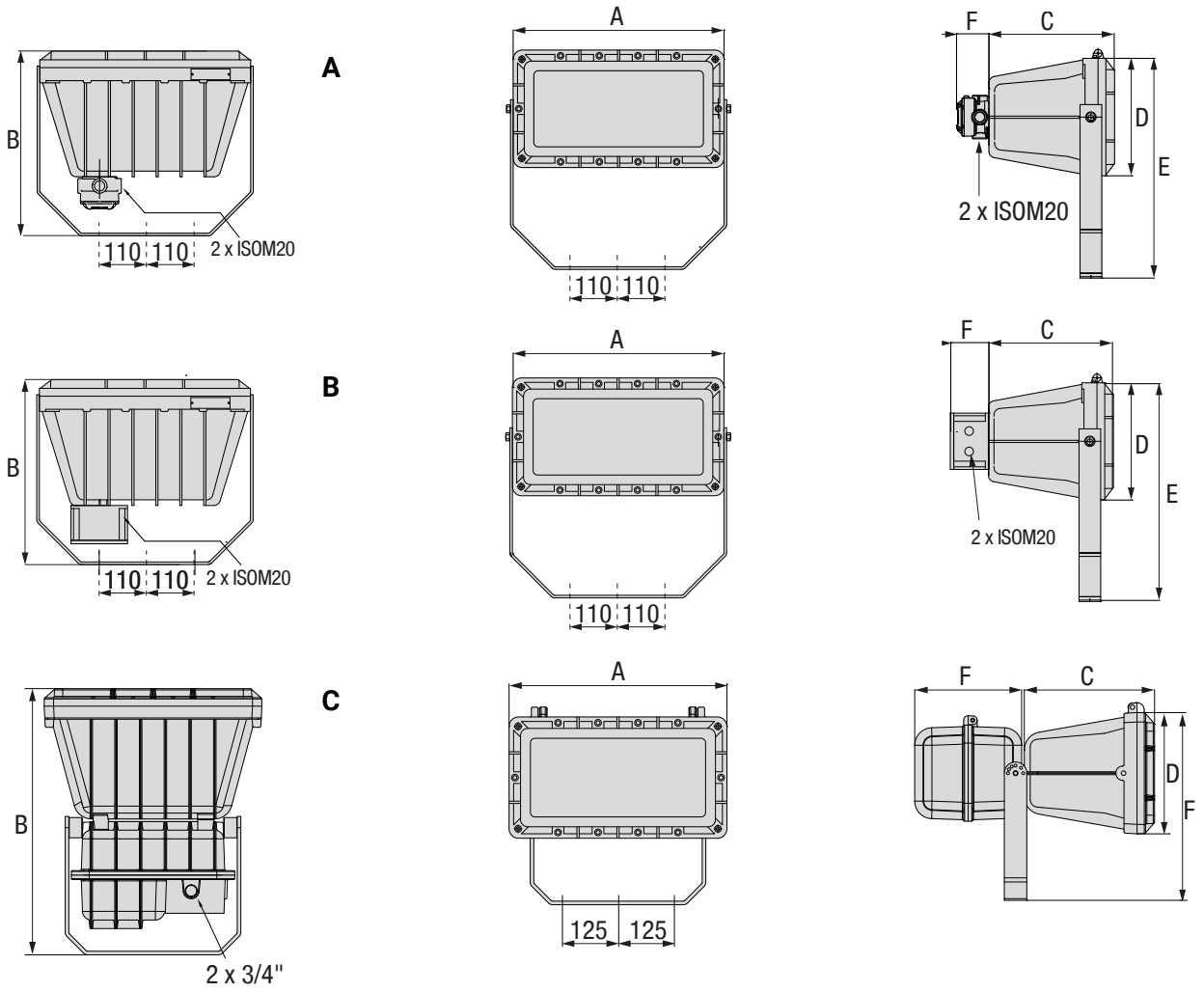
**Installation area:** Zone 1 - 2 (Gas)  
Zone 21 - 22 (Dust)

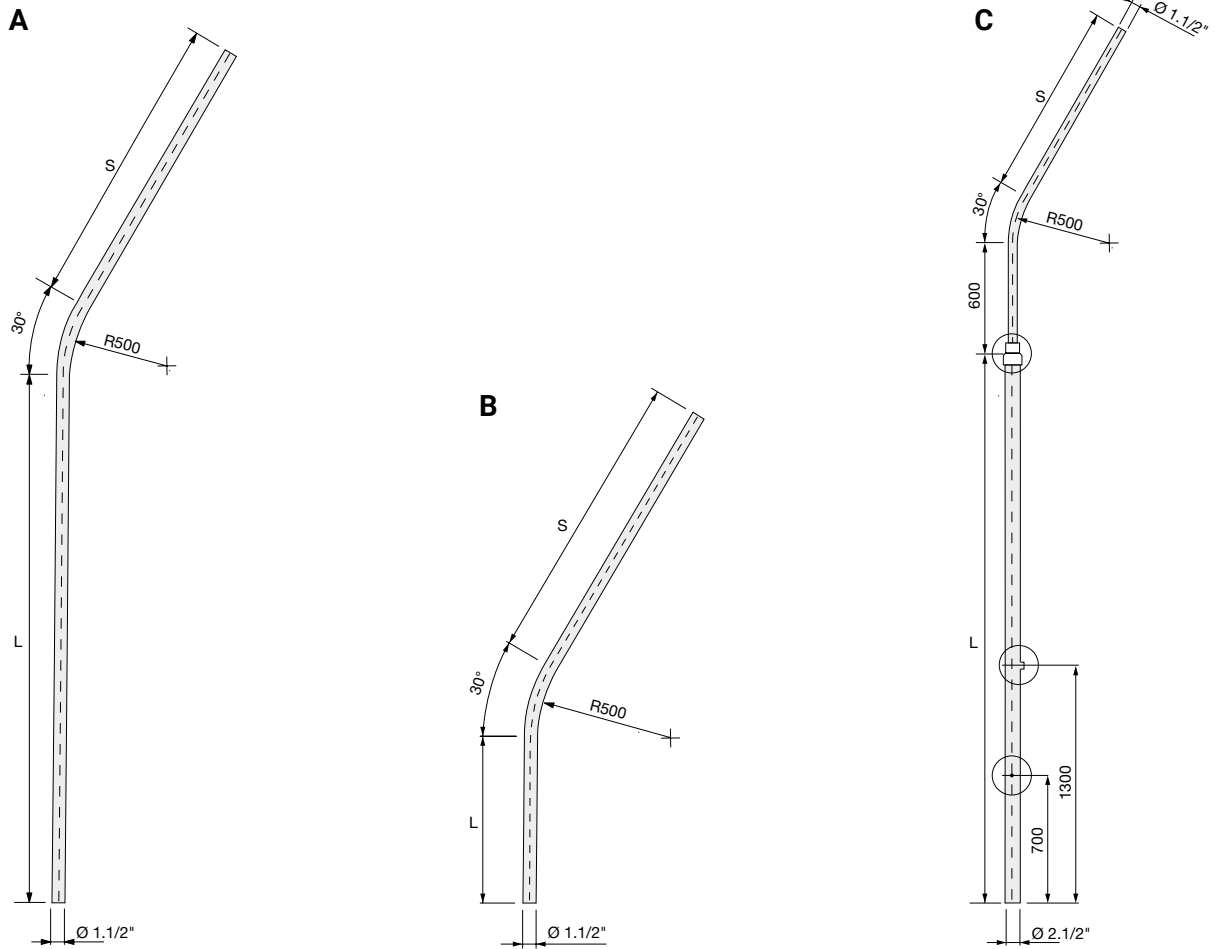
CODE	HALOGEN LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.03.07.01.04.00000	500	R7S	2 x ISO-M20	A
04.03.07.01.04.00001	500	R7S	2 x ISO-M20	B

CODE	HIGH PRESSURE SODIUM LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.03.03.01.04.00000	150	E-40	2 x ISO-M20	A
04.03.03.01.04.00001	150	E-40	2 x ISO-M20	B
04.03.03.01.04.00002	250	E-40	2 x ISO-M20	A
04.03.03.01.04.00003	250	E-40	2 x ISO-M20	B
04.03.03.01.04.00004	400	E-40	2 x ISO-M20	A
04.03.03.01.04.00005	400	E-40	2 x ISO-M20	B
04.03.03.01.04.00006	600	E-40	2 x 3/4"	C

CODE	METAL HALIDE LAMP			
	LAMP POWER (W)	LAMPHOLDER TYPE	CABLE ENTRY SIZE	TYPE
04.03.05.01.04.00000	250 W	E-40	2 x ISO-M20	A
04.03.05.01.04.00001	250 W	E-40	2 x ISO-M20	B
04.03.05.01.04.00002	400 W	E-40	2 x ISO-M20	A
04.03.05.01.04.00003	400 W	E-40	2 x ISO-M20	B

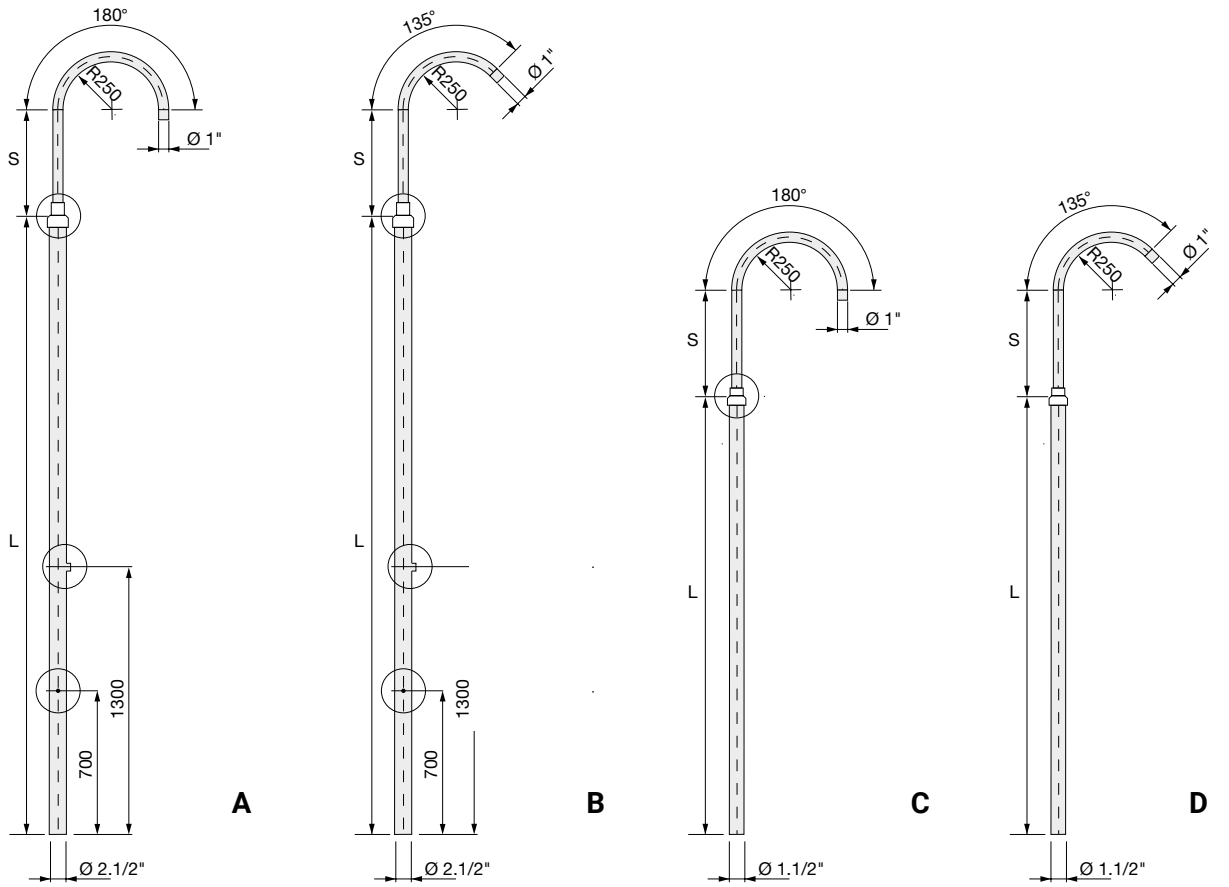
REFERENCE	DIMENSIONS (mm)						WEIGHT (Kg)	CABLE ENTRY
	A	B	C	D	E	F		
A	485	435	290	270	500	75	25,00	2 x ISO-M20
B	485	435	290	270	500	88	25,00	2 x ISO-M20
C	485	595	290	270	420	240	30,00	2 x 3/4"





CODE	DIMENSIONS (mm)		TYPE
	L	S	
15.01.01.09.02.00001	1900	1050	A
15.01.01.09.02.00002	1900	1650	A
15.01.01.09.02.00003	600	1050	B
15.01.01.09.02.00004	600	1650	B
15.01.01.09.02.00005	3000	1050	C
15.01.01.09.02.00006	3000	1650	C

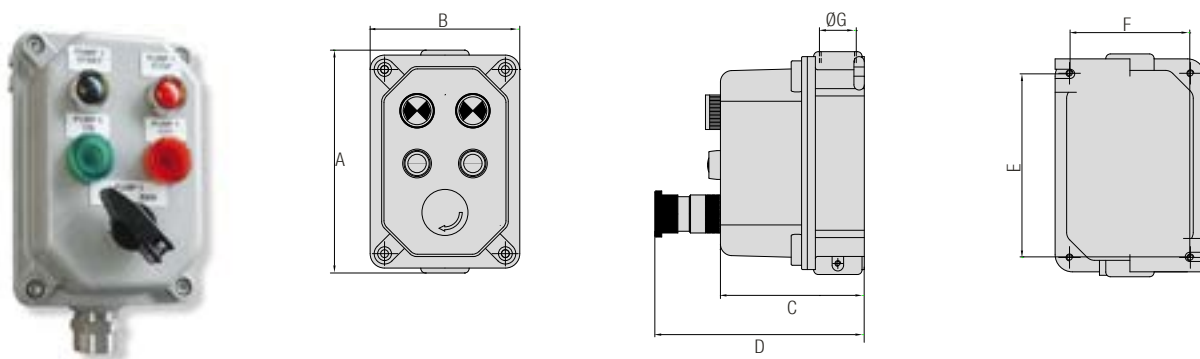
**Notes:** Pipe UNI 7683 made of hot dip galvanized steel.  
 A 2.1/2" - 1/2" REM reduction  
 B Ø 3/4" coupling  
 C M8x25 screw



CODE	DIMENSIONS (mm)		TYPE
	L	S	
15.01.01.09.02.00007	3000	500	D
15.01.01.09.02.00008	3000	700	D
15.01.01.09.02.00009	3000	500	E
15.01.01.09.02.00010	3000	700	E
15.01.01.09.02.00011	2000	500	F
15.01.01.09.02.00012	2000	700	F
15.01.01.09.02.00013	2000	500	G

**Notes:** Pipe UNI 7683 made of hot dip galvanized steel.  
 A 2.1/2" - 1/2" REM reduction  
 B Ø 3/4" coupling  
 C M8x25 screw

Multiple control stations



**Execution:**

II 2 G Ex d IIB T5/T6 Gb  
II 2 D Ex tb IIIC T85°C/T100°C Db

**Protection degree:** IP66

**Ambient temperature:**

-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws: stainless steel  
Internal plate: hot dip galvanized steel

CODE	DIMENSIONS (mm)							INTERNAL PLATE (mm)	WEIGHT (Kg)
	A	B	C	D	E	F	G		
03.01.01.01.04.00002	195	130	100	155	160	104	GK 1"	150 - 95	3,20
03.01.01.01.04.00003	195	130	125	175	160	104	GK 1"	150 - 95	3,50

Thermal magnetic and earth leakage circuit breakers, selectors and fused switches



**Execution:**

II 2 G Ex d IIB T5/T6 Gb  
II 2 D Ex tb IIIC T85°C/T100°C Db

**Protection degree:** IP66

**Ambient temperature:**

-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws: stainless steel  
Internal plate: hot dip galvanized steel

CODE	SELECTOR SWITCHES Q.TY		RATE [In]	TYPE
	LOCKABLE HANDLE	STANDARD HANDLE		
03.01.01.01.04.00004	-	2	10	A
03.01.01.01.04.00005	1	1	10	A

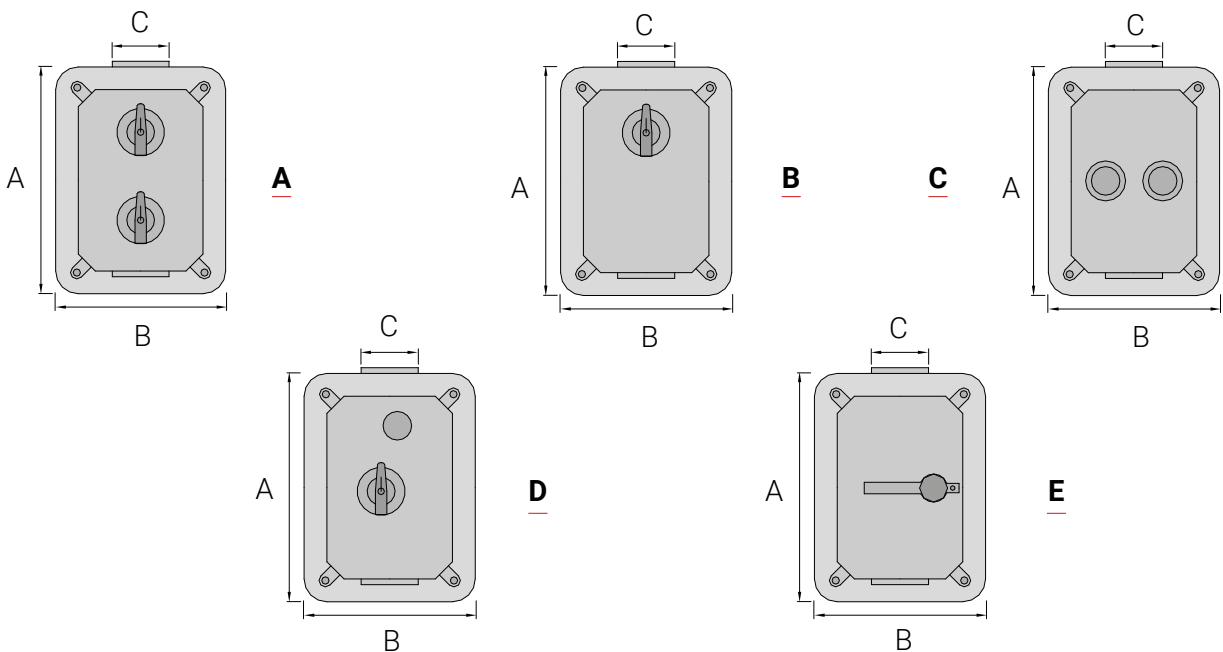
**Notes:** Products are configurable to different contactors

CODE	THREE POLE SWITCH	E16 DELAYED FUSE	RATE [In]	TYPE
03.01.01.01.04.00006	1	2	16	B
03.01.01.01.04.00007	1	1	25	B

CODE	THREE POLES	FOUR POLES	RATE [In]	TYPE
03.01.01.01.04.00008	03.01.01.01.04.00017	03.01.01.01.04.00026	6	C
03.01.01.01.04.00009	03.01.01.01.04.00018	03.01.01.01.04.00027	10	C
03.01.01.01.04.00010	03.01.01.01.04.00019	03.01.01.01.04.00028	16	C
03.01.01.01.04.00011	03.01.01.01.04.00020	03.01.01.01.04.00029	20	C
03.01.01.01.04.00012	03.01.01.01.04.00021	03.01.01.01.04.00030	25	C
03.01.01.01.04.00013	03.01.01.01.04.00022	03.01.01.01.04.00031	32	C
03.01.01.01.04.00014	03.01.01.01.04.00023	03.01.01.01.04.00032	40	C
03.01.01.01.04.00015	03.01.01.01.04.00024	03.01.01.01.04.00033	50	C
03.01.01.01.04.00016	03.01.01.01.04.00025	03.01.01.01.04.00034	63	C

CODE	THREE POLES	RATE [In]	TYPE
03.01.01.01.04.00035	03.01.01.01.04.00037	25	D
03.01.01.01.04.00036	03.01.01.01.04.00038	40	D
-	03.01.01.01.04.00039	63	D

CODE	THREE POLES	TYPE
03.01.01.01.04.00040	0,20 - 0,35	E
03.01.01.01.04.00041	0,35 - 0,60	E
03.01.01.01.04.00042	0,60 - 1,00	E
03.01.01.01.04.00043	1,00 - 1,60	E
03.01.01.01.04.00044	1,60 - 2,50	E
03.01.01.01.04.00045	2,50 - 4,00	E
03.01.01.01.04.00046	4,00 - 6,60	E
03.01.01.01.04.00047	6,60 - 10,00	E
03.01.01.01.04.00048	10,00 - 16,00	E



CODE	DIMENSIONS (mm)			WEIGHT (Kg)
	A	B	C	
A	195	130	GK 1"	3,45
B	195	130	GK 1"	3,10
C	195	130	GK 1"	3,10
D	195	130	GK 1"	3,20
E	195	130	GK 1"	2,90



**Execution:**

II 2 G Ex d IIC T5/T6 Gb  
II 2 D Ex tb IIIC T85°C/T100°C Db

**Ambient temperature:**

-60°C / +60°C

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws: stainless steel  
Gasket: NBR rubber sealing ring

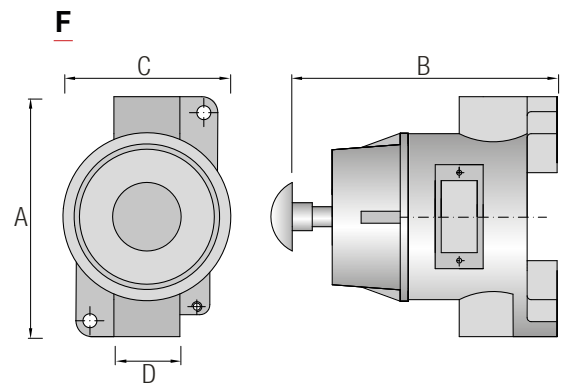
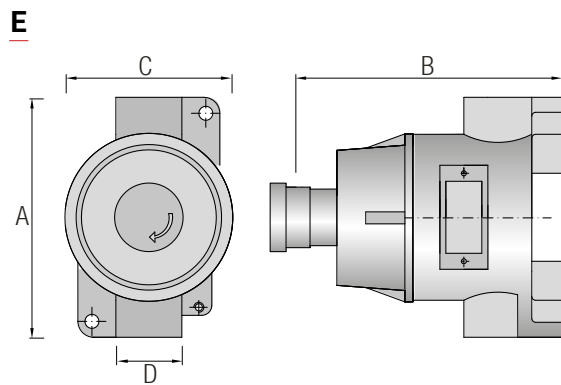
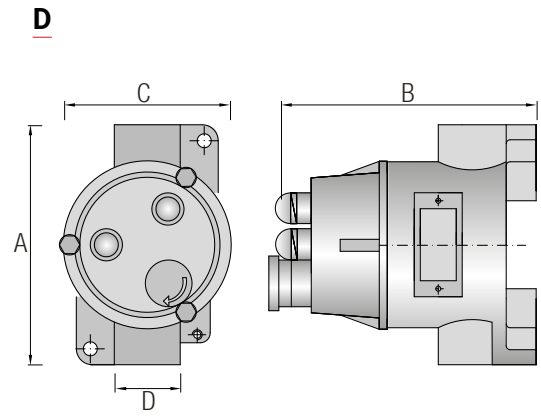
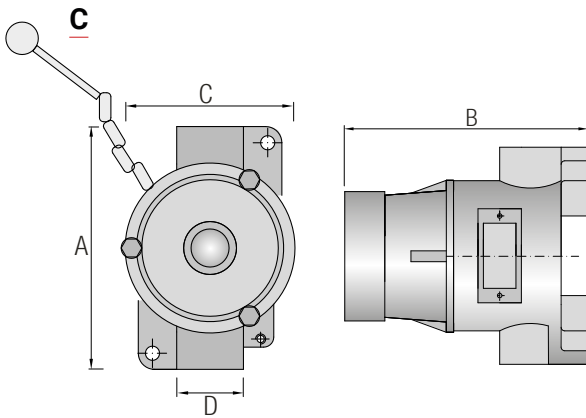
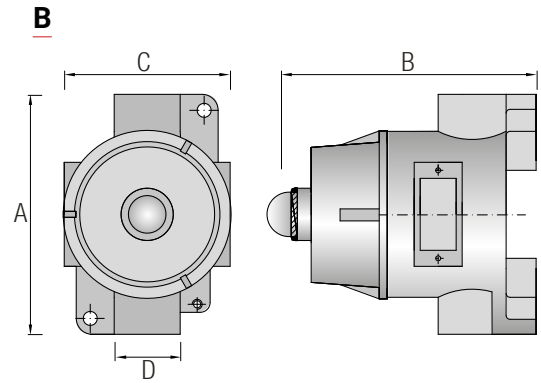
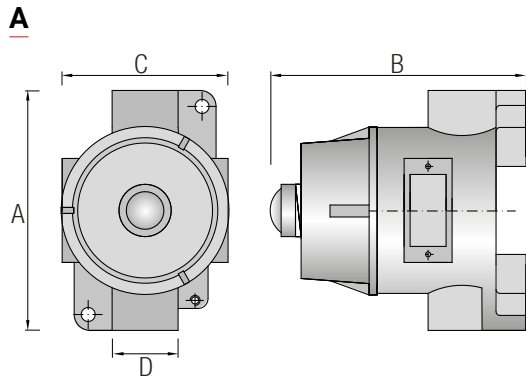
**Protection degree:** IP66

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

CODE	PUSH BUTTON (1NO + 1NC SPDT 5A)		PILOT LIGHTS (E14 CAP 5W)			TYPE
	RED	BLACK	RED	GREEN	YELLOW	
03.01.01.01.04.00049	-	1	-	-	-	A
03.01.01.01.04.00050	1	-	-	-	-	A
03.01.01.01.04.00051	1	-	-	-	-	C
03.01.01.01.04.00052	1	-	-	-	-	F
03.01.01.01.04.00053	1	-	-	-	-	E
03.01.01.01.04.00054	-	-	1	-	-	B
03.01.01.01.04.00055	-	-	-	1	-	B
03.01.01.01.04.00056	-	3	-	-	-	D
03.01.01.01.04.00057	1	2	-	-	-	D
03.01.01.01.04.00058	2	1	-	-	-	D
03.01.01.01.04.00059	3	-	-	-	-	D
03.01.01.01.04.00060	-	1	1	-	-	D
03.01.01.01.04.00061	1	-	1	-	-	D
03.01.01.01.04.00062	-	1	1	1	-	D
03.01.01.01.04.00063	1	-	1	1	-	D
03.01.01.01.04.00064	-	-	1	1	-	D
03.01.01.01.04.00065	-	-	1	1	1	D

TYPE	DIMENSIONS (mm)					WEIGHT (Kg)
	A	B	C	D	E	
A	120	115	95	55	GK 3/4"	0,90
B	120	120	95	55	GK 3/4"	0,90
C	120	135	95	55	GK 3/4"	1,00
D	140	125	100	80	GK 1"	1,50
E	120	160	95	55	GK 3/4"	0,90
F	120	130	95	55	GK 3/4"	0,90







**Execution:**

II 2 G Ex d IIC T5/T6 Gb  
II 2 D Ex tb IIC T85°C/T100°C Db

**Ambient temperature:**

-60°C / +60°C

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws: stainless steel  
Gasket: NBR rubber sealing ring

**Protection degree:** IP66

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

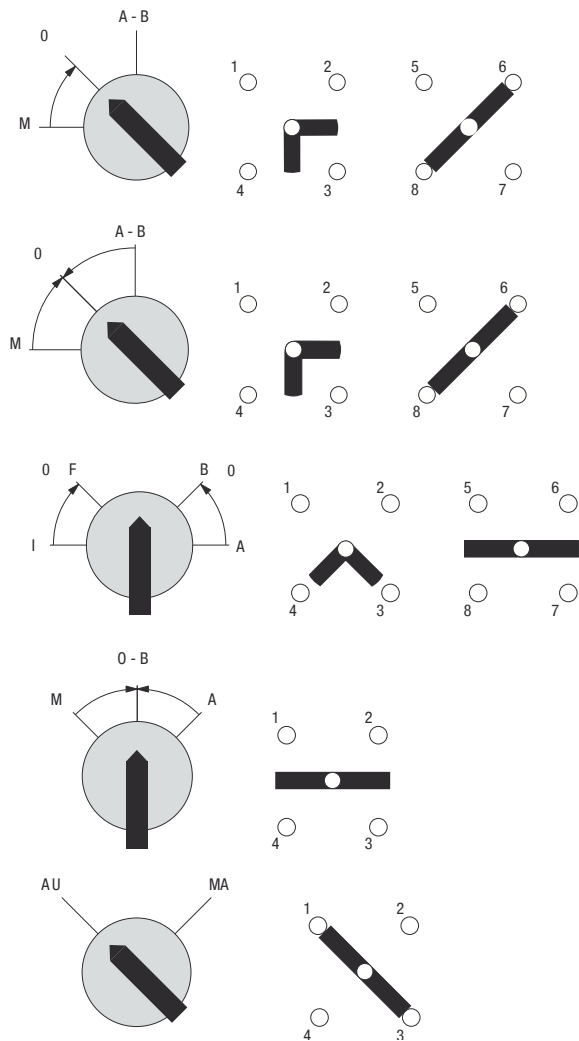
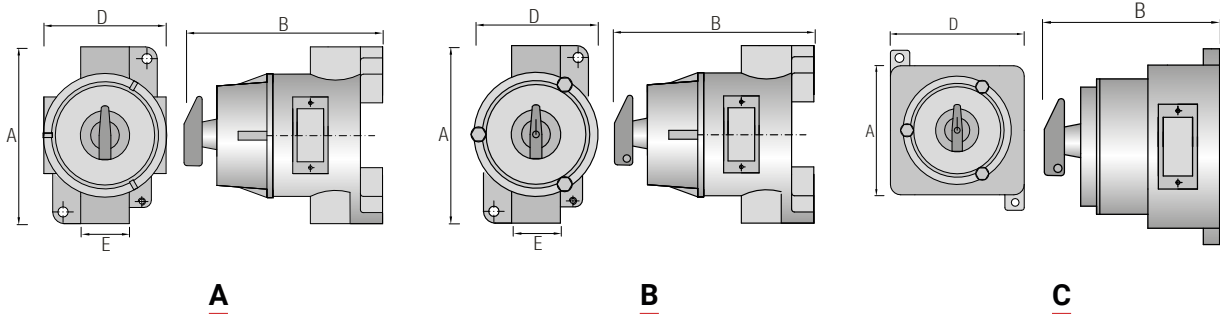
ON/OFF SWITCHES 500V 50-60Hz					
1 POLE	2 POLES	3 POLES	4 POLES	RATE[In]	TYPE
03.01.01.01.04.00066	03.01.01.01.04.00071	03.01.01.01.04.00076	-	16	A
03.01.01.01.04.00067	03.01.01.01.04.00072	03.01.01.01.04.00077	03.01.01.01.04.00081	25	B
03.01.01.01.04.00068	03.01.01.01.04.00073	03.01.01.01.04.00078	03.01.01.01.04.00082	25	C
03.01.01.01.04.00069	03.01.01.01.04.00074	03.01.01.01.04.00079	03.01.01.01.04.00083	32	B
03.01.01.01.04.00070	03.01.01.01.04.00075	03.01.01.01.04.00080	03.01.01.01.04.00084	32	C

TWO WAY SWITCHES 500V 50-60Hz					
1 POLE	2 POLES	3 POLES	4 POLES	RATE[In]	TYPE
03.01.01.01.04.00085	03.01.01.01.04.00090	-	-	16	A
03.01.01.01.04.00086	03.01.01.01.04.00091	03.01.01.01.04.00095	on request only	25	B
03.01.01.01.04.00087	03.01.01.01.04.00092	03.01.01.01.04.00096	on request only	25	C
03.01.01.01.04.00088	03.01.01.01.04.00093	03.01.01.01.04.00097	on request only	32	B
03.01.01.01.04.00089	03.01.01.01.04.00094	03.01.01.01.04.00098	on request only	32	C

CHANGE OVER SWITCHES 500V 50-60Hz					
1 POLE	2 POLES	3 POLES	4 POLES	RATE[In]	TYPE
03.01.01.01.04.00099	03.01.01.01.04.00104	-	-	16	A
03.01.01.01.04.00100	03.01.01.01.04.00105	03.01.01.01.04.00109	on request only	25	B
03.01.01.01.04.00101	03.01.01.01.04.00106	03.01.01.01.04.00110	on request only	25	C
03.01.01.01.04.00102	03.01.01.01.04.00107	03.01.01.01.04.00111	on request only	32	B
03.01.01.01.04.00103	03.01.01.01.04.00108	03.01.01.01.04.00112	on request only	32	C

SELECTOR SWITCHES 500V 50-60Hz					
CODE	RATE[In]	DIAGRAM	TYPE		
03.01.01.01.04.00113	10	R	B		
03.01.01.01.04.00114	10	X	B		
03.01.01.01.04.00115	10	Y	B		
03.01.01.01.04.00116	10	W	B		
03.01.01.01.04.00117	10	Z	B		
03.01.01.01.04.00118	10	R	C		
03.01.01.01.04.00119	10	X	C		
03.01.01.01.04.00120	10	Y	C		
03.01.01.01.04.00121	10	W	C		
03.01.01.01.04.00122	10	Z	C		
03.01.01.01.04.00123	16	R	B		
03.01.01.01.04.00124	16	X	B		
03.01.01.01.04.00125	16	Y	B		
03.01.01.01.04.00126	16	W	B		
03.01.01.01.04.00127	16	Z	B		
03.01.01.01.04.00128	16	R	C		
03.01.01.01.04.00129	16	X	C		
03.01.01.01.04.00130	16	Y	C		
03.01.01.01.04.00131	16	W	C		
03.01.01.01.04.00132	16	Z	C		

TYPE	DIMENSIONS (mm)				WEIGHT (Kg)
	A	B	C	D	
A	120	135	55	GK 3/4"	0,90
B	140	150	80	GK 1"	1,00
C	165	170	115	-	1,80



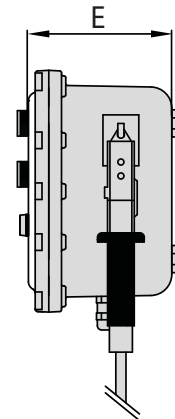
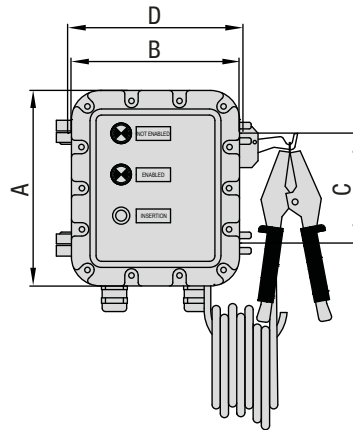
**TYPE R:**  
Contactor control with maintained OFF position.

**TYPE X:**  
Contactor control

**TYPE Y:**  
Contactor Motor starter Control

**TYPE W:**  
Impulse Control

**TYPE Z:**  
MAN-AUT Control



**Execution:**

Ex d [ia] IIB + H2 T6 Gb  
Ex tb [ia] IIIC T85°C Db IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-11,  
EN 60079-31

**Protection degree:** IP66

**Ambient temperature:**

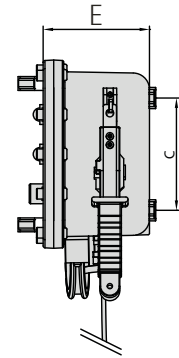
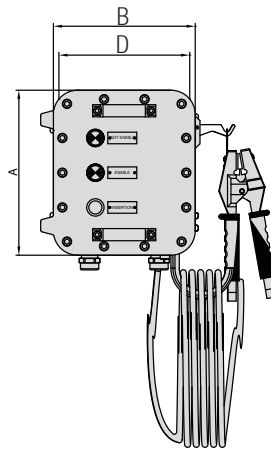
-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
External screws - stainless steel  
Internal plate - hot dip galvanized steel  
External painting - epoxy powders RAL  
9006  
Hinges - casting on body and cover  
enclosure

CODE	DIMENSIONS (mm)					WEIGHT (Kg)
	A	B	C	D	E	
13.02.01.01.04.00000	285	245	160	276	169	12,00



**Execution:**

Ex d [ia] IIB + H2 T6 Gb  
Ex tb [ia] IIIC T85°C Db IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-11,  
EN 60079-31

**Protection degree:** IP66

**Ambient temperature:**

-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas) zone  
21 – 22 (Dust)

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
External screws - stainless steel  
Internal plate - hot dip galvanized steel  
External painting - epoxy powders RAL  
9006  
Hinges - casting on body and cover  
enclosure

CODE	DIMENSIONS (mm)					WEIGHT (kg)
	A	B	C	D	E	
13.02.01.01.04.00001	285	245	169	226	170	13,00



**Execution (obstruction lighting fixture):**

II 2G Ex d IIC T6...T4 Gb  
II 2 D Ex tb IIIC T85°C...T135°C Db

**Execution (control panel):**

II 2 G Ex d IIB + H2 / IIC T6...T3  
II 2 D Ex tb IIIC T85°C...T200°C

**Protection degree:** IP66

**Ambient temperature:**

-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 – 22 (Dust)

**Lampholders:** porcelain E27 size

**Internal wiring:** high-temperature resistant silicon rubber insulation cables

**Terminals:** suitable up to 4 sq/mm cables

**Medium intensity:** flashing obstruction light 1450 / 2000 cd intensity (over than 45mt distance) - RED 230 Vac

**Low intensity:** steady obstruction light 30 cd intensity (less than 45mt distance) - RED 230 Vac

**Construction:** single awl – twin awl (1 main + 1 spare) in according to ICAO standard

**Body:** copper free aluminium

**Globe:** high-temperature resistant borosilicate glass

**Fresnel len:** shock proof acrylic material suitable for high temperature

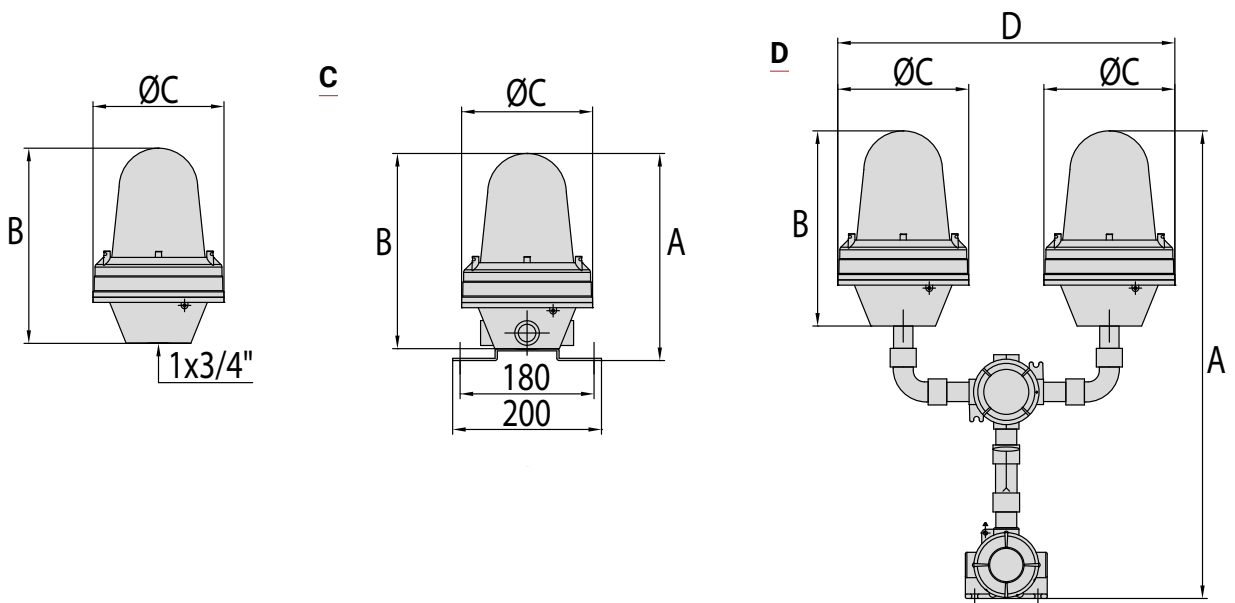
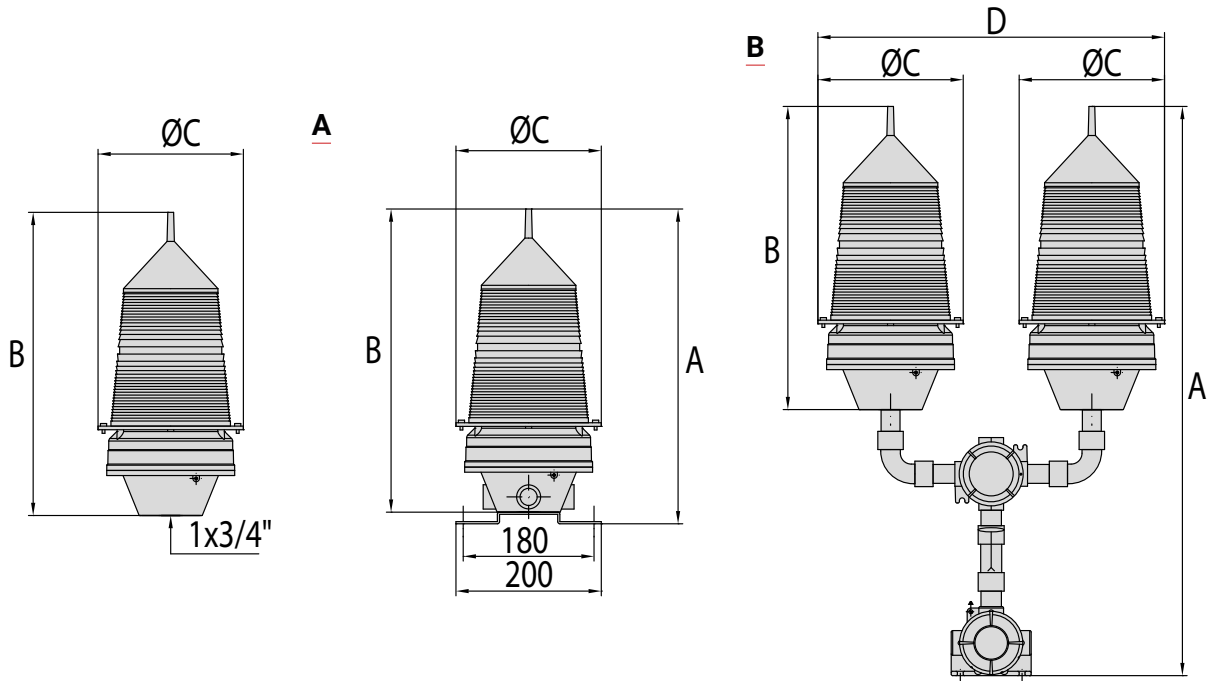
**External painting:** epoxy powders RAL-9006

**External screws:** external stainless steel

**Gaskets:** silicon rubber

**Cable entry:** 3/4" NPT

CODE	LAMP TYPE	FLASHING (x/min.)	CABLE ENTRY	DIMENSIONS (mm)				WEIGHT (Kg)	TYPE
				A	B	C	D		
04.04.01.01.04.00000	100W INCAND.	-	1 x 3/4"	-	415	200	-	4,50	A
04.04.01.01.04.00001	100W INCAND.	-	2 x 3/4"	430	415	200	-	4,50	B
04.04.09.01.04.00000	2J XENOFASH	65 ± 10	1 x 3/4"	-	260	176	-	4,50	C
04.04.09.01.04.00001	2J XENOFASH	65 ± 10	2 x 3/4"	280	260	176	-	4,00	D
04.04.01.01.04.00002	2 x 100W INCAND.	-	1 x 3/4"	790	415	200	475	9,00	E
04.04.09.01.04.00002	2 x XENOFASH 2J	65 ± 10	2 x 3/4"	630	260	176	453	8,00	F
04.04.01.01.04.00003	40W INCAND.	-	1 x 3/4"	345	322	197	-	7,00	C
04.04.01.01.04.00004	40W INCAND.	-	2 x 3/4"	-	322	197	-	7,00	D



Medium intensity and low intensity multiled system aircraft warning lights



**Execution:**

II 2 G Ex d IIC T6 Gb  
II 2 G Ex tb IIIC T85°C Db

**Protection degree:** IP66

**Ambient temperature:**

-60°C / +60°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 – 22 (Dust)

**LEDs:** separate groups with individual LED protection system – LED technology stabilized by constant current generator

**Medium intensity:** flashing light with intensity 2000 cd (+/- 25%) flashing 40 flash/minute

**Low intensity:** steady burning with intensity 32 cd (flashing on request)

**Construction:**

- single group LEDs system with own reflector;
  - dual groups LEDs system, each group with own reflector (1 main + 1 reserve)
- Horizontal beam radiation: 360°

**Vertical beam radiation:** between 3° and 10°  
Efficiency: >91%

**Life time:** long life time – more than 10 years

**Body:** marine grade copper free aluminium

**Globe:** high-temperature resistant borosilicate glass

**External painting:** epoxy powders RAL-9006

**External screws:** stainless steel

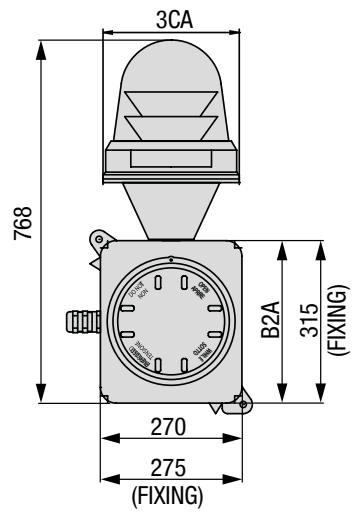
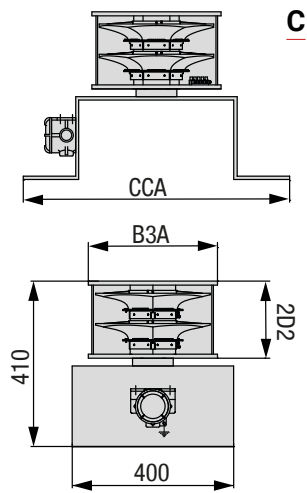
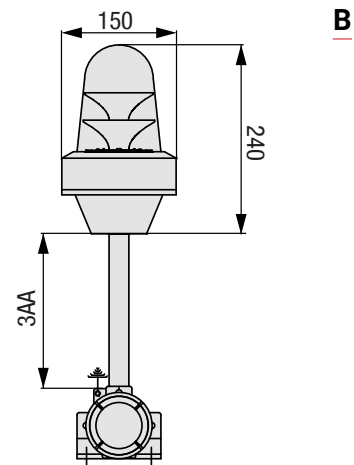
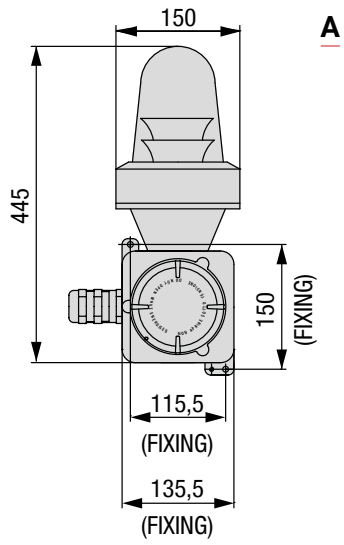
**Gaskets:** silicon rubber

**Cable entry:** 3/4" NPT

CODE	LOW INTENSITY OBSTRUCTION WARNING LIGHTS				
	LED LAMP GROUP	VISUAL AIDS TYPES	CABLE ENTRY SIZE	EXECUTION	TYPE
04.04.06.01.04.00000	> 10 cd x 1	RED FIXED	1 x 3/4"	Ex-d	A
04.04.06.01.01.00000	> 10 cd x 1	RED FIXED	2 x 3/4"	IP66	B
04.04.06.01.04.00001	> 10 cd x 2	RED FIXED	1 x 3/4"	Ex-d	A
04.04.06.01.01.00001	> 10 cd x 2	RED FIXED	2 x 3/4"	IP66	B
04.04.06.01.04.00002	> 32 cd x 1	RED FIXED	1 x 3/4"	Ex-d	A
04.04.06.01.01.00002	> 32 cd x 1	RED FIXED	2 x 3/4"	IP66	B
04.04.06.01.04.00003	> 32 cd x 2	RED FIXED	1 x 3/4"	Ex-d	A
04.04.06.01.01.00003	> 32 cd x 2	RED FIXED	2 x 3/4"	IP66	B

CODE	MEDIUM INTENSITY OBSTRUCTION WARNING LIGHTS					
	LED LAMP GROUP	VISUAL AIDS TYPES	FLASHING (x/min.)	CABLE ENTRY SIZE	EXECUTION	TYPE
04.04.06.01.01.00004	= 20000 cd x 1	WHITE FLASHING	40	2 x 3/4"	IP66	C
04.04.06.01.01.00005	= 20000 cd x 2	WHITE FLASHING	40	2 x 3/4"	IP66	C
04.04.06.01.04.00004	= 2000 cd x 1	WHITE FLASHING	40	1 x 3/4"	Ex-d	D
04.04.06.01.01.00006	= 2000 cd x 1	WHITE FLASHING	40	2 x 3/4"	IP66	C
04.04.06.01.04.00005	= 2000 cd x 2	WHITE FLASHING	40	1 x 3/4"	Ex-d	D
04.04.06.01.01.00007	= 2000 cd x 2	WHITE FLASHING	40	2 x 3/4"	IP66	C
04.04.06.01.04.00006	= 2000 cd x 1	RED FIXED	-	1 x 3/4"	Ex-d	D
04.04.06.01.01.00008	= 2000 cd x 1	RED FIXED	-	2 x 3/4"	IP66	C
04.04.06.01.04.00007	= 2000 cd x 2	RED FIXED	-	1 x 3/4"	Ex-d	D
04.04.06.01.01.00009	= 2000 cd x 2	RED FIXED	-	2 x 3/4"	IP66	C





Bells



**Execution:**  
II 2G Ex de IIC T6

**Protection degree:** IP66

**Ambient temperature:**  
-20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

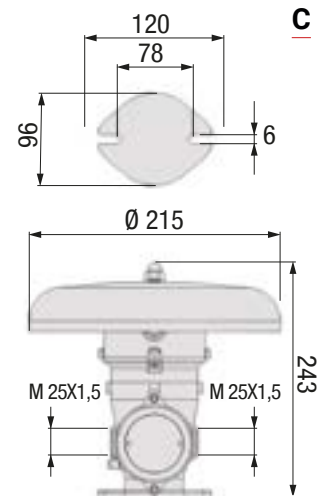
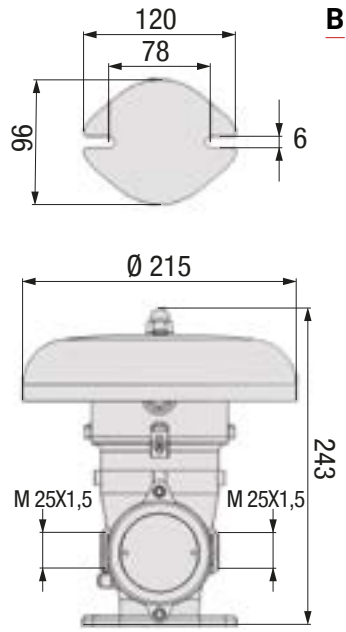
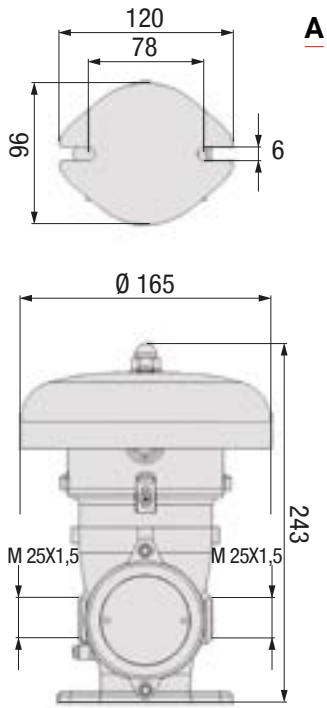
**Type of sound:** Continuous

Explosion-proof bells available in three dimensions: 165, 215 and 265 mm.

Specifically designed and made according to the highest quality standards, these products guarantee a sound level that meets the most demanding customer requirements.

CODE	ALTERNATE CURRENT						
	VOLTAGE (V)	CURRENT (A)	SOUND PRESSURE (dB)	TONE Hz	BELL DIMENSION (MM)	WEIGHT (Kg)	TYPE
17.01.01.01.04.00021	12	1	100	1500÷10000	165	2,32	A
17.01.01.01.04.00022	24	0,5	100	1500÷10000	165	2,32	A
17.01.01.01.04.00023	48	0,3	100	1500÷10000	165	2,32	A
17.01.01.01.04.00024	110	0,1	100	1500÷10000	165	2,32	A
17.01.01.01.04.00025	240	0,06	100	1500÷10000	165	2,32	A
17.01.01.01.04.00026	12	1	100	1500÷10000	215	2,95	B
17.01.01.01.04.00027	24	0,5	100	1500÷10000	215	2,95	B
17.01.01.01.04.00028	48	0,3	100	1500÷10000	215	2,95	B
17.01.01.01.04.00029	110	0,1	100	1500÷10000	215	2,95	B
17.01.01.01.04.00030	240	0,06	100	1500÷10000	215	2,95	B
17.01.01.01.04.00031	12	1	100	1500÷10000	265	3,78	C
17.01.01.01.04.00032	24	0,5	100	1500÷10000	265	3,78	C
17.01.01.01.04.00033	48	0,3	100	1500÷10000	265	3,78	C
17.01.01.01.04.00034	110	0,1	100	1500÷10000	265	3,78	C
17.01.01.01.04.00035	240	0,06	100	1500÷10000	265	3,78	C

CODE	DIRECT CURRENT						
	VOLTAGE (V)	CURRENT (A)	SOUND PRESSURE (dB)	TONE Hz	BELL DIMENSION (MM)	WEIGHT (Kg)	TYPE
17.01.01.01.04.00036	12	0,55	98	1500÷10000	165	2,32	A
17.01.01.01.04.00037	24	0,3	98	1500÷10000	165	2,32	A
17.01.01.01.04.00038	48	0,2	98	1500÷10000	165	2,32	A
17.01.01.01.04.00039	110	0,06	98	1500÷10000	165	2,32	A
17.01.01.01.04.00040	240	0,03	98	1500÷10000	165	2,32	A
17.01.01.01.04.00041	12	0,55	98	1500÷10000	215	2,95	B
17.01.01.01.04.00042	24	0,3	98	1500÷10000	215	2,95	B
17.01.01.01.04.00043	48	0,2	98	1500÷10000	215	2,95	B
17.01.01.01.04.00044	110	0,06	98	1500÷10000	215	2,95	B
17.01.01.01.04.00045	240	0,03	98	1500÷10000	215	2,95	B
17.01.01.01.04.00046	12	0,55	98	1500÷10000	265	3,78	C
17.01.01.01.04.00047	24	0,3	98	1500÷10000	265	3,78	C
17.01.01.01.04.00048	48	0,2	98	1500÷10000	265	3,78	C
17.01.01.01.04.00049	110	0,06	98	1500÷10000	265	3,78	C
17.01.01.01.04.00050	240	0,03	98	1500÷10000	265	3,78	C





**Execution:**

II 2G Ex d e IIC T6 Gb  
II 2D Ex tb IIIC T85°C Db

**Protection degree:** IP66

**Ambient temperature:**

-20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

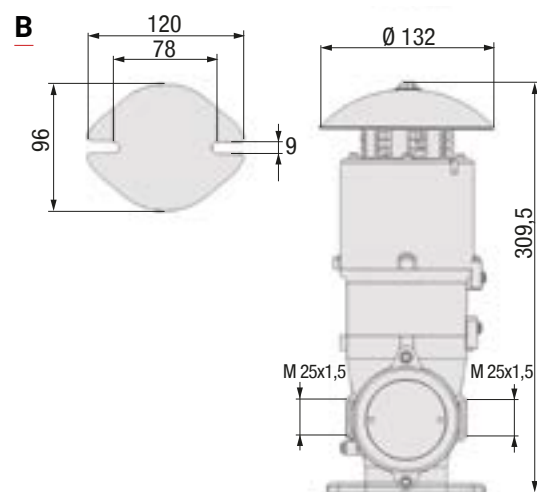
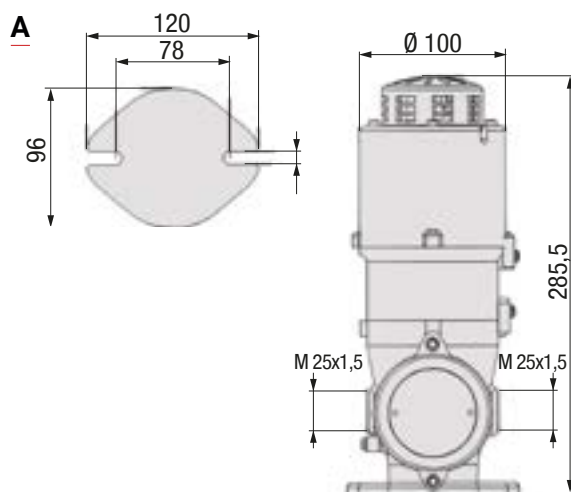
**Thread:** M25x1,5

**Type of sound:** Continuous

Explosion-proof electromechanical sirens engineered and manufactured according to the strictest certification and electromagnetic compatibility standards.

These sirens are of high mechanical precision and guarantee maximum performance with regard to sound level and product reliability.

CODE	VOLTAGE (V)	CURRENT (A)	SOUND PRESSURE (dB)	STONE Hz	BELL DIMENSION (mm)	WEIGHT (Kg)	TYPE
17.01.01.01.04.00051	12	4	92	1100±100	165	2,40	A
17.01.01.01.04.00052	24	2	92	1100±100	165	2,40	A
17.01.01.01.04.00053	48	1,3	92	1100±100	165	2,40	A
17.01.01.01.04.00054	110	0,55	92	1100±100	165	2,40	A
17.01.01.01.04.00055	240	0,32	92	1100±100	165	2,40	A
17.01.01.01.04.00056	12	4	92	1100±100	215	2,73	B
17.01.01.01.04.00057	24	2	92	1100±100	215	2,73	B
17.01.01.01.04.00058	48	1,3	92	1100±100	215	2,73	B
17.01.01.01.04.00059	110	0,55	92	1100±100	215	2,73	B
17.01.01.01.04.00060	240	0,32	92	1100±100	215	2,73	B





**Execution:**

II 2G Ex d e IIC T6 Gb  
II 2D Ex tb IIIC T85°C Db

**Protection degree:** IP66

**Ambient temperature:**

-20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

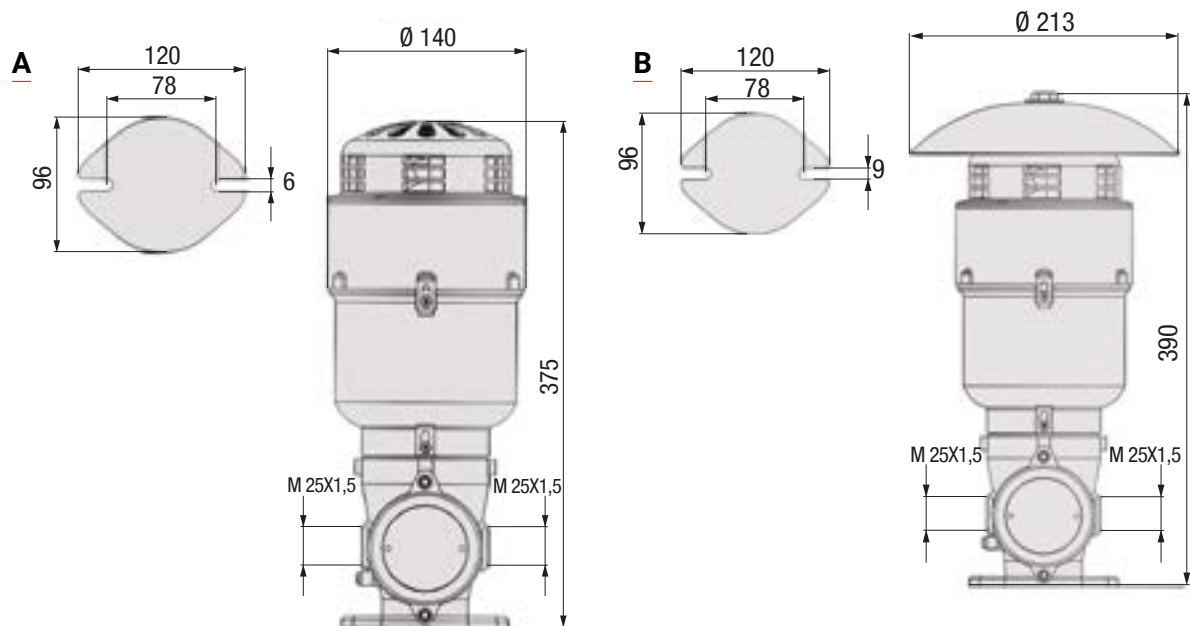
**External coating:** polyester RAL 3020

**Thread:** M25x1,5

**Type of sound:** Continuous

Explosion-proof electromechanical sirens, specifically engineered and manufactured for installation in areas where a higher sound level is required.

CODE	VOLTAGE (V)	CURRENT (A)	SOUND PRESSURE (dB)	TONE Hz	WEIGHT (Kg)	TYPE
17.01.01.01.04.00061	24	8	107	1100±100	4,10	A
17.01.01.01.04.00062	48	6,75	107	1100±100	4,10	A
17.01.01.01.04.00063	110	1,9	107	1100±100	4,10	A
17.01.01.01.04.00064	240	1,35	107	1100±100	4,10	A
17.01.01.01.04.00065	24	8	106	1100±100	4,43	A
17.01.01.01.04.00066	48	6,75	106	1100±100	4,43	B
17.01.01.01.04.00067	110	1,9	106	1100±100	4,43	B
17.01.01.01.04.00068	240	1,35	106	1100±100	4,43	B





**Execution:**

II 2G Ex d e IIC T6 Gb  
II 2D Ex tb IIIC T85°C Db

**Protection degree:** IP65

**Ambient temperature:**

-20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)

zone 21 - 22 (Dust)

**Material:** copper free aluminium

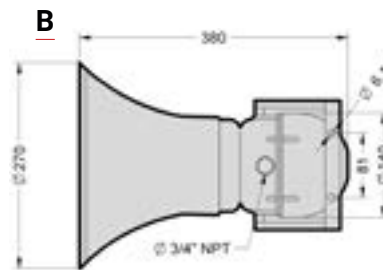
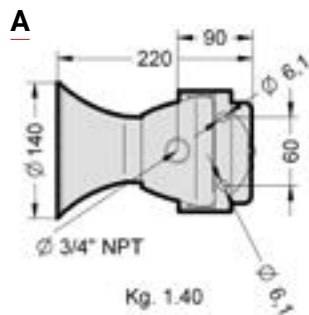
**External coating:** epoxyvinyl RAL 3000

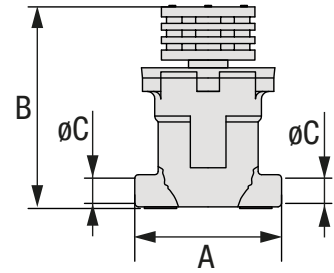
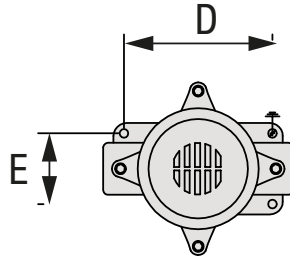
**Thread:** 3/4" NPT

**Type of sound:** Various

The explosion-proof electronic range of sirens, manufactured according to the highest quality standards, guarantee a high range sound level and the possibility to choose from different tones.

CODE	VOLTAGE (V)	CURRENT (mA)	SOUND PRESSURE (dB)	WEIGHT (Kg)	TYPE
17.01.01.01.04.00069	12/24 A.C. / D.C.	865	Min. 91 - Max. 109	1,40	A
17.01.01.01.04.00070	110 A.C.	45	Min. 91 - Max. 109	1,40	A
17.01.01.01.04.00071	240 A.C.	30	Min. 91 - Max. 109	1,40	A
17.01.01.01.04.00072	12/24 A.C. / D.C.	550	Min. 101 - Max. 112	3,36	B
17.01.01.01.04.00073	240 A.C.	25	Min. 101 - Max. 112	3,36	B





**Execution:**

II 2 G Ex d IIC T5

**Protection degree:** IP66

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:**

body - copper free aluminium  
Cover - copper free aluminium  
Screws - stainless steel  
Ring bell - painted steel

The explosion-proof electronic range of sirens, manufactured according to the highest quality standards, guarantee a high range sound level and the possibility to choose from different tones.

CODE	VOLTAGE (V)	CONSUMPTION (W)	DUTY	SOUND PRESSURE (dB)	DIMENSIONS (mm)					WEIGHT (Kg)
					A	B	C	D	E	
17.01.01.01.04.00000	12 - AC/DC	90	S4-60% 6 avv/h	100	145	203	GK 3/4"	104	54	2,60
17.01.01.01.04.00001	24 - AC/DC	90	S4-60% 6 avv/h	100	145	203	GK 3/4"	104	54	2,60
17.01.01.01.04.00002	48 - AC/DC	90	S4-60% 6 avv/h	100	145	203	GK 3/4"	104	54	2,60
17.01.01.01.04.00003	110 - AC/DC	90	S4-60% 6 avv/h	100	145	203	GK 3/4"	104	54	2,60
17.01.01.01.04.00004	230 - AC/DC	90	S4-60% 6 avv/h	100	145	203	GK 3/4"	104	54	2,60



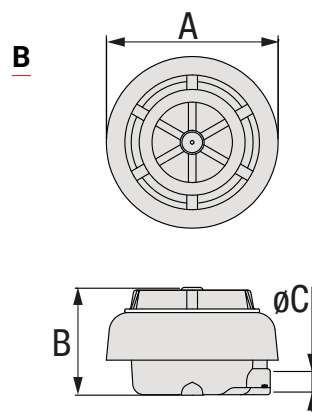
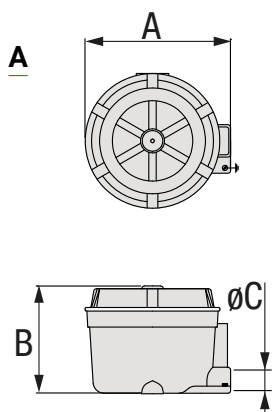
**Execution:**  
II 2 G Ex d IIC T6

**Protection degree:** IP65

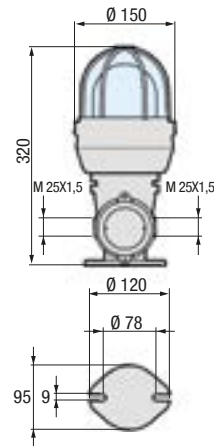
**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:**  
Body - copper free aluminium  
Cover - copper free aluminium  
Screws - stainless steel  
Ring bell - painted steel

CODE	VOLTAGE (V)	CONSUMPTION (VA)	DUTY	SOUND PRESSURE [dB]	DIMENSIONS (mm)			WEIGHT (kg)	TYPE
					A	B	C		
17.01.01.01.04.00005	12 - 50/60Hz	13	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00006	12 - 50/60Hz	13	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00007	24 - 50/60Hz	13	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00008	24 - 50/60Hz	13	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00009	48 - 50/60Hz	13	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00010	48 - 50/60Hz	13	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00011	110 - 50/60Hz	13	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00012	110 - 50/60Hz	13	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00013	230 - 50/60Hz	13	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00014	230 - 50/60Hz	13	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00015	12 - c.c.	8	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00016	12 - c.c.	8	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00017	24 - c.c.	8	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00018	24 - c.c.	8	CONTINUOUS	80	168	140	GK 3/4"	2,50	B
17.01.01.01.04.00019	48 - c.c.	8	CONTINUOUS	80	150	135	GK 3/4"	2,00	A
17.01.01.01.04.00020	48 - c.c.	8	CONTINUOUS	80	168	140	GK 3/4"	2,50	B







**Execution:**

II 2GD Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

**Light colours:** blue, orange, red, green, yellow, clear

**FPM:**

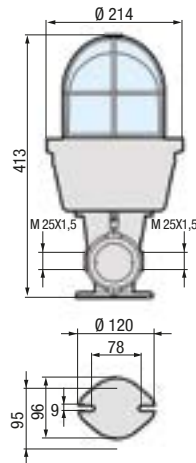
- STEADY 0
- 1F 120±10
- 2F 2 x 90±10
- 3F 3 x 140±10

Small size integrated LED beacon, ideal for alerting a change in machinery operational circumstances in explosive atmospheres.

Fitted with an electronic SMD LED circuit is particularly resistant to vibrations guaranteeing longer lifetime of the product and a significant reduction in maintenance costs.

Multifunctional product allowing 4 different light options: steady, single flash, double flash, triple flash selectable via internal dip-switch.

CODE	VOLTAGE (V)	CURRENT (mA)	WEIGHT (Kg)	COLOUR
04.07.06.01.05.00000	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Blue
04.07.06.01.05.00001	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Orange
04.07.06.01.05.00002	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Red
04.07.06.01.05.00003	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Green
04.07.06.01.05.00004	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Yellow
04.07.06.01.05.00005	12/24 A.C. / D.C.	175 A.C. 50 D.C.	2,58	Clear
04.07.06.01.05.00006	90/240 A.C.	30 A.C.	3,35	Blue
04.07.06.01.05.00007	90/240 A.C.	30 A.C.	3,35	Orange
04.07.06.01.05.00008	90/240 A.C.	30 A.C.	3,35	Red
04.07.06.01.05.00009	90/240 A.C.	30 A.C.	3,35	Green
04.07.06.01.05.00010	90/240 A.C.	30 A.C.	3,35	Yellow
04.07.06.01.05.00011	90/240 A.C.	30 A.C.	3,35	Clear



**Execution:**

II 2GD Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -20°C / +50°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

**Light colours:** blue, orange, red, green,

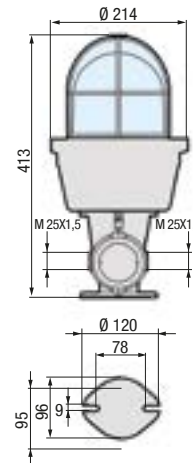
**RPM:** 140±10

**FPM:** 3F 3 x 85±10

Medium size integrated LED beacon, ideal for alerting a danger situation or a change in machinery operational circumstances in explosive atmospheres.

Fitted with an electronic SMD LED circuit, is particularly resistant to vibrations guaranteeing longer product lifetime and a significant reduction in maintenance costs. Multifunctional product allowing three different light options: steady, flashing, rotating.

CODE	VOLTAGE (V)	CURRENT (mA)	WEIGHT (Kg)	COLOUR
04.07.06.01.05.00012	12/24 A.C. / D.C.	530 A.C. / 280 D.C.	3,35	Blue
04.07.06.01.05.00013	12/24 A.C. / D.C.	530 A.C. / 280 D.C.	3,35	Orange
04.07.06.01.05.00014	12/24 A.C. / D.C.	530 A.C. / 280 D.C.	3,35	Red
04.07.06.01.05.00015	12/24 A.C. / D.C.	530 A.C. / 280 D.C.	3,35	Green
04.07.06.01.05.00016	90/240 A.C.	110 A.C.	3,35	Blue
04.07.06.01.05.00017	90/240 A.C.	110 A.C.	3,35	Orange
04.07.06.01.05.00018	90/240 A.C.	110 A.C.	3,35	Red
04.07.06.01.05.00019	90/240 A.C.	110 A.C.	3,35	Green



**Execution:**

II 2G Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -20°C / +40°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

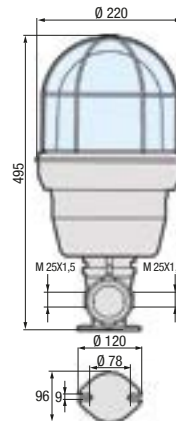
**Light colours:** blue, orange, red, green, yellow, clear

**FPM:** 1F 65±10

Medium size Xenon Flashing beacon, ideal for alerting a danger situation or a change in machinery operational circumstances in explosive atmospheres.

Fitted with a circuit specifically designed for these applications, guarantees high light output thanks to the powerful 6J flash.

CODE	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.09.01.05.00020	12/24 A.C. / D.C.	1	20000	4,93	Blue
04.07.09.01.05.00021	12/24 A.C. / D.C.	1	20000	4,93	Orange
04.07.09.01.05.00022	12/24 A.C. / D.C.	1	20000	4,93	Red
04.07.09.01.05.00023	12/24 A.C. / D.C.	1	20000	4,93	Green
04.07.09.01.05.00024	12/24 A.C. / D.C.	1	20000	4,93	Yellow
04.07.09.01.05.00025	12/24 A.C. / D.C.	1	20000	4,93	Clear
04.07.09.01.05.00026	110 A.C.	0,11	4200	4,93	Blue
04.07.09.01.05.00027	110 A.C.	0,11	4200	4,93	Orange
04.07.09.01.05.00028	110 A.C.	0,11	4200	4,93	Red
04.07.09.01.05.00029	110 A.C.	0,11	4200	4,93	Green
04.07.09.01.05.00030	110 A.C.	0,11	4200	4,93	Yellow
04.07.09.01.05.00031	110 A.C.	0,11	4200	4,93	Clear
04.07.09.01.05.00032	240 A.C.	0,09	16500	4,93	Blue
04.07.09.01.05.00033	240 A.C.	0,09	16500	4,93	Orange
04.07.09.01.05.00034	240 A.C.	0,09	16500	4,93	Red
04.07.09.01.05.00035	240 A.C.	0,09	16500	4,93	Green
04.07.09.01.05.00036	240 A.C.	0,09	16500	4,93	Yellow
04.07.09.01.05.00037	240 A.C.	0,09	16500	4,93	Clear



**Execution:**

II 2G Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -20°C / +40°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium alloy

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

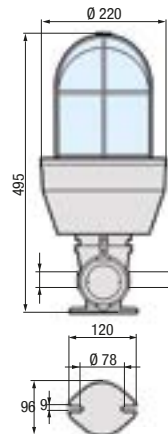
**Light colours:** blue, amber, red, green, yellow, clear

**FPM:** 1F 65±10

Medium size Xenon Flashing beacon, ideal for alerting a danger situation or a change in machinery operational circumstances in explosive atmospheres.

Fitted with a circuit specifically designed for these applications, guarantees high light output thanks to the powerful 15J flash.

CODE	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.09.01.05.00038	12/24 A.C. / D.C.	2,5	20000	11	Blue
04.07.09.01.05.00039	12/24 A.C. / D.C.	2,5	20000	11	Amber
04.07.09.01.05.00040	12/24 A.C. / D.C.	2,5	20000	11	Red
04.07.09.01.05.00041	12/24 A.C. / D.C.	2,5	20000	11	Green
04.07.09.01.05.00042	12/24 A.C. / D.C.	2,5	20000	11	Yellow
04.07.09.01.05.00043	12/24 A.C. / D.C.	2,5	20000	11	Clear
04.07.09.01.05.00044	110 A.C.	0,13	4200	11	Blue
04.07.09.01.05.00045	110 A.C.	0,13	4200	11	Amber
04.07.09.01.05.00046	110 A.C.	0,13	4200	11	Red
04.07.09.01.05.00047	110 A.C.	0,13	4200	11	Green
04.07.09.01.05.00048	110 A.C.	0,13	4200	11	Yellow
04.07.09.01.05.00049	110 A.C.	0,13	4200	11	Clear
04.07.09.01.05.00050	240 A.C.	0,15	16500	11	Blue
04.07.09.01.05.00051	240 A.C.	0,15	16500	11	Amber
04.07.09.01.05.00052	240 A.C.	0,15	16500	11	Red
04.07.09.01.05.00053	240 A.C.	0,15	16500	11	Green
04.07.09.01.05.00054	240 A.C.	0,15	16500	11	Yellow
04.07.09.01.05.00055	240 A.C.	0,15	16500	11	Clear



**Execution:**

II 2G Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -20°C / +50°C  
-25°C / +40°C (Halogen)

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium alloy

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

**Light colours:** blue, orange, red, green, yellow, clear

**RPM:** 160±30

Traditional rotating beacon, available with either a filament bulb or halogen bulb.

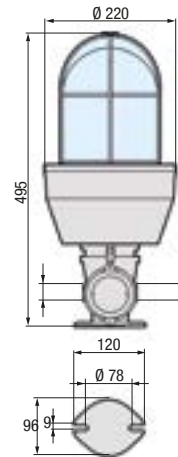
Large size beacon ideal for alerting a danger situation or a change in machinery operational circumstances in explosive atmospheres.

CODE	HALOGEN BULB				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.07.01.05.00000	12 A.C.	4,8	9000	7,42	Blue
04.07.07.01.05.00001	12 A.C.	4,8	9000	7,42	Orange
04.07.07.01.05.00002	12 A.C.	4,8	9000	7,42	Red
04.07.07.01.05.00003	12 A.C.	4,8	9000	7,42	Green
04.07.07.01.05.00004	12 A.C.	4,8	9000	7,42	Yellow
04.07.07.01.05.00005	12 A.C.	4,8	9000	7,42	Clear
04.07.07.01.05.00006	24 A.C.	3,1	9000	7,42	Blue
04.07.07.01.05.00007	24 A.C.	3,1	9000	7,42	Orange
04.07.07.01.05.00008	24 A.C.	3,1	9000	7,42	Red
04.07.07.01.05.00009	24 A.C.	3,1	9000	7,42	Green
04.07.07.01.05.00010	24 A.C.	3,1	9000	7,42	Yellow
04.07.07.01.05.00011	24 A.C.	3,1	9000	7,42	Clear
04.07.07.01.05.00012	12 D.C.	4,8	9000	7,42	Blue
04.07.07.01.05.00013	12 D.C.	4,8	9000	7,42	Orange
04.07.07.01.05.00014	12 D.C.	4,8	9000	7,42	Red
04.07.07.01.05.00015	12 D.C.	4,8	9000	7,42	Green
04.07.07.01.05.00016	12 D.C.	4,8	9000	7,42	Yellow
04.07.07.01.05.00017	12 D.C.	4,8	9000	7,42	Clear
04.07.07.01.05.00018	24 D.C.	3,1	9000	7,42	Blue
04.07.07.01.05.00019	24 D.C.	3,1	9000	7,42	Orange
04.07.07.01.05.00020	24 D.C.	3,1	9000	7,42	Red
04.07.07.01.05.00021	24 D.C.	3,1	9000	7,42	Green
04.07.07.01.05.00022	24 D.C.	3,1	9000	7,42	Yellow
04.07.07.01.05.00023	24 D.C.	3,1	9000	7,42	Clear

## Rotating beacons

CODE	INCANDESCENT BULB				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.01.01.05.00000	12 A.C.	4	5900	7,42	Blue
04.07.01.01.05.00001	12 A.C.	4	5900	7,42	Orange
04.07.01.01.05.00002	12 A.C.	4	5900	7,42	Red
04.07.01.01.05.00003	12 A.C.	4	5900	7,42	Green
04.07.01.01.05.00004	12 A.C.	4	5900	7,42	Yellow
04.07.01.01.05.00005	12 A.C.	4	5900	7,42	White
04.07.01.01.05.00006	24 A.C.	2,1	5900	7,42	Blue
04.07.01.01.05.00007	24 A.C.	2,1	5900	7,42	Orange
04.07.01.01.05.00008	24 A.C.	2,1	5900	7,42	Red
04.07.01.01.05.00009	24 A.C.	2,1	5900	7,42	Green
04.07.01.01.05.00010	24 A.C.	2,1	5900	7,42	Yellow
04.07.01.01.05.00011	24 A.C.	2,1	5900	7,42	White
04.07.01.01.05.00012	48 A.C.	0,74	540	7,42	Blue
04.07.01.01.05.00013	48 A.C.	0,74	540	7,42	Orange
04.07.01.01.05.00014	48 A.C.	0,74	540	7,42	Red
04.07.01.01.05.00015	48 A.C.	0,74	540	7,42	Green
04.07.01.01.05.00016	48 A.C.	0,74	540	7,42	Yellow
04.07.01.01.05.00017	48 A.C.	0,74	540	7,42	White
04.07.01.01.05.00018	110 A.C.	0,31	460	7,42	Blue
04.07.01.01.05.00019	110 A.C.	0,31	460	7,42	Orange
04.07.01.01.05.00020	110 A.C.	0,31	460	7,42	Red
04.07.01.01.05.00021	110 A.C.	0,31	460	7,42	Green
04.07.01.01.05.00022	110 A.C.	0,31	460	7,42	Yellow
04.07.01.01.05.00023	110 A.C.	0,31	460	7,42	White
04.07.01.01.05.00024	240 A.C.	0,15	360	7,42	Blue
04.07.01.01.05.00025	240 A.C.	0,15	360	7,42	Orange
04.07.01.01.05.00026	240 A.C.	0,15	360	7,42	Red
04.07.01.01.05.00027	240 A.C.	0,15	360	7,42	Green
04.07.01.01.05.00028	240 A.C.	0,15	360	7,42	Yellow
04.07.01.01.05.00029	240 A.C.	0,15	360	7,42	White

CODE	HALOGEN BULB				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.01.01.05.00030	12 D.C.	4	5900	7,42	Blue
04.07.01.01.05.00031	12 D.C.	4	5900	7,42	Orange
04.07.01.01.05.00032	12 D.C.	4	5900	7,42	Red
04.07.01.01.05.00033	12 D.C.	4	5900	7,42	Green
04.07.01.01.05.00034	12 D.C.	4	5900	7,42	Yellow
04.07.01.01.05.00035	12 D.C.	4	5900	7,42	White
04.07.01.01.05.00036	24 D.C.	2,1	5900	7,42	Blue
04.07.01.01.05.00037	24 D.C.	2,1	5900	7,42	Orange
04.07.01.01.05.00038	24 D.C.	2,1	5900	7,42	Red
04.07.01.01.05.00039	24 D.C.	2,1	5900	7,42	Green
04.07.01.01.05.00040	24 D.C.	2,1	5900	7,42	Yellow
04.07.01.01.05.00041	24 D.C.	2,1	5900	7,42	White
04.07.01.01.05.00042	48 D.C.	1	5900	7,42	Blue
04.07.01.01.05.00043	48 D.C.	1	5900	7,42	Orange
04.07.01.01.05.00044	48 D.C.	1	5900	7,42	Red
04.07.01.01.05.00045	48 D.C.	1	5900	7,42	Green
04.07.01.01.05.00046	48 D.C.	1	5900	7,42	Yellow
04.07.01.01.05.00047	48 D.C.	1	5900	7,42	White



**Execution:**

II 2G Ex d e IIC T6 Gb

**Protection degree:** IP66

**Ambient temperature:** -25°C / +50°C

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

**Material:** copper free aluminium

**External coating:** polyester RAL 3020

**Thread:** M25x1,5

**Light colours:** blue, orange, red,  
green, yellow, clear

**FPM:** 160±30

Traditional flashing beacon with either a filament bulb or halogen bulb.

Large size beacon ideal for alerting a danger situation or a change in machinery operational circumstances in explosive atmospheres.

CODE	INCANDESCENT BULB (STEADY)					COLOUR
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)		
04.07.01.01.05.00048	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00049	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00050	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00051	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00052	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00053	12 A.C. / D.C.	3,3	720	7,36		
04.07.01.01.05.00054	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00055	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00056	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00057	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00058	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00059	24 A.C. / D.C.	1,65	900	7,36		
04.07.01.01.05.00060	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00061	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00062	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00063	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00064	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00065	48 A.C. / D.C.	0,83	720	7,36		
04.07.01.01.05.00066	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00067	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00068	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00069	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00070	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00071	110 A.C. / D.C.	0,36	67	7,36		
04.07.01.01.05.00072	240 A.C. / D.C.	0,17	135	7,36		
04.07.01.01.05.00073	240 A.C. / D.C.	0,17	135	7,36		
04.07.01.01.05.00074	240 A.C. / D.C.	0,17	135	7,36		
04.07.01.01.05.00075	240 A.C. / D.C.	0,17	135	7,36		
04.07.01.01.05.00076	240 A.C. / D.C.	0,17	135	7,36		
04.07.01.01.05.00077	240 A.C. / D.C.	0,17	135	7,36		

Flashing beacons

CODE	INCANDESCENT BULB (FLASHING)				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.01.01.05.00078	24 A.C.	1,7	900	7,36	Blue
04.07.01.01.05.00079	24 A.C.	1,7	900	7,36	Orange
04.07.01.01.05.00080	24 A.C.	1,7	900	7,36	Red
04.07.01.01.05.00081	24 A.C.	1,7	900	7,36	Green
04.07.01.01.05.00082	24 A.C.	1,7	900	7,36	Yellow
04.07.01.01.05.00083	24 A.C.	1,7	900	7,36	White
04.07.01.01.05.00084	48 A.C.	0,83	720	7,36	Blue
04.07.01.01.05.00085	48 A.C.	0,83	720	7,36	Orange
04.07.01.01.05.00086	48 A.C.	0,83	720	7,36	Red
04.07.01.01.05.00087	48 A.C.	0,83	720	7,36	Green
04.07.01.01.05.00088	48 A.C.	0,83	720	7,36	Yellow
04.07.01.01.05.00089	48 A.C.	0,83	720	7,36	White
04.07.01.01.05.00090	110 A.C.	0,36	67	7,36	Blue
04.07.01.01.05.00091	110 A.C.	0,36	67	7,36	Orange
04.07.01.01.05.00092	110 A.C.	0,36	67	7,36	Red
04.07.01.01.05.00093	110 A.C.	0,36	67	7,36	Green
04.07.01.01.05.00094	110 A.C.	0,36	67	7,36	Yellow
04.07.01.01.05.00095	110 A.C.	0,36	67	7,36	White
04.07.01.01.05.00096	240 A.C.	0,17	135	7,36	Blue
04.07.01.01.05.00097	240 A.C.	0,17	135	7,36	Orange
04.07.01.01.05.00098	240 A.C.	0,17	135	7,36	Red
04.07.01.01.05.00099	240 A.C.	0,17	135	7,36	Green
04.07.01.01.05.00100	240 A.C.	0,17	135	7,36	Yellow
04.07.01.01.05.00101	240 A.C.	0,17	135	7,36	White

CODE	HALOGEN BULB (FLASHING)				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.07.01.05.00024	12 A.C.	4,6	720	7,36	Blue
04.07.07.01.05.00025	12 A.C.	4,6	720	7,36	Orange
04.07.07.01.05.00026	12 A.C.	4,6	720	7,36	Red
04.07.07.01.05.00027	12 A.C.	4,6	720	7,36	Green
04.07.07.01.05.00028	12 A.C.	4,6	720	7,36	Yellow
04.07.07.01.05.00029	12 A.C.	4,6	720	7,36	White
04.07.07.01.05.00030	24 A.C.	2,9	720	7,36	Blue
04.07.07.01.05.00031	24 A.C.	2,9	720	7,36	Orange
04.07.07.01.05.00032	24 A.C.	2,9	720	7,36	Red
04.07.07.01.05.00033	24 A.C.	2,9	720	7,36	Green
04.07.07.01.05.00034	24 A.C.	2,9	720	7,36	Yellow
04.07.07.01.05.00035	24 A.C.	2,9	720	7,36	White



CODE	INCANDESCENT BULB (FLASHING)				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.01.01.05.00102	12 D.C.	3,4	720	7,36	Blue
04.07.01.01.05.00103	12 D.C.	3,4	720	7,36	Orange
04.07.01.01.05.00104	12 D.C.	3,4	720	7,36	Red
04.07.01.01.05.00105	12 D.C.	3,4	720	7,36	Green
04.07.01.01.05.00106	12 D.C.	3,4	720	7,36	Yellow
04.07.01.01.05.00107	12 D.C.	3,4	720	7,36	White
04.07.01.01.05.00108	24 D.C.	1,7	900	7,36	Blue
04.07.01.01.05.00109	24 D.C.	1,7	900	7,36	Orange
04.07.01.01.05.00110	24 D.C.	1,7	900	7,36	Red
04.07.01.01.05.00111	24 D.C.	1,7	900	7,36	Green
04.07.01.01.05.00112	24 D.C.	1,7	900	7,36	Yellow
04.07.01.01.05.00113	24 D.C.	1,7	900	7,36	White
04.07.01.01.05.00114	48 D.C.	0,83	720	7,36	Blue
04.07.01.01.05.00115	48 D.C.	0,83	720	7,36	Orange
04.07.01.01.05.00116	48 D.C.	0,83	720	7,36	Red
04.07.01.01.05.00117	48 D.C.	0,83	720	7,36	Green
04.07.01.01.05.00118	48 D.C.	0,83	720	7,36	Yellow
04.07.01.01.05.00119	48 D.C.	0,83	720	7,36	White

CODE	HALOGEN BULB (FLASHING)				
	VOLTAGE (V)	CURRENT (mA)	Cd [p]	WEIGHT (Kg)	COLOUR
04.07.07.01.05.00024	12 D.C.	4,6	720	7,36	Blue
04.07.07.01.05.00025	12 D.C.	4,6	720	7,36	Orange
04.07.07.01.05.00026	12 D.C.	4,6	720	7,36	Red
04.07.07.01.05.00027	12 D.C.	4,6	720	7,36	Green
04.07.07.01.05.00028	12 D.C.	4,6	720	7,36	Yellow
04.07.07.01.05.00029	12 D.C.	4,6	720	7,36	White
04.07.07.01.05.00030	24 D.C.	2,9	720	7,36	Blue
04.07.07.01.05.00031	24 D.C.	2,9	720	7,36	Orange
04.07.07.01.05.00032	24 D.C.	2,9	720	7,36	Red
04.07.07.01.05.00033	24 D.C.	2,9	720	7,36	Green
04.07.07.01.05.00034	24 D.C.	2,9	720	7,36	Yellow
04.07.07.01.05.00035	24 D.C.	2,9	720	7,36	White



**Execution:**

Ex d IIC T6 Gb  
IEx tb IIIC T85°C Db IP66

**Protection degree:** IP66

**Applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31

**Ambient temperature:** -20°C / +60°C

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws - stainless steel  
Pins - brass

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

NOMINAL WORKING VOLTAGE	COLOUR
20-25V	Purple
40-45V	
100-130V	Yellow
200-250V	Blue
380-480V	Red
480-500V	Black

SOCKET CODE	PLUG CODE	INTERLOCKED SOCKETS AND PLUGS				COLOUR
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)	TYPE	
07.01.01.01.04.00000	07.02.01.01.04.00000	2P+T (PE)	24	16-25	A	Purple
07.01.01.01.04.00001	07.02.01.01.04.00001	2P+T (PE)	48	16-25	A	
07.01.01.01.04.00002	07.02.01.01.04.00002	2P+T (PE)	110/130	16-25	A	Yellow
07.01.01.01.04.00003	07.02.01.01.04.00003	2P+T (PE)	220/250	16-25	A	Blue
07.01.01.01.04.00004	07.02.01.01.04.00004	3P+T (PE)	380/415	16-25	A	Red
07.01.01.01.04.00005	07.02.01.01.04.00005	3P+T (PE)	480/500	16-25	A	Black
07.01.01.01.04.00006	07.02.01.01.04.00006	3P+N+T (PE)	380/415	16-25	A	Red
07.01.01.01.04.00007	07.02.01.01.04.00007	3P+N+T (PE)	480/500	16-25	A	Black

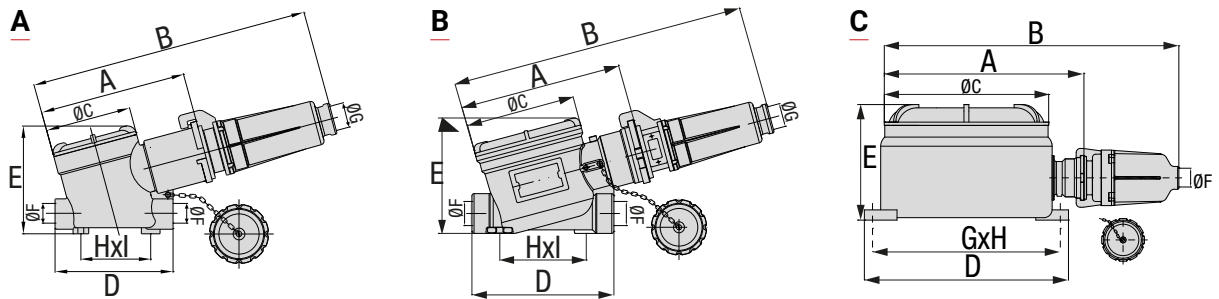
SOCKET CODE	PLUG CODE	INTERLOCKED SOCKETS AND PLUGS WITH CIRCUIT BREAKER				COLOUR
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)	TYPE	
07.01.01.01.04.00008	07.02.01.01.04.00008	2P+T (PE)	220/250	32	B	Blue
07.01.01.01.04.00009	07.02.01.01.04.00009	3P+T (PE)	380/400	32	B	Red
07.01.01.01.04.00010	07.02.01.01.04.00010	2P+T (PE)	220/250	63	B	Blue
07.01.01.01.04.00011	07.02.01.01.04.00011	3P+T (PE)	380/400	63	B	Red

SOCKET CODE	PLUG CODE	INTERLOCKED SOCKETS AND PLUGS WITH ON-LOAD SWITCH				COLOUR
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)	TYPE	
07.01.01.01.04.00012	07.02.01.01.04.00012	2P+T (PE)	220/250	32	B	Blue
07.01.01.01.04.00013	07.02.01.01.04.00013	3P+T (PE)	380/415	32	B	Red
07.01.01.01.04.00014	07.02.01.01.04.00014	3P+T (PE)	480/500	32	B	Black
07.01.01.01.04.00015	07.02.01.01.04.00015	3P+N+T (PE)	380/415	32	B	Red
07.01.01.01.04.00016	07.02.01.01.04.00016	3P+N+T (PE)	480/500	32	B	Black
07.01.01.01.04.00017	07.02.01.01.04.00017	2P+T (PE)	220/250	63	B	Blue
07.01.01.01.04.00018	07.02.01.01.04.00018	3P+T (PE)	380/415	63	B	Red
07.01.01.01.04.00019	07.02.01.01.04.00019	3P+T (PE)	480/500	63	B	Black
07.01.01.01.04.00020	07.02.01.01.04.00020	3P+N+T (PE)	380/415	63	B	Red
07.01.01.01.04.00021	07.02.01.01.04.00021	3P+N+T (PE)	480/500	63	B	Black

SOCKET CODE	PLUG CODE	125A INTERLOCKED SOCKETS AND PLUGS			
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)	TYPE
07.01.01.01.04.00022	07.02.01.01.04.00022	3P+T (PE)	380/415	125	C
07.01.01.01.04.00023	07.02.01.01.04.00023	3P+T (PE)	480/500	125	C
07.01.01.01.04.00024	07.02.01.01.04.00024	4P+T (PE)	380/415	125	C
07.01.01.01.04.00025	07.02.01.01.04.00025	4P+T (PE)	480/500	125	C

TYPE	DIMENSIONS (mm)							FIXING HxL (mm)	WEIGHT (Kg)
	A	B	C	D	E	F	G		
A	195	370	113	155	140	3/4" NPT	1" NPT	92x90	2,80
B	230	415	155	200	163	1" NPT	1" NPT	125x80	4,00
C	380	615	275	305	225	-	1-1/2" NPT	308x270	15,50

**Note:** External painting on request





**Execution:**

Ex d IIC T6  
Ex tD A21 T85°C IP66/67

**Protection degree:**

IP66  
IP67

**Atex applicable standards:**

EN 60079-0, EN 60079-1

**IECEx applicable standards:**

IEC 61241-0, IEC 61241-1

**Ambient temperature:** -20°C / +60°C

**Material:**

Body - copper free aluminium  
Cover - copper free aluminium  
Screws - stainless steel  
Pins - brass

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

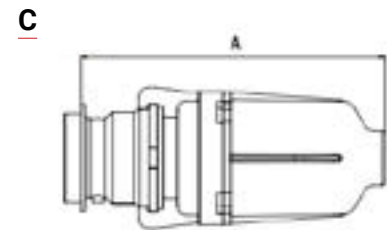
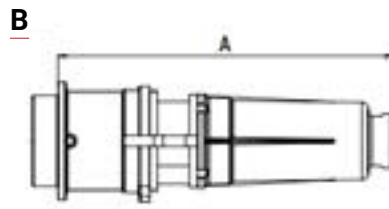
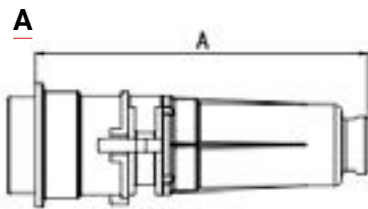
NOMINAL WORKING VOLTAGE	COLOUR
20-25V	Purple
40-45V	Yellow
100-130V	Blue
200-250V	Red
380-480V	Black
480-500V	Black

SOCKET CODE	PLUG CODE	INTERLOCKED SOCKETS AND PLUGS				TYPE	COLOUR
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)			
07.02.01.01.04.00030	07.01.01.01.04.00030	2P+T (PE)	24	16	A	Purple	
07.02.01.01.04.00031	07.01.01.01.04.00031	2P+T (PE)	24	25	A	Purple	
07.02.01.01.04.00032	07.01.01.01.04.00032	2P+T (PE)	48	16	A	Yellow	
07.02.01.01.04.00033	07.01.01.01.04.00033	2P+T (PE)	48	25	A	Yellow	
07.02.01.01.04.00034	07.01.01.01.04.00034	2P+T (PE)	110/130	16	A	Blue	
07.02.01.01.04.00035	07.01.01.01.04.00035	2P+T (PE)	110/130	25	A	Blue	
07.02.01.01.04.00036	07.01.01.01.04.00036	2P+T (PE)	220/250	16	A	Red	
07.02.01.01.04.00037	07.01.01.01.04.00037	2P+T (PE)	220/250	25	A	Red	
07.02.01.01.04.00038	07.01.01.01.04.00038	2P+T (PE)	380/500	16	A	Black	
07.02.01.01.04.00039	07.01.01.01.04.00039	3P+T (PE)	380/500	25	A	Black	
07.02.01.01.04.00040	07.01.01.01.04.00040	3P+N+T (PE)	380/500	25	A	Black	

SOCKET CODE	PLUG CODE	INTERLOCKED SOCKETS AND PLUGS WITH CIRCUIT BREAKER				TYPE	COLOUR
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)			
07.02.01.01.04.00040	07.01.01.01.04.00040	2P+T (PE)	220/250	32	B	Blue	
07.02.01.01.04.00041	07.01.01.01.04.00041	3P+T (PE)	380/415	32	B	Red	
07.02.01.01.04.00042	07.01.01.01.04.00042	4P+T (PE)	380/500	32	B	Black	
07.02.01.01.04.00043	07.01.01.01.04.00043	2P+T (PE)	220/250	63	B	Blue	
07.02.01.01.04.00044	07.01.01.01.04.00044	3P+T (PE)	380/500	63	B	Red	
07.02.01.01.04.00045	07.01.01.01.04.00045	4P+T (PE)	380/500	63	B	Black	

SOCKET CODE	PLUG CODE	125A INTERLOCKED SOCKETS AND PLUGS			
		POLES	VOLTAGE 50-60Hz (V)	CURRENT (A)	TYPE
07.02.01.01.04.00046	07.01.01.01.04.00046	3P+T (PE)	380/500	125	C
07.02.01.01.04.00047	07.01.01.01.04.00047	4P+T (PE)	380/500	125	C

TYPE	DIMENSIONS (mm)	TEMPERATURE CLASS (GAS)	TEMPERATURE CLASS (DUSTS)	WEIGHT (Kg)
	A			
A	243	T6	T6	1.50
B	255	T6	T6	2.00
C	310	T6	T6	5.00



**Execution:**

Ex d e IICT4,T5,T6 Gb  
Ex tb IIICT80°C Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31,  
EN 60079-7, EN 60309-1, EN 60309-2  
EN 60309-4

**IECEx applicable standards:**

IEC 60079-0, IEC 60079-1, IEC 60079-31,  
IEC 60079-7, IEC 60309-1, IEC 60309-2  
IEC 60309-4

**Ambient temperature (16/63/125A):**

-35°C / +40°C

**Ambient temperature (32A):** -50°C / +60°C

**Maximum permissible surface temperature:** T80°C

**Temperature class (GAS):** T4/  
T5/T6

**Impact resistance:** 7J

**Material:** Thermosetting (GRP)

**External coating:** Black RAL9005

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

CODE				POLES	VOLTAGE		COLOUR	
16A	32A	63A	125A		HZ	VOLT	16A-32A-63A	125A
07.01.01.19.05.00000	07.01.01.19.05.00024	-	-	2P + T	50/60	100-130		-
07.01.01.19.05.00001	07.01.01.19.05.00025	-	-	2P + T	50/60	200-250		-
07.01.01.19.05.00002	07.01.01.19.05.00026	-	-	2P + T	50/60	380-415		-
07.01.01.19.05.00003	07.01.01.19.05.00027	-	-	2P + T	50/60	480-500		-
07.01.01.19.05.00004	07.01.01.19.05.00028	-	-	2P + T	300:500	50:500		-
07.01.01.19.05.00005	07.01.01.19.05.00029	-	-	2P + T	d.c	50:250		-
07.01.01.19.05.00006	07.01.01.19.05.00030	-	-	2P + T	d.c	>250:500		-
07.01.01.19.05.00007	07.01.01.19.05.00031	07.01.01.19.05.00048	07.01.01.19.05.00065	3P + T	50/60	100-130		
07.01.01.19.05.00008	07.01.01.19.05.00032	07.01.01.19.05.00049	07.01.01.19.05.00066	3P + T	50/60	200-250		
07.01.01.19.05.00009	07.01.01.19.05.00033	07.01.01.19.05.00050	07.01.01.19.05.00067	3P + T	50/60	380-415		
07.01.01.19.05.00010	07.01.01.19.05.00034	07.01.01.19.05.00051	07.01.01.19.05.00068	3P + T	60	440-460		
07.01.01.19.05.00011	07.01.01.19.05.00035	07.01.01.19.05.00052	07.01.01.19.05.00069	3P + T	50/60	480-500		
07.01.01.19.05.00012	07.01.01.19.05.00036	07.01.01.19.05.00053	07.01.01.19.05.00070	3P + T	50/60	600-690		
07.01.01.19.05.00013	07.01.01.19.05.00037	07.01.01.19.05.00054	07.01.01.19.05.00071	3P + T	50/60	380/440		
07.01.01.19.05.00014	07.01.01.19.05.00038	07.01.01.19.05.00055	07.01.01.19.05.00072	3P + T	100:300	50:690		
07.01.01.19.05.00015	07.01.01.19.05.00039	07.01.01.19.05.00056	07.01.01.19.05.00073	3P + T	>300:500	50:690		
07.01.01.19.05.00016	07.01.01.19.05.00040	07.01.01.19.05.00057	07.01.01.19.05.00074	3P + N + T	50/60	100-130		
07.01.01.19.05.00017	07.01.01.19.05.00041	07.01.01.19.05.00058	07.01.01.19.05.00075	3P + N + T	50/60	208-250		
07.01.01.19.05.00018	07.01.01.19.05.00042	07.01.01.19.05.00059	07.01.01.19.05.00076	3P + N + T	50/60	346-415		
07.01.01.19.05.00019	07.01.01.19.05.00043	07.01.01.19.05.00060	07.01.01.19.05.00077	3P + N + T	50/60	480-500		
07.01.01.19.05.00020	07.01.01.19.05.00044	07.01.01.19.05.00061	07.01.01.19.05.00078	3P + N + T	50/60	600-690		
07.01.01.19.05.00021	07.01.01.19.05.00045	07.01.01.19.05.00062	07.01.01.19.05.00079	3P + N + T	60	440-460		
07.01.01.19.05.00022	07.01.01.19.05.00046	07.01.01.19.05.00063	07.01.01.19.05.00080	3P + N + T	50/60	380/440		
07.01.01.19.05.00023	07.01.01.19.05.00047	07.01.01.19.05.00064	07.01.01.19.05.00081	3P + N + T	>300:500	50:690		



**Execution:**

Ex e IICT4,T5,T6 Gb  
Ex tb IIIC T80°C Db IP66

**Protection degree:** IP66

**Atex applicable standards:**

EN 60079-0, EN 60079-1, EN 60079-31,  
EN 60079-7, EN 60309-1, EN 60309-2

**IECEx applicable standards:**

IEC 60079-0, IEC 60079-1, IEC 60079-31,  
IEC 60079-7, IEC 60309-1, IEC 60309-2

**Ambient temperature (63/125A):** -35°C / +40°C

**Ambient temperature (16/32A):** -50°C / +60°C

**Maximum permissible surface temperature:** T80°C

**Temperature class (GAS):** T4/T5/T6

**Impact resistance:** 7J

**Material:** PA6 - Dissipative

**External coating:** Black RAL9011

**Installation area:** zone 1 – 2 (Gas)  
zone 21 - 22 (Dust)

CODE				POLES	VOLTAGE		HOURS	COLOUR	
16A	32A	63A	125A		HZ	VOLT		16A-32A-63A	125A
07.02.01.19.05.0000	07.02.01.19.05.00024	-	-	2P + T	50/60	100-130	4	Yellow	-
07.02.01.19.05.00001	07.02.01.19.05.00025	-	-	2P + T	50/60	200-250	6	Blue	-
07.02.01.19.05.00002	07.02.01.19.05.00026	-	-	2P + T	50/60	380-415	9	Red	-
07.02.01.19.05.00003	07.02.01.19.05.00027	-	-	2P + T	50/60	480-500	7	Red	-
07.02.01.19.05.00004	07.02.01.19.05.00028	-	-	2P + T	300:500	50:500	2	Red	-
07.02.01.19.05.00005	07.02.01.19.05.00029	-	-	2P + T	d.c	50:250	3	Red	-
07.02.01.19.05.00006	07.02.01.19.05.00030	-	-	2P + T	d.c	>250:500	8	Red	-
07.02.01.19.05.00007	07.02.01.19.05.00031	07.02.01.19.05.00048	07.02.01.19.05.00065	3P + T	50/60	100-130	4	Yellow	Black
07.02.01.19.05.00008	07.02.01.19.05.00032	07.02.01.19.05.00049	07.02.01.19.05.00066	3P + T	50/60	200-250	9	Blue	Black
07.02.01.19.05.00009	07.02.01.19.05.00033	07.02.01.19.05.00050	07.02.01.19.05.00067	3P + T	50/60	380-415	6	Red	Black
07.02.01.19.05.00010	07.02.01.19.05.00034	07.02.01.19.05.00051	07.02.01.19.05.00068	3P + T	60	440-460	11	Red	Black
07.02.01.19.05.00011	07.02.01.19.05.00035	07.02.01.19.05.00052	07.02.01.19.05.00069	3P + T	50/60	480-500	7	Red	Black
07.02.01.19.05.00012	07.02.01.19.05.00036	07.02.01.19.05.00053	07.02.01.19.05.00070	3P + T	50/60	600-690	5	Red	Black
07.02.01.19.05.00013	07.02.01.19.05.00037	07.02.01.19.05.00054	07.02.01.19.05.00071	3P + T	50/60	380/440	3	Red	Black
07.02.01.19.05.00014	07.02.01.19.05.00038	07.02.01.19.05.00055	07.02.01.19.05.00072	3P + T	100:300	50:690	10	Red	Black
07.02.01.19.05.00015	07.02.01.19.05.00039	07.02.01.19.05.00056	07.02.01.19.05.00073	3P + T	>300:500	50:690	2	Red	Black
07.02.01.19.05.00016	07.02.01.19.05.00040	07.02.01.19.05.00057	07.02.01.19.05.00074	3P + N + T	50/60	100-130	4	Yellow	Black
07.02.01.19.05.00017	07.02.01.19.05.00041	07.02.01.19.05.00058	07.02.01.19.05.00075	3P + N + T	50/60	208-250	9	Blue	Black
07.02.01.19.05.00018	07.02.01.19.05.00042	07.02.01.19.05.00059	07.02.01.19.05.00076	3P + N + T	50/60	346-415	6	Red	Black
07.02.01.19.05.00019	07.02.01.19.05.00043	07.02.01.19.05.00060	07.02.01.19.05.00077	3P + N + T	50/60	480-500	7	Red	Black
07.02.01.19.05.00020	07.02.01.19.05.00044	07.02.01.19.05.00061	07.02.01.19.05.00078	3P + N + T	50/60	600-690	5	Red	Black
07.02.01.19.05.00021	07.02.01.19.05.00045	07.02.01.19.05.00062	07.02.01.19.05.00079	3P + N + T	60	440-460	11	Red	Black
07.02.01.19.05.00022	07.02.01.19.05.00046	07.02.01.19.05.00063	07.02.01.19.05.00080	3P + N + T	50/60	380/440	3	Red	Black
07.02.01.19.05.00023	07.02.01.19.05.00047	07.02.01.19.05.00064	07.02.01.19.05.00081	3P + N + T	>300:500	50:690	2	Red	Black



**Execution:**  
III 3 Ex ic IIC T4 Gc,CE, ETL, IECEX, RoHs

**Light Source:**  
High Flux LED

**Batteries:** NiMH

**Length:**  
15.75" (40cm) Closed  
32.28" (82cm) Extended

**Colour:** Orange

**Lumens:** 750 (Low), 1500 (High)

**Burntime:** 10 hrs. (Low), 5 hrs. (High)

**Beam spread:** 90°

**Number of leds:** 18 per head

**Lamp heads:** 1

CODE	WEIGHT
04.06.06.24.12.00000	17.60 lbs (8 kg)



**Light Source:**  
High Flux LED

**Batteries:** NiMH

**Length:**  
95 cm (37,4") Closed  
219 cm (86,25") Extended

**Colour:** Black, Yellow

**Approvals:** 1200 (Low), 2400 (High)

**Light Output:** 6 hrs. (Low), 3 hrs. (High)

**Run Time:** 120°

**Number of leds:** 1

**Lamp Heads:** 1

CODE	WEIGHT
04.06.06.24.12.00000	17.60 lbs (8 kg)



**Light Source:**  
Cree

**Batteries:** Rech. Lithium ion

**Length:**  
73.6 cm (29") Chiuso  
157,4 cm (62") Aperto

**Colour:** Black

**Approvals:** CE, RoHs

**Lumens:** 500 (Low), 1000 (High)

**Burntime:** 4 hrs. (Low), 2 hrs. (High)

**Beam spread:** 58°

**Number of leds:** 2 per head

**Lamp heads:** 1

CODE	WEIGHT
04.06.06.24.01.00001	8.40 lbs (3.8 kg)





**Light Source:**  
High Flux LED

**Batteries:** 12v Rechargeable, Sealed

**Length:**  
55,9 cm (37,4") Closed  
179,9 cm (86,25") Extended

**Colour:** Black, Yellow

**Approvals:** CE, RoHs

**Light Output:** 500 (Low), 6000 (High)

**Run Time:** 40 hrs. (Low), 7 hrs. (High)

**Beam spread:** 90°

**Number of leds:** 6 per head

**Lamp heads:** 2

CODE	WEIGHT
04.06.06.24.01.00002	55.00 lbs (24.9 kg)



**Light Source:**  
High Flux LED

**Batteries:** 12v Rechargeable, Sealed

**Length:**  
24.83" (63cm) Closed  
72.85" (185cm) Extended

**Approvals:** Ce, RoHS

**Colour:** Orange

**Lumens:** 1000 (Low), 12000 (High)

**Burntime:** 40 hrs. (Low), 7 hrs. (High)

**Beam spread:** 90°

**Number of leds:** 6 per head

**Lamp heads:** 4

CODE	WEIGHT
04.06.06.24.01.00003	104.00 lbs (47.2 kg)

Personal Lights



**Light Source:** XENON

**Batteries:** 2 AAA Alkaline (Included)

**Length:** 4.09" (10.4cm)

**Colour:** Yellow, Black, Blue, White

**Approvals:** C1 D1 Ex ib e IIC T4 IP67 IEC Ex TSA 06.0021X

**Light output:** 11 lumens

**Runtime:** 1h 30 min

**Beam distance:** 45 m

**Peak beam intensity:** 571 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.09.24.08.00000	1.6 oz (45.36 gr)



**Light Source:**  
Halogen (high)

**Batteries:** 4 alkaline AA includes

**Length:**  
5,5 cm ( 2,63")

**Colour:** Black

**Approvals:** C1, D2 II EEX nL IIC T3X

**Light output:** 29/16 lumens

**Runtime:** 2.45 h / 17 h

**Beam distance:** 46 m / 20 m

**Peak beam intensity:** 586 cd / 103 cd

**Water resistant**

CODE
04.06.07.24.01.00000



**Light Source:** Led

**Batteries:** 3 Alkaline AAA (Included)

**Length:** 7.1 cm (2.81")

**Colour:** Black

**Approvals:** CE Ex approval IM1 Ex ia I ma, II G Ex ia IIC T4 Ga, Ex ia IIIC T65°C Da IP65

**Light output:** 60 lumens

**Runtime:** 10 hm 30 min

**Beam distance:** 81 m

**Peak beam intensity:** 1664 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00003	4.1 oz (116.23 gr)

Light zone 1



**Light Source:** XENON

**Batteries:** 2 AAA Alkaline (Included)

**Length:** 4.09" (10.4cm)

**Colour:** Yellow, Grey

**Approvals:** II 2G Ex ia IIC T4/T6

**Light output:** 11 lumens

**Runtime:** 1h 30 min

**Beam distance:** 45 m

**Peak beam intensity:** 571 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.09.24.06.00000	1.6 oz (45.36 gr)



**Light Source:** XENON

**Batteries:** 3 Alkaline C ( not Included)

**Length:** 19.08 cm (7.79")

**Colour:** Yellow, Grey

**Approvals:** II 2 G Ex e ib IIC T4

**Light output:** 39 lumens

**Runtime:** 6h min

**Beam distance:** 177 m

**Peak beam intensity:** 7852 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.09.24.13.00000	12.8 oz (362.87 gr)

Light zone 0 and 1



**Light Source:** led

**Batteries:** 4 Alkaline LR 44 (Included)

**Length:** 6.7" (2.64cm)

**Colour:** Grey

**Approvals:** II 1 G Ex ia IIC T4/T6

**Light output:** 12 lumens

**Runtime:** 4h 15 min

**Beam distance:** 17 m

**Peak beam intensity:** 70 cd

**Waterproof**

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00000	0.9 oz (25.51 gr)



**Light Source:** Led

**Batteries:** 3 Alkaline C (Included)

**Length:** 20.6 cm (8.11")

**Colour:** Grey, Yellow

**Approvals:** II 1 G Ex ia IIC T4 Ga

**Light output:** 109 lumens

**Runtime:** 32 h

**Beam distance:** 144 m

**Peak beam intensity:** 5189 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00001	13.4 oz (379.88 gr)



**Light Source:** LED

**Batteries:** 2 AAA Alkaline (Included)

**Length:** 13.9 cm (5.48")

**Colour:** Yellow, Grey

**Approvals:** II 1 GD Ex ia IIC T4 Ga Ex iaD 20 IP65 T90°C Da

**Light output:** 21 lumens

**Runtime:** 4h

**Beam distance:** 51 m

**Peak beam intensity:** 756 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00002	1.9 oz (53.86 gr)

Torches



**Light Source:** LED

**Batteries:** 4 AA Alkaline (Included)

**Length:** 19.1 cm (7.51")

**Colour:** Yellow, Grey

**Approvals:** II 1 G Ex ia IIC T4 G a, II 1 D Ex ia IIIC T135A°C Da IP6 6

**Light output:** 126 lumens

**Runtime:** 7h 30 min

**Beam distance:** 161 m

**Peak beam intensity:** 6500 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00004	10.5 oz (297.67 gr)



**Light Source:** Led

**Batteries:** 4 niMH AA (Included)

**Length:** 19.1 cm (7.51")

**Colour:** Yellow, Black

**Approvals:** II 2 G Ex ib IIC T4 Gb

**Light output:** 112 lumens

**Runtime:** 4 hm 30 min

**Beam distance:** 163m

**Peak beam intensity:** 5828 cd

**Waterproof & submersible:** 1 m

CODE	WEIGHT WITH BATTERIES
04.06.06.24.08.00002	10.5 oz (297.67 gr)



**Light Source:** LED

**Batteries:** 4 AA Alkaline (Included)

**Length:** 13.6 cm (5.36")

**Colour:** Yellow

**Approvals:** II 1 G Ex ia IIC T4 G a

**Light output:** 174/95 lumens

**Runtime:** 4h 45min

**Beam distance:** 278 m

**Peak beam intensity:** 19389 cd

**Waterproof**

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00005	14.4 oz (408.23 gr)

Work and inspection light with emergency light function



**Execution:**

II 2 G Ex ib IIC T4 Gb

II 2 D Ex ib IIIC T135°C Db

**Applicable standards:** EN 60079-0,  
EN 60079-11

**Protection degree:** IP65

**Ambient temperature:** -20°C / +50°C

**Installation area:** 1 – 2 / 21 – 22

**Illuminant:** 5x1.6W Power LEDs, white

**Autonomy:**

2 to 8 hours, depending on operating mode

**Dimensions:**

125x260x92.5mm (light excl. charging station)

149x332x106mm (light incl. charging station)

149x276x95mm (charging station)

**Weight:**

1.4 Kg (light)

700 g (charging station)

CODE	DESCRIPTION
04.06.06.24.08.00000	Ex LIGHT + CHARGING STATION 230V
04.06.06.24.08.00001	Ex LIGHT + CHARGING STATION 12-24VDC

Ex cable reels



**Execution:** Ex de IIC T6

**Installation area:** 1 – 2

**Dimensions:** 300 x 410 x 230mm

Cable reel Ex is suitable for zones 1 and 2. The cable reel is made of hard butyl rubber, material which ensures high mechanical load capacity. Furthermore, the cable reel is resistant to oils and acids.

The use of cable reel Ex in explosion group IIC is only permitted if the cable is first connected or the cable reel is standing on a conductive base or conductive and earthed base.

CODE	VOLTAGE (V)	CURRENT (A)	WEIGHT (Kg)	EQUIPMENT
07.04.01.24.05.00000	400	16	13	INPUT: 30M CABLE 5G2,5MM <sup>2</sup> , CEE PLUG 5X16A/400V OUTPUT: 1 CEE BUILT-IN SOCKET 5X16A/400V.
07.04.01.24.05.00001	230	16	18	INPUT: 35M CABLE 3G2,5MM <sup>2</sup> , CEE PLUG 3X16A/230V OUTPUT: 1 CEE BUILT-IN SOCKET 3X16A/230V.



Measuring the carbon monoxide,  
Hydrogen sulphide or oxygen  
Useful life of 2 years  
Recording up to 60 events  
2-year warranty  
**Standards:** IEC 60079-29-2

CODE	GAS	MEASURING RANGE	ALARM THRESHOLD	RESOLUTION	RESPONSE TIME
09.01.00.31.00.00000	CO	0 - 500 PPM	36/60 PPM	1 PPM	15 SEC
09.01.00.31.00.00002	CO	0 - 500 PPM	ON CUSTOMER'S REQUEST	1 PPM	15 SEC
09.01.00.31.00.00003	H <sub>2</sub> S	0 - 100 PPM	5/10 PPM	0.1 PPM	15 SEC
09.01.00.31.00.00004	H <sub>2</sub> S	0 - 100 PPM	ON CUSTOMER'S REQUEST	0.1 PPM	15 SEC
09.01.00.31.00.00005	O <sub>2</sub>	0 - 25% IN VOL.	19/23% IN VOL.	0.1% IN VOL.	10 SEC
09.01.00.31.00.00006	O <sub>2</sub>	0 - 25% IN VOL.	ON CUSTOMER'S REQUEST	0.1% IN VOL.	10 SEC

Measures the carbon dioxide , sulfur dioxide , chlorine , hydrogen cyanide , ammonia , nitrogen dioxide , nitric oxide , the phosphine or organic vapors  
Optional 5 year warranty \* for devices H2S , O2 and CO  
Data logger for storage of gas concentrations and events with date and time (120 hours at 1 minute recording)  
Configurable alarms TWA and STEL  
Recording the maximum concentrations  
Automatic function test option  
**Standards:** IEC 60079-29-2

CODE	GAS	MEASURING RANGE	ALARM THRESHOLD	RESOLUTION	RESPONSE TIME
09.01.00.31.00.00007	H2S	0 - 100 PPM	5/10 PPM	1 PPM	15 SEC
09.01.00.31.00.00008	H2S	0 -100 PPM	10/20 PPM	1 PPM	15 SEC
09.01.00.31.00.00009	H2S	0 - 100 PPM	ON CUSTOMER'S REQUEST	1 PPM	15 SEC
09.01.00.31.00.00010	H2S	0 - 100 PPM	ON CUSTOMER'S REQUEST	0.1 PPM	15 SEC
09.01.00.31.00.00011	O2	0 - 25% IN VOL.	19/23% IN VOL.	0.1% IN VOL.	10 SEC
09.01.00.31.00.00012	O2	0 - 25% IN VOL.	19,5 /23,5 % IN VOL.	0.1% IN VOL.	10 SEC
09.01.00.31.00.00013	O2	0 - 25% IN VOL.	ON CUSTOMER'S REQUEST	0.1% IN VOL.	10 SEC
09.01.00.31.00.00014	CO	0 - 1999 PPM	30 / 60 PPM	1 PPM	15 SEC
09.01.00.31.00.00015	CO	0 - 199 PPM	35/ 50 PPM	1 PPM	15 SEC
09.01.00.31.00.00016	Cl2	0 - 20 PPM	ON CUSTOMER'S REQUEST	0.05 PPM	30 SEC
09.01.00.31.00.00017	HCN	0 - 50 PPM	ON CUSTOMER'S REQUEST	0.1 PPM	15 SEC



No limit to the useful life of the device  
 Maintenance : easy replacement of batteries and sensors ,  
 protective filters from dust and replaceable water  
 Estimated useful life of the sensors 5 - 8 years  
**Standards:** IEC 60079-29-2

CODE	GAS	MEASURING RANGE	ALARM THRESHOLD	RESOLUTION	RESPONSE TIME
09.01.00.31.00.00018	CO	0 - 500 PPM	36/60 PPM	1 PPM	15 SEC
09.01.00.31.00.00019	CO	0 - 500 PPM	ON CUSTOMER'S REQUEST	1 PPM	15 SEC
09.01.00.31.00.00020	H2S	0 - 100 PPM	5/10 PPM	0.1 PPM	15 SEC
09.01.00.31.00.00021	H2S	0 - 100 PPM	ON CUSTOMER'S REQUEST	0.1 PPM	15 SEC
09.01.00.31.00.00022	O2	0 - 25% IN VOL.	19/23% IN VOL.	0.1% IN VOL.	10 SEC
09.01.00.31.00.00023	O2	0 - 25% IN VOL.	ON CUSTOMER'S REQUEST	0.1% IN VOL.	10 SEC

Operation with a single button .  
 Try the simple answer , stating for 24 hours .  
 powerful vibrating alarm , audible and LED ultraluminosivibili .  
 Triple alarm system.  
 Audible alarm, visual and vibration.  
 Data logging as standard.  
 IP67 protection.  
 Sensors 20 , quick-response series .  
 Easy to read display shows the gas concentration .  
 Sensors and replaceable battery.  
 Available different types of clips.

CODE	GAS	ALARM THRESHOLD
09.01.00.31.00.00024	CO	25/100PPM
09.01.00.31.00.00025	H2S	10/15PPM
09.01.00.31.00.00026	O2	19,5/23 VOL %
09.01.00.31.00.00027	C12	0,5/1 PPM
09.01.00.31.00.00028	ClO2	0,1/0,3 PPM
09.01.00.31.00.00029	CO	30/60PPM
09.01.00.31.00.00030	CO	35/100PPM
09.01.00.31.00.00031	CO	35/400PPM
09.01.00.31.00.00032	CO	50/200PPM
09.01.00.31.00.00033	CO	100/300 PPM
09.01.00.31.00.00034	FIRE CO	25/100 PPM
09.01.00.31.00.00035	STEEL CO	75/200 PPM
09.01.00.31.00.00036	H2S	5/10 PPM
09.01.00.31.00.00037	H2S	7/14 PPM
09.01.00.31.00.00038	H2S	8/12 PPM
09.01.00.31.00.00039	H2S	10/20 PPM
09.01.00.31.00.00040	HCN	4,7/10 PPM
09.01.00.31.00.00041	NH3	25/50 PPM
09.01.00.31.00.00042	NO2	2/5 PPM
09.01.00.31.00.00043	PH3	0,3/1 PPM
09.01.00.31.00.00044	SO2	2/5 PPM



Sensor options for CO, H2S, and O2  
 Robust, easy to grip design  
 Easy to read display  
 Simple bump check with checkmark for 24 hours  
 Audible alarm of 95 dB at 30 cm  
 Strong vibrating alarm  
 Highly visible LEDs

CODE	GAS	ALARM THRESHOLD
09.01.00.31.00.00045	CO	30/60 ppm
09.01.00.31.00.00046	CO	35/100 PPM
09.01.00.31.00.00047	CO	35/400 PPM
09.01.00.31.00.00048	CO	50/200 PPM
09.01.00.31.00.00049	CO	100/300 PPM
09.01.00.31.00.00050	H2O	10/20 PPM
09.01.00.31.00.00051	H2O	5/10 PPM
09.01.00.31.00.00052	H2O	8/12 PPM
09.01.00.31.00.00053	H2O	7/14 PPM
09.01.00.31.00.00054	O2	19,5/18 VOL%
09.01.00.31.00.00055	H2S	10/15 PPM
09.01.00.31.00.00056	CO	25/100 PPM
09.01.00.31.00.00057	O2	19,5/23 VOL%

Test device



Fast and easy bump tests  
 Checks visual, audible and vibrating alarms  
 LEDs for tests in progress and pass/fail status  
 Easy-to-see LEDs give simple-to-understand test results  
 Maintenance free  
 Total testing time less than 30 seconds  
 Station is available for all detector versions  
**Standards:** EN 61000-6-2, EN 61000-6-3

CODE	GAS
09.04.00.31.01.00000	O2, CO, H2S, SO2, NO2 - MANUAL
09.04.00.31.01.00001	NH3 - MANUAL
09.04.00.31.01.00002	HCN - MANUAL
09.04.00.31.01.00003	CL2, CLO2 - MANUAL
09.04.00.31.01.00004	O2, CO, H2S, SO2, NO2 - AUTOMATIC
09.04.00.31.01.00005	NH3 - AUTOMATIC
09.04.00.31.01.00006	CL2, CLO2 - AUTOMATIC





Dependable multigas detector tests for LEL, oxygen, carbon monoxide, nitrogen sulfide, sulfur dioxide and nitrogen dioxide  
 Economical construction saves users more than 50% on calibration gas, replacement sensors and maintenance  
 Four-year sensor life means detector lasts 60% longer than the industry average  
 Unit uses 50% less calibration gas per minute than the average detectors within the industry  
 Two-tox CO/H2S sensor removes practically all cross-channel interference  
 Large buttons and high-contrast screen make operation easy in low-light conditions  
 Ribbed rubber housing provides secure grip and high durability  
 Unit features 95+ db alarm and ultra-bright LEDs  
 Exclusive end-of-sensor warning cautions user when unit's sensor needs to be changed  
 MotionAlert option tells others that user has become immobile  
 InstantAlert provides manual alarm to alert others of a dangerous situation

**Approvals:**

USA: CSA Class I, Division 1, Groups A, B, C & D ETL Class II, Division 1, Groups E, F & G/ Class III, Division 1

Europe: Directive 94/9/EC (ATEX): II 1G Ex ia IIC T4 (Zona 0 senza il sensore di esplosività installato)

II 2G Ex ia d IIC T4 (Zona 1 con il sensore di esplosività installato) CE 0080

USA, Canadian Approvals

CSA - 120628\_CSA\_2008234\_2536585

ETL - 120813\_ETL\_ATM\_100091976CRT-001

European Union

Russia (Gost R) - 101025\_GOST\_05.B03245

EAC (Russia, Belorussia, Kazakhstan) - 131114\_EAC\_Altair4X\_EM\_C\_RU

Kazakhstan - 100223\_Emercom\_kz

Kazakhstan Metrology - 130318 KazinMetr kz Altair4X ME Rus

CODE	GAS
09.02.00.31.01.00000	LEL, O2, CO, H2S
09.02.00.31.01.00001	LEL, O2, CO
09.02.00.31.01.00002	LEL, O2
09.02.00.31.01.00003	LEL, O2, CO, H2S FLUORESCENT
09.02.00.31.01.00004	LEL, O2, CO FLUORESCENT
09.02.00.31.01.00005	LEL, O2 FLUORESCENT



Detects combustible gases in LEL and/or volume percentage range, oxygen, carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, ammonia, chlorine, VOCs, and many others depending upon sensor configuration.

Rugged overmolded polycarbonate housing provides unsurpassed durability, including ability to survive 10-ft. (3m) drop; IP65-certified.

Field-proven integral pump provides consistent gas flow, eliminating concerns of externally-attached components.

High performance XCell Sensors last longer:

Typical life greater than 4 years for combustible, O<sub>2</sub>, CO/H<sub>2</sub>S, SO<sub>2</sub>, CO/NO<sub>2</sub> and CO (high concentration) sensors.

Typical life greater than 3 years for NH<sub>3</sub> and Cl<sub>2</sub> sensors.

Most sensor response and clear times <15 seconds.

Less calibration gas used: Requires about half of test gas typically used for calibration and bump tests.

Rapid bump test gives results in less than 10 seconds for most common sensor configurations.

Span calibration time of 60 seconds for most common sensor configurations.

MotionAlert feature option tells others that user has become immobile.

InstantAlert feature provides manual alarm to alert others as to a potentially hazardous situation.

PID option allows for accurate, reliable VOC response with programmable reference factors.

Large buttons and bright display provide easy operation, even when users wear gloves.

Exclusive end-of-sensor warning cautions users when unit's sensor nears end-of-life.

Versatile MSA Link™ Software allows users to transmit data to a computer.

Wireless bluetooth included standard.

**ATEX**

II 1G Ex ia IIC T4, -40°C to +60°C, IP67 (Zone 0 with no Combustible sensor installed)

II 2G Ex ia d IIC T4, -40°C to +60°C, IP67 (Zone 1 with Combustible sensor installed)

IEC: Ex ia IIC T4, -40°C to +60°C (Zone 0 with no Combustible sensor installed)

Ex ia d IIC T4, -40°C to +60°C (Zone 1 with Combustible sensor installed)

CODE	GAS
09.02.00.31.01.00005	LEL (PEN), O <sub>2</sub> , CO, H <sub>2</sub> S] MONOCHROME
09.02.00.31.01.00006	LEL (CH <sub>4</sub> ),O <sub>2</sub> ,CO,H <sub>2</sub> S,0-10% CO <sub>2</sub> ] COLOUR
09.02.00.31.01.00007	LEL (PEN), O <sub>2</sub> , CO, H <sub>2</sub> S] COLOUR
09.02.00.31.01.00008	LEL (PEN), O <sub>2</sub> , CO, H <sub>2</sub> S, 0-10% CO <sub>2</sub> ] COLOUR
09.02.00.31.01.00009	[LEL (PEN) CO,H <sub>2</sub> S,0-10% CO <sub>2</sub> , GLOW IN THE DARK] COLOUR
09.02.00.31.01.00010	COLOR,LEL,CO,H <sub>2</sub> S,2KPID,ATEX
09.02.00.31.01.00011	COLOR,LEL,CO,H <sub>2</sub> S-LC,2KPID,ATEX
09.02.00.31.01.00012	COLOR,2KPID,ATEX



**Protection Mode:**

for Europe: I M2/II 2G, Ex ib I Mb / Ex ib IIC T4 Gb

for Australia: Ex ib IIC T4 Gb

for USA and Canada: Class I, Div.2, Groups A,B,C,D, Class I, Zone 1, Ex ib IIC T4

**Approvals:**

IEC 60079-0:2007 / IEC 60079-11:2006

EN 60079-0: 2009 / EN 60079-11:2007

ANSI/ISA 12.12.01 / CAN/CSA E60079-0

CAN/CSA E60079-11

**Display:** LCD da 9 cm

Protection Cover: Rubber material EPDM

Carrying loops: High-temperature resistant material

Housing material: High-temperature resistant lastic

Protection class: IP 67

**Type of sensor:** a.Si Microbolometer array

Resolution: 384 x 288 pixel

IR spectral: 7 to 14 um

Temperature sensitivity: Typically 0.035°C

Picture frequency: 50 HZ

**Fosus:** 1 m to infinity

Field of view: Horizontal 57° / vertical: 41°

/ Diagonal: 74°

**Temperature Measurement:** Digital

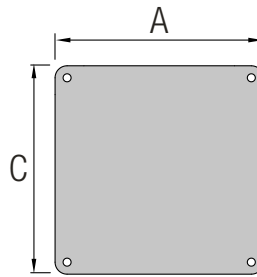
temperature display -40°C ....1,000°C

Operating temperature: 40° C to 85°C

Battery: rechargeable lithium ion batteries

CODE	DIMENSIONS	WEIGHT
09.03.00.31.08.00000	125 x 280 x 110	1.4 kg (3 lib.) incl. battery





**Protection degree:** Waterproof IP66

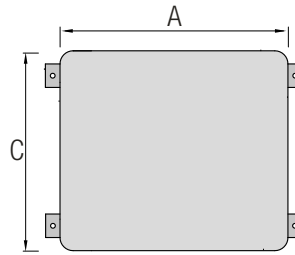
**Ambient temperature:** -55°C / +60°C

**Applicable standards:**

EN 60079-0, EN 60079-7,  
EN 60079-11, EN 60079-31

**Material:** GRP Black Ral 9005

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT (Kg)
JBP-ST 08 08 06	75 x 80 x 55	0,24
JBP-ST 08 08 08	75 x 80 x 75	0,33
JBP-ST 08 11 06	75 x 110 x 55	0,33
JBP-ST 08 11 08	75 x 110 x 75	0,4
JBP-ST 08 16 06	75 x 160 x 55	0,45
JBP-ST 08 16 08	75 x 160 x 75	0,8
JBP-ST 08 19 06	75 x 190 x 55	1
JBP-ST 08 19 08	75 x 190 x 75	1,24
JBP-ST 08 23 06	75 x 230 x 55	1,7
JBP-ST 08 23 08	75 x 230 x 75	2,2
JBP-ST 12 12 09	120 x 122 x 90	2,3
JBP-ST 12 22 10	120 x 220 x 90	2,7
JBP-ST 16 16 09	160 x 160 x 90	3,2
JBP-ST 16 26 09	160 x 260 x 90	3,7
JBP-ST 16 36 09	160 x 360 x 90	4,6
JBP-ST 16 56 09	160 x 560 x 90	5,7
JBP-ST 25 26 12	250 x 255 x 120	6,5
JBP-ST 25 26 16	250 x 255 x 160	5,2
JBP-ST 25 40 12	250 x 255 x 120	
JBP-ST 25 40 16	250 x 255 x 160	
JBP-ST 25 60 12	250 x 600 x 120	
JBP-ST 36 36 09	360 x 360 x 90	
JBP-ST 41 40 12	405 x 400 x 120	
JBP-ST 41 40 16	405 x 400 x 160	
JBP-ST 41 40 20	405 x 400 x 200	



**Protection degree:** Waterproof IP66

**Ambient temperature:** -60°C / +85°C

**Applicable standards:**

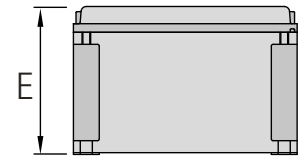
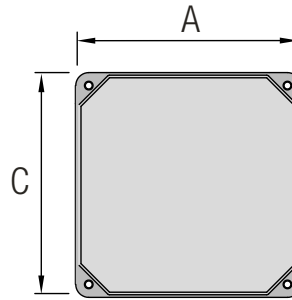
EN 60079-0, EN 60079-7,  
EN 60079-11, EN 60079-31

**Material:** AISI 316L

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT(Kg)
JBXN-ST 23 18 10	220 x 160 x 150	4
JBXN-ST 23 18 15	220 x 220 x 150	4.5
JBXN-ST 23 23 10	330 x 220 x 150	5.5
JBXN-ST 23 23 15	330 x 330 x 150	7.5
JBXN-ST 34 23 10	400 x 400 x 150	8.5
JBXN-ST 34 23 15	440 x 220 x 150	7
JBXN-ST 34 34 10	440 x 330 x 150	9
JBXN-ST 34 34 15	490 x 360 x 150	9.6
JBXN-ST 41 41 10	500 x 400 x 150	12
JBXN-ST 41 41 15	520 x 420 x 150	12.5
JBXN-ST 45 23 10	600 x 200 x 150	7.5
JBXN-ST 45 23 15	630 x 480 x 150	16.5
JBXN-ST 45 34 10	740 x 400 x 150	17
JBXN-ST 45 34 15	220 x 160 x 200	4.1
JBXN-ST 50 38 10	220 x 220 x 200	4.6
JBXN-ST 50 38 15	330 x 220 x 200	5.6
JBXN-ST 51 41 10	330 x 330 x 200	7.6
JBXN-ST 51 41 15	400 x 400 x 200	8.6
JBXN-ST 53 43 10	440 x 220 x 200	7.2
JBXN-ST 53 43 15	440 x 330 x 200	9.2
JBXN-ST 61 21 10	490 x 360 x 200	9.8
JBXN-ST 61 21 15	500 x 400 x 200	12.5
JBXN-ST 64 49 10	520 x 420 x 200	12.8
JBXN-ST 64 49 15	600 x 200 x 200	8
JBXN-ST 75 41 10	630 x 480 x 200	17
JBXN-ST 75 41 15	740 x 400 x 200	17.5

**Note:**

Type with flanged walls available



**Protection degree:** Waterproof IP66

**Ambient temperature:** -55°C / +60°C

**Applicable standards:**  
EN 60079-0, EN 60079-7,  
EN 60079-11, EN 60079-31

**Material:** Copper free aluminium die cast

**External coating:** RAL 7001

CODE	DIMENSIONS (mm) (A x C x E)	WEIGHT (Kg)
JBAL-ST 06 06 03	64 x 58 x 34	0.16
JBAL-ST 06 10 03	64 x 98 x 34	0.22
JBAL-ST 06 15 03	64 x 150 x 34	0.36
JBAL-ST 08 08 06	80 x 75 x 57	0.3
JBAL-ST 08 13 06	80 x 125 x 57	0.38
JBAL-ST 08 18 06	80 x 175 x 57	0.55
JBAL-ST 08 25 05	80 x 250 x 52	0.74
JBAL-ST 10 10 08	100 x 100 x 81	0.64
JBAL-ST 10 16 08	100 x 160 x 81	0.84
JBAL-ST 10 20 08	100 x 200 x 81	0.98
JBAL-ST 12 12 08	120 x 122 x 81	0.96
JBAL-ST 12 12 09	120 x 122 x 91	0.98
JBAL-ST 12 22 08	120 x 220 x 81	1.4
JBAL-ST 12 22 09	120 x 220 x 91	1.5
JBAL-ST 12 36 08	120 x 360 x 81	1.98
JBAL-ST 14 14 09	140 x 140 x 91	1.52
JBAL-ST 14 20 09	140 x 200 x 91	2.27
JBAL-ST 16 16 09	160 x 160 x 91	1.5
JBAL-ST 16 26 09	160 x 260 x 91	2
JBAL-ST 16 36 09	160 x 360 x 91	2.54
JBAL-ST 16 56 09	160 x 560 x 91	3.76
JBAL-ST 18 18 10	180 x 180 x 101	2.27
JBAL-ST 18 28 10	180 x 280 x 101	2.92
JBAL-ST 23 10 11	230 x 100 x 111	1.8
JBAL-ST 23 28 11	230 x 280 x 111	3
JBAL-ST 23 33 11	230 x 330 x 111	3.4
JBAL-ST 23 33 18	230 x 330 x 181	5.26
JBAL-ST 23 40 11	230 x 400 x 111	3.84
JBAL-ST 23 40 23	230 x 400 x 225	6.48
JBAL-ST 23 60 11	230 x 600 x 111	6.95
JBAL-ST 23 20 11	232 x 202 x 111	2.44
JBAL-ST 23 20 18	232 x 202 x 181	3.98
JBAL-ST 31 60 11	310 x 600 x 111	8.66
JBAL-ST 31 60 18	310 x 600 x 181	11.1
JBAL-ST 31 40 14	312 x 403 x 141	6.72
JBAL-ST 31 40 11	313 x 404 x 111	5.3
JBAL-ST 31 40 18	313 x 404 x 181	8.5
JBAL-ST 31 40 23	313 x 404 x 227	8.68
JBAL-ST 60 60 20	600 x 600 x 202	25.96

Atex srl switchboard panels comply with international standards and are made according to customer specifications. All products comply with international and CEI standards.

Switchboard solution are made our internal technical department, in compliance with requisition of project.

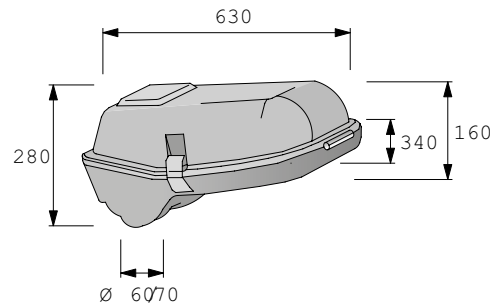
**Services provided:**

- Planning
- Wiring
- Test
- Packing and shipment
- Technical documentation

**Protection degree:** IP55 - IP65 - IP66







Body in thermo-plastic material, grey colour.

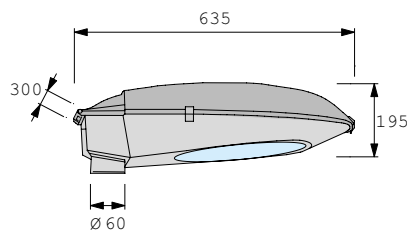
Adjusting holder in die-cast aluminium.

Flat transparent glass diffuser, 5 mm thick, tempered, heat-proof and crash-proof.

Silicone gaskets. Reflector in pure aluminium 99.8%, 0.8 mm thick, with anodized and polished surface. Cut-off optic. Outside bolts and screws in inox steel. This streetlight can be installed on either horizontal or vertical poles, with diameter Ø 76mm to Ø 60mm. Goniometer for inclination adjustment: it can be oriented from -5° to +15° on vertical pole and from -15° to +15° on horizontal pole. Routine and unscheduled maintenance are easier, thanks to the 3 clips opening system of the upper body. Opening rotation of the upper body is on the road side. Supporting tray for electrical control gear removable and equipped with fast connectors, is in thermoplastic material. Pre-adjustment for darkness sensor. Streetlight available in insulation class II.

**Protection degree:** IP65.

CODE	POWER (W)	CONNECTION	LAMP	WEIGHT (Kg)
04.02.02.02.00000200	70	E27	SE	9,0
04.02.02.02.00000201	70	E27	ME	9,0
04.02.02.02.00000202	80	E27	QE	9,4
04.02.02.02.00000203	100	E40	ST	9,4
04.02.02.02.00000204	125	E27	QE	9,4
04.02.02.02.00000205	150	E40	ST	9,4
04.02.02.02.00000206	150	E27	ME	9,4
04.02.02.02.00000207	250	E40	ST	9,4
04.02.02.02.00000208	250	E40	MT	9,4
04.02.02.02.00000209	250	E40	QE	9,4



Body in die casting of aluminium, painted with RAL

7035 epoxy powders, blank previously phosphochrome plated.

Reflector made of pure anodised and printed aluminium.

Diffuser made of fl at tempered glass (5 mm thick).

Silicone gaskets are placed on glass and on the accessories box.

Suitable for poles installation Ø 60 mm.

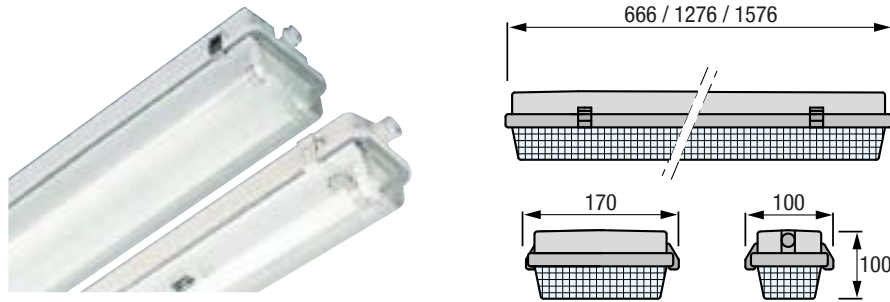
Adjustable inclination with the rotating system in pressure die casting aluminium.

External screws and clock work made of stainless steel. Lamp holder E40 made of ceramic, it is placed in a removable aluminium glass, it can be opened withturn without the usage of tools.

Power supply placed in a glass-nylon plate for Class II and in galvanized iron for Class I.

**Protection degree:** IP54.

CODE	POWER (W)	CONNECTION	LAMP	WEIGHT (Kg)
04.02.02.02.00000500	100	E40	ST	9,5
04.02.02.02.00000501	150	E40	ST	9,5
04.02.02.02.00000502	250	E40	ST	10,5
04.02.02.02.00000503	100	E40	ME	9,5
04.02.02.02.00000504	150	E40	ME	9,5
04.02.02.02.00000505	250	E40	ME	10,5
04.02.02.02.00000506	250	E40	QE	10,5



Base body in polyester resin reinforced with fibre glass in light grey colour with seal gasket in polyuretanic resin. Diffuser in transparent self extinguishing acrylic material injection printed with inner prismatizing. Hooks made of plastic or on request stainless steel. Reflector in steel sheet oven painted with epoxy polyester powders, with advance phosphatazing, in white colour, used for the connections support fixed to the body through to keys in selfextinguishing material and equipped with: security nylon ropes (loosing the two keys the reflector will be unhooked remaining hanged to the body), one cable-gland PG13,5 complete with nut and seal and two hanging rings.

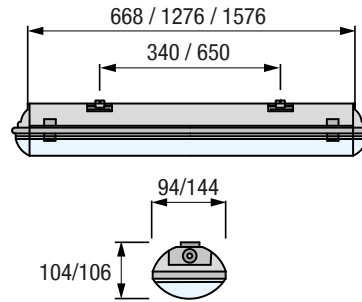
**Protection degree:** IP65.

CODE	MAGNETIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.07.01.00000100	1 x 18	G13	FLU
04.01.07.01.00000101	2 x 18	G13	FLU
04.01.07.01.00000102	1 x 36	G13	FLU
04.01.07.01.00000103	2 x 36	G13	FLU
04.01.07.01.00000104	1 x 58	G13	FLU
04.01.07.01.00000105	2 x 58	G13	FLU

CODE	ELECTRONIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.07.01.00000106	1 x 18	G13	FLU
04.01.07.01.00000107	2 x 18	G13	FLU
04.01.07.01.00000108	1 x 36	G13	FLU
04.01.07.01.00000109	2 x 36	G13	FLU
04.01.07.01.00000110	1 x 58	G13	FLU
04.01.07.01.00000111	2 x 58	G13	FLU

CODE	MAGNETIC BALLAST + EMERGENCY KIT 1H		
	POWER (W)	CONNECTION	LAMP
04.01.07.01.00000112	1 x 36	G13	FLU
04.01.07.01.00000113	2 x 36	G13	FLU
04.01.07.01.00000114	1 x 58	G13	FLU
04.01.07.01.00000115	2 x 58	G13	FLU

CODE	MAGNETIC BALLAST + EMERGENCY KIT 3H		
	POWER (W)	CONNECTION	LAMP
04.01.07.01.00000117	1 x 36	G13	FLU
04.01.07.01.00000118	2 x 36	G13	FLU
04.01.07.01.00000119	1 x 58	G13	FLU
04.01.07.01.00000120	2 x 58	G13	FLU



Base made of polycarbonate with colour grey RAL 7035. Diffuser made of polycarbonate.  
Removable grey tray white colour. Stainless steel clips. Cable gland PG13,5 Resistant to impact up to IK07. Suitable with electronic ballast and emergency versions.

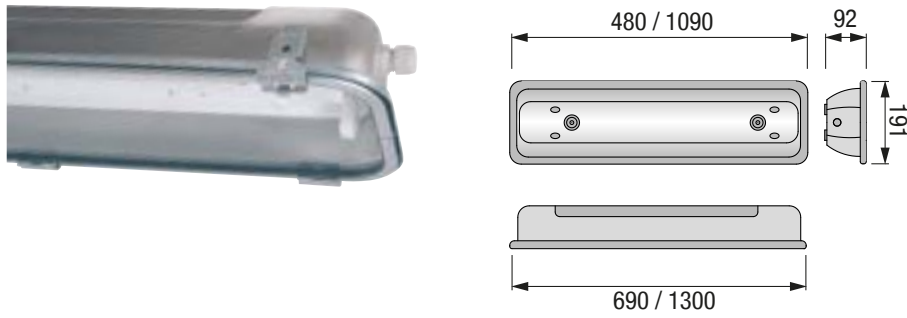
**Protection degree:** IP65.

CODE	MAGNETIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.01.01.00000200	1 x 18	G13	FLU
04.01.01.01.00000201	1 x 36	G13	FLU
04.01.01.01.00000202	1 x 58	G13	FLU
04.01.01.01.00000203	2 x 36	G13	FLU
04.01.01.01.00000204	2 x 58	G13	FLU

CODE	ELECTRONIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.01.01.00000205	1 x 18	G13	FLU
04.01.01.01.00000206	1 x 36	G13	FLU
04.01.01.01.00000207	1 x 58	G13	FLU
04.01.01.01.00000208	2 x 36	G13	FLU
04.01.01.01.00000209	2 x 58	G13	FLU

CODE	MAGNETIC BALLAST + EMERGENCY KIT 1H		
	POWER (W)	CONNECTION	LAMP
04.01.01.01.00000210	1 x 36	G13	FLU
04.01.01.01.00000211	1 x 58	G13	FLU
04.01.01.01.00000212	2 x 36	G13	FLU
04.01.01.01.00000213	2 x 58	G13	FLU

CODE	MAGNETIC BALLAST + EMERGENCY KIT 3H		
	POWER (W)	CONNECTION	LAMP
04.01.01.01.00000310	1 x 36	G13	FLU
04.01.01.01.00000311	1 x 58	G13	FLU
04.01.01.01.00000312	2 x 36	G13	FLU
04.01.01.01.00000313	2 x 58	G13	FLU



Stainless steel AISI 304 fixture.

Temperate glass diffuser with mechanical protection IK-10. White painted galvanised steel reflector. Versions with electromagnetic power supply with p.f. correction capacitor.

Emergency versions with permanent wiring, Ni-Cd battery, inverter, 1H autonomy, 24h recharge with possibility of inhibition.

Lamp-holder G13. Cable gland PG13,5 polyamide.

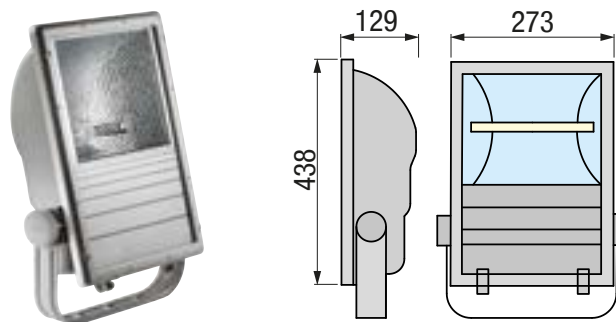
Accessories for pendant installation, on pole, on wall or ceiling.

**Protection degree:** IP65.

CODE	MAGNETIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.06.11.00000800	1 x 18	G13	FLU
04.01.06.11.00000801	2 x 18	G13	FLU
04.01.06.11.00000802	1 x 36	G13	FLU
04.01.06.11.00000803	2 x 36	G13	FLU

CODE	ELECTRONIC BALLAST		
	POWER (W)	CONNECTION	LAMP
04.01.06.11.00000804	1 x 18	G13	FLU
04.01.06.11.00000805	2 x 18	G13	FLU
04.01.06.11.00000806	1 x 36	G13	FLU
04.01.06.11.00000807	2 x 36	G13	FLU

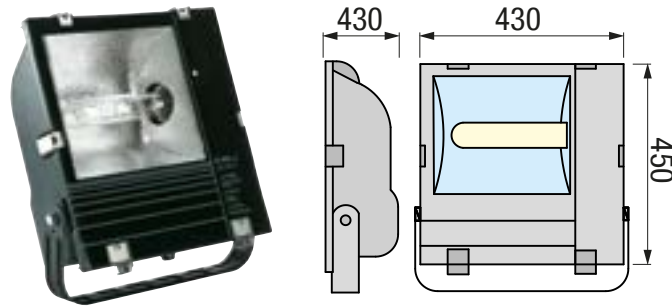
CODE	MAGNETIC BALLAST + EMERGENCY KIT		
	POWER (W)	CONNECTION	LAMP
04.01.06.11.00000808	1 x 36	G13	FLU
04.01.06.11.00000809	2 x 36	G13	FLU



Die-cast aluminium body with wide cooling fins.  
 Die-cast aluminium rim. Steel support bracket.  
 Polyester powder paint resistant to corrosion, atmospheric conditions and salt spray fog.  
 Anode polished and oxidated 99,85 planished aluminum reflector symmetric and asymmetric flux  
 Thermal-shock resistant tempered glass diffuser.  
 Corrected wiring on removable zinc-plated steel plate. PG 13,5 cable gland.  
 Stainless steel external screws. It complies with the EN 60598-1 and EN 60598-2-5 Standards.  
**Protection degree:** IP65.

CODE	SYMMETRIC REFLECTOR			
	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00001000	70	RX7s	MD	5,3
04.04.10.02.00001001	150	RX7s	MD	6
04.04.10.02.00001002	70	E27	ST	5,3
04.04.10.02.00001003	150	RX7s	SD	5,3
04.04.10.02.00001004	250	FC2	SD	6,9

CODE	ASYMMETRIC REFLECTOR			
	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00001005	70	RX7s	MD	5,3
04.04.10.02.00001006	150	RX7s	MD	6
04.04.10.02.00001007	70	E27	ST	5,3
04.04.10.02.00001008	150	RX7s	SD	5,3
04.04.10.02.00001009	250	FC2	SD	6,9



Die-cast aluminium body with wide cooling fins.

Steel support bracket. Polyester powder paint resistant to corrosion, atmospheric conditions and salt spray fog. Anode polished and oxidized 99,85% polished aluminium reflector symmetric and asymmetric flux.

Thermal-shock resistant tempered glass diffuser.

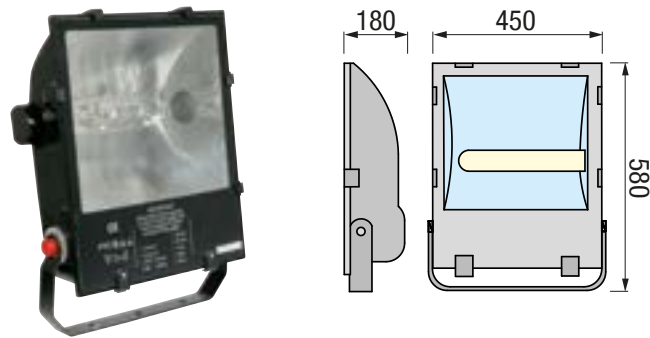
Corrected wiring on removable zinc-plated steel plate. Glass closing stainless steel catches.

PG 13,5 cable gland. Stainless steel external screws. It complies with the EN 60598-1 and EN 60598-2-5 Standards.

**Protection degree:** IP66.

CODE	SYMMETRIC REFLECTOR			
	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00002000	250	E40	MT	8,65
04.04.10.02.00002001	400	E40	MT	10,8
04.04.10.02.00002002	250	E40	ST	8,6
04.04.10.02.00002003	400	E40	ST	11,1

CODE	ASYMMETRIC REFLECTOR			
	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00002004	250	E40	MT	8,65
04.04.10.02.00002005	400	E40	MT	10,8
04.04.10.02.00002006	250	E40	ST	8,6
04.04.10.02.00002007	400	E40	ST	11,1



Body in aluminium die cast: painted with epoxy powders of black color after phospho chromatising of the blank, resistant to corrosin atmospheric factors.

**Protection degree:** IP 65.

Mounting bracket in steel, with goniometric setting system of inclination. Symmetric, asymmetric reflector in hammered, polished and anodised aluminium 99,80%. Tempered closing glass thickness 5 mm, crash and thermal shock resistant, linked to the body through hooks in extruded aluminium plated of the color of the body and with black zip in galvanised steel. Holding gaskets stuck with silicon, to assure the best water-proof holding. External screw in stainless steel. Including cable gland PG 13,5.

Lamp holder in ceramic E40.

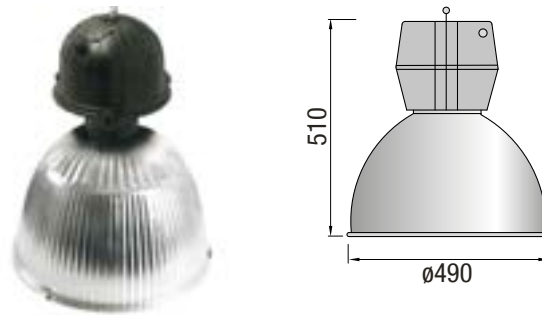
Control gear included in the floodlight.

**Protection degree:** IP66.

CODE	SYMMETRIC REFLECTOR				
	POWER (W)	CURRENT (A)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00008000	600	6,2	E40	ST	20
04.04.10.02.00008001	1000	10,3	E40	ST	20
04.04.10.02.00008002	1000	9,5	E40	MT	20

CODE	ASYMMETRIC REFLECTOR				
	POWER (W)	CURRENT (A)	CONNECTION	LAMP	WEIGHT (KG)
04.04.10.02.00008003	600	6,2	E40	ST	20
04.04.10.02.00008004	1000	10,3	E40	ST	20
04.04.10.02.00008005	1000	9,5	E40	MT	20





Body and cover in die casted aluminium equipped of steel safety chains.

External screws in stainless steel, hanging hook in galvanized steel complete with sliding bar for the floodlight balancing.

Painted in polyester powders.

Diffuser in temperate glass (th.4mm) resistant to thermal shocks, fixed on the floodlights with blocking clips in nicheled steel and silicon rubber gasket.

The diffuser is hanged to the fitting body through galvanized steel external chain.

Reflector shaped in aluminium 99,8% oxidated and anodically polished for an high lighting rendering. Wide beams.

Connection holder plates inside the heads with electrical parts.

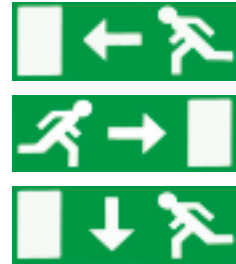
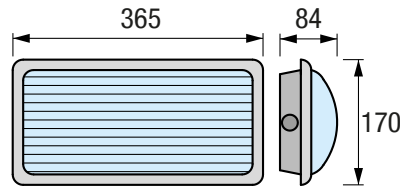
Lamp holder in ceramic E40.

Cable holder PG11 for three poles cable sect.

1,5 mm (Ø 8/10 MAX).

**Protection degree:** IP65.

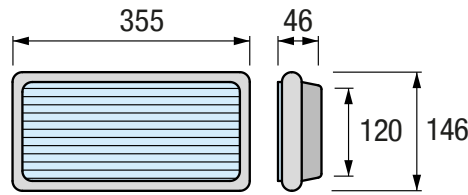
CODE	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.05.10.09.00003000	250	E40	ME	9,7
04.05.10.09.00003001	400	E40	ME	10,6
04.05.10.09.00003002	250	E40	ST	9,7
04.05.10.09.00003003	400	E40	ST	10,6
04.05.10.09.00003004	250	E40	QE	8,7
04.05.10.09.00003005	400	E40	QE	10,2



Lighting fittings with body made of techno polymer thermo resistant and anti shock, flame resistant chemical and atmospheric agents.  
 Feeding: 230 V - 50 Hz.  
 Recharge: 12 h. - minimum autonomy 1 h and 3 h.  
 Ni - Cd batteries at high temperature 1,5 Ah (foreseen life batteries: 4 years).  
 Luminous indicator for power presence and correct recharging.  
 Recharging finish protection circuit.  
 Suitable mounting on flammable surfaces.  
 According to EN60598-1 / EN60598-2-22  
 (CEI 340-21 / CEI 34-22).  
**Protection degree:** IP65.

CODE	NON PERMANENT LIGHT			
	POWER (W)	CONNECTION	LAMP	AUTONOMY (H)
04.01.04.01.00000300	18	2G11	PL	1
04.01.04.01.00000301	24	2G11	PL	1
04.01.04.01.00000302	18	2G11	PL	3
04.01.04.01.00000303	24	2G11	PL	3

CODE	PERMANENT LIGHT			
	POWER (W)	CONNECTION	LAMP	WEIGHT (KG)
04.01.04.01.00000304	18	2G11	PL	1
04.01.04.01.00000305	24	2G11	PL	1
04.01.04.01.00000306	18	2G11	PL	3
04.01.04.01.00000307	24	2G11	PL	3

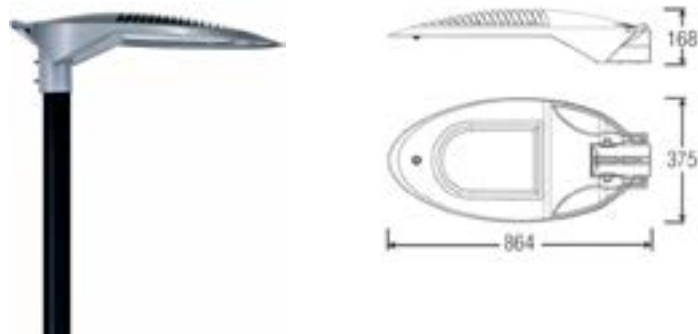


Lighting fittings with body made of techno polymer thermo resistant and anti shock, flame resistant chemical and atmospheric agents.  
 Feeding: 230 V – 50 Hz.  
 Recharge: 12 h. – Autonomy 1 h and 3 h.  
 Ni – Cd batteries at high temperature 1,5 Ah (foreseen life batteries: 4 years).  
 Luminous indicator for power presence and correct recharging.  
 Recharging finish protection circuit.  
 Suitable mounting on flammable surfaces.  
 According to EN60598-1 / EN60598-2-22 (CEI 340-21 / CEI 34-22).

**Protection degree:** IP65.

CODE	NON PERMANENT LIGHT			
	POWER (W)	CONNECTION	LAMP	AUTONOMY (H)
04.01.04.01.00000400	8	G5	FLU	1
04.01.04.01.00000401	11	2G7	PL	1
04.01.04.01.00000402	18	2G11	PL	1
04.01.04.01.00000403	8	G5	FLU	3
04.01.04.01.00000404	11	2G7	PL	3

CODE	PERMANENT LIGHT			
	POWER (W)	CONNECTION	LAMP	AUTONOMY (H)
04.01.04.01.00000405	8	G5	FLU	1
04.01.04.01.00000406	11	2G7	PL	1
04.01.04.01.00000407	18	2G11	PL	1
04.01.04.01.00000408	8	G5	FLU	3
04.01.04.01.00000409	11	2G7	PL	3



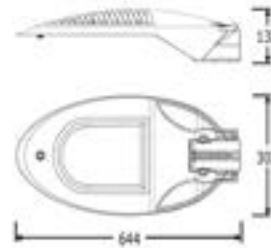
Die cast aluminium body and cover.  
 Painted epoxy resin with high corrosion resistance  
 Tempered flat glass diffuser; 4mm thickness  
 Stainless steel screws and bolt  
 Rapid re-start system  
 Power supply: 220/240 V - 50/60 Hz  
 Multichip optical LED 15/20/24  
 T° color 4000K (standard)  
 Insulation class: II  
 IRC (Ra) > 75  
 Installation on top pole ø60/76mm with aluminium bracket.

**Protection degree:** IP66

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 CEI/EN 60598-2-3  
 EN 62471  
 EN 62031  
 2004/108/CE

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0000	60	350	10395	15 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0001	78	450	13059	15 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0002	87	500	14349	15 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0003	108	600	16854	15 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0004	126	700	19260	15 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0005	80	350	13860	20 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0006	104	450	17412	20 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0007	116	500	19132	20 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0008	144	600	22472	20 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0009	168	700	25680	20 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0010	98	350	15320	24 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0011	128	450	19294	24 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0012	144	500	21214	24 LED MULTICHIP	-20 °C / +45 °C
04.01.06.01.01.0013	174	600	24924	24 LED MULTICHIP	-20 °C / +45 °C

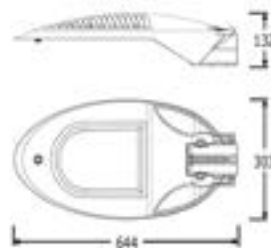


Die cast aluminium body and cover.  
 Painted epoxy resin with high corrosion resistance  
 Tempered flat glass diffuser; 5mm thickness  
 Stainless steel screws and bolt  
 Rapid re-start system  
 Power supply: 220/240 V - 50/60 Hz  
 Multichip optical LED 16/18/20/24/32/36/48/54/60  
 T° color 4000K (standard)  
 Insulation class: II  
 IRC (Ra) > 75  
 Installation on top pole ø60mm with aluminium bracket.  
**Protection degree:** IP66

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 CEI/EN 60598-2-3  
 EN 62471  
 EN 62031  
 2004/108/CE  
 UNI 10819

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0014	16	350	2522	16	-20 °C / +45 °C
04.01.06.01.01.0015	20.5	450	3159	16	-20 °C / +45 °C
04.01.06.01.01.0016	23	500	3465	16	-20 °C / +45 °C
04.01.06.01.01.0017	28	600	4053	16	-20 °C / +45 °C
04.01.06.01.01.0018	33	700	4611	16	-20 °C / +45 °C
04.01.06.01.01.0019	18	350	2837	18	-20 °C / +45 °C
04.01.06.01.01.0020	23	450	3553	18	-20 °C / +45 °C
04.01.06.01.01.0021	25.5	500	3898	18	-20 °C / +45 °C
04.01.06.01.01.0022	31.5	600	4559	18	-20 °C / +45 °C
04.01.06.01.01.0023	37	700	5188	18	-20 °C / +45 °C
04.01.06.01.01.0024	20	350	3152	20	-20 °C / +45 °C
04.01.06.01.01.0025	25.5	450	3949	20	-20 °C / +45 °C
04.01.06.01.01.0026	28.5	500	4331	20	-20 °C / +45 °C
04.01.06.01.01.0027	35	600	5066	20	-20 °C / +45 °C
04.01.06.01.01.0028	41	700	5764	20	-20 °C / +45 °C
04.01.06.01.01.0029	24	350	3783	24	-20 °C / +45 °C
04.01.06.01.01.0030	30.5	450	4738	24	-20 °C / +45 °C
04.01.06.01.01.0031	34.5	500	5197	24	-20 °C / +45 °C
04.01.06.01.01.0032	41.5	600	6079	24	-20 °C / +45 °C
04.01.06.01.01.0033	49	700	6917	24	-20 °C / +45 °C
04.01.06.01.01.0034	32	350	5044	32	-20 °C / +45 °C
04.01.06.01.01.0035	41	450	6318	32	-20 °C / +45 °C
04.01.06.01.01.0036	46	500	6929	32	-20 °C / +45 °C
04.01.06.01.01.0037	55	600	8105	32	-20 °C / +45 °C
04.01.06.01.01.0038	65.5	700	9222	32	-20 °C / +45 °C
04.01.06.01.01.0039	36	350	5674	36	-20 °C / +45 °C
04.01.06.01.01.0040	46	450	7107	36	-20 °C / +45 °C
04.01.06.01.01.0041	51	500	7796	36	-20 °C / +45 °C
04.01.06.01.01.0042	62	600	9119	36	-20 °C / +45 °C
04.01.06.01.01.0043	74	700	10375	36	-20 °C / +45 °C
04.01.06.01.01.0044	48	350	7565	48	-20 °C / +45 °C
04.01.06.01.01.0045	61.5	450	9477	48	-20 °C / +45 °C
04.01.06.01.01.0046	69	500	10394	48	-20 °C / +45 °C
04.01.06.01.01.0047	83.5	600	12158	48	-20 °C / +45 °C
04.01.06.01.01.0048	98.5	700	13833	48	-20 °C / +45 °C
04.01.06.01.01.0049	54	350	8511	54	-20 °C / +45 °C
04.01.06.01.01.0050	69	450	10661	54	-20 °C / +45 °C
04.01.06.01.01.0051	77	500	11693	54	-20 °C / +45 °C
04.01.06.01.01.0052	94	600	13678	54	-20 °C / +45 °C
04.01.06.01.01.0053	60	350	9457	60	-20 °C / +45 °C
04.01.06.01.01.0054	77	450	11846	60	-20 °C / +45 °C
04.01.06.01.01.0055	86	500	12993	60	-20 °C / +45 °C
04.01.06.01.01.0056	104	600	15563	60	-20 °C / +45 °C



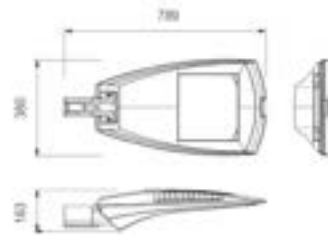
Die cast aluminium body and cover.  
 Painted epoxy resin with high corrosion resistance  
 Tempered flat glass diffuser; 5mm thickness  
 Stainless steel screws and bolt  
 Rapid re-start system  
 Power supply: 220/240 V - 50/60 Hz  
 Multichip optical LED 12  
 T° color 4000K (standard)  
 Insulation class: II  
 IRC (Ra) > 75  
 Installation on top pole ø48mm with aluminium bracket.

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 CEI/EN 60598-2-3  
 EN 62471  
 EN 62031  
 2004/108/CE  
 UNI 10819

**Protection degree:** IP66

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0057	12	350	1891	12	-20 °C / +45 °C
04.01.06.01.01.0058	15.5	450	2369	12	-20 °C / +45 °C
04.01.06.01.01.0059	17	500	2598	12	-20 °C / +45 °C
04.01.06.01.01.0060	21	600	3039	12	-20 °C / +45 °C
04.01.06.01.01.0061	24.5	700	3458	12	-20 °C / +45 °C



Die cast aluminium body and cover.  
 Painted epoxy resin with high corrosion resistance  
 Tempered flat glass diffuser; 4mm thickness  
 Stainless steel screws and bolt  
 Power supply: 220/240 V - 50/60 Hz  
 Multichip optical LED 12/24/32/36/48  
 T° color 4000K (standard)  
 Insulation class: II  
 IRC (Ra) > 75  
 Installation on top pole ø60mm with aluminium bracket.

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 CEI/EN 60598-2-3  
 EN 62471  
 EN 62031  
 2004/108/CE  
 UNI 10819

**Protection degree:** IP66

CODE	SINGLE LED CHIP				
	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0062	12	350	1891	12	-20 °C / +45 °C
04.01.06.01.01.0063	15.5	450	2369	12	-20 °C / +45 °C
04.01.06.01.01.0064	17	500	2598	12	-20 °C / +45 °C
04.01.06.01.01.0065	21	600	3039	12	-20 °C / +45 °C
04.01.06.01.01.0066	24.5	700	3458	12	-20 °C / +45 °C
04.01.06.01.01.0067	24	350	3783	24	-20 °C / +45 °C
04.01.06.01.01.0068	30.5	450	4738	24	-20 °C / +45 °C
04.01.06.01.01.0069	34.5	500	5197	24	-20 °C / +45 °C
04.01.06.01.01.0070	41.5	600	6079	24	-20 °C / +45 °C
04.01.06.01.01.0071	49	700	6917	24	-20 °C / +45 °C
04.01.06.01.01.0072	32	350	5044	32	-20 °C / +45 °C
04.01.06.01.01.0073	41	450	6318	32	-20 °C / +45 °C
04.01.06.01.01.0074	46	500	6929	32	-20 °C / +45 °C
04.01.06.01.01.0075	55	600	8105	32	-20 °C / +45 °C
04.01.06.01.01.0076	65.5	700	9222	32	-20 °C / +45 °C
04.01.06.01.01.0077	36	350	5674	36	-20 °C / +45 °C
04.01.06.01.01.0078	46	450	7107	36	-20 °C / +45 °C
04.01.06.01.01.0079	51	500	7796	36	-20 °C / +45 °C
04.01.06.01.01.0080	62	600	9119	36	-20 °C / +45 °C
04.01.06.01.01.0081	74	700	10375	36	-20 °C / +45 °C
04.01.06.01.01.0082	48	350	7565	48	-20 °C / +45 °C
04.01.06.01.01.0083	61.5	450	9477	48	-20 °C / +45 °C
04.01.06.01.01.0084	69	500	10394	48	-20 °C / +45 °C
04.01.06.01.01.0085	83.5	600	12158	48	-20 °C / +45 °C
04.01.06.01.01.0086	98.5	700	13833	48	-20 °C / +45 °C

CODE	MULTICHIP LED				
	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0087	40	350	6930	10	-20 °C / +45 °C
04.01.06.01.01.0088	52	450	8706	10	-20 °C / +45 °C
04.01.06.01.01.0089	58	500	9566	10	-20 °C / +45 °C
04.01.06.01.01.0090	72	600	11236	10	-20 °C / +45 °C
04.01.06.01.01.0091	84	700	12840	10	-20 °C / +45 °C
04.01.06.01.01.0092	49	350	7660	12	-20 °C / +45 °C
04.01.06.01.01.0093	64	450	9647	12	-20 °C / +45 °C
04.01.06.01.01.0094	72	500	10607	12	-20 °C / +45 °C
04.01.06.01.01.0095	87	600	12462	12	-20 °C / +45 °C
04.01.06.01.01.0096	102	700	14240	12	-20 °C / +45 °C
04.01.06.01.01.0097	60	350	10395	15	-20 °C / +45 °C
04.01.06.01.01.0098	78	450	13059	15	-20 °C / +45 °C
04.01.06.01.01.0099	87	500	14349	15	-20 °C / +45 °C
04.01.06.01.01.0100	108	600	16854	15	-20 °C / +45 °C
04.01.06.01.01.0101	126	700	19260	15	-20 °C / +45 °C
04.01.06.01.01.0102	80	350	13860	20	-20 °C / +45 °C
04.01.06.01.01.0103	104	450	17412	20	-20 °C / +45 °C
04.01.06.01.01.0104	116	500	19132	20	-20 °C / +45 °C
04.01.06.01.01.0105	144	600	22472	20	-20 °C / +45 °C



Polycarbonate body RAL 7035.  
 Nylon or stainless steel clip fix (on request).  
 Polyurethane sealing gasket.  
 Polycarbonate diffuser, UV resistant; stainless steel fixing accessories.  
 Electronic ballast 230 V - 50/60 Hz; EEI A2.  
 T° color 4000K (different T° on request)  
 IRC > 80

**Protection degree:** IP66

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 EN 62471  
 EN 62031  
 2004/108/CE

CODE	LED SMD	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	DIMENSIONS (mm)		
					A	B	C
04.01.06.01.01.0106	1x10.5 W	10.5	300	1570	660	101	101
04.01.06.01.01.0107	1x12.4 W	12.4	300	1790	660	101	101
04.01.06.01.01.0108	1x22.8 W	22.8	350	3290	660	101	101
04.01.06.01.01.0109	1x21 W	21	300	3140	1277	101	101
04.01.06.01.01.0110	1x45.6 W	45.6	350	6580	1277	145	101
04.01.06.01.01.0111	1x31 W	31	250	4480	1573	101	101
04.01.06.01.01.0112	1x39.2 W	39.2	250	6170	1573	101	101
04.01.06.01.01.0113	2x10.5 W	21	300	3140	660	145	101
04.01.06.01.01.0114	2x12.4 W	24.8	350	3580	660	145	101
04.01.06.01.01.0115	2x15.7 W	31.4	250	4940	660	145	101
04.01.06.01.01.0116	2x21 W	42	300	6280	1277	145	101
04.01.06.01.01.0117	2x24.8 W	49.6	350	7160	1277	145	101
04.01.06.01.01.0118	2x31 W	62	350	8960	1573	145	101
04.01.06.01.01.0119	1x57 W	57	350	8220	1573	145	101



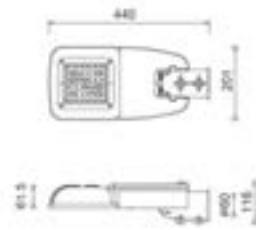


Die cast aluminium body and cover.  
Tempered flat glass diffuser; 4mm thickness  
Silicone gasket, high temperature resistance.  
External screw stainless steel AISI 304  
Internal aluminium reflector  
Epoxy resin painted, grey color  
Multichip optical LED by CREE or OSOLON SQUARE Osram type  
T° color 4000K (standard)  
IRC (Ra) > 80

**Protection degree:** IP65

CODE	WIDE BEAM DIFFUSER FOR INSTALLATION AT 4-8 MT				
	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0120	40	350	6586	10 MC	-20 °C / +45 °C
04.01.06.01.01.0121	51	450	8246	10 MC	-20 °C / +45 °C
04.01.06.01.01.0122	57	500	9046	10 MC	-20 °C / +45 °C
04.01.06.01.01.0123	69.5	600	10591	10 MC	-20 °C / +45 °C
04.01.06.01.01.0124	82	700	12064	10 MC	-20 °C / +45 °C
04.01.06.01.01.0125	60	350	9879	15 MC	-20 °C / +45 °C
04.01.06.01.01.0126	77	450	12369	15 MC	-20 °C / +45 °C
04.01.06.01.01.0127	86	500	13569	15 MC	-20 °C / +45 °C
04.01.06.01.01.0128	104	600	15886	15 MC	-20 °C / +45 °C
04.01.06.01.01.0129	123	700	18096	15 MC	-20 °C / +45 °C
04.01.06.01.01.0130	80	350	13173	20 MC	-20 °C / +45 °C
04.01.06.01.01.0131	102	450	16492	20 MC	-20 °C / +45 °C
04.01.06.01.01.0132	114	500	18092	20 MC	-20 °C / +45 °C
04.01.06.01.01.0133	139	600	21182	20 MC	-20 °C / +45 °C
04.01.06.01.01.0134	164	700	24128	20 MC	-20 °C / +45 °C
04.01.06.01.01.0135	100	350	16466	25 MC	-20 °C / +45 °C
04.01.06.01.01.0136	128	450	20614	25 MC	-20 °C / +45 °C
04.01.06.01.01.0137	145	500	22616	25 MC	-20 °C / +45 °C
04.01.06.01.01.0138	173	600	26477	25 MC	-20 °C / +45 °C

CODE	NARROW BEAM DIFFUSER FOR INSTALLATION AT 8-14 MT				
	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0139	40	350	6586	10 MC	-20 °C / +45 °C
04.01.06.01.01.0140	51	450	8246	10 MC	-20 °C / +45 °C
04.01.06.01.01.0141	57	500	9046	10 MC	-20 °C / +45 °C
04.01.06.01.01.0142	69.5	600	10591	10 MC	-20 °C / +45 °C
04.01.06.01.01.0143	82	700	12064	10 MC	-20 °C / +45 °C
04.01.06.01.01.0144	60	350	9879	15 MC	-20 °C / +45 °C
04.01.06.01.01.0145	77	450	12369	15 MC	-20 °C / +45 °C
04.01.06.01.01.0146	86	500	13569	15 MC	-20 °C / +45 °C
04.01.06.01.01.0147	104	600	15886	15 MC	-20 °C / +45 °C
04.01.06.01.01.0148	123	700	18096	15 MC	-20 °C / +45 °C
04.01.06.01.01.0149	80	350	13173	20 MC	-20 °C / +45 °C
04.01.06.01.01.0150	102	450	16492	20 MC	-20 °C / +45 °C
04.01.06.01.01.0151	114	500	18092	20 MC	-20 °C / +45 °C
04.01.06.01.01.0152	139	600	21182	20 MC	-20 °C / +45 °C
04.01.06.01.01.0153	164	700	24128	20 MC	-20 °C / +45 °C
04.01.06.01.01.0154	100	350	16466	25 MC	-20 °C / +45 °C
04.01.06.01.01.0155	128	450	20614	25 MC	-20 °C / +45 °C
04.01.06.01.01.0156	145	500	22616	25 MC	-20 °C / +45 °C
04.01.06.01.01.0157	173	600	26477	25 MC	-20 °C / +45 °C



Die cast aluminium body  
 Epoxy resin painted with high corrosion resistance  
 Silicone gasket  
 External screw stainless steel AISI 304  
 Electronic power supply 220/240V - 50/60 Hz;  
 Optical system with 10/20/30 single LED  
 T° color 4000K (standard)  
 Insulation class: II  
 IRC (Ra) > 75

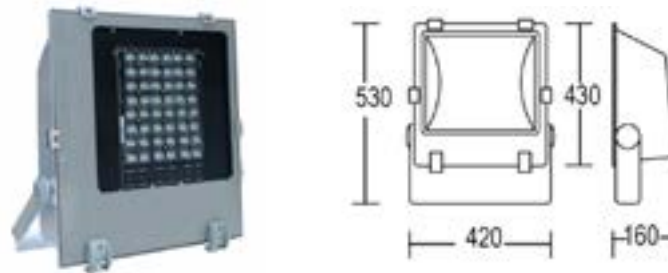
**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008  
 CEI/EN 60598-2-3  
 EN 62471  
 EN 62031  
 2004/108/CE  
 UNI 10819

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0158	10	350	1576	10	-20 °C / +45 °C
04.01.06.01.01.0159	14	500	2165	10	-20 °C / +45 °C
04.01.06.01.01.0160	20.5	700	2882	10	-20 °C / +45 °C
04.01.06.01.01.0161	20	350	3152	20	-20 °C / +45 °C
04.01.06.01.01.0162	28.5	500	4331	20	-20 °C / +45 °C
04.01.06.01.01.0163	41	700	5764	20	-20 °C / +45 °C
04.01.06.01.01.0164	30	350	3182	30	-20 °C / +45 °C
04.01.06.01.01.0165	43	500	4512	30	-20 °C / +45 °C
04.01.06.01.01.0166	61	700	6030	30	-20 °C / +45 °C

High performance street light LED

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0167	32	350	5044	32	-20 °C / +45 °C
04.01.06.01.01.0168	41	450	6318	32	-20 °C / +45 °C
04.01.06.01.01.0169	46	500	6929	32	-20 °C / +45 °C
04.01.06.01.01.0170	55	600	8105	32	-20 °C / +45 °C
04.01.06.01.01.0171	65.5	700	9222	32	-20 °C / +45 °C
04.01.06.01.01.0172	36	350	5674	36	-20 °C / +45 °C
04.01.06.01.01.0173	46	450	7107	36	-20 °C / +45 °C
04.01.06.01.01.0174	51	500	7796	36	-20 °C / +45 °C
04.01.06.01.01.0175	62	600	9119	36	-20 °C / +45 °C
04.01.06.01.01.0176	74	700	10375	36	-20 °C / +45 °C
04.01.06.01.01.0177	48	350	7565	48	-20 °C / +45 °C
04.01.06.01.01.0178	61.5	450	9477	48	-20 °C / +45 °C
04.01.06.01.01.0179	69	500	10394	48	-20 °C / +45 °C
04.01.06.01.01.0180	83.5	600	12158	48	-20 °C / +45 °C
04.01.06.01.01.0181	98.5	700	13833	48	-20 °C / +45 °C



Die cast aluminium body epoxy resin painted, with high corrosion resistance.

Stainless steel fixing bracket

Tempered flat glass diffuser, 5mm thickness

PVC cable gland PG 13,5

External screw stainless steel AISI 304

Power supply 220/240V - 50/60 Hz

Optical LED system with 16/18/20/24/32/36/48/54/60 single LED.

T° color 4000K

IRC (Ra) > 75

Rapid re-start system

**Protection degree:** IP65

**APPLICABLE STANDARDS:**

CEI/EN 60598-1:2008

CEI/EN 60598-2-5

EN 62471

EN 62031

2004/108/CE

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0182	16	350	2522	16	-20 °C / +45 °C
04.01.06.01.01.0183	20.5	450	3159	16	-20 °C / +45 °C
04.01.06.01.01.0184	23	500	3465	16	-20 °C / +45 °C
04.01.06.01.01.0185	28	600	4053	16	-20 °C / +45 °C
04.01.06.01.01.0186	33	700	4611	16	-20 °C / +45 °C
04.01.06.01.01.0187	18	350	2837	18	-20 °C / +45 °C
04.01.06.01.01.0188	23	450	3553	18	-20 °C / +45 °C
04.01.06.01.01.0189	25.5	500	3898	18	-20 °C / +45 °C
04.01.06.01.01.0190	31.5	600	4559	18	-20 °C / +45 °C
04.01.06.01.01.0191	37	700	5188	18	-20 °C / +45 °C
04.01.06.01.01.0192	20	350	3152	20	-20 °C / +45 °C
04.01.06.01.01.0193	25.5	450	3949	20	-20 °C / +45 °C
04.01.06.01.01.0194	28.5	500	4331	20	-20 °C / +45 °C
04.01.06.01.01.0195	35	600	5066	20	-20 °C / +45 °C
04.01.06.01.01.0196	41	700	5764	20	-20 °C / +45 °C
04.01.06.01.01.0197	24	350	3783	24	-20 °C / +45 °C
04.01.06.01.01.0198	30.5	450	4738	24	-20 °C / +45 °C
04.01.06.01.01.0199	34.5	500	5197	24	-20 °C / +45 °C
04.01.06.01.01.0200	41.5	600	6079	24	-20 °C / +45 °C
04.01.06.01.01.0201	49	700	6917	24	-20 °C / +45 °C

CODE	POWER (W)	CURRENT (mA)	NOMINAL FLOW (Lm)	N° LED	OPERATING T°
04.01.06.01.01.0202	32	350	5044	32	-20 °C / +45 °C
04.01.06.01.01.0203	41	450	6318	32	-20 °C / +45 °C
04.01.06.01.01.0204	46	500	6929	32	-20 °C / +45 °C
04.01.06.01.01.0205	55	600	8105	32	-20 °C / +45 °C
04.01.06.01.01.0206	65.5	700	9222	32	-20 °C / +45 °C
04.01.06.01.01.0207	36	350	5674	36	-20 °C / +45 °C
04.01.06.01.01.0208	46	450	7107	36	-20 °C / +45 °C
04.01.06.01.01.0209	51	500	7796	36	-20 °C / +45 °C
04.01.06.01.01.0210	62	600	9119	36	-20 °C / +45 °C
04.01.06.01.01.0211	74	700	10375	36	-20 °C / +45 °C
04.01.06.01.01.0212	48	350	7565	48	-20 °C / +45 °C
04.01.06.01.01.0213	61.5	450	9477	48	-20 °C / +45 °C
04.01.06.01.01.0214	69	500	10394	48	-20 °C / +45 °C
04.01.06.01.01.0215	83.5	600	12158	48	-20 °C / +45 °C
04.01.06.01.01.0216	98.5	700	13833	48	-20 °C / +45 °C
04.01.06.01.01.0217	54	350	8511	54	-20 °C / +45 °C
04.01.06.01.01.0218	69	450	10661	54	-20 °C / +45 °C
04.01.06.01.01.0219	77	500	11693	54	-20 °C / +45 °C
04.01.06.01.01.0220	94	600	13678	54	-20 °C / +45 °C
04.01.06.01.01.0221	60	350	9457	60	-20 °C / +45 °C
04.01.06.01.01.0222	77	450	11846	60	-20 °C / +45 °C
04.01.06.01.01.0223	86	500	12993	60	-20 °C / +45 °C
04.01.06.01.01.0224	104	600	15563	60	-20 °C / +45 °C



Rated current: 16A-32A-63A  
 Rated voltage: 100÷690V~  
 Frequency: 50÷60Hz  
 Insulating voltage: 500/690V  
 Protection degree: IP66/IP67  
 Operating temperature according to the reference standard: -25°C / +40°C

Minimum operating temperature: -40°C  
 Max. operating temperature: +60°C  
 Self-extinguishing GW test: 960°C  
 Self-extinguishing UL94: V0  
 Material: GRP  
 IK degree at 20°C: IK10 (20J)  
 Fuse: 16A-32A-63A  
 Colour: Grey RAL7037

CODE			WITHOUT FUSE HOLDER				
16A	32A	63A	POLES	VOLTAGE		h.	COLOUR
				HZ	VOLT		
11.31.28.24.00000100	11.31.28.24.00000200	11.31.28.24.00000300	2P+T	50/60	100-130	4	Yellow
11.31.28.24.00000101	11.31.28.24.00000201	11.31.28.24.00000301	2P+T	50/60	200-250	6	Blue
11.31.28.24.00000102	11.31.28.24.00000202	11.31.28.24.00000302	2P+T	50/60	380-415	9	Red
11.31.28.24.00000103	11.31.28.24.00000203	11.31.28.24.00000303	2P+T	50/60	480-500	7	Grey
11.31.28.24.00000104	11.31.28.24.00000204	11.31.28.24.00000304	2P+T	50/60	trasf.	12	Grey
11.31.28.24.00000105	11.31.28.24.00000205	11.31.28.24.00000305	2P+T	>300-500	>50	2	Green
-	-	-	2P+T	c.c.	>50-250	3	Grey
-	-	-	2P+T	c.c.	>250	8	Grey
11.31.28.24.00000106	11.31.28.24.00000206	11.31.28.24.00000306	3P+T	50/60	100-130	4	Yellow
11.31.28.24.00000107	11.31.28.24.00000207	11.31.28.24.00000307	3P+T	50/60	200-250	6	Blue
11.31.28.24.00000108	11.31.28.24.00000208	11.31.28.24.00000308	3P+T	50/60	380-415	9	Red
11.31.28.24.00000109	11.31.28.24.00000209	11.31.28.24.00000309	3P+T	60	440-460	11	Red
11.31.28.24.00000110	11.31.28.24.00000210	11.31.28.24.00000310	3P+T	50/60	480-500	7	Grey
11.31.28.24.00000111	11.31.28.24.00000211	11.31.28.24.00000311	3P+T	50/60	600-690	5	Black
11.31.28.24.00000112	11.31.28.24.00000212	11.31.28.24.00000312	3P+T	50...60	380...440	3	Red
11.31.28.24.00000113	11.31.28.24.00000213	11.31.28.24.00000313	3P+T	100-300	>50	10	Green
11.31.28.24.00000114	11.31.28.24.00000214	11.31.28.24.00000314	3P+T	>300-500	>50	2	Grey
11.31.28.24.00000115	11.31.28.24.00000215	11.31.28.24.00000315	3P+N+T	50/60	100-130	4	Yellow
11.31.28.24.00000116	11.31.28.24.00000216	11.31.28.24.00000316	3P+N+T	50/60	208-250	6	Blue
11.31.28.24.00000117	11.31.28.24.00000217	11.31.28.24.00000317	3P+N+T	50/60	346-415	9	Red
11.31.28.24.00000118	11.31.28.24.00000218	11.31.28.24.00000318	3P+N+T	50/60	480-500	7	Grey
11.31.28.24.00000119	11.31.28.24.00000219	11.31.28.24.00000319	3P+N+T	50/60	600-690	5	Black
11.31.28.24.00000120	11.31.28.24.00000220	11.31.28.24.00000320	3P+N+T	60	440-460	11	Red
11.31.28.24.00000121	11.31.28.24.00000221	11.31.28.24.00000321	3P+N+T	50...60	380...440	3	Red
11.31.28.24.00000122	11.31.28.24.00000222	11.31.28.24.00000322	3P+N+T	>300-500	>50	2	Green

CODE			WITH FUSE HOLDER				
16A	32A	63A	POLES	VOLTAGE		h.	COLOUR
				HZ	VOLT		
11.31.28.24.00000400	11.31.28.24.00000500	11.31.28.24.00000600	2P+T	50/60	100-130	4	Yellow
11.31.28.24.00000401	11.31.28.24.00000501	11.31.28.24.00000601	2P+T	50/60	200-250	6	Blue
11.31.28.24.00000402	11.31.28.24.00000502	11.31.28.24.00000602	2P+T	50/60	380-415	9	Red
11.31.28.24.00000403	11.31.28.24.00000503	11.31.28.24.00000603	2P+T	50/60	480-500	7	Grey
11.31.28.24.00000404	11.31.28.24.00000504	11.31.28.24.00000604	2P+T	50/60	trasf.	12	Grey
11.31.28.24.00000405	11.31.28.24.00000505	11.31.28.24.00000605	2P+T	>300-500	>50	2	Green
-	-	-	2P+T	c.c.	>50-250	3	Grey
-	-	-	2P+T	c.c.	>250	8	Grey
11.31.28.24.00000406	11.31.28.24.00000506	11.31.28.24.00000606	3P+T	50/60	100-130	4	Yellow
11.31.28.24.00000407	11.31.28.24.00000507	11.31.28.24.00000607	3P+T	50/60	200-250	6	Blue
11.31.28.24.00000408	11.31.28.24.00000508	11.31.28.24.00000608	3P+T	50/60	380-415	9	Red
11.31.28.24.00000409	11.31.28.24.00000509	11.31.28.24.00000609	3P+T	60	440-460	11	Red
11.31.28.24.00000410	11.31.28.24.00000510	11.31.28.24.00000610	3P+T	50/60	480-500	7	Grey
11.31.28.24.00000411	11.31.28.24.00000511	11.31.28.24.00000611	3P+T	50/60	600-690	5	Black
11.31.28.24.00000412	11.31.28.24.00000512	11.31.28.24.00000612	3P+T	50...60	380...440	3	Red
11.31.28.24.00000413	11.31.28.24.00000513	11.31.28.24.00000613	3P+T	100-300	>50	10	Green
11.31.28.24.00000414	11.31.28.24.00000514	11.31.28.24.00000614	3P+T	>300-500	>50	2	Grey
11.31.28.24.00000415	11.31.28.24.00000515	11.31.28.24.00000615	3P+N+T	50/60	100-130	4	Yellow
11.31.28.24.00000416	11.31.28.24.00000516	11.31.28.24.00000616	3P+N+T	50/60	208-250	6	Blue
11.31.28.24.00000417	11.31.28.24.00000517	11.31.28.24.00000617	3P+N+T	50/60	346-415	9	Red
11.31.28.24.00000418	11.31.28.24.00000518	11.31.28.24.00000618	3P+N+T	50/60	480-500	7	Grey
11.31.28.24.00000419	11.31.28.24.00000519	11.31.28.24.00000619	3P+N+T	50/60	600-690	5	Black
11.31.28.24.00000420	11.31.28.24.00000520	11.31.28.24.00000620	3P+N+T	60	440-460	11	Red
11.31.28.24.00000421	11.31.28.24.00000521	11.31.28.24.00000621	3P+N+T	50...60	380...440	3	Red
11.31.28.24.00000422	11.31.28.24.00000522	11.31.28.24.00000622	3P+N+T	>300-500	>50	2	Green



CODE		WITH FUSE HOLDER			
16-32A	63A	MODULE	DIN MODULE	DIMENSIONS mm (HXB)	POWER DISSIPATION (W)
11.20.54.24.00000100	-	16A-32A	-	260 x 130	-
-	11.20.54.24.00000101	63A	-	380 x 170	-



CODE		BASE FOR ONE SOCKET WITH DERIVATION BOX			
16-32A	63A	MODULE	DIN MODULE	DIMENSIONS mm (HXB)	POWER DISSIPATION (W)
11.20.54.24.00000200	-	16A-32A	-	460 x 130	9
-	11.20.54.24.00000201	63A	-	580 x 170	13



CODE		BASE FOR ONE SOCKET WITH CONSUMER UNIT			
16-32A	63A	MODULE	DIN MODULE	DIMENSIONS mm (HXB)	POWER DISSIPATION (W)
11.20.54.24.00000300	-	16A-32A	6	460 x 130	9
-	11.20.54.24.00000301	63A	6	580 x 170	13



CODE		BASE FOR ONE SOCKET WITH CONSUMER UNIT			
16-32A	63A	MODULE	DIN MODULE	DIMENSIONS mm (HXB)	POWER DISSIPATION (W)
11.20.54.24.00000400	-	16A-32A	-	460 x 260	16



CODE		BASE FOR ONE SOCKET WITH CONSUMER UNIT			
16-32A	63A	MODULE	DIN MODULE	DIMENSIONS mm (HXB)	POWER DISSIPATION (W)
11.20.54.24.00000500	-	16A-32A	13	460 x 260	16



Rated current: 16A-125A  
 Rated voltage: 200÷415V~  
 Frequency: c.c. 50÷60Hz  
 Insulating voltage: 500/690V  
 Protection degree: IP66/IP67  
 Operating temperature according to the reference standard: -25°C / +60°C

Max. operating temperature: +90°C  
 Self-extinguishing GW test: 850°C/960°C  
 Material: Thermoplastic  
 IK degree at 20°C: IK07  
 Cable inlets: Cable gland IP66/IP67

CODE			POLES	VOLTAGE		h.	COLOUR
16A	32A	63A		Hz	V		
11.32.28.24.00000162	11.32.28.24.00000322	11.32.28.24.00000632	2P+T	50/60	200-250	6	Blue
11.32.28.24.00000163	11.32.28.24.00000323	11.32.28.24.00000633	3P+T	50/60	380-415	6	Red
11.32.28.24.00000164	11.32.28.24.00000324	11.32.28.24.00000634	3P+N+T	50/60	346-415	6	Red

Switched interlocked socket outlets without fuse holder



Rated current: 16A-32A  
 Rated voltage: 100÷690V~  
 Frequency: c.c. - 50÷690Hz  
 Insulating voltage: 500/690V  
 Protection degree: IP44 - IP66/IP67  
 Operating temperature according to the reference standard: -25°C / +40°C  
 Max. operating temperature: +60°C  
 Self-extinguishing GW test: 650°C/850°C  
 Material: Polymer  
 IK degree at 20°C: IK07

Cable inlets: Metric  
 Fuse:  
 gG 10,3x38mm (16-32A)  
 Neozed type D02 (63A)  
 Colour:  
 - Standard socket: Grey RAL 7035 front side, smoke-grey plate  
 - Heavy Duty socket: Blue RAL 5015 front side, dark-grey RAL 7004 body

CODE			POLES	VOLTAGE		h.	COLOUR
16A (1/12)	32A (1/12)	63A (1/4)		Hz	VOLT		
11.31.28.25.00000500	11.31.28.25.00000600	11.31.28.25.00000700	2P+T	50/60	100-130	4	Yellow
11.31.28.25.00000501	11.31.28.25.00000601	11.31.28.25.00000701	2P+T	50/60	200-250	6	Blue
11.31.28.25.00000502	11.31.28.25.00000602	11.31.28.25.00000702	2P+T	50/60	380-415	9	Red
11.31.28.25.00000503	11.31.28.25.00000603	11.31.28.25.00000703	2P+T	50/60	480-500	7	Grey
11.31.28.25.00000504	11.31.28.25.00000604	11.31.28.25.00000704	2P+T	50/60	trasf.	12	Grey
11.31.28.25.00000505	11.31.28.25.00000605	11.31.28.25.00000705	2P+T	>300-500	>50	2	Green
11.31.28.25.00000506	11.31.28.25.00000606	11.31.28.25.00000706	2P+T	c.c.	>50-250	3	Grey
11.31.28.25.00000507	11.31.28.25.00000607	11.31.28.25.00000707	2P+T	c.c.	>250	8	Grey
11.31.28.25.00000508	11.31.28.25.00000608	11.31.28.25.00000708	3P+T	50/60	100-130	4	Yellow
11.31.28.25.00000509	11.31.28.25.00000609	11.31.28.25.00000709	3P+T	50/60	200-250	9	Blue
11.31.28.25.00000510	11.31.28.25.00000610	11.31.28.25.00000710	3P+T	50/60	380-415	6	Red
11.31.28.25.00000511	11.31.28.25.00000611	11.31.28.25.00000711	3P+T	60	440-460	11	Red
11.31.28.25.00000512	11.31.28.25.00000612	11.31.28.25.00000712	3P+T	50/60	480-500	7	Grey
11.31.28.25.00000513	11.31.28.25.00000613	11.31.28.25.00000713	3P+T	50/60	600-690	5	Black
11.31.28.25.00000514	11.31.28.25.00000614	11.31.28.25.00000714	3P+T	50-60	380-440	3	Red
11.31.28.25.00000515	11.31.28.25.00000615	11.31.28.25.00000715	3P+T	100-300	>50	10	Green
11.31.28.25.00000516	11.31.28.25.00000616	11.31.28.25.00000716	3P+T	>300-500	>50	2	Green
11.31.28.25.00000517	11.31.28.25.00000617	11.31.28.25.00000717	3P+N+T	50/60	100-130	4	Yellow
11.31.28.25.00000518	11.31.28.25.00000618	11.31.28.25.00000718	3P+N+T	50/60	208-250	9	Blue
11.31.28.25.00000519	11.31.28.25.00000619	11.31.28.25.00000719	3P+N+T	50/60	346-415	6	Red
11.31.28.25.00000520	11.31.28.25.00000620	11.31.28.25.00000720	3P+N+T	50/60	480-500	7	Grey
11.31.28.25.00000521	11.31.28.25.00000621	11.31.28.25.00000721	3P+N+T	50/60	600-690	5	Black
11.31.28.25.00000522	11.31.28.25.00000622	11.31.28.25.00000722	3P+N+T	60	440-460	11	Red
11.31.28.25.00000523	11.31.28.25.00000623	11.31.28.25.00000723	3P+N+T	50-60	380-440	3	Red
11.31.28.25.00000524	11.31.28.25.00000624	11.31.28.25.00000724	3P+N+T	>300-500	>50	2	Green

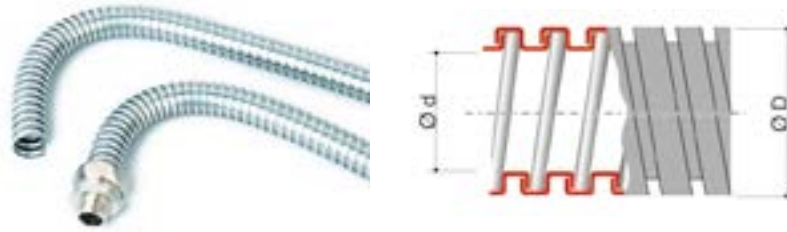


Rated current: 16A-32A  
 Rated voltage: 100÷690V~  
 Frequency: c.c. 50÷500Hz  
 Insulating voltage: 500/690V  
 Protection degree: IP66/IP67

Operating temperature according to the reference standard: -25°C / +40°C  
 Max. operating temperature: +60°C  
 Self-extinguishing GW test: 650°C/850°C  
 Material: Engineering plastic  
 IK degree at 20°C: IK07 - IK09  
 Cable inlets: Cable gland IP66/IP67

CODE				POLES	VOLTAGE		h.	COLOUR
16A	32A	63A	125A		Hz	VOLT		
11.32.28.25.00000100	11.32.28.25.00000200	11.32.28.25.00000300	11.32.28.25.00000400	2P+T	50/60	100-130	4	Yellow
11.32.28.25.00000101	11.32.28.25.00000201	11.32.28.25.00000301	11.32.28.25.00000401	2P+T	50/60	200-250	6	Blue
11.32.28.25.00000102	11.32.28.25.00000202	11.32.28.25.00000302	11.32.28.25.00000402	2P+T	50/60	380-415	9	Red
11.32.28.25.00000103	11.32.28.25.00000203	11.32.28.25.00000303	11.32.28.25.00000403	2P+T	50/60	480-500	7	Grey
11.32.28.25.00000104	11.32.28.25.00000204	11.32.28.25.00000304	11.32.28.25.00000404	2P+T	50/60	trasf.	12	Grey
11.32.28.25.00000105	11.32.28.25.00000205	11.32.28.25.00000305	11.32.28.25.00000405	2P+T	>300-500	>50	2	Green
11.32.28.25.00000106	11.32.28.25.00000206	11.32.28.25.00000306	11.32.28.25.00000406	2P+T	c.c.	>50-250	3	Grey
11.32.28.25.00000107	11.32.28.25.00000207	11.32.28.25.00000307	11.32.28.25.00000407	2P+T	c.c.	>250	8	Grey
11.32.28.25.00000108	11.32.28.25.00000208	11.32.28.25.00000308	11.32.28.25.00000408	3P+T	50/60	100-130	4	Yellow
11.32.28.25.00000109	11.32.28.25.00000209	11.32.28.25.00000309	11.32.28.25.00000409	3P+T	50/60	200-250	9	Blue
11.32.28.25.00000110	11.32.28.25.00000210	11.32.28.25.00000310	11.32.28.25.00000410	3P+T	50/60	380-415	6	Red
11.32.28.25.00000111	11.32.28.25.00000211	11.32.28.25.00000311	11.32.28.25.00000411	3P+T	60	440-460	11	Red
11.32.28.25.00000112	11.32.28.25.00000212	11.32.28.25.00000312	11.32.28.25.00000412	3P+T	50/60	480-500	7	Grey
11.32.28.25.00000113	11.32.28.25.00000213	11.32.28.25.00000313	11.32.28.25.00000413	3P+T	50/60	600-690	5	Black
11.32.28.25.00000114	11.32.28.25.00000214	11.32.28.25.00000314	11.32.28.25.00000414	3P+T	50-60	380-480	3	Red
11.32.28.25.00000115	11.32.28.25.00000215	11.32.28.25.00000315	11.32.28.25.00000415	3P+T	100-300	>50	10	Green
11.32.28.25.00000116	11.32.28.25.00000216	11.32.28.25.00000316	11.32.28.25.00000416	3P+T	>300-500	>50	2	Green
11.32.28.25.00000117	11.32.28.25.00000217	11.32.28.25.00000317	11.32.28.25.00000417	3P+N+T	50/60	100-130	4	Yellow
11.32.28.25.00000118	11.32.28.25.00000218	11.32.28.25.00000318	11.32.28.25.00000418	3P+N+T	50/60	208-250	9	Blue
11.32.28.25.00000119	11.32.28.25.00000219	11.32.28.25.00000319	11.32.28.25.00000419	3P+N+T	50/60	346-415	6	Red
11.32.28.25.00000120	11.32.28.25.00000220	11.32.28.25.00000320	11.32.28.25.00000420	3P+N+T	50/60	480-500	7	Grey
11.32.28.25.00000121	11.32.28.25.00000221	11.32.28.25.00000321	11.32.28.25.00000421	3P+N+T	50/60	600-690	5	Black
11.32.28.25.00000122	11.32.28.25.00000222	11.32.28.25.00000322	11.32.28.25.00000422	3P+N+T	60	440-460	11	Black
11.32.28.25.00000123	11.32.28.25.00000223	11.32.28.25.00000323	11.32.28.25.00000423	3P+N+T	50-60	380-440	3	Red
11.32.28.25.00000124	11.32.28.25.00000224	11.32.28.25.00000324	11.32.28.25.00000424	3P+N+T	>300-500	>50	2	Green





**Classification**

Manufactured in compliance with CEI EN 61386-1 and 61386-23

Significant classification codes: 3 3 5 6

Resistance to compression: Medium (750 N)

Resistance to impact: Medium (2 J)

Corrosion resistance: Medium

Tensile strength: Medium (500 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP40

Electrical properties: Electrical continuity guaranteed

**Characteristics**

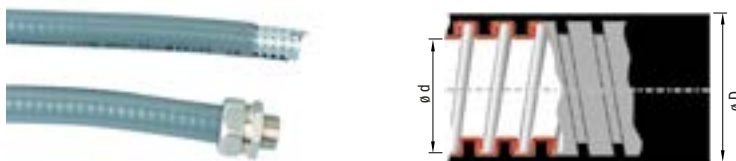
Simple interlocking flexible conduits made from a helical ribbon of Sendzimir continuous hot-dip zinc coated strip (UNI EN 10327).

They are extremely flexible and have an excellent mechanical resistance. The coils are packed in cartons.

Ambient temperature: +70/-15 °C

CODE	DIMENSIONS (mm)			BOX (m)
	Ø d	D	INCHES	
11.21.07.03.00001013	10,0	13,0	1/4"	50
11.21.07.03.00001215	12,0	15,0	3/8"	50
11.21.07.03.00001518	15,5	18,5	1/2"	50
11.21.07.03.00002024	20,5	24,5	3/4"	50
11.21.07.03.00002630	26,5	30,0	1"	25
11.21.07.03.00003539	35,0	39,5	1 ¼"	25
11.21.07.03.00004044	40,0	44,5	1 ½"	25
11.21.07.03.00005054	50,5	54,5	2"	25

## Simple interlocking metal flexible conduits coated in smooth PVC



### Classification

Manufactured in compliance with CEI EN 61386-1 and 61386-23

Significant classification codes: 3 4 3 1

### Resistance to compression:

Heavy (1250 N) until 00002634

Medium (750 N) from 00003543

Resistance to impact: Heavy (6 J)

### Tensile strength:

Medium (500 N) until 00001521

Heavy (1000 N) from 00002027

Suspended load capacity: Heavy (450 N)

Self-extinguishing: flame retardant

Protection degree: IP66/IP67

Electrical properties: Electrical continuity guaranteed.

### Characteristics

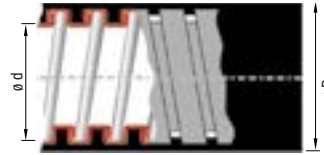
Simple interlocking flexible conduits made from a helical ribbon of Sendzimir continuous hot-dip zinc coated strip (UNI EN 10327), self-extinguishing PVC.

Resistant to most types of oils and greases, they are extremely flexible and have excellent levels of mechanical resistance.

Ambient temperature:

+70/-15 °C

CODE	DIMENSIONS (mm)			BOX (m)
	Ø d	D	INCHES	
11.21.07.06.00001015	10,0	15,0	1/4"	50
11.21.07.06.00001218	12,0	18,0	3/8"	50
11.21.07.06.00001521	15,5	21,0	1/2"	50
11.21.07.06.00002027	20,5	27,0	3/4"	50
11.21.07.06.00002634	26,5	34,0	1"	25
11.21.07.06.00003543	35,0	43,0	1 ¼"	25
11.21.07.06.00004048	40,0	48,0	1 ½"	25
11.21.07.06.00005058	50,5	58,5	2"	25
11.21.07.07.00001015	10,0	15,0	1/4"	50
11.21.07.07.00001218	12,0	18,0	3/8"	50
11.21.07.07.00001521	15,5	21,0	1/2"	50
11.21.07.07.00002027	20,5	27,0	3/4"	50
11.21.07.07.00002634	26,5	34,0	1"	25
11.21.07.07.00003543	35,0	43,0	1 ¼"	25
11.21.07.07.00004048	40,0	48,0	1 ½"	25
11.21.07.07.00005058	50,5	58,5	2"	25
11.21.07.07.00005059	63,3	73,0	2 ½"	7,6
11.21.07.07.00005060	78,3	89,0	3"	7,6
11.21.07.07.00005061	102	113,0	4"	7,6



**Classification**

Manufactured in compliance with CEI EN61386-1, CEI EN 61386-23, UNI CEI 11170-3:2005 Standards.

Significant classification codes: 3 4 4 1

**Resistance to compression:**

Heavy (1250 N) until 00002634

Medium (750 N) from 00003543

**Resistance to impact:** Heavy (6 J)

**Tensile strength:**

Medium (500 N) until 00001521 code

Heavy (100 N) until 00002027

**Suspended load capacity:** Heavy (850 N)

**Self-extinguishing rating in compliance with CEI EN 61386 standard:** Flame Retardant

**Fume Emission F1 in compliance with NF F 16-101 standard**

**Protection degree:** IP67

**Electrical properties:** Electrical continuity guaranteed.

**Characteristics**

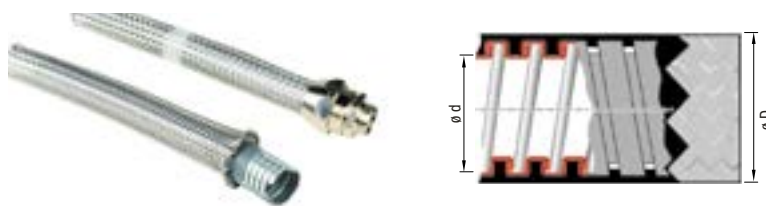
Flexible conduits made from Sendzimir galvanized steel ribbon (UNI EN 10327 Standard), with helicoidal profile and simple interlocking.

The coating is made of thermoplastic Eva which is a flame retardant material with a low level of toxics and corrosive gas emission, halogen-free, with a smooth external surface and thread fastening. These conduits are resistant to common oils and grease and have good flexibility and good mechanical resistance.

**Ambient temperature:** +70/-15 °C

CODE	DIMENSIONS (mm)			BOX (m)
	$\varnothing d$	D	INCHES	
11.21.07.09.00001015	10,0	15,0	1/4"	50
11.21.07.09.00001218	12,0	18,0	3/8"	50
11.21.07.09.00001521	15,5	21,0	1/2"	50
11.21.07.09.00002027	20,5	27,0	3/4"	50
11.21.07.09.00002634	26,5	34,0	1"	25
11.21.07.09.00003543	35,0	43,0	1 1/4"	25
11.21.07.09.00004048	40,0	48,0	1 1/2"	25
11.21.07.09.00005058	50,5	58,5	2"	25

Simple interlocking metal flexible conduits coated in smooth Eva and protected by stainless steel banding



### Classification

Manufactured in compliance with CEI EN61386-1, CEI EN 61386-23, UNI CEI 11170-3:2005 Standards.

Significant classification codes: 3 4 4 1

### Resistance to compression:

Heavy (1250 N) until 00002634  
Medium (750 N) from 00003543

Resistance to impact: Heavy (6 J)

### Tensile strength:

Medium (500 N) until 00001521  
Heavy (100 N) until 00002027

Suspended load capacity: Heavy (850 N)

Self-extinguishing rating in compliance with CEI EN 61386 standard: Flame Retardant Fume Emission F1 in compliance with NF F 16-101 standard

Protection degree: IP66/IP67

Electrical properties: Electrical continuity guaranteed.

EMC Shielding in compliance with IEC TS 61587 Standard: 30-230 MHz Level 1 (Minimum abatement 35 dB)

### Characteristics

Flexible conduits made from Sendzimir galvanized steel ribbon (UNI EN 10327 Standard), with helicoidal profile and simple interlocking. The coating is made of thermoplastic Eva which is a flame retardant material with a low level of toxics and corrosive gas emission, halogen-free, with a smooth external surface and thread fastening. They are protected by an AISI 304 stainless steel metal braid, that renders the conduit highly resistant to wear, abrasion and electric sparks. These conduits are resistant to common oils and grease and have good flexibility and good mechanical resistance. They also offer good protection against electromagnetic interference across a large wave band.

Ambient Temperature: +70/-15 °C

CODE	DIMENSIONS (mm)			BOX (m)
	Ø d	D	INCHES	
11.21.07.10.00001015	10,0	15,0	1/4"	50
11.21.07.10.00001218	12,0	18,0	3/8"	50
11.21.07.10.00001521	15,5	21,0	1/2"	50
11.21.07.10.00002027	20,5	27,0	3/4"	50
11.21.07.10.00002634	26,5	34,0	1"	25
11.21.07.10.00003543	35,0	43,0	1 ¼"	25
11.21.07.10.00004048	40,0	48,0	1 ½"	25
11.21.07.10.00005058	50,5	58,5	2"	25

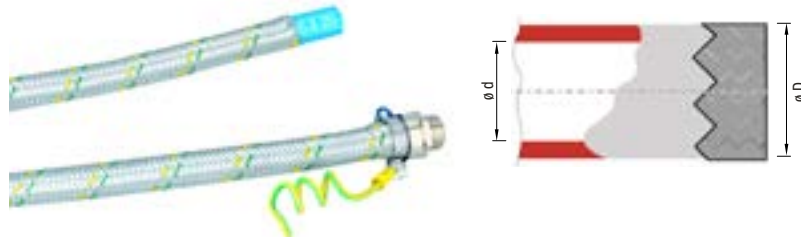
Double interlocking metal flexible conduits coated in smooth PVC



Classification  
 Manufactured in compliance with CEI EN61386-1 and CEI EN 61386-23  
 Significant classification codes: 4 4 3 1  
 Resistance to compression: Heavy (1250 N)  
 Resistance to impact: Heavy (6 J)  
 Tensile strength: Heavy (1000 N)  
 Suspended load capacity: Heavy (450 N)  
 Self-extinguishing: Flame Retardant  
 Protection degree: IP66/IP67

Electrical properties: electrical continuity guaranteed and insulating properties  
 Characteristics  
 Double interlocking flexible conduits made from a helical ribbon of Sendzimir continuous hot-dip zinc coated strip (UNI EN 10327 Standard), and externally coated in smooth and self-extinguishing PVC.  
 Resistant to most types of oils and grease, they present a good flexibility and a really good mechanical resistance when subjected to traction stresses.  
 Ambient temperature: +70/-15 °C

CODE	DIMENSIONS (mm)			BOX (m)
	Ø d	D	INCHES	
11.21.08.06.00001015	10,0	15,0	1/4"	50
11.21.08.06.00001218	12,0	18,0	3/8"	50
11.21.08.06.00001521	15,5	21,0	1/2"	50
11.21.08.06.00002027	20,5	27,0	3/4"	50
11.21.08.06.00002634	26,5	34,0	1"	25
11.21.08.06.00003543	35,0	43,0	1 ¼"	25
11.21.08.06.00004048	40,0	48,0	1 ½"	25
11.21.08.06.00005058	50,5	58,5	2"	25
11.21.08.06.00006374	63,0	74,0	2 ½"	12
11.21.08.06.00007584	75,0	84,0	3"	8
11.21.08.06.00100109	100,0	109,0	4"	8
11.21.08.07.00001015	10,0	15,0	1/4"	50
11.21.08.07.00001218	12,0	18,0	3/8"	50
11.21.08.07.00001521	15,5	21,0	1/2"	50
11.21.08.07.00002027	20,5	27,0	3/4"	50
11.21.08.07.00002634	26,5	34,0	1"	25
11.21.08.07.00003543	35,0	43,0	1 ¼"	25
11.21.08.07.00004048	40,0	48,0	1 ½"	25
11.21.08.07.00005058	50,5	58,5	2"	25
11.21.08.07.00006374	63,0	74,0	2 ½"	12
11.21.08.07.00007584	75,0	84,0	3"	8
11.21.08.07.00100109	100,0	109,0	4"	8



### Classification

Manufactured in compliance with CEI EN61386-1 and CEI EN 61386-23

Significant classification codes: 0 2 3 1

Resistance to impact: Light (1 J)

Self-extinguishing: flame retardant

Protection degree: IP67

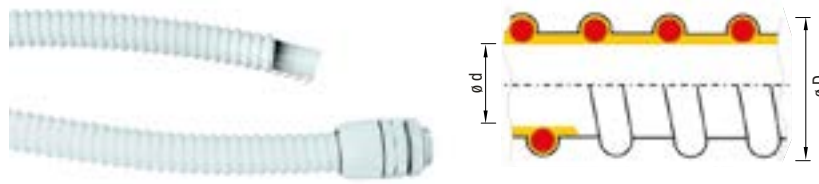
### Characteristics

PVC flexible conduits having an excellent resistance to most oils, greases and diluted acids and in particular to ageing. Protected with a braid of steel wire that offers high levels of protection against wear and tear.

Standard braiding: galvanized steel wire

Ambient Temperature: +70/-15 °C

CODE	DIMENSIONS (mm)		BOX (m)
	ø d	D	
11.22.02.11.00001015	10,0	15,0	50
11.22.02.11.00001217	12,0	17,0	50
11.22.02.11.00001521	15,0	21,0	50
11.22.02.11.00002027	20,0	27,0	50
11.22.02.11.00002735	27,0	35,0	25
11.22.02.11.00003645	36,0	45,0	25
11.22.02.11.00004050	40,0	50,0	25
11.22.02.11.00004757	47,0	57,0	25
11.22.02.11.00004758	58,0	70,0	25



**Classification**

Manufactured in compliance with CEI EN61386-1 and 61386-23

Significant classification codes: 1 3 1 1

Resistance to compression:  
Very light (120 N)

Resistance to impact: Medium (2 J)

Self-extinguishing: flame retardant

Protection degree: IP65

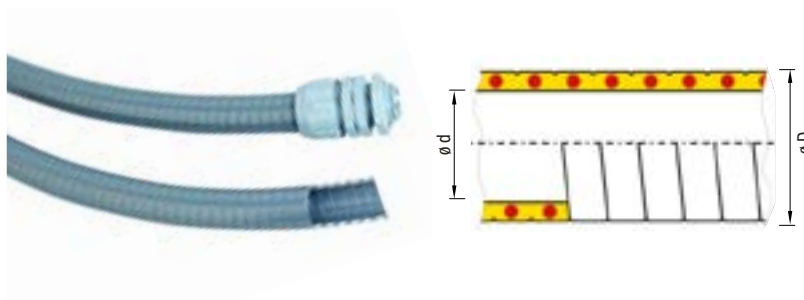
**Characteristics**

PVC plasticized flexible conduits, reinforced with rigid, impact-resistant helical PVC.

Resistant to most oils, greases and diluted acids and in particular to ageing. Internal surfaces are smooth and external surfaces are corrugated.

Ambient Temperature:  
+70/-15 °C

CODE	DIMENSIONS (mm)		BOX (m)
	Ø d	D	
11.22.09.06.00001014	10,0	14,7	30
11.22.09.06.00001216	12,0	16,4	30
11.22.09.06.00001217	13,0	17,5	50
11.22.09.06.00001218	15,0	19,5	50
11.22.09.06.00001620	16,0	20,7	30
11.22.09.06.00001621	17,0	21,5	50
11.22.09.06.00002024	20,0	24,7	30
11.22.09.06.00002025	21,0	26,0	50
11.22.09.06.00002530	25,0	30,6	30
11.22.09.06.00002531	28,0	33,0	25
11.22.09.06.00003238	32,0	38,0	30
11.22.09.06.00003239	37,5	43,5	25
11.22.09.06.00004046	40,0	46,4	30
11.22.09.06.00004047	45,0	51,0	25
11.22.09.06.00005057	50,0	57,2	30
11.22.09.06.00005058	52,0	59,0	25
11.22.09.06.00006068	60,0	68,0	30
11.22.09.07.00001014	10,0	14,7	30
11.22.09.07.00001216	12,0	16,4	30
11.22.09.07.00001217	13,0	17,5	50
11.22.09.07.00001218	15,0	19,5	50
11.22.09.07.00001620	16,0	20,7	30
11.22.09.07.00001621	17,0	21,5	50
11.22.09.07.00002024	20,0	24,7	30
11.22.09.07.00002025	21,0	26,0	50
11.22.09.07.00002530	25,0	30,6	30
11.22.09.07.00002531	28,0	33,0	25
11.22.09.07.00003238	32,0	38,0	30
11.22.09.07.00003239	37,5	43,5	25
11.22.09.07.00004046	40,0	46,4	30
11.22.09.07.00004047	45,0	51,0	25
11.22.09.07.00005057	50,0	57,2	30
11.22.09.07.00005058	52,0	59,0	25
11.22.09.07.00006068	60,0	68,0	30



Classification

Manufactured in compliance with CEI EN61386-1 and 61386-23

Significant classification codes: 2 3 1 1

Resistance to compression: Light (320 N)

Resistance to impact: Medium (2 J)

Self-extinguishing: flame retardant

Protection degree: IP65

Characteristics

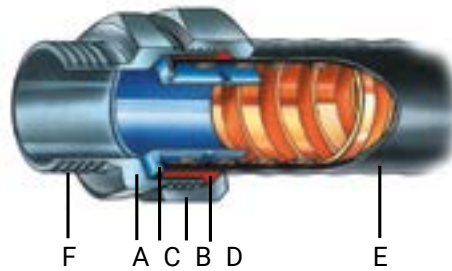
Extra thick, plasticized PVC plasticized flexible conduits, reinforced with rigid, impact-resistant helical PVC.

Resistant to most oils, greases and diluted acids and in particular to ageing. Both internal and external surfaces are smooth.

Ambient Temperature: +70/-15 °C

CODE	DIMENSIONS (mm)		BOX (m)
	$\varnothing d$	D	
11.22.10.07.00001014	10,0	14,0	30
11.22.10.07.00001216	12,0	16,4	30
11.22.10.07.00001620	16,0	20,7	30
11.22.10.07.00002024	20,0	24,7	30
11.22.10.07.00002833	28,0	33,5	30
11.22.10.07.00003541	35,0	41,0	30
11.22.10.07.00004046	40,0	46,4	30
11.22.10.07.00004047	45,0	51,0	25
11.22.10.07.00005057	50,0	57,2	30





A: Nickel plated brass connector body  
 B: Nickel plated brass tightening nut  
 C: Galvanised "zamak" metallic contact base  
 D: Nylon locking bushing  
 E: Flexible conduits  
 F: Thread

Classification  
 Manufactured in compliance with CEI EN 61386  
 Tensile strength: Heavy (1000N)  
 Suspend load capacity: Heavy (450N)

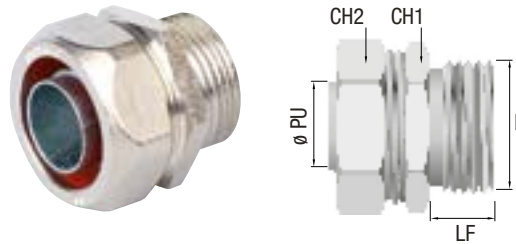
Protection degree:  
 IP67  
 IP65 for connectors with threads bigger than 2"  
 Electrical properties: Electrical continuity guaranteed  
 Ambient Temperature:  
 +70/-15°C

**Characteristics**

Made of brass which is then nickel plated in order to improve resistance to the harsh environmental conditions in which they are to be used.

The connector is coupled to the flexible conduit by means of a base that is screwed into the conduit in order to guarantee both high levels of resistance against traction and electrical continuity as required by CEI standards. The external locking of the flexible conduit is ensured by a nylon truncated conical shaped bushing that guarantees an IP 67 rating water tightness (IMQ Report n°1381) To cope with different installation requirements, the following types are produced: fixed male, swivelling male and fixed female. Suggested threads are: ISO metric in compliance with CEI EN 60423 (IEC60423), UNI ISO 228 GAS cylindrical, ISO 7/1 (ex UNI339) GAS tapered, PG in accordance with DIN 40430, and with an NP ANSI B2.1 thread.

The particular care and attention that goes into producing these connectors ensures a perfect fitting of cables without any risk of coating damage

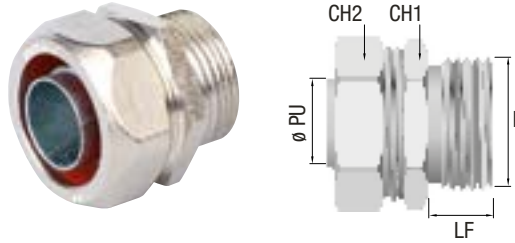


Ambient Temperature: +70/-15°C

CODE	ISO METRIC						
	DIMENSIONS (mm)						BOX/PCS
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.11.12.00000101	10,0	M16 X 1,5	8,5	22	24	10	20
11.23.11.12.00000102	12,0	M16 X 1,5	10,0	24	26	10	50
11.23.11.12.00000103	15,5	M16 X 1,5	12,0	28	30	10	40
11.23.11.12.00000105	15,5	M20 X 1,5	13,8	28	30	10	40
11.23.11.12.00000106	20,5	M20 X 1,5	16,0	35	37	10	20
11.23.11.12.00000107	20,5	M25 X 1,5	18,0	35	37	12	20
11.23.11.12.00000108	26,5	M25 X 1,5	20,0	42	45	12	15
11.23.11.12.00000109	26,5	M32 X 1,5	24,0	42	45	13	15
11.23.11.12.00000110	40,0	M40 X 1,5	34,0	58	61	18	5
11.23.11.12.00000111	35,0	M40 X 1,5	32,0	50	52	10	5
11.23.11.12.00000112	50,5	M50 X 1,5	44,0	70	74	18	5
11.23.11.12.00000113	40,0	M50 X 1,5	38,0	58	61	18	5
11.23.11.12.00000114	50,5	M63 X 1,5	48,0	70	74	18	1

Ambient Temperature: +70/-15°C

CODE	PG						
	DIMENSIONS (mm)						BOX/PCS
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.11.12.00000116	10,0	07	8,5	22	24	9	50
11.23.11.12.00000117	10,0	09	8,5	22	24	9	10
11.23.11.12.00000118	10,0	11	8,5	22	24	9	10
11.23.11.12.00000119	10,0	13	8,5	22	24	9	10
11.23.11.12.00000120	12,0	09	10,0	24	26	9	10
11.23.11.12.00000121	12,0	11	10,0	24	26	9	10
11.23.11.12.00000122	12,0	13,5	10,0	24	26	9	50
11.23.11.12.00000123	12,0	16	10,0	24	26	9	10
11.23.11.12.00000124	15,5	13,5	13,8	28	30	10	50
11.23.11.12.00000125	15,5	16	13,8	28	30	9	50
11.23.11.12.00000126	20,5	16	16,0	35	37	9	10
11.23.11.12.00000127	20,5	21	18,0	35	37	9	20
11.23.11.12.00000128	26,5	29	24,0	42	45	12	15
11.23.11.12.00000129	35,0	36	32,0	50	52	12	10
11.23.11.12.00000130	40,0	42	38,0	58	61	18	5
11.23.11.12.00000131	50,5	48	48,0	70	74	18	5



Ambient Temperature: +70/-15°C

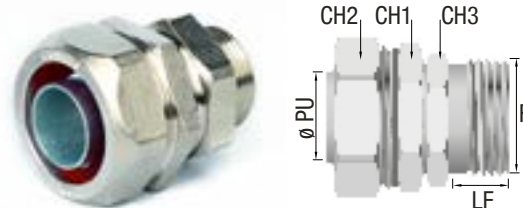
CODE	ISO 228						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.11.12.00000133	10,0	1/4"	8,5	22	24	8,5	50
11.23.11.12.00000135	10,0	3/8"	8,5	22	24	8,5	10
11.23.11.12.00000136	12,0	3/8"	10,0	24	26	8,5	50
11.23.11.12.00000137	12,0	1/2"	10,0	24	26	8,5	50
11.23.11.12.00000138	15,5	1/2"	13,8	28	30	10,0	50
11.23.11.12.00000139	20,5	3/4"	18,0	35	37	12,0	20
11.23.11.12.00000140	26,5	1"	24,0	42	45	13,0	15
11.23.11.12.00000141	35,0	1 ¼"	32,0	50	52	14,0	10
11.23.11.12.00000142	35,0	1 ½"	32,0	50	52	10,0	10
11.23.11.12.00000143	40,0	1 ½"	38,0	58	61	18,0	5
11.23.11.12.00000144	50,5	2"	48,0	70	74	18,0	5
11.23.11.12.00000145	63,0	2 ½"	59,5	94	94	26,0	1
11.23.11.12.00000146	75,0	3"	71,0	104	104	25,0	1
11.23.11.12.00000147	100,0	4"	95,0	129	129	30,0	1

Ambient Temperature: +70/-15°C

CODE	NPT						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.11.12.00000153	15,5	1/2"	13,8	28	30	13,5	50
11.23.11.12.00000154	20,5	3/4"	18,0	35	37	14,5	20
11.23.11.12.00000155	26,5	1"	24,0	42	45	19,0	15
11.23.11.12.00000156	35,0	1 ¼"	32,0	50	52	19,0	10
11.23.11.12.00000157	40,0	1 ½"	38,0	58	61	20,5	5
11.23.11.12.00000158	50,5	2"	48,0	70	74	22,0	5
11.23.11.12.00000159	63,0	2 ½"	59,5	94	94	26,0	1
11.23.11.12.00000160	75,0	3"	71,0	104	104	25,0	1
11.23.11.12.00000161	100,0	4"	95,0	129	129	30,0	1

Ambient Temperature: +70/-15°C

CODE	ISO 7/1						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.11.12.00000163	15,5	1/2"	13,8	28	30	13,5	30
11.23.11.12.00000164	20,5	3/4"	18,0	35	37	14,5	20
11.23.11.12.00000165	26,5	1"	24,0	42	45	19,0	15
11.23.11.12.00000166	35,0	1 ¼"	32,0	50	52	20,5	10
11.23.11.12.00000167	40,0	1 ½"	38,0	58	61	20,5	5
11.23.11.12.00000168	50,5	2"	48,0	70	74	22,0	5
11.23.11.12.00000169	63,0	2 ½"	59,5	94	94	26,0	1
11.23.11.12.00000170	75,0	3"	71,0	104	104	25,0	1
11.23.11.12.00000171	100,0	4"	95,0	129	129	30,0	1

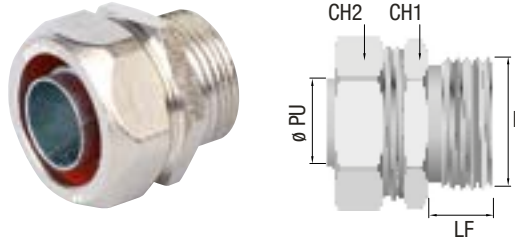


Ambient Temperature: +70/-15°C

CODE	ISO METRIC							
	DIMENSIONS (mm)							BOX/PCS
	Ø d	F	Ø PU	CH1	CH2	CH3	LF	
11.23.12.12.00000100	10,0	M16 X 1,5	8,5	22	24	10	20	30
11.23.12.12.00000101	12,0	M16 X 1,5	10,0	24	26	10	22	30
11.23.12.12.00000102	15,5	M16 X 1,5	12,5	27	29	10	-	50
11.23.12.12.00000103	12,0	M20 X 1,5	10,0	24	26	10	-	50
11.23.12.12.00000104	15,5	M20 X 1,5	13,8	28	30	10	26	10
11.23.12.12.00000105	20,5	M20 X 1,5	16,5	33	35	10	-	25
11.23.12.12.00000106	20,5	M25 X 1,5	18,0	35	37	10	32	20
11.23.12.12.00000107	26,5	M25 X 1,5	21,5	43	45	10	-	15
11.23.12.12.00000108	26,5	M32 X 1,5	24,0	42	45	13	39	10
11.23.12.12.00000109	35,0	M40 X 1,5	32,0	50	52	14	50	7
11.23.12.12.00000110	40,0	M50 X 1,5	38,0	58	61	18	55	5
11.23.12.12.00000111	50,5	M63 X 1,5	48,0	70	74	18	70	1

Ambient Temperature: +70/-15°C

CODE	PG							
	DIMENSIONS (mm)							BOX/PCS
	Ø d	F	Ø PU	CH1	CH2	CH3	LF	
11.23.12.12.00000112	12,0	09	10,0	24	26	10	22	30
11.23.12.12.00000113	10,0	09	8,5	22	24	9	20	30
11.23.12.12.00000114	12,0	11	10,0	24	26	10	22	30
11.23.12.12.00000115	12,0	13,5	10,0	24	26	10	22	30
11.23.12.12.00000116	15,5	13,5	13,8	28	30	10	26	30
11.23.12.12.00000117	15,5	16	13,8	28	30	10	26	30
11.23.12.12.00000118	20,5	21	18,0	35	37	13	32	20
11.23.12.12.00000119	26,5	29	24,0	42	45	13	40	10
11.23.12.12.00000120	35,0	36	32,0	50	52	14	50	7
11.23.12.12.00000121	40,0	42	38,0	58	61	18	55	5
11.23.12.12.00000122	50,5	48	48,0	70	74	18	70	5



Ambient Temperature: +70/-15°C

CODE	ISO 228						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.12.12.00000123	10,0	1/4"	8,5	22	24	9	30
11.23.12.12.00000124	10,0	3/8"	8,5	22	24	9	30
11.23.12.12.00000125	12,0	3/8"	10,0	24	26	10	30
11.23.12.12.00000126	12,0	1/2"	10,0	24	26	10	50
11.23.12.12.00000127	15,5	1/2"	13,8	28	30	10	30
11.23.12.12.00000128	20,5	3/4"	18,0	35	37	10	20
11.23.12.12.00000129	26,5	1"	24,0	42	45	13	15
11.23.12.12.00000130	35,0	1 ¼"	32,0	50	52	14	7
11.23.12.12.00000131	40,0	1 ½"	38,0	58	61	18	5
11.23.12.12.00000132	50,5	2"	48,0	70	74	18	5
11.23.12.12.00000133	63,0	2 ½"	59,5	94	94	25	1
11.23.12.12.00000134	75,0	3"	71,0	104	104	25	1
11.23.12.12.00000135	100,0	4"	95,0	129	129	28	1

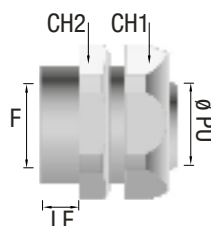
Ambient Temperature: +70/-15°C

CODE	NPT						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.12.12.00000136	15,5	1/2"	13,8	28	30	13,5	30
11.23.12.12.00000137	20,5	3/4"	18,0	35	37	14,5	20
11.23.12.12.00000138	26,5	1"	24,0	42	45	19,0	10
11.23.12.12.00000139	35,0	1 ¼"	32,0	50	52	20,5	1
11.23.12.12.00000140	40,0	1 ½"	38,0	58	61	20,5	5
11.23.12.12.00000141	50,5	2"	48,0	70	74	22,0	1
11.23.12.12.00000142	63,0	2 ½"	59,5	94	94	25,0	1
11.23.12.12.00000143	75,0	3"	71,0	104	104	25,0	1
11.23.12.12.00000144	100,0	4"	95,0	129	129	28,0	1

Ambient Temperature: +70/-15°C

CODE	ISO 7/1						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.12.12.00000145	15,5	1/2"	13,8	28	30	13,5	30
11.23.12.12.00000146	20,5	3/4"	18,0	35	37	14,5	20
11.23.12.12.00000147	26,5	1"	24,0	42	45	19,0	10
11.23.12.12.00000148	35,0	1 ¼"	32,0	50	52	20,5	5
11.23.12.12.00000149	40,0	1 ½"	38,0	58	61	20,5	5
11.23.12.12.00000150	50,5	2"	48,0	70	74	22,0	1
11.23.12.12.00000151	63,0	2 ½"	59,5	94	94	25,0	1
11.23.12.12.00000152	75,0	3"	71,0	104	104	25,0	1
11.23.12.12.00000153	100,0	4"	95,0	129	129	28,0	1

Fixed female connectors for coupling rigid threadable conduits to metal flexible conduits



Ambient Temperature: +70/-15°C

CODE	ISO METRIC						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.13.12.00000100	10,0	M16 X 1,5	8,5	22	24	12,0	20
11.23.13.12.00000101	12,0	M16 X 1,5	10,0	24	26	13,0	10
11.23.13.12.00000102	15,5	M16 X 1,5	13,8	28	30	14,5	50
11.23.13.12.00000103	15,5	M20 X 1,5	13,8	28	30	14,5	50
11.23.13.12.00000104	20,5	M20 X 1,5	18,0	35	37	14,0	20
11.23.13.12.00000105	20,5	M25 X 1,5	18,0	35	37	16,0	20
11.23.13.12.00000106	26,5	M25 X 1,5	23,0	42	45	16,0	15
11.23.13.12.00000107	26,5	M32 X 1,5	24,0	42	45	16,0	15
11.23.13.12.00000108	35,0	M32 X 1,5	30,0	50	52	17,0	10
11.23.13.12.00000109	40,0	M40 X 1,5	38,0	58	61	20,0	5
11.23.13.12.00000110	35,0	M40 X 1,5	32,0	50	52	17,0	15
11.23.13.12.00000111	50,5	M50 X 1,5	48,0	70	74	20,5	5
11.23.13.12.00000112	40,0	M50 X 1,5	38,0	58	61	23,0	5
11.23.13.12.00000113	50,5	M63 X 1,5	48,0	70	74	45,0	1

Ambient Temperature: +70/-15°C

CODE	ISO 228						BOX/PCS
	DIMENSIONS (mm)						
	Ø d	F	Ø PU	CH1	CH2	LF	
11.23.13.12.00000114	10,0	1/4"	8,5	-	22	10	50
11.23.13.12.00000115	10,0	3/8"	8,5	22	24	11,0	50
11.23.13.12.00000116	12,0	3/8"	10,0	24	26	11,0	10
11.23.13.12.00000117	15,5	3/8"	13,8	28	30	13,0	50
11.23.13.12.00000118	12,0	1/2"	10,0	-	26	10,0	50
11.23.13.12.00000119	15,5	1/2"	13,8	28	30	14,5	50
11.23.13.12.00000120	20,5	3/4"	18,0	35	37	13,0	20
11.23.13.12.00000121	26,5	1"	24,0	42	45	14,0	15
11.23.13.12.00000122	35,0	1 ¼"	32,0	50	52	13,0	10
11.23.13.12.00000123	40,0	1 ½"	38,0	58	61	20,0	5
11.23.13.12.00000124	50,5	2"	48,0	70	74	20,0	1
11.23.13.12.00000125	63,0	2 ½"	59,5	94	94	26,0	1
11.23.13.12.00000126	75,0	3"	71,0	104	104	28,0	1
11.23.13.12.00000127	100,0	4"	95,0	129	129	30,0	1



**Classification**

Manufactured in compliance with CEI EN61386-1, CEI EN 61386-21, CEI EN 60423 Standards.

Significant classification codes: 5 5 4 5

Resistance to compression: Very Heavy (4000 N)

Resistance to impact: Very Heavy (20 J)

Tensile strength: Heavy (1000 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP66/IP67

Corrosion Resistance: 2 (Medium)

Electrical properties: Electrical continuity guaranteed

EMC Shielding in compliance with IEC TS 61587: 30-230 MHz. Level 2 (Minimum abatement 50 dB)

**Characteristics**

Electro-coupled conduits made from Sendzimir continuous hot-dip zinc coated sheet (UNI EN 10327) with zinc facing on welding area, subject to IMQ and VDE controls. The reduced internal welding and absence of sharp edges allow cables to slide through smoothly without risk of their coating being damaged. The electrical continuity and air/water-tight seal of the system are guaranteed through the use of the connectors indicated in the chart to the right (all approvals are based on the closed system to certify conformity of the conduit/connector as a whole). They offer good protection against electro-magnetic interference on a wide frequency band.

Non-threadable conduits suitable for cold bending, including with limited radius (2,5-3 times conduit Ø).

Conduit lengths: 3000 mm (0 / +2 mm) and 4000mm (0 / -50 mm).

Ambient Temperature: +70/-15 °C

CODE	Ø D	THICKNESS (MM)	LENGHT (m)	BOX (m)
11.21.15.03.00000163	16	1,0	3	45
11.21.15.03.00000203	20	1,0	3	45
11.21.15.03.00000253	25	1,2	3	30
11.21.15.03.00000323	32	1,2	3	24
11.21.15.03.00000403	40	1,2	3	15
11.21.15.03.00000503	50	1,2	3	15
11.21.15.03.00000633	63	1,5	3	9
11.21.15.03.00000164	16	1,0	4	60
11.21.15.03.00000204	20	1,0	4	40
11.21.15.03.00000254	25	1,2	4	40
11.21.15.03.00000324	32	1,2	4	20
11.21.15.03.00000404	40	1,2	4	20
11.21.15.03.00000504	50	1,2	4	16
11.21.15.03.00000634	63	1,5	4	



### Classification

Manufactured in compliance with CEI EN61386-1, CEI EN 61386-21, CEI EN 60423 Standards.

Significant classification codes: 5 5 4 5

Resistance to compression: Very Heavy (4000 N)

Resistance to impact: Very Heavy (20 J)

Tensile strength: Heavy (1000 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP66/IP67

Corrosion Resistance: 2 (Medium)

Electrical properties: Electrical continuity guaranteed

EMC Shielding in compliance with IEC TS 61587: 30-230 MHz Level 2 (Minimum abatement 50 dB)

### Characteristics

Electro-coupled conduits made from Sendzimir continuous hot-dip zinc coated sheet (UNI EN 10327) with zinc facing on welding area, subject to IMQ and VDE controls.

The reduced internal welding and absence of sharp edges allow cables to slide through smoothly without risk of their coating being damaged. Particulars are threadable with Isometric screw in accordance with CEI EN 60423 Standard only.

The electrical continuity and air/water-tight seal of the system are guaranteed through the use of the connectors indicated in the chart to the right (all approvals are based on the closed system to certify conformity of the conduit/connector as a whole).

They offer good protection against electro-magnetic interference on a wide frequency band.

Non-threadable conduits suitable for cold bending, including with limited

radius (2,5-3 times conduit Ø).

Conduit lengths: 3000 mm (0 / +2 mm)

Ambient Temperature: +70/-15 °C

CODE	Ø D	THICKNESS (MM)	LENGHT (m)	BOX (m)
11.21.16.03.00000016	16	1,5	3	45
11.21.16.03.00000020	20	1,5	3	30
11.21.16.03.00000025	25	1,5	3	30
11.21.16.03.00000032	32	1,5	3	21
11.21.16.03.00000040	40	1,5	3	15
11.21.16.03.00000050	50	1,5	3	12





**Classification**

Manufactured in compliance with CEI EN61386-1, CEI EN 61386-21, CEI EN 60423 Standards.

Significant classification codes: 5 5 4 5

Resistance to compression:  
Very Heavy (4000 N)

Resistance to impact: Very Heavy (20 J)

Tensile strength: Heavy (1000 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP66/67

Corrosion Resistance: 4 (High)

Electrical properties: Electrical continuity guarantee

**Characteristics**

Electro-coupled conduits made from sheets of AISI 304 (X5CrNi1810 1.4301 UNI EN 10088-1) uniformly brushed stainless steel, in order to obtain a good surface finishing.

The removed inner welding allows for perfect cable sliding without any coating damage risk.

Non-threadable conduits suitable for cold bending, including with limited radius (2,5-3 times conduit Ø).

Conduit lengths: 4000 mm (0 / +2 mm)

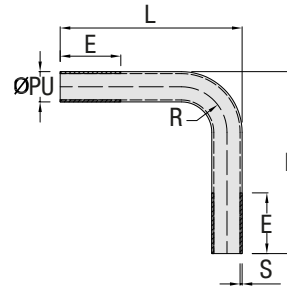
Conduits with different dimensions are available on customer request.

Ambient Temperature: +70/-15 °C

CODE	AISI 304			
	Ø D	THICKNESS (MM)	LENGHT (m)	BOX (m)
11.21.15.13.00000016	16	1,0	4	40
11.21.15.13.00000020	20	1,0	4	40
11.21.15.13.00000025	25	1,2	4	40
11.21.15.13.00000032	32	1,2	4	20
11.21.15.13.00000040	40	1,2	4	20
11.21.15.13.00000050	50	1,2	4	16
11.21.15.13.00000063	63	1,5	4	9

CODE	AISI 316L			
	Ø D	THICKNESS (MM)	LENGHT (m)	BOX (m)
11.21.15.26.00000016	16	1,0	3	40
11.21.15.26.00000020	20	1,0	3	40
11.21.15.26.00000025	25	1,2	3	40
11.21.15.26.00000032	32	1,2	3	20
11.21.15.26.00000040	40	1,2	3	20
11.21.15.26.00000050	50	1,2	3	16
11.21.15.26.00000063	63	1,5	3	9

90° Non-threading elbows made from rigid metal conduit



Classification

Manufactured in compliance with CEI EN61386-1 and 61386-21 standards

Protection degree: IP67

Electrical properties: Electrical continuity guarantee

Characteristics

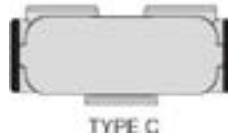
Elbows made from galvanized steel conduit and made from stainless steel conduit.

The bending radius is 2,5 times as big as the diameter and it allows to keep the conduits section uniform.

The mouth-pieces finishing is done with the greatest care, in order to ensure a perfect nest of cables without any damages to the coating. Usually they are used when particular needs of application do not allow the conduits bending itself.

CODE	CONDUIT Ø D (mm)	THICKNESS (mm)	DIMENSIONS (mm)				BOX/PCS
			Ø PU	E	L	R	
11.20.22.03.00000100	16	1,0	14,0	100	155	40,0	5
11.20.22.03.00000101	20	1,0	18,0	100	160	50,0	5
11.20.22.03.00000102	25	1,2	22,5	100	180	62,5	5
11.20.22.03.00000103	32	1,2	29,5	100	210	80,0	5
11.20.22.03.00000104	40	1,2	37,5	100	220	100,0	5
11.20.22.03.00000105	50	1,2	47,5	150	300	125,0	1
11.20.22.03.00000106	63	1,5	60,0	170	450	230,0	1
11.20.22.13.00000107	16	1,0	14,0	100	154	46,0	5
11.20.22.13.00000108	20	1,0	18,0	100	177	67,0	5
11.20.22.13.00000109	25	1,2	22,5	100	195	82,0	5
11.20.22.13.00000110	32	1,2	29,5	100	228	112,0	5
11.20.22.13.00000111	40	1,2	37,5	100	310	190,0	5
11.20.22.13.00000112	50	1,2	47,5	150	450	250,0	1
11.20.22.26.00000113	20	1,0	18,0	100	177	67,0	5
11.20.22.26.00000114	25	1,2	22,5	100	195	82,0	5
11.20.22.26.00000115	32	1,2	29,5	100	228	112,0	5
11.20.22.26.00000116	40	1,2	37,5	100	310	190,0	5
11.20.22.26.00000117	50	1,2	47,5	175	450	250,0	1

Pulling boxes (condulet) 2 entries type "C"



**Protection degree:** Waterproof IP66

**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00000	1/2"
08.10.04.01.01.00001	3/4"
08.10.04.01.01.00002	1"
08.10.04.01.01.00003	1 ½"
08.10.04.01.01.00004	2"

CODE	NPT
	SIZE
08.10.02.01.01.00000	1/2"
08.10.02.01.01.00001	3/4"
08.10.02.01.01.00002	1"
08.10.02.01.01.00003	1 ½"
08.10.02.01.01.00004	2"

Pulling boxes (condulet) 2 entries type "LL"



**Protection degree:** Waterproof IP66

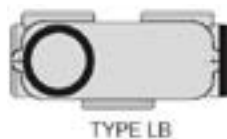
**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00010	1/2"
08.10.04.01.01.00011	3/4"
08.10.04.01.01.00012	1"
08.10.04.01.01.00013	1 ½"
08.10.04.01.01.00014	2"

CODE	NPT
	SIZE
08.10.02.01.01.00010	1/2"
08.10.02.01.01.00011	3/4"
08.10.02.01.01.00012	1"
08.10.02.01.01.00013	1 ½"
08.10.02.01.01.00014	2"

Pulling boxes (condulet) 2 entries type "LB"



**Protection degree:** Waterproof IP66

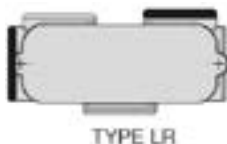
**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00005	1/2"
08.10.04.01.01.00006	3/4"
08.10.04.01.01.00007	1"
08.10.04.01.01.00008	1 1/2"
08.10.04.01.01.00009	2"

CODE	NPT
	SIZE
08.10.02.01.01.00005	1/2"
08.10.02.01.01.00006	3/4"
08.10.02.01.01.00007	1"
08.10.02.01.01.00008	1 1/2"
08.10.02.01.01.00009	2"

Pulling boxes (condulet) 2 entries type "LR"



**Protection degree:** Waterproof IP66

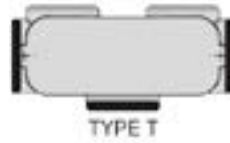
**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00015	1/2"
08.10.04.01.01.00016	3/4"
08.10.04.01.01.00017	1"
08.10.04.01.01.00018	1 1/2"
08.10.04.01.01.00019	2"

CODE	NPT
	SIZE
08.10.02.01.01.00015	1/2"
08.10.02.01.01.00016	3/4"
08.10.02.01.01.00017	1"
08.10.02.01.01.00018	1 1/2"
08.10.02.01.01.00019	2"

Pulling boxes (condulet) 3 entries type "T"



**Protection degree:** Waterproof IP66

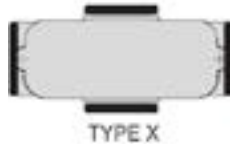
**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00020	1/2"
08.10.04.01.01.00021	3/4"
08.10.04.01.01.00022	1"
08.10.04.01.01.00023	1 ½"
08.10.04.01.01.00024	2"

CODE	NPT
	SIZE
08.10.02.01.01.00020	1/2"
08.10.02.01.01.00021	3/4"
08.10.02.01.01.00022	1"
08.10.02.01.01.00023	1 ½"
08.10.02.01.01.00024	2"

Pulling boxes (condulet) 4 entries type "X"



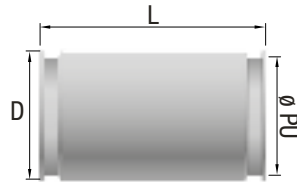
**Protection degree:** Waterproof IP66

**Applicable standards:** EN 60529

**Material:** Aluminium

CODE	ISO 228
	SIZE
08.10.04.01.01.00025	1/2"
08.10.04.01.01.00026	3/4"
08.10.04.01.01.00027	1"
08.10.04.01.01.00028	1 ½"
08.10.04.01.01.00029	2"

CODE	NPT
	SIZE
08.10.02.01.01.00025	1/2"
08.10.02.01.01.00026	3/4"
08.10.02.01.01.00027	1"
08.10.02.01.01.00028	1 ½"
08.10.02.01.01.00029	2"



### Classification

Manufactured in compliance with CEI EN 61386-1

Significant classification codes: 5 5 4 5

Tensile strength: Heavy (1000 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP66/IP67

Corrosion Resistance: 2 (Medium)

Electrical properties: Electrical continuity guarantee

### Characteristics

Made of brass which is then nickel plated in order to improve resistance in face of the hard environmental conditions in which they are going to be used. Certified products, they are under the IMQ and VDE Quality Mark controls.

The connector is coupled to the conduit by means of a patented device consisting of a system of steel balls. Electrical continuity is guaranteed in time because the ball bearings do not scratch the galvanization on the conduit, which prevents possible areas of oxidation.

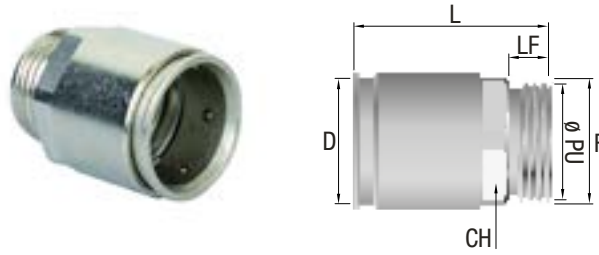
The system's IP67 seal is guaranteed by a toroidal seal inserted into the conduit; to ensure that this requisite is met, a number of elementary instructions must be followed:

- The conduit must be cut orthogonally and burrs removed to avoid damage to the seal and cable coating during insertion;
- Join the two pieces by pushing the conduit that is inserted and gently rotate to overcome seal resistance.

Suggested threads are: Iso Metric in compliance with CEI EN 60423 Standard (in accordance with CEI EN 61386 Standard) and cylindrical GAS UNI ISO 228.

Ambient Temperature: +70/-15 °C

CODE	Ø D	DIMENSIONS (mm)			BOX/PCS
		Ø PU	D	L	
11.24.17.12.00000016	16	15	23	58	8
11.24.17.12.00000020	20	19	27	58	8
11.24.17.12.00000025	25	24	32	58	5
11.24.17.12.00000032	32	31	39	63	4
11.24.17.12.00000040	40	38	50	80	5
11.24.17.12.00000050	50	48	60	80	5
11.24.17.12.00000063	63	61	75	84	1

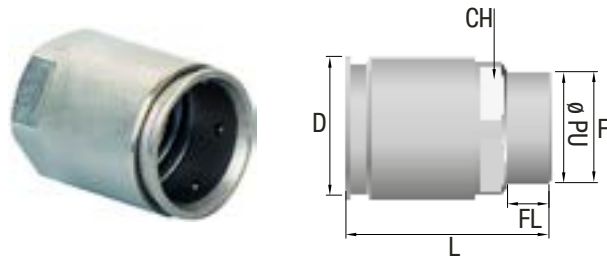


Ambient Temperature: +70/-15 °C

CODE	ISO METRIC (CONDUIT - BOX)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)				Ø PU	
	Ø D	F	CH	LF	D	L		
11.24.18.12.00000100	16	M16X1,5	12,7	20	10	26	41	8
11.24.18.12.00000101	20	M20X1,5	16,0	24	10	27	41	8
11.24.18.12.00000102	25	M25X1,5	21,0	29	10	32	41	5
11.24.18.12.00000103	32	M32X1,5	27,5	37	12	39	46	4
11.24.18.12.00000104	40	M40X1,5	35,0	46	14	50	57	5
11.24.18.12.00000105	50	M50X1,5	45,0	55	14	60	57	5
11.24.18.12.00000106	63	M63X1,5	55,0	75	14	75	68	1

Ambient Temperature: +70/-15 °C

CODE	ISO 228 (CONDUIT - BOX)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)				Ø PU	
	Ø D	F	CH	LF	D	L		
11.24.18.12.00000107	16	3/8"	12,7	20	10	26	41	8
11.24.18.12.00000108	20	1/2"	16,0	24	10	27	41	8
11.24.18.12.00000109	25	3/4"	21,0	29	10	32	41	5
11.24.18.12.00000110	32	1"	27,5	37	12	39	46	4
11.24.18.12.00000111	40	1 ¼"	36,0	46	14	50	57	5
11.24.18.12.00000112	50	1 ½"	42,0	55	14	60	57	5

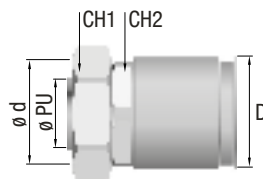


Ambient Temperature: +70/-15 °C

CODE	ISO METRIC (CONDUIT - FEMALE THREAD)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)				Ø PU	
	Ø D	F	CH	LF	D	L		
11.24.19.12.00000100	16	M16X1,5	14,5	20	10,0	26	39	8
11.24.19.12.00000101	20	M20X1,5	18,5	24	10,0	27	39	8
11.24.19.12.00000102	25	M25X1,5	23,5	29	10,0	32	39	5
11.24.19.12.00000103	32	M32X1,5	30,5	37	12,0	39	44	4
11.24.19.12.00000104	40	M40X1,5	38,5	46	15,0	50	58	5
11.24.19.12.00000105	50	M50X1,5	48,5	55	15,0	60	58	5
11.24.19.12.00000106	63	M63X1,5	60,0	75	21,5	75	67	1

Ambient Temperature: +70/-15 °C

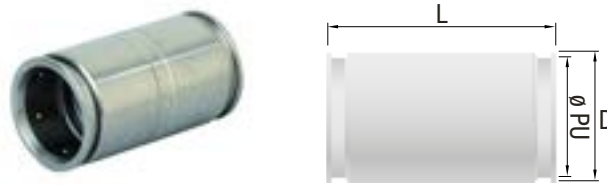
CODE	ISO METRIC (CONDUIT - FEMALE THREAD)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)				Ø PU	
	Ø D	F	CH	LF	D	L		
11.24.19.12.00000107	16	3/8"	15,0	20	12	26	41	8
11.24.19.12.00000108	20	1/2"	18,9	24	12	27	41	8
11.24.19.12.00000109	25	3/4"	24,5	29	12	32	41	5
11.24.19.12.00000110	32	1"	31,0	37	12	39	46	4
11.24.19.12.00000111	40	1 ¼"	38,0	46	15	50	58	5
11.24.19.12.00000112	50	1 ½"	45,1	55	15	60	58	5



Ambient Temperature: +70/-15 °C

CODE	RIGID CONDUIT - FLEXIBLE CONDUIT						BOX/PCS
	CONDUIT (mm)	FLEXIBLE CONDUIT (mm)	DIMENSIONS (mm)				
	Ø D	Ø d	Ø PU	CH1	CH2	D	
11.24.20.12.00000016	16	10,0	8,5	24	24	27	25
11.24.20.12.00000017	16	12,0	10,0	24	26	29	25
11.24.20.12.00000018	16	15,5	13,8	28	30	33	25
11.24.20.12.00000020	20	15,5	13,8	28	30	33	25
11.24.20.12.00000021	20	20,5	18,0	35	37	40	15
11.24.20.12.00000025	25	20,5	18,0	35	37	40	15
11.24.20.12.00000026	25	26,5	23,0	42	45	50	10
11.24.20.12.00000032	32	26,5	24,0	42	45	50	10
11.24.20.12.00000033	32	35,0	30,0	50	52	55	5
11.24.20.12.00000040	40	40,0	38,0	58	61	64	5
11.24.20.12.00000041	40	35,0	32,0	58	52	55	5
11.24.20.12.00000050	50	40,0	38,0	58	61	64	5
11.24.20.12.00000051	50	50,5	48,0	70	74	78	5
11.24.20.12.00000063	63	50,5	48,0	75	74	78	1





**Classification**

Manufactured in compliance with CEI EN 61386

Significant classification codes: 5 5 4 5

Tensile strength: Heavy (1000 N)

Suspended load capacity: Heavy (450 N)

Protection degree: IP66/IP67

Corrosion Resistance: 4 (High)

Electrical properties: Electrical continuity guarantee

**Characteristics**

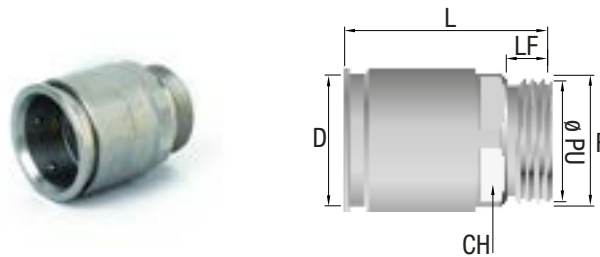
Made in AISI 316L EN 1.4404 stainless steel and designed for use in situations where traditional nickel-plated brass fitting are considered to be insufficiently resistant to the environmental conditions.

The operating characteristics are identical to nickel-plated brass fittings.

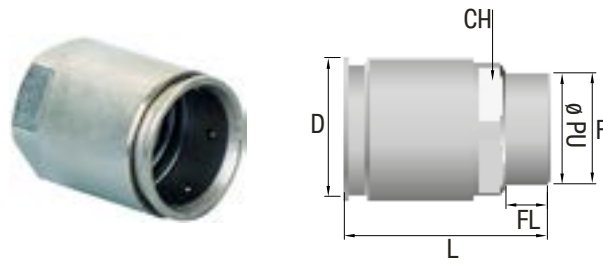
The thread is ISO Metric and complies with CEI EN 60423

Ambient Temperature: +70/-15 °C

CODE	UNION CONDUIT					BOX/PCS
	CONDUIT (mm)	DIMENSIONS (mm)			Ø PU	
	Ø D	D	L			
11.24.17.15.00000016	16	24	58	15	8	
11.24.17.15.00000020	20	28	58	19	8	
11.24.17.15.00000025	25	32	58	24	5	
11.24.17.15.00000032	32	40	60	31	4	
11.24.17.15.00000040	40	50	76	38	5	
11.24.17.15.00000050	50	60	76	48	5	

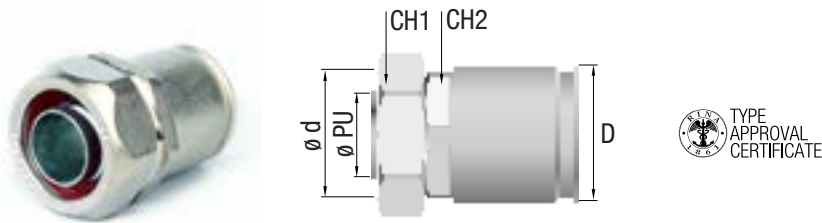


CODE	ISO METRIC (CONDUIT - BOX)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)				Ø PU	
	Ø D	F	CH	LF	D	L		
11.24.18.15.00000016	16	M16X1,5	20	10	24	43	12,7	8
11.24.18.15.00000020	20	M20X1,5	24	10	28	43	16,0	8
11.24.18.15.00000025	25	M25X1,5	29	10	32	43	21,0	5
11.24.18.15.00000032	32	M32X1,5	37	12	40	47	27,5	4
11.24.18.15.00000040	40	M40X1,5	46	14	52	55	35,0	5
11.24.18.15.00000050	50	M50X1,5	55	14	62	55	45,0	5



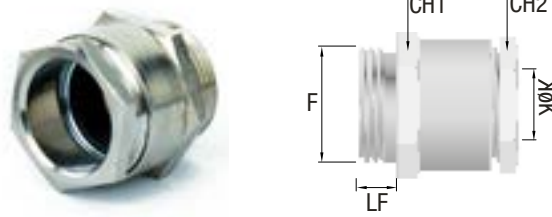
Ambient Temperature: +150/-25 °C

CODE	ISO METRIC (CONDUIT - FEMALE THREAD)							BOX/PCS
	CONDUIT (mm)	THREAD	DIMENSIONS (mm)					
	Ø D	F	Ø PU	CH	LF	D	L	
11.24.19.26.00000000	16	M16X1,5	14,5	20	10	26	39	8
11.24.19.26.00000001	20	M20X1,5	18,5	24	10	27	39	8
11.24.19.26.00000002	25	M25X1,5	23,5	29	10	32	39	5
11.24.19.26.00000003	32	M32X1,5	30,5	37	12	39	44	4
11.24.19.26.00000004	40	M40X1,5	38,5	46	15	50	58	5
11.24.19.26.00000005	50	M50X1,5	48,5	55	15	60	58	5



Ambient Temperature: +150/-25 °C

CODE	ISO METRIC (RIGID CONDUIT - FLEXIBLE CONDUIT)						BOX/PCS
	CONDUIT (mm)	FLEXIBLE CONDUIT (mm)	DIMENSIONS (mm)				
	Ø D	Ø d	Ø PU	CH1	CH2	D	
11.24.20.26.00000000	20	15,5	13,8	30	30	33	25
11.24.20.26.00000001	25	20,5	18,0	36	36	40	15
11.24.20.26.00000002	32	26,5	24,0	46	46	50	10
11.24.20.26.00000003	40	35,0	32,0	50	55	55	5
11.24.20.26.00000004	50	40,0	38,0	58	60	64	5


**Classification**

Manufactured in compliance with CEI EN 50262

Protection degree: IP54

**Characteristics**

Made of brass which is then nickel plated in order to improve resistance to hard environmental conditions in which they are used.

Consisting of a body within which is located a neoprene washer that deforms as a result of the nut being tightened, and guarantees IP54 water tightness.

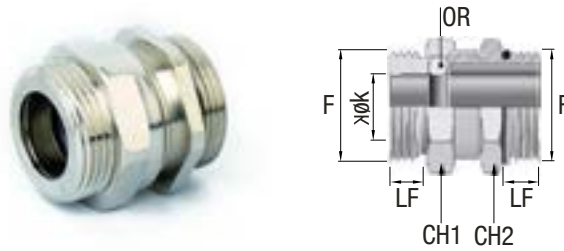
Suggested threads are: ISO Metric in compliance with CEI EN 60423, UNI ISO 228 GAS cylindrical and PG in accordance with DIN 40430.

Ambient Temperature: +70/-15 °C

CODE	ISO METRIC						BOX/PCS
	THREAD	CLAMPING RANGE	DIMENSIONS (mm)				
	F	Ø MIN X Ø MAX	CH1	CH2	LF		
11.25.47.12.00000100	M12x1,5	4 ÷ 6	14	13	5,0	50	
11.25.47.12.00000101	M16x1,5	8 ÷ 10	17	15	6,0	10	
11.25.47.12.00000102	M20x1,5	10 ÷ 12	22	20	7,0	20	
11.25.47.12.00000103	M25x1,5	17 ÷ 19	30	28	8,5	20	
11.25.47.12.00000104	M32x1,5	19 ÷ 22	35	33	9,0	20	
11.25.47.12.00000105	M40x1,5	26 ÷ 30	45	42	10,2	25	
11.25.47.12.00000106	M50x1,5	39 ÷ 41	57	54	10,0	25	
11.25.47.12.00000107	M63x1,5	37 ÷ 45	64	60	12,0	20	

CODE	PG						BOX/PCS
	THREAD	CLAMPING RANGE	DIMENSIONS (mm)				
	F	Ø MIN X Ø MAX	CH1	CH2	LF		
11.25.47.12.00000108	7	5 ÷ 7	14	5,0	13	10	
11.25.47.12.00000109	9	6 ÷ 8	17	6,0	15	10	
11.25.47.12.00000110	11	8 ÷ 10	20	6,0	18	10	
11.25.47.12.00000111	13,5	10 ÷ 12	22	6,5	20	10	
11.25.47.12.00000112	16	12 ÷ 14	24	6,5	22	10	
11.25.47.12.00000113	21	15 ÷ 17	30	7,0	28	10	
11.25.47.12.00000114	29	24 ÷ 26	40	8,0	37	10	
11.25.47.12.00000115	36	31 ÷ 35	50	9,0	47	10	
11.25.47.12.00000116	42	39 ÷ 41	57	10,0	54	5	
11.25.47.12.00000117	48	44 ÷ 46	64	10,0	60	5	

CODE	ISO 228						BOX/PCS
	THREAD	CLAMPING RANGE	DIMENSIONS (mm)				
	F	Ø MIN X Ø MAX	CH1	CH2	LF		
11.25.47.12.00000118	1/4"	4 ÷ 6	14	13	5,0	10	
11.25.47.12.00000119	3/8"	8 ÷ 10	17	15	6,0	10	
11.25.47.12.00000120	1/2"	10 ÷ 12	22	20	7,0	10	
11.25.47.12.00000121	3/4"	17 ÷ 19	30	28	8,5	10	
11.25.47.12.00000122	1"	19 ÷ 22	35	33	9,0	10	
11.25.47.12.00000123	1 ¼"	26 ÷ 30	45	42	10,2	10	
11.25.47.12.00000124	1 ½"	33 ÷ 35	50	47	12,0	10	
11.25.47.12.00000125	2"	37 ÷ 45	64	60	12,0	5	



Classification

Manufactured in compliance with CEI EN 50262

Protection degree: IP68

Characteristics

Made of brass which is then nickel plated in order to improve resistance to corrosion effect.

Special glands produced, with a metric male threaded head. Suitable for coupling to end connectors for rigid metal conduits or flexible conduits that have the same female thread.

They are designed for use when it becomes necessary giving the water tightness to the system.

Thread is ISO Metric in compliance with CEI EN 60423.

CODE	ISO METRIC						BOX/PCS
	THREAD	THREAD	CLAMPING RANGE	DIMENSIONS (mm)			
	F1	F2	Ø MIN X Ø MAX	CH1	CH2	LF	
11.30.27.12.00000016	M12x1,5	M16X1,5	5 ÷ 9	20	20	10	20
11.30.27.12.00000020	M16x1,5	M16X1,5	5 ÷ 9	20	20	10	20
11.30.27.12.00000025	M16x1,5	M20X1,5	8 ÷ 12	24	24	10	20
11.30.27.12.00000032	M20x1,5	M20X1,5	8 ÷ 12	24	24	10	20
11.30.27.12.00000033	M20x1,5	M25X1,5	11 ÷ 16	30	30	10	20
11.30.27.12.00000034	M25X1,5	M25X1,5	11 ÷ 16	30	30	10	20
11.30.27.12.00000035	M25X1,5	M32X1,5	15 ÷ 21	36	36	10	20
11.30.27.12.00000036	M32X1,5	M32X1,5	15 ÷ 21	36	36	10	20
11.30.27.12.00000037	M32X1,5	M40X1,5	20 ÷ 27	45	45	10	10
11.30.27.12.00000038	M40X1,5	M40X1,5	20 ÷ 27	45	45	12	10



**Classification**

Self-extinguishing in accordance with UL94: V2

Resistance to heat: glow wire tested to 750°C in accordance with VDE 0471 DIN and associated international IEC standard 695

Protection degree: IP68

**Characteristics**

Made of brass which is then nickel plated in order to improve resistance to hard environmental conditions in which they are used.

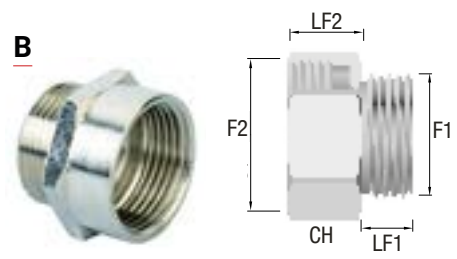
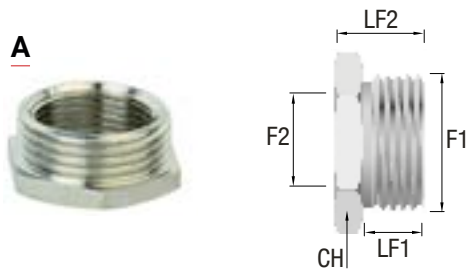
Consisting of a body within which is located a neoprene washer that deforms as a result of the nut being tightened, and guarantees IP54 water tightness.

Suggested threads are: ISO Metric in compliance with CEI EN 60423, UNI ISO 228 GAS cylindrical and PG in accordance with DIN 40430.

Ambient Temperature: +70/-15 °C

CODE	ISO METRIC					
	THREAD	CLAMPING RANGE	DIMENSIONS (mm)			BOX/PCS
	F	Ø MIN X Ø MAX	CH1	CH2	LF	
11.25.27.05.00000100	M16x1,5	5 ÷ 10	22	22	8,5	100
11.25.27.05.00000101	M20x1,5	6 ÷ 12	24	24	10,0	100
11.25.27.05.00000102	M25x1,5	9 ÷ 14	27	27	10,5	50
11.25.27.05.00000104	M32x1,5	15 ÷ 25	42	42	11,5	25

CODE	PG					
	THREAD	CLAMPING RANGE	DIMENSIONS (mm)			BOX/PCS
	F	Ø MIN X Ø MAX	CH1	CH2	LF	
11.25.27.05.00000109	9	4 ÷ 8	19	19	8,5	200
11.25.27.05.00000110	11	5 ÷ 10	22	22	8,5	100
11.25.27.05.00000111	13,5	6 ÷ 12	24	24	10,0	100
11.25.27.05.00000112	16	9 ÷ 14	27	27	10,5	50
11.25.27.05.00000113	21	13 ÷ 18	33	33	11,5	50
11.25.27.05.00000114	29	15 ÷ 25	42	42	11,5	25
11.25.27.05.00000115	36	20 ÷ 31	51	51	16,0	15
11.25.27.05.00000116	42	28 ÷ 38	63	63	16,5	10
11.25.27.05.00000117	48	34 ÷ 43	66	66	16,5	5



Electrical properties: Electrical continuity guaranteed

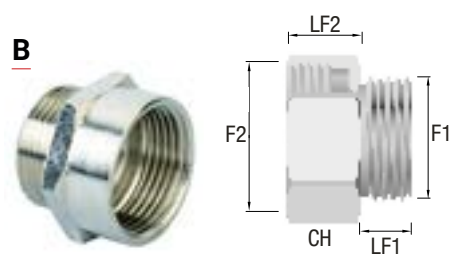
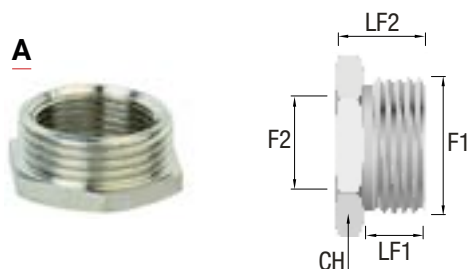
Characteristics

Areas of application

Made of brass which is then nickel plated in order to improve resistance to hard environmental conditions. Suggested thread are: ISO Metric in compliance with CEI EN 60423, UNI ISO 228 GAS cylindrical and PG in compliance with DIN 40430.

Suitable for use with all threaded connectors for flexible conduits or rigid conduits. They are designed for use when it becomes necessary to couple threaded mouthpieces that have different diameters or types of thread.

CODE	ISO METRIC						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000111	M16x1,5	M20x1,5	22	8	11	20	B	
11.29.41.12.00000100	M20x1,5	M16x1,5	24	8	12	20	A	
11.29.41.12.00000112	M20x1,5	M25x1,5	28	8	11	10	B	
11.29.41.12.00000101	M25x1,5	M20x1,5	26	10	14	20	A	
11.29.41.12.00000113	M25X1,5	M32X1,5	35	10	13	10	B	
11.29.41.12.00000102	M32X1,5	M20X1,5	35	10	14	10	A	
11.29.41.12.00000103	M32X1,5	M25X1,5	35	10	15	10	A	
11.29.41.12.00000114	M32X1,5	M40X1,5	42	10	13	10	B	
11.29.41.12.00000104	M40X1,5	M20X1,5	45	10	15	10	A	
11.29.41.12.00000105	M40X1,5	M25X1,5	45	10	15	10	A	
11.29.41.12.00000106	M40X1,5	M32X1,5	42	13	18	10	A	
11.29.41.12.00000115	M40X1,5	M50X1,5	55	12	14	5	B	
11.29.41.12.00000107	M50X1,5	M32X1,5	50	13	18	10	A	
11.29.41.12.00000108	M50X1,5	M40X1,5	50	13	19	5	A	
11.29.41.12.00000116	M50X1,5	M63X1,5	70	13	15	1	B	
11.29.41.12.00000109	M63X1,5	M40X1,5	65	14	21	2	A	
11.29.41.12.00000110	M63X1,5	M50X1,5	65	14	21	2	A	



CODE	ISO METRIC - PG						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000200	M16x1,5	9	20	8	9	10	B	
11.29.41.12.00000201	M16x1,5	11	22	8	9	10	B	
11.29.41.12.00000203	M20x1,5	11	25	8	9	10	B	
11.29.41.12.00000204	M20x1,5	13,5	25	8	9	10	B	
11.29.41.12.00000205	M25X1,5	16	27	10	9	50	B	
11.29.41.12.00000209	M32X1,5	21	35	10	14	10	A	
11.29.41.12.00000211	M40X1,5	29	42	13	18	5	A	
11.29.41.12.00000213	M50X1,5	36	50	13	15	5	B	
11.29.41.12.00000215	M63X1,5	48	62	15	15	2	B	

CODE	ISO 228 - ISO METRIC						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000302	1/2"	M16x1,5	22	9,0	11,0	50	A	
11.29.41.12.00000305	3/4"	M20x1,5	28	9,5	13,5	20	A	
11.29.41.12.00000308	1"	M25x1,5	35	10,5	15,5	10	A	
11.29.41.12.00000309	1"	M20x1,5	35	10,5	15,5	10	A	
11.29.41.12.00000312	1"	M32X1,5	35	13,0	13,0	10	B	
11.29.41.12.00000313	1 ¼"	M32X1,5	46	11,0	19,0	10	A	
11.29.41.12.00000316	1 ½"	M40X1,5	50	17,0	23,0	10	A	
11.29.41.12.00000319	2"	M50X1,5	60	20,0	26,5	10	A	
11.29.41.12.00000320	2"	M63X1,5	70	18,0	20,0	10	B	
11.29.41.12.00000321	2 ½"	M63X1,5	75	19,0	31,0	1	A	



CODE	ISO METRIC - ISO 228						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000401	M16x1,5	3/8"	19	8	11,0	10	B	
11.29.41.12.00000404	M20x1,5	1/2"	24	8	11,0	20	B	
11.29.41.12.00000407	M25x1,5	3/4"	30	10	12,5	10	B	
11.29.41.12.00000409	M25x1,5	3/8"	26	10	14,0	10	A	
11.29.41.12.00000412	M32X1,5	1"	35	10	13,0	10	B	
11.29.41.12.00000417	M63X1,5	2"	65	15	19,0	2	B	

CODE	ISO 228 - PG						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000501	1/4"	9	18	8,0	10,0	10	B	
11.29.41.12.00000502	1/4"	11	22	8,0	11,0	20	B	
11.29.41.12.00000503	1/4"	13,5	24	8,0	11,0	20	B	
11.29.41.12.00000504	3/8"	9	22	9,5	10,0	20	B	
11.29.41.12.00000505	3/8"	11	22	9,5	11,0	20	B	
11.29.41.12.00000506	3/8"	13,5	24	9,5	11,0	20	B	
11.29.41.12.00000507	3/8"	16	24	9,0	9,5	20	B	
11.29.41.12.00000508	1/2"	9	24	9,5	13,5	10	A	
11.29.41.12.00000509	1/2"	11	24	9,5	11,0	20	B	
11.29.41.12.00000510	1/2"	13,5	24	9,5	11,0	20	B	
11.29.41.12.00000511	1/2"	16	24	9,5	11,0	20	B	
11.29.41.12.00000512	1/2"	21	30	9,5	12,0	20	B	
11.29.41.12.00000513	3/4"	11	28	9,5	13,5	10	A	
11.29.41.12.00000514	3/4"	13,5	28	9,5	13,5	10	A	
11.29.41.12.00000515	3/4"	16	28	9,5	13,5	10	A	
11.29.41.12.00000516	3/4"	21	30	9,5	12,0	10	B	
11.29.41.12.00000517	3/4"	29	40	11,0	13,0	10	B	
11.29.41.12.00000518	1"	11	35	10,5	15,5	10	A	
11.29.41.12.00000519	1"	13,5	35	10,5	15,5	10	A	
11.29.41.12.00000520	1"	16	35	10,5	15,5	10	A	
11.29.41.12.00000521	1"	21	35	10,5	15,5	10	A	
11.29.41.12.00000522	1"	29	40	12,0	15,5	10	B	
11.29.41.12.00000523	1 1/4"	21	45	13,0	19,0	5	A	
11.29.41.12.00000524	1 1/4"	36	50	14,0	16,0	10	B	
11.29.41.12.00000525	1 1/2"	36	55	14,0	16,0	5	B	





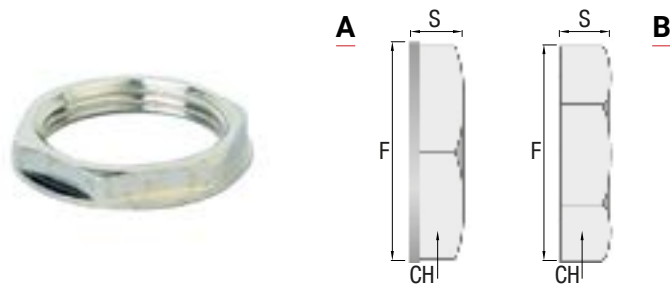
CODE	ISO 228 - ISO 228						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000600	1/4"	1/8"	15	8	-	50	A	
11.29.41.12.00000601	1/4"	3/8"	18	8,0	11,0	10	B	
11.29.41.12.00000602	1/4"	1/2"	24	8,0	11,0	10	B	
11.29.41.12.00000603	1/4"	3/4"	30	7,0	12,0	10	B	
11.29.41.12.00000604	3/8"	1/4"	22	9,5	13,0	20	A	
11.29.41.12.00000605	3/8"	1/2"	24	9,5	11,0	20	B	
11.29.41.12.00000606	3/8"	3/4"	28	9,5	12,5	10	B	
11.29.41.12.00000607	1/2"	1/4"	24	9,5	13,0	20	A	
11.29.41.12.00000608	1/2"	3/8"	24	9,5	13,0	50	A	
11.29.41.12.00000609	1/2"	3/4"	28	9,5	12,5	10	B	
11.29.41.12.00000610	1/2"	1"	38	13,0	10,0	5	B	
11.29.41.12.00000611	3/4"	3/8"	28	9,5	13,5	20	A	
11.29.41.12.00000612	3/4"	1/2"	28	9,5	13,5	20	A	
11.29.41.12.00000613	3/4"	1"	35	9,5	13,0	10	B	
11.29.41.12.00000615	1"	3/8"	34	10,5	15,5	10	A	
11.29.41.12.00000616	1"	1/2"	35	10,5	15,5	10	A	
11.29.41.12.00000617	1"	3/4"	35	10,5	15,5	10	A	
11.29.41.12.00000618	1"	1 1/4"	50	15,0	13,0	5	B	
11.29.41.12.00000619	1"	1 1/2"	50	14,0	17,0	5	B	
11.29.41.12.00000620	1 1/4"	3/8"	42	15,0	24,0	10	A	
11.29.41.12.00000621	1 1/4"	1/2"	42	15,0	24,0	10	A	
11.29.41.12.00000622	1 1/4"	3/4"	42	15,0	23,0	10	A	
11.29.41.12.00000623	1 1/4"	1"	42	15,0	23,0	5	A	
11.29.41.12.00000624	1 1/4"	1 1/2"	50	14,0	17,0	5	B	
11.29.41.12.00000625	1 1/2"	3/8"	50	17,0	25,0	10	A	
11.29.41.12.00000626	1 1/2"	1/2"	50	17,0	25,0	5	A	
11.29.41.12.00000627	1 1/2"	3/4"	50	17,0	25,0	5	A	
11.29.41.12.00000628	1 1/2"	1"	50	17,0	25,0	5	A	
11.29.41.12.00000629	1 1/2"	1 1/4"	50	17,0	25,0	5	A	
11.29.41.12.00000630	1 1/2"	2"	60	16,0	27,0	10	A	
11.29.41.12.00000631	2"	3/4"	60	20,0	27,0	5	A	
11.29.41.12.00000632	2"	1"	60	20,0	27,0	5	A	
11.29.41.12.00000633	2"	1 1/4"	60	20,0	27,0	10	A	
11.29.41.12.00000634	2"	1 1/2"	60	20,0	27,0	5	A	



CODE	PG - PG						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000700	07	09	17	5,0	10,0	10	B	
11.29.41.12.00000701	09	07	18	5,0	8,0	10	A	
11.29.41.12.00000702	09	11	20	6,0	9,5	10	B	
11.29.41.12.00000703	09	13,5	22	6,0	10,5	10	B	
11.29.41.12.00000704	11	07	19	6,0	9,0	10	A	
11.29.41.12.00000705	11	09	19	6,0	9,0	10	A	
11.29.41.12.00000706	11	13,5	22	6,0	10,5	10	B	
11.29.41.12.00000707	11	16	25	6,0	11,5	10	B	
11.29.41.12.00000709	13,5	09	22	6,0	9,0	10	A	
11.29.41.12.00000710	13,5	11	22	6,0	9,0	10	A	
11.29.41.12.00000711	13,5	16	25	6,5	11,5	20	B	
11.29.41.12.00000712	13,5	21	31	6,5	13,0	10	B	
11.29.41.12.00000713	16	07	23	7,0	10,0	10	A	
11.29.41.12.00000714	16	09	23	6,0	9,0	10	A	
11.29.41.12.00000715	16	11	24	6,0	9,0	10	A	
11.29.41.12.00000716	16	13,5	24	6,0	9,0	10	A	
11.29.41.12.00000717	16	21	31	6,5	13,0	10	B	
11.29.41.12.00000718	21	13,5	30	7,0	10,0	10	A	
11.29.41.12.00000719	21	16	30	7,0	10,0	10	A	
11.29.41.12.00000720	21	29	40	7,0	13,0	10	B	
11.29.41.12.00000721	29	16	39	8,0	-	25	A	
11.29.41.12.00000722	29	21	40	7,5	11,0	20	A	
11.29.41.12.00000723	29	36	50	10,5	12,0	5	B	
11.29.41.12.00000724	36	29	50	8,5	12,0	5	A	
11.29.41.12.00000725	42	36	60	12,0	18,0	5	A	
11.29.41.12.00000726	42	48	63	10,0	23,0	5	B	
11.29.41.12.00000727	48	42	60	10,0	14	5	A	



CODE	PG - ISO 228						BOX/PCS	TYPE
	THREAD	THREAD	DIMENSIONS (mm)					
	F1 (Male)	F2 (Female)	CH	LF1	LF2			
11.29.41.12.00000800	07	1/4"	18	9,0	11,0	20	B	
11.29.41.12.00000801	07	3/8"	18	9,0	11,0	20	B	
11.29.41.12.00000802	09	1/8"	18	8,0	-	50	A	
11.29.41.12.00000803	09	1/4"	18	9,0	11,0	20	B	
11.29.41.12.00000804	09	3/8"	18	9,0	11,0	20	B	
11.29.41.12.00000805	09	1/2"	24	9,0	11,0	10	B	
11.29.41.12.00000806	09	3/4"	30	8,0	-	25	B	
11.29.41.12.00000807	11	1/4"	22	7,0	11,5	20	A	
11.29.41.12.00000808	11	3/8"	22	9,0	11,0	20	B	
11.29.41.12.00000809	11	1/2"	24	9,0	11,0	20	B	
11.29.41.12.00000810	11	3/4"	30	8,0	-	25	B	
11.29.41.12.00000811	13,5	1/4"	22	7,5	11,5	20	A	
11.29.41.12.00000812	13,5	3/8"	24	7,5	11,5	20	A	
11.29.41.12.00000813	13,5	1/2"	24	9,0	11,0	20	B	
11.29.41.12.00000814	13,5	3/4"	30	9,0	12,5	10	B	
11.29.41.12.00000815	16	1/4"	24	7,5	11,5	20	A	
11.29.41.12.00000816	16	3/8"	24	7,5	11,5	20	A	
11.29.41.12.00000817	16	1/2"	24	7,0	11,0	20	B	
11.29.41.12.00000818	16	3/4"	30	7,0	12,5	10	B	
11.29.41.12.00000819	21	3/8"	30	7,5	11,5	20	A	
11.29.41.12.00000820	21	1/2"	30	7,5	11,5	20	A	
11.29.41.12.00000821	21	3/4"	30	7,0	12,5	10	B	
11.29.41.12.00000822	21	1"	35	7,0	13,0	10	B	
11.29.41.12.00000823	29	3/4"	40	8,0	13,0	10	A	
11.29.41.12.00000824	29	1"	40	8,0	13,0	10	A	
11.29.41.12.00000825	29	1 1/4"	44	10,5	17,0	5	B	
11.29.41.12.00000826	36	1"	51	14,0	-	10	A	
11.29.41.12.00000827	36	1 1/4"	50	11,5	17,5	5	A	
11.29.41.12.00000828	36	1 1/2"	52	10,5	17,0	5	B	
11.29.41.12.00000829	42	1 1/4"	60	12,0	18,0	5	A	
11.29.41.12.00000830	42	1 1/2"	60	12,0	18,0	5	A	



Made of brass which is then nickel plated in order to improve resistance to hard environmental conditions in which they are used.

Type A: are manufactured with a large circular resting surface.  
 Type B: are produced from a hexagonal bar.  
 Suggested threads are: Metric ISO in accordance with CEI EN 60423, UNI ISO 228 GAS cylindrical and PG in accordance with DIN 40430.

CODE	ISO METRIC					
	THREAD	DIMENSIONS (mm)			BOX/PCS	TYPE
	F	CH	S			
11.20.42.12.00000101	07	17	5,0	10	B	
11.20.42.12.00000102	09	18	5,0	10	A	
11.20.42.12.00000103	09	20	6,0	10	B	
11.20.42.12.00000104	09	22	6,0	10	B	
11.20.42.12.00000105	11	19	6,0	10	A	
11.20.42.12.00000106	11	19	6,0	10	A	
11.20.42.12.00000107	11	22	6,0	10	B	

CODE	ISO 228					
	THREAD	DIMENSIONS (mm)			BOX/PCS	TYPE
	F	CH	S			
11.20.42.12.00000128	1/4"	15	4,0	50	A	
11.20.42.12.00000108	3/8"	18	5,5	100	A	
11.20.42.12.00000109	1/2"	24	5,5	75	A	
11.20.42.12.00000110	3/4"	29	5,5	75	A	
11.20.42.12.00000111	1"	38	7,5	100	A	
11.20.42.12.00000112	1 ¼"	45	6,5	50	A	
11.20.42.12.00000113	1 ½"	54	8,0	50	A	
11.20.42.12.00000114	2"	66	9,5	20	A	
11.20.42.12.00000115*	2 ½"	85	10,0	5	B	
11.20.42.12.00000116*	3"	100	14,0	1	B	
11.20.42.12.00000117*	4"	125	15,0	1	B	

\* Made of aluminium

CODE	PG					
	THREAD	DIMENSIONS (mm)			BOX/PCS	TYPE
	F	CH	S			
11.20.42.12.00000118	07	15	3,0	50	B	
11.20.42.12.00000119	09	18	3,0	50	B	
11.20.42.12.00000120	11	21	3,0	50	B	
11.20.42.12.00000121	13,5	23	3,0	50	B	
11.20.42.12.00000122	16	26	3,0	50	B	
11.20.42.12.00000123	21	32	3,5	50	B	
11.20.42.12.00000124	29	41	4,0	25	B	
11.20.42.12.00000125	36	51	5,0	20	B	
11.20.42.12.00000126	42	60	5,0	5	B	
11.20.42.12.00000127	48	64	5,5	10	B	



Made in polyamide.

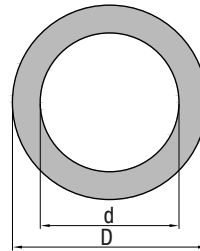
Suggested threads are: ISO Metric in accordance with CEI EN 60423, GAS cylindrical UNI ISO 228 and PG in accordance with DIN 40430.

Ambient Temperature: +70/-15 °C

CODE	ISO METRIC			
	THREAD	DIMENSIONS (mm)		BOX/PCS
	F	CH	S	
11.20.42.05.00000100	M16x1,5	24	5,0	100
11.20.42.05.00000101	M20x1,5	27	5,0	100
11.20.42.05.00000102	M25x1,5	33	6,0	50
11.20.42.05.00000103	M32x1,5	43	6,5	50
11.20.42.05.00000104	M40x1,5	50	7,5	25
11.20.42.05.00000105	M50x1,5	60	8,0	25
11.20.42.05.00000106	M63x1,5	70	9,0	50

CODE	ISO 228			
	THREAD	DIMENSIONS (mm)		BOX/PCS
	F	CH	S	
11.20.42.05.00000107	1/4"	19	5,0	100
11.20.42.05.00000108	3/8"	24	5,0	100
11.20.42.05.00000109	1/2"	27	6,0	100
11.20.42.05.00000110	3/4"	33	6,5	50
11.20.42.05.00000111	1"	43	7,5	50
11.20.42.05.00000112	1 ¼"	50	8,0	25
11.20.42.05.00000113	1 ½"	60	8,5	25
11.20.42.05.00000114	2"	70	9,0	25

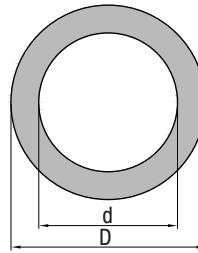
CODE	ISO 228			
	THREAD	DIMENSIONS (mm)		BOX/PCS
	F	CH	S	
11.20.42.05.00000115	07	19	5,0	100
11.20.42.05.00000116	09	24	5,0	100
11.20.42.05.00000117	11	27	6,0	100
11.20.42.05.00000118	13,5	27	6,0	100
11.20.42.05.00000119	16	33	6,5	50
11.20.42.05.00000120	21	43	7,5	50
11.20.42.05.00000121	29	50	8,0	50
11.20.42.05.00000122	36	60	8,5	25
11.20.42.05.00000123	42	64	8,5	25
11.20.42.05.00000124	18	70	9,0	25



Made of soft copper, they offer excellent mechanical and heat resistance.  
Used for coupling metal components, they are specially suitable for demanding applications.

Ambient Temperature: +70/-15 °C

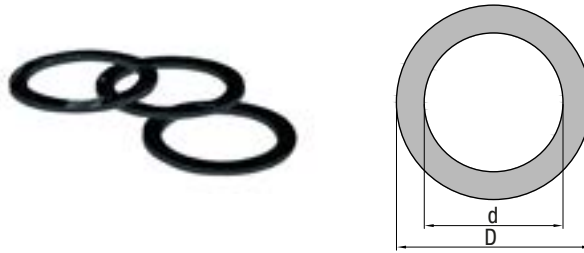
CODE	THREAD			DIMENSIONS (mm)			BOX/PCS
	ISO 228	PG	ISO METRIC	Ø d	Ø D	THICKNESS	
11.20.43.17.00000100	1/4"	7	-	13,2	19,5	1,5	100
11.20.43.17.00000101	-	9	M16	16,1	22,0	1,5	100
11.20.43.17.00000102	3/8"	-	-	17,0	22,5	1,5	100
11.20.43.17.00000103	-	11	-	18,7	26,0	1,5	100
11.20.43.17.00000104	-	13,5	M20	20,1	26,0	1,5	100
11.20.43.17.00000105	1/2"	-	-	21,0	27,0	1,5	100
11.20.43.17.00000106	-	16	-	22,7	30,0	1,5	50
11.20.43.17.00000107	-	-	M25	25,1	32,0	1,5	50
11.20.43.17.00000108	3/4"	-	-	26,6	32,5	1,5	50
11.20.43.17.00000109	-	21	-	28,4	34,0	1,5	50
11.20.43.17.00000110	-	-	M32	32,2	38,0	1,5	50
11.20.43.17.00000111	1"	-	-	33,4	41,0	1,5	50
11.20.43.17.00000112	-	29	-	36,7	43,0	1,5	50
11.20.43.17.00000113	-	-	M40	40,2	50,0	1,5	20
11.20.43.17.00000114	1 ¼"	-	-	42,2	50,0	1,5	25
11.20.43.17.00000115	-	36	-	47,0	56,0	1,5	25
11.20.43.17.00000116	1 ½"	-	-	48,3	55,0	1,5	25
11.20.43.17.00000117	-	-	M50	50,2	60,0	1,5	20
11.20.43.17.00000118	2"	48	-	60,3	70,0	1,5	10
11.20.43.17.00000119	-	-	M63	63,3	73,0	1,5	10



Used with threaded connectors or glands, they guarantee the water-tightness of the installation.  
 Are made of cellulose fibre with asbestos-free elastomeric binder, they offer good mechanical and heat resistance.  
 Suitable for applications where there is contact with fuels, animal and vegetable oils, lubricants and gas.

Ambient Temperature: +70/-15 °C

CODE	THREAD			DIMENSIONS (mm)			BOX/PCS
	ISO 228	PG	ISO METRIC	Ø d	Ø D	THICKNESS	
11.20.43.18.00000101	1/4"	7	-	13,0	19,5	1,5	100
11.20.43.18.00000102	-	9	M16	16,0	22,0	1,5	100
11.20.43.18.00000103	3/8"	-	-	16,5	22,5	1,5	100
11.20.43.18.00000104	-	11	M20	20,0	26,0	1,5	100
11.20.43.18.00000105	1/2"	13,5	-	21,0	27,0	1,5	100
11.20.43.18.00000106	-	16	-	22,5	29,0	1,5	100
11.20.43.18.00000107	-	-	M25	25,0	32,0	1,5	100
11.20.43.18.00000108	3/4"	-	-	26,3	32,5	1,5	100
11.20.43.18.00000109	-	21	-	28,3	34,5	1,5	100
11.20.43.18.00000110	-	-	M32	32,0	38,5	1,5	100
11.20.43.18.00000111	1"	-	-	33,2	40,0	1,5	100
11.20.43.18.00000112	-	29	-	37,6	43,5	1,5	100
11.20.43.18.00000113	-	-	M40	40,0	50,0	1,5	50
11.20.43.18.00000114	1 ¼"	-	-	42,0	49,0	1,5	50
11.20.43.18.00000115	1 ½"	36	-	47,8	56,5	1,5	50
11.20.43.18.00000116	-	-	M50	50,0	59,5	1,5	25
11.20.43.18.00000118	2"	48	-	60,0	70,0	1,5	25
11.20.43.18.00000119	-	-	M63	63,0	72,0	2	25
11.20.43.18.00000120	2 ½"	-	-	75,2	86,0	2	10
11.20.43.18.00000121	3"	-	-	87,8	97,0	2,2	10
11.20.43.18.00000122	4"	-	-	113,0	124,0	2,2	10



Used with threaded connectors or glands, they guarantee the water-tightness of the installation.  
 Are made of Perbunan (NBR), they offer high abrasion resistance and good mechanical resistance.  
 Excellent performance in applications in contact with mineral oils, grease, petrol and mild acids.

Ambient Temperature: +70/-15 °C

CODE	THREAD			DIMENSIONS (mm)			BOX/PCS
	ISO 228	PG	ISO METRIC	Ø d	Ø D	THICKNESS	
11.20.43.19.00000100	-	7	M12	12,0	20,0	1,5	50
11.20.43.19.00000101	1/4"	-	-	14,0	17,0	1,5	50
11.20.43.19.00000102	-	9	M16	16,0	23,0	2	50
11.20.43.19.00000103	3/8"	11	-	18,5	22,5	2	50
11.20.43.19.00000104	-	13,5	M20	20,0	29,0	2	50
11.20.43.19.00000105	1/2"	16	-	21,0	27,0	2	50
11.20.43.19.00000106	-	-	M25	25,0	37,0	2	50
11.20.43.19.00000107	3/4"	21	-	27,0	34,0	2,5	25
11.20.43.19.00000108	-	-	M32	32,0	44,0	2	25
11.20.43.19.00000109	1"	-	-	34,0	43,0	2	25
11.20.43.19.00000110	-	29	-	35,0	43,0	2,5	25
11.20.43.19.00000111	-	-	M40	40,0	52,0	2	25
11.20.43.19.00000112	1 ¼"	-	-	42,5	51,0	3	25
11.20.43.19.00000113	-	36	-	45,0	54,0	2,5	25
11.20.43.19.00000114	1 ½"	-	-	48,5	55,0	3	25
11.20.43.19.00000115	-	-	M50	50,0	64,0	2,5	25
11.20.43.19.00000116	2"	48	-	60,5	66,0	3	10





Rigid medium protected conduit system is made in thermoplastic PVC material.

In compliance with IEC 61386-1 (CEI 23/80) e IEC 61386-21 (CEI 23/81).

The conduits are available in: 4 sizes from 16 to 32 mm for length 2 metres, 7 sizes from 16 to 63 mm for length 3 metres.

Suitable for electrical systems and/or data transmission.

Installation type: exposed on walls and ceilings or for applications inside false ceilings and floating floors.

Colour: Grey RAL 7035

Glow wire test:: 960 °C

Insulation resistance: 100 M a 500 V for 1 minute

Resistance to compression: 3 (Medium - 750 N)

Resistance to impact: 3 (Medium - 2 J)

Resistance to bending: 1 (Rigid)

Dielectric rigidity: 2000 V a 50 Hz for 15 minutes

CODE	TUBE Ø (mm)	BOX
16.01.03.25.01.00000	16	111
16.01.03.25.01.00001	20	57
16.01.03.25.01.00002	25	57
16.01.03.25.01.00003	32	30
16.01.03.25.01.00004	40	30
16.01.03.25.01.00005	50	15
16.01.03.25.01.00006	63	9



CODE	90° BEND	
	FOR CONDUIT Ø (mm)	PCS
11.20.22.16.00000116	16	10/200
11.20.22.16.00000120	20	10/200
11.20.22.16.00000125	25	10/160
11.20.22.16.00000132	32	10/100
11.20.22.16.00000140	40	5/50
11.20.22.16.00000150	50	5/30



CODE	CONDUIT COUPLING	
	FOR CONDUIT Ø (mm)	PCS
11.20.21.16.00000216	16	10/200
11.20.21.16.00000220	20	10/200
11.20.21.16.00000225	25	10/160
11.20.21.16.00000232	32	10/100
11.20.21.16.00000240	40	5/50
11.20.21.16.00000250	50	5/30



CODE	CONDUIT TO SHEATH COUPLING (EQUAL DIAMETER)	
	SPIRAL SHEATH INTERNAL Ø (mm)	PCS
11.20.56.16.00000316	16	10/240
11.20.56.16.00000320	20	10/240
11.20.56.16.00000325	25	10/200
11.20.56.16.00000332	32	10/100
11.20.56.16.00000340	40	5/60
11.20.56.16.00000350	50	5/40



CODE	CONDUIT TO BOX COUPLING			
	THREAD	ASSEMBLY HOLE Ø (mm)	OVERALL Ø	PCS
11.20.57.16.00000416	M16X1,5	16-18	26	10/240
11.20.57.16.00000420	M20X1,5	20-22	30	10/240
11.20.57.16.00000425	M25X1,5	25-28	35	10/240
11.20.57.16.00000432	M32X1,5	32-35	46	10/240
11.20.57.16.00000440	M40X1,5	40-44	55	5/60
11.20.57.16.00000450	M50X1,5	50-54	62	5/40



CODE	90° BEND	
	FOR CONDUIT Ø (mm)	PCS
11.20.22.16.00000516	16	50/600
11.20.22.16.00000520	20	50/400
11.20.22.16.00000525	25	25/200
11.20.22.16.00000532	32	25/100
11.20.22.16.00000540	40	15/60
11.20.22.16.00000550	50	10/40



CODE	90° FLEXIBLE BEND	
	FOR CONDUIT Ø (mm)	PCS
11.20.22.16.00000616	16	50/800
11.20.22.16.00000620	20	50/600
11.20.22.16.00000625	25	50/400
11.20.22.16.00000632	32	25/300
11.20.22.16.00000640	40	25/200
11.20.22.16.00000650	50	15/120



CODE	CONDUIT COUPLING	
	FOR CONDUIT Ø (mm)	PCS
11.20.21.16.00000716	16	50/800
11.20.21.16.00000720	20	50/600
11.20.21.16.00000725	25	50/400
11.20.21.16.00000732	32	25/200
11.20.21.16.00000740	40	20/160
11.20.21.16.00000750	50	10/80



CODE	CONDUIT TO BOX COUPLING				
	EXTERNAL CONDUIT Ø (mm)	METRIC THREAD	FIXING HOLE Ø (mm)	OVERALL Ø (mm)	PCS
11.20.57.16.00000816	16	M16X1,5	16-18	26	50/800
11.20.57.16.00000820	20	M20X1,5	20-22	30	50/600
11.20.57.16.00000825	25	M25X1,5	25-28	35	50/400
11.20.57.16.00000832	32	M32X1,5	32-35	46	25/300
11.20.57.16.00000840	40	M40X1,5	40-44	55	25/200
11.20.57.16.00000850	50	M50X1,5	50-54	62	15/120



CODE	FLEXIBLE JOINTS FOR RIGID-BOX TUBE CONNECTIONS				
	EXTERNAL CONDUIT Ø (mm)	METRIC THREAD	FIXING HOLE Ø (mm)	OVERALL Ø (mm)	PCS
11.20.22.16.00000916	16	M16X1,5	16-18	26	50/800
11.20.22.16.00000920	20	M20X1,5	20-22	30	50/600
11.20.22.16.00000925	25	M25X1,5	25-28	35	50/400
11.20.22.16.00000932	32	M32X1,5	32-35	46	25/300
11.20.22.16.00000940	40	M40X1,5	40-44	55	25/200
11.20.22.16.00000950	50	M50X1,5	50-54	62	15/120



CODE	CONDUIT TO SHEATH COUPLINGS		
	EXTERNAL CONDUIT Ø (mm)	INTERNAL SHEATH Ø (mm)	PCS
11.20.56.16.00001016	16	12	50/800
		16	50/600
11.20.56.16.00001020	20	16	50/600
		20	50/400
11.20.56.16.00001025	25	20	50/400
		25	25/200
11.20.56.16.00001032	32	25	25/200
		32	20/160
11.20.56.16.00001040	40	32	20/160
		40	15/120
11.20.56.16.00001050	50	40	15/120
		50	10/80



CODE	SHEATH TO BOX COUPLINGS				
	THREAD	SHEATH Ø (mm)	FIXING HOLE Ø (mm)	OVERALL Ø (mm)	PCS
11.20.58.16.00000100	PG11	12	18-20	25	50/1200
11.20.58.16.00000101	PG13,5	12	20-22	25	50/1200
		16			50/800
11.20.58.16.00000102	PG16	16	22-24	30	50/800
11.20.58.16.00000103	PG21	20	28-30	34	50/400
11.20.58.16.00000104	PG29	25	36-38	41	25/300
11.20.58.16.00000105	PG36	32	46-50	56	25/200
11.20.58.16.00000106	M16X1,5	10	-	-	50/1200
		12	-	-	50/1200
11.20.58.16.00000107	M20X1,5	16	-	-	50/800
11.20.58.16.00000108	M25X1,5	20	-	-	50/400
11.20.58.16.00000109	M32X1,5	25	-	-	25/300
11.20.58.16.00000110	M40X1,5	32	-	-	25/200
11.20.58.16.00000111	M50X1,5	40	-	-	15/120
11.20.58.16.00000112	M63X1,5	50	-	-	10/80



CODE	FLEXIBLE CONDUIT Ø (mm)	BOX/PCS
11.20.44.12.00000010	10	20
11.20.44.12.00000012	12	20
11.20.44.12.00000015	15	20
11.20.44.12.00000020	20	10
11.20.44.12.00000027	27	10
11.20.44.12.00000036	36	5
11.20.44.12.00000040	40	5
11.20.44.12.00000047	47	5

Flexible conduit clamps



Clamps and slide are made of AISI 304 stainless steel, with rounded edges to prevent damage to the flexible conduit surface. The screw is hexagonal and made of galvanized steel with a screwdriver slot.

CODE	CLAMPING RANGE Ø d min / Ø D max (mm)	BOX/PCS
11.20.45.20.00001117	11 ÷ 17	100
11.20.45.20.00001320	13 ÷ 20	100
11.20.45.20.00001928	19 ÷ 28	100
11.20.45.20.00002232	22 ÷ 32	50
11.20.45.20.00003244	32 ÷ 44	50
11.20.45.20.00003850	38 ÷ 50	50
11.20.45.20.00004456	44 ÷ 56	50
11.20.45.20.00005065	50 ÷ 65	50
11.20.45.20.00005875	58 ÷ 75	25

Flexible conduit clamps with grounding screws



Clamp and slide are made of galvanized steel, with rounded edges, galvanized steel hexagonal screw with a screwdriver slot. The grounding screw is electric welded to the clamp and it comes complete with a CH nut of 7 mm. Screw torque = 4 Nm

CODE	CLAMPING RANGE Ø d min / Ø D max (mm)	BOX/PCS
11.20.46.20.00001320	13 ÷ 20	100
11.20.46.20.00001928	19 ÷ 28	100
11.20.46.20.00003244	32 ÷ 44	50
11.20.46.20.00004456	44 ÷ 56	50
11.20.46.20.00005875	58 ÷ 75	50



Characteristics

Made of a PE-LD plastic material alogen-free and applied to the ends of metal conduits to prevent the cables from coming into direct contact with the edges of the conduit during feeding.

Ambient Temperature: +70/-15 °C

CODE	CONDUIT D Ø (mm)	Ø PU	BOX/PCS
11.20.23.16.00000016	16	14,0	100
11.20.23.16.00000020	20	18,0	100
11.20.23.16.00000025	25	22,5	100
11.20.23.16.00000032	32	29,5	50
11.20.23.16.00000040	40	37,5	50
11.20.23.16.00000050	50	47,5	25
11.20.23.16.00000063	63	60,0	20

Galvanized steel conduit clip collars speedy fix system



Characteristics

Made from Fe60 steel and AISI 304 electro-galvanized. They are comprised of a shaped support with rip-proof safety clips that hold the conduit in place to offer high resistance to resistance to suspended weights.

The base units are available with a 6x10mm slot.

The screw-free system means they can be installed without the use of tools.

Screws and plugs must be ordered separately.

CODE	GALVANIZED STEEL		
	CONDUIT D Ø (mm)	BASE INTERAXIS (mm)	BOX/PCS
11.20.25.03.00000016	16	20	100
11.20.25.03.00000020	20	20	100
11.20.25.03.00000025	25	26	50
11.20.25.03.00000032	32	27	50
11.20.25.03.00000040	40	36	25
11.20.25.03.00000050	50	40	25

CODE	AISI 304			
	CONDUIT D Ø (mm)	BASE INTERAXIS (mm)	SLOT (mm)	BOX/PCS
11.20.25.13.00000020	20	20	6 X 10	100
11.20.25.13.00000025	25	26	6 X 10	50
11.20.25.13.00000032	32	27	6 X 10	50



CODE	SNAP CLIP	
	FOR CONDUIT Ø (mm)	PCS
11.20.25.16.00000116	16	100/1000
11.20.25.16.00000120	20	100/1000
11.20.25.16.00000125	25	100/800
11.20.25.16.00000132	32	100/800
11.20.25.16.00000140	40	50/400
11.20.25.16.00000150	50	25/250



CODE	COLLAR NUMBER	
	FOR CONDUIT Ø (mm)	PCS
11.20.25.16.00000216	16	100/1000
11.20.25.16.00000220	20	100/1000
11.20.25.16.00000225	25	100/800
11.20.25.16.00000232	32	100/800
11.20.25.16.00000240	40	50/400
11.20.25.16.00000250	50	25/250



CODE	SNAP CLIP WITH PLUG AND SCREW	
	FOR CONDUIT Ø (mm)	PCS
11.20.25.16.00000316	16	100/1000
11.20.25.16.00000320	20	100/1000
11.20.25.16.00000325	25	100/800
11.20.25.16.00000332	32	50/400



CODE	COLLAR CLIPS	
	FOR CONDUIT FROM/TO Ø (mm)	PCS
11.20.25.16.00001332	13-32	100/1000
11.20.25.16.00004063	40-63	100/500

Remote Area Lighting System



**Light Source:**  
High Flux LED

**Batteries:** 12v Rechargeable, Sealed

**Length:**  
55,9 cm (37,4") Closed  
179,9 cm (86,25") Extended

**Colour:** Black, Yellow

**Approvals:** CE, RoHs

**Light Output:** 2000 (Low), 4000 (High)

**Run Time:** 14 hrs. (Low), 7 hrs. (High)

**Beam spread:** 90°

**Number of leds:** 24 per head

**Lamp heads:** 2

**IP Rating:** 54

CODE	WEIGHT
04.06.06.24.01.00004	55.00 lbs (24.9 kg)

Remote Area Lighting System



**Light Source:** Led

**Batteries:** 4 NiMH D (included)

**Length:** 22.2 cm (8.75")

**Colour:** Black, Yellow

**Approvals:** N/A

**Light output:** 741lumens (high) - 300 lumens (low)

**Runtime:** 1 h 45 min (high) - 4 h 45min (low)

**Beam distance:** 425 m (high) - 249 m (low)

**Peak beam intensity:** 45260 cd (high) - 15516 cd (low)

**Waterproof & submersible:** IPX4

CODE	WEIGHT WITH BATTERIES
04.06.09.24.01.00000	44.7 oz (1267.2 gr)





**Light Source:** Xenon  
**Batteries:** 2 Alkaline C (Not included)  
**Length:** 15.2 cm (6")  
**Colour:** Black, Yellow

**Approvals:** CI II D2  
**Light output:** 21 lumens  
**Runtime:** 7 h  
**Beam distance:** 131 m  
**Peak beam intensity:** 4370 cd  
**Waterproof & submersible:** 1 m - IPX7

CODE	WEIGHT WITH BATTERIES
04.06.09.24.01.00001	7.8 oz (221.1 gr)



**Light Source:** Xenon  
**Batteries:** 3 Alkaline C (Not included)  
**Length:** 19.8 cm (7.79")  
**Colour:** Black, Yellow

**Approvals:** C1 D2  
 IEC Ex TSA 06.0021X Ex ib e IIC T4 IP67  
**Light output:** 53 lumens  
**Runtime:** 5 h  
**Beam distance:** 158 m  
**Peak beam intensity:** 6234 cd  
**Waterproof & submersible:** 1 m - IPX7

CODE	WEIGHT WITH BATTERIES
04.06.09.24.01.00002	12.8 oz (362.9 gr)



**Light Source:** Xenon  
**Batteries:** 4 NiMH AA (included)  
**Length:** 16.5 cm (6.5")  
**Colour:** Black, Yellow

**Approvals:** CI II D2  
**Light output:** 35 lumens  
**Runtime:** 3 h 30 min  
**Beam distance:** 122 m  
**Peak beam intensity:** 3735 cd  
**Waterproof & submersible:** 1 m - IPX7

CODE	WEIGHT WITH BATTERIES
04.06.09.24.01.00003	7.8 oz (221.1 gr)



**Light Source:** Led  
**Batteries:** 3 alkaline AAA (included)  
**Length:** 6.3 cm (2.48")  
**Colour:** Black

**Approvals:** N/A  
**Light output:** 80 lumens (high) - 5 lumens (low)  
**Runtime:** 8 h (high) - 175 h (low)  
**Beam distance:** 34 m (high) - 14 m (low)  
**Peak beam intensity:** 790 cd (high) - 60 cd (low)  
**Waterproof & submersible:** IPX4

CODE	WEIGHT WITH BATTERIES
04.06.06.24.06.00006	3.8 oz (107.7 gr)

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