




# ADE-1F2 o-ring non-armored cable glands

IECEX/ATEX  
IP66/IP68

1G

1G

## Cable types:

- Non-armored cable 
- Marine shipboard cable; Type P cable 
- Tray cable 

## Standard materials:

- Nickel-plated brass for superior corrosion resistance
- 316L stainless steel (optional); it is recommended that a suitable lubricant be used on all threads of stainless steel and aluminum versions

## Ingress protection (IP):

- IP66/IP68 according to the method of attachment and the condition of the equipment area

## Certifications and compliances:



### ATEX Certificate No.: INERIS12ATEX0032X

- Zones 1 & 2, Groups IIA, IIB, IIC
- Zones 21 & 22, Groups IIIA, IIIB, IIIC
- Ex II2GD / Ex db IIC / Ex eb IIC / Ex tb IIIC
- Ex II3G Ex nRc IIC

### IECEX Certificate No.: IECEX INE 12.0025X

- Zones 1 & 2, Groups IIA, IIB, IIC
- Zones 21 & 22, Groups IIIA, IIIB, IIIC
- Ex db IIC / Ex eb IIC / Ex nRc IIC / Ex tb IIIC

### UL certifications:

#### UL 3DJN E310130, Class I, Zone 1A, AEx e II

- ADE sizes 3 to 8, ISO 20 to 40 with TC-ER-HL non-armored cable up to 1" diameter

#### cUL US 3DJN E310130, Class I, Zone 2A, AEx e II, Ex e II

- ADE sizes 3 to 17, ISO 20 to 110 with non-armored cable types ITC, MV, PLTC, TC-ER, TC-ER-HL, TC

#### SABS 3LRC E314047, Class I, Zone 2A, AEx e II, Ex e II

- ADE sizes 3 to 17, ISO 20 to 110 with non-armored marine cable

### Other certifications:

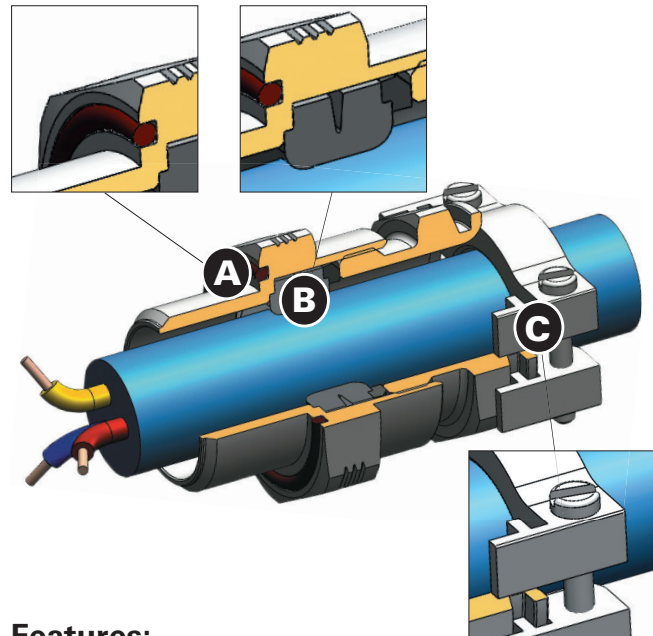
- CEPEL 05.0558X
- CCoE P360379-1
- KOSHA 2015-BO-0249 to 0256
- NANIO TC-RU C-FR. 7B05.B.00858
- NEPSI GYJ13.1082X
- SABS MS/15-0314X

### Shipping application:

- ABS 14-HS1274083-PDA
- BV 40910/A0 BV
- DNV TAE000010X
- Lloyds 11/00072
- DTS-01:1991 compliant

## Operating temperature:

- -60°C to +140°C



## Features:

- **A Integrated o-ring** – eliminates the need for an externally fitted sealing washer
- **B Specifically formulated elastomer** – used on the outer sheath of the cable to provide IP66 or IP68 moisture ingress protection
- **C Optional external clamp** – provides additional external strain relief for rugged applications

Provides 25% of cable clamping. As per IEC60079 § A.2.3.2 for Group II or III cable glands, "Without a clamping device, additional clamping of the cable is needed to ensure that pulling and twisting is not transmitted to the terminations." We recommend using the certified ADE clamping module.

<sup>A</sup> Can be used in Division 2, provided that the enclosure contains no components that produce arcs or sparks.

# ADE-1F2 o-ring non-armored cable glands

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## Ordering information:

Part number example  
ADE10M253NPN

# ADE10

# M25

# 3

# NPN

**Hub size**

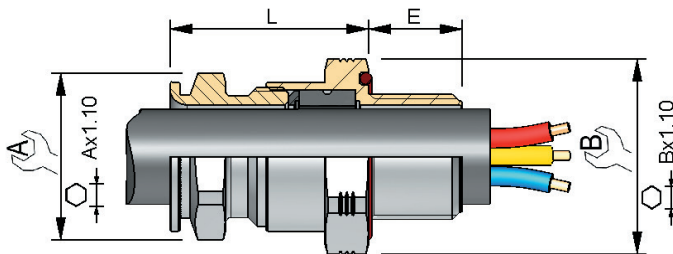
Metric	Hub
M20	20mm
M25	25mm
M32	32mm
M40	40mm
M50	50mm
M63	63mm

**Cable sealing range**

0	Extra small
1	Small
2	Medium
3	Large

**Material**

NPN	Nickel-plated brass
SSN	Stainless steel



Metric thread size	Cat. #	Cable sealing range		A	B	Length (L)	E	Gland size	
		Size	Outer sheath min.						Outer sheath max.
M20	ADE10M200NPN	0	0.11 (2.8)	0.22 (5.5)	0.59 (15.0)	1.10 (28.0)	1.54 (39.0)	0.59 (15.0)	3
M20	ADE10M201NPN	1	0.18 (4.5)	0.33 (8.5)	0.67 (17.0)	1.10 (28.0)	1.57 (40.0)	0.59 (15.0)	4
M20	ADE10M202NPN	2	0.28 (7.0)	0.47 (12.0)	0.75 (19.0)	1.10 (28.0)	1.57 (40.0)	0.59 (15.0)	5
M20	ADE10M203NPN	3	0.39 (10.0)	0.63 (16.0)	0.94 (24.0)	1.10 (28.0)	1.85 (47.0)	0.59 (15.0)	6
M25	ADE10M251NPN	1	0.28 (7.0)	0.47 (12.0)	0.75 (19.0)	1.34 (34.0)	1.67 (42.5)	0.59 (15.0)	5
M25	ADE10M252NPN	2	0.39 (10.0)	0.63 (16.0)	0.94 (24.0)	1.34 (34.0)	1.85 (47.0)	0.59 (15.0)	6
M25	ADE10M253NPN	3	0.53 (13.5)	0.81 (20.5)	1.18 (30.0)	1.34 (34.0)	2.03 (51.5)	0.59 (15.0)	7
M32	ADE10M322NPN	2	0.53 (13.5)	0.82 (21.0)	1.18 (30.0)	1.61 (41.0)	2.40 (61.0)	0.59 (15.0)	7
M32	ADE10M323NPN	3	0.71 (18.0)	1.08 (27.5)	1.61 (41.0)	1.61 (41.0)	2.40 (61.0)	0.59 (15.0)	8
M40	ADE10M402NPN	2	0.71 (18.0)	1.08 (27.5)	1.61 (41.0)	1.89 (48.0)	2.56 (65.0)	0.59 (15.0)	8
M40	ADE10M403NPN	3	0.91 (23.0)	1.34 (34.0)	1.89 (48.0)	1.89 (48.0)	2.56 (65.0)	0.59 (15.0)	9
M50	ADE10M500NPN	0	0.91 (23.0)	1.34 (34.0)	1.89 (48.0)	2.28 (58.0)	2.68 (68.0)	0.63 (16.0)	9
M50	ADE10M501NPN	1	1.14 (29.0)	1.61 (41.0)	2.17 (55.0)	2.28 (58.0)	2.68 (68.0)	0.63 (16.0)	10
M50	ADE10M502NPN	2	1.38 (35.0)	1.77 (45.0)	2.52 (64.0)	2.52 (64.0)	2.85 (72.5)	0.63 (16.0)	11
M63	ADE10M632NPN	2	1.38 (35.0)	1.77 (45.0)	2.83 (72.0)	2.52 (64.0)	3.03 (77.0)	0.67 (17.0)	11
M63	ADE10M633NPN	3	1.65 (42.0)	2.20 (56.0)	2.83 (72.0)	2.83 (72.0)	3.03 (77.0)	0.67 (17.0)	12

Catalog numbers are for nickel-plated brass; refer to part number builder above for other options.

Dimensions shown in inches (millimeters).