

Adapter IECEx-ATEX, BNC-316, IP 66 / 68, stainless steel



ANAMET IECEx-ATEX BARRIER ADAPTER FITTING, TYPE BNC-316 AND BAC-316, STAINLESS STEEL AISI-316

Type BNC-316 IECEx-ATEX approved stainless steel barrier adapter fitting, male one side, female other side, is used with a flexible metal conduit to provide mechanical protection of to an unarmoured cable (stripped), when a barrier 45° or 90° solution is needed. The use of stainless steel materials ensures good resistance to corrosion and chemicals in harsh environments. Connection to an Anaconda conduit is made with a standard male, 45°, 90°, stainless steel swivel or fixed fitting which is screwed into the female thread of the adapter. Since BNA-316 cable-hose fittings are available only till 1.1/4", the BNC-316 1.1/2" to 3" adapters in combination with Anaconda stainless steel fittings can be used when larger sizes are required. Typical applications include motors, transformers, control equipment, Ex enclosures, terminal boxes and components etc., in the chemical and petrochemical, oil and gas, wood processing, bulk handling and food and pharma industries. Also available in a version for armoured cable (type BAC-316, pages 7 - 54 till 7 - 55). On demand the version with silicone seal for high temperatures is also available.

Material & Construction:

Construction: Stainless steel AISI-316 fitting, consisting of 6 parts (female body, double pressure ring, sealing rubber, barrier container and male body). Separately, a 2 component epoxy resin is supplied for creating the barrier.

Material: Female body and male body are stainless steel AISI-316. The double pressure ring and barrier container are nickel plated brass and sealing rubber is from EPDM. Also available in nickel plated brass.

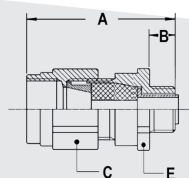
Temperature: -40 °C till +100 °C continuous. With silicone sealing rubber -60 °C till +120 °C continuous.

Protection class: Standard is IP 66, with a flat seal between body and switchbox IP 68.

Colour: Metal coloured.

For unarmoured cable (stripped), IECEx-ATEX certified and marked;
 ⚠ RCN (type) (thread size) IECEx INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db
 ⚡ CE 0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP 66 / IP 68

BNC-316, ISO, IECEx-ATEX, barrier adapter fitting, stainless steel AISI-316, EPDM and epoxy seal (-40 °C till +100 °C)

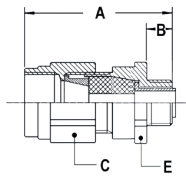


| THREAD OUTER ISO | THREAD INNER NPT | CLAMPING RANGE (MM) | DIMENSIONS IN MM | | | | | STANDARD PACKAGE | ARTICLE NUMBER | WEIGHT (KG/100) |
|------------------|------------------|---------------------|------------------|----|----|---|----|------------------|----------------|-----------------|
| | | | A | B | C | D | E | | | |
| M20 x 1,5 | NPT 1/2" | 5,5 - 8 | 63 | 15 | 32 | - | 30 | 10 | 823.812.9 | 17,4 |
| M20 x 1,5 | NPT 1/2" | 8 - 10,5 | 63 | 15 | 32 | - | 30 | 10 | 823.813.9 | 17,4 |
| M20 x 1,5 | NPT 1/2" | 10,5 - 13 | 63 | 15 | 32 | - | 30 | 10 | 823.814.9 | 17,4 |
| M25 x 1,5 | NPT 3/4" | 10,5 - 13 | 63 | 15 | 36 | - | 35 | 5 | 823.815.9 | 20,6 |
| M25 x 1,5 | NPT 3/4" | 13 - 15,5 | 63 | 15 | 36 | - | 35 | 5 | 823.818.9 | 20,6 |
| M25 x 1,5 | NPT 3/4" | 15,5 - 18 | 63 | 15 | 36 | - | 35 | 5 | 823.819.9 | 20,6 |
| M32 x 1,5 | NPT 1" | 15 - 18 | 76 | 15 | 45 | - | 42 | 5 | 823.823.9 | 35,6 |
| M32 x 1,5 | NPT 1" | 18 - 21 | 76 | 15 | 45 | - | 42 | 5 | 823.824.9 | 35,6 |
| M32 x 1,5 | NPT 1" | 21 - 24 | 76 | 15 | 45 | - | 42 | 5 | 823.825.9 | 35,6 |
| M40 x 1,5 | NPT 1.1/4" | 21 - 24 | 79 | 15 | 50 | - | 48 | 2 | 823.829.9 | 43,1 |
| M40 x 1,5 | NPT 1.1/4" | 24 - 27 | 79 | 15 | 50 | - | 48 | 2 | 823.830.9 | 43,1 |
| M40 x 1,5 | NPT 1.1/4" | 27 - 30 | 79 | 15 | 50 | - | 48 | 2 | 823.831.9 | 43,1 |
| M50 x 1,5 | NPT 1.1/2" | 30 - 33 | 79 | 15 | 57 | - | 55 | 1 | 823.843.9 | 56,8 |
| M50 x 1,5 | NPT 1.1/2" | 33 - 36 | 79 | 15 | 57 | - | 55 | 1 | 823.844.9 | 56,8 |
| M63 x 1,5 | NPT 2" | 36 - 39 | 80 | 15 | 68 | - | 68 | 1 | 823.851.9 | 78,4 |
| M63 x 1,5 | NPT 2" | 39 - 42 | 80 | 15 | 68 | - | 68 | 1 | 823.852.9 | 78,4 |
| M63 x 1,5 | NPT 2" | 42 - 45 | 80 | 15 | 68 | - | 68 | 1 | 823.853.9 | 78,4 |

ADAPTER IECEX-ATEX, BNC-316, IP 66 / 68, STAINLESS STEEL

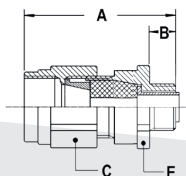
For unarmoured cable (stripped), IECEX-ATEX certified and marked;
 ▲ RCN (type) (thread size) IECEX INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db
 ⚡ CE 0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP 66 / IP 68

BNC-316, NPT, IECEX-ATEX, barrier adapter fitting, stainless steel
 AISI-316, EPDM and epoxy seal (-40 °C till +100 °C)



| THREAD OUTER NPT | THREAD INNER NPT | CLAMPING RANGE (MM) | DIMENSIONS IN MM | | | | | STANDARD PACKAGE | ARTICLE NUMBER | WEIGHT (KG/100) |
|---------------------|---------------------|------------------------|------------------|----|-----|---|-----|---------------------|-------------------|--------------------|
| | | | A | B | C | D | E | | | |
| NPT 1/2" | NPT 1/2" | 5,5 - 8 | 66 | 18 | 32 | - | 30 | 10 | 823.912.9 | 17,4 |
| NPT 1/2" | NPT 1/2" | 8 - 10,5 | 66 | 18 | 32 | - | 30 | 10 | 823.913.9 | 17,4 |
| NPT 1/2" | NPT 1/2" | 10,5 - 13 | 66 | 18 | 32 | - | 30 | 10 | 823.914.9 | 17,4 |
| NPT 3/4" | NPT 3/4" | 10,5 - 13 | 66 | 18 | 36 | - | 35 | 5 | 823.915.9 | 20,6 |
| NPT 3/4" | NPT 3/4" | 13 - 15,5 | 66 | 18 | 36 | - | 35 | 5 | 823.918.9 | 20,6 |
| NPT 3/4" | NPT 3/4" | 15,5 - 18 | 66 | 18 | 36 | - | 35 | 5 | 823.919.9 | 20,6 |
| NPT 1" | NPT 1" | 15 - 18 | 83 | 22 | 45 | - | 42 | 5 | 823.923.9 | 35,6 |
| NPT 1" | NPT 1" | 18 - 21 | 83 | 22 | 45 | - | 42 | 5 | 823.924.9 | 35,6 |
| NPT 1" | NPT 1" | 21 - 24 | 83 | 22 | 45 | - | 42 | 5 | 823.925.9 | 35,6 |
| NPT 1.1/4" | NPT 1.1/4" | 21 - 24 | 86 | 22 | 50 | - | 48 | 2 | 823.929.9 | 43,1 |
| NPT 1.1/4" | NPT 1.1/4" | 24 - 27 | 86 | 22 | 50 | - | 48 | 2 | 823.930.9 | 43,1 |
| NPT 1.1/4" | NPT 1.1/4" | 27 - 30 | 86 | 22 | 50 | - | 48 | 2 | 823.931.9 | 43,1 |
| NPT 1.1/2" | NPT 1.1/2" | 30 - 33 | 88 | 24 | 57 | - | 55 | 2 | 823.943.9 | 56,8 |
| NPT 1.1/2" | NPT 1.1/2" | 33 - 36 | 88 | 24 | 57 | - | 55 | 2 | 823.944.9 | 56,8 |
| NPT 2" | NPT 2" | 36 - 39 | 89 | 24 | 68 | - | 68 | 2 | 823.951.9 | 78,4 |
| NPT 2" | NPT 2" | 39 - 42 | 89 | 24 | 68 | - | 68 | 2 | 823.952.9 | 78,4 |
| NPT 2" | NPT 2" | 42 - 45 | 89 | 24 | 68 | - | 68 | 2 | 823.953.9 | 78,4 |
| NPT 2.1/2" | NPT 2.1/2" | 45 - 48 | 104 | 28 | 80 | - | 80 | 1 | 823.954.9 | 112,4 |
| NPT 2.1/2" | NPT 2.1/2" | 48 - 51 | 104 | 28 | 80 | - | 80 | 1 | 823.955.9 | 112,4 |
| NPT 2.1/2" | NPT 2.1/2" | 51 - 54 | 104 | 28 | 80 | - | 80 | 1 | 823.956.9 | 112,4 |
| NPT 3" | NPT 3" | 54 - 58 | 111 | 28 | 102 | - | 100 | 1 | 823.957.9 | 223,5 |
| NPT 3" | NPT 3" | 58 - 62 | 111 | 28 | 102 | - | 100 | 1 | 823.958.9 | 223,5 |

BNC-316, Pg, IECEX-ATEX, barrier adapter fitting, stainless steel
 AISI-316, EPDM and epoxy seal (-40 °C till +100 °C)



| THREAD OUTER PG | THREAD INNER NPT | CLAMPING RANGE (MM) | DIMENSIONS IN MM | | | | | STANDARD PACKAGE | ARTICLE NUMBER | WEIGHT (KG/100) |
|--------------------|---------------------|------------------------|------------------|----|----|---|----|---------------------|-------------------|--------------------|
| | | | A | B | C | D | E | | | |
| Pg 11 | NPT 1/2" | 5,5 - 8 | 63 | 15 | 32 | - | 30 | 10 | 823.611.9 | 17,4 |
| Pg 13,5 | NPT 1/2" | 5,5 - 8 | 63 | 15 | 32 | - | 30 | 10 | 823.612.9 | 17,4 |
| Pg 13,5 | NPT 1/2" | 8 - 10,5 | 63 | 15 | 32 | - | 30 | 10 | 823.613.9 | 17,4 |
| Pg 13,5 | NPT 1/2" | 10,5 - 13 | 63 | 15 | 32 | - | 30 | 10 | 823.614.9 | 17,4 |
| Pg 16 | NPT 3/4" | 10,5 - 13 | 63 | 15 | 36 | - | 35 | 5 | 823.615.9 | 20,6 |
| Pg 16 | NPT 3/4" | 13 - 15,5 | 63 | 15 | 36 | - | 35 | 5 | 823.618.9 | 20,6 |
| Pg 16 | NPT 3/4" | 15,5 - 18 | 63 | 15 | 36 | - | 35 | 5 | 823.619.9 | 20,6 |
| Pg 21 | NPT 1" | 15 - 18 | 76 | 15 | 45 | - | 42 | 5 | 823.623.9 | 35,6 |
| Pg 21 | NPT 1" | 18 - 21 | 76 | 15 | 45 | - | 42 | 5 | 823.624.9 | 35,6 |
| Pg 21 | NPT 1" | 21 - 24 | 76 | 15 | 45 | - | 42 | 5 | 823.625.9 | 35,6 |
| Pg 29 | NPT 1.1/4" | 21 - 24 | 81 | 17 | 50 | - | 48 | 2 | 823.629.9 | 43,1 |
| Pg 29 | NPT 1.1/4" | 24 - 27 | 81 | 17 | 50 | - | 48 | 2 | 823.630.9 | 43,1 |
| Pg 29 | NPT 1.1/4" | 27 - 30 | 81 | 17 | 50 | - | 48 | 2 | 823.631.9 | 43,1 |
| Pg 36 | NPT 1.1/2" | 30 - 33 | 81 | 17 | 57 | - | 55 | 2 | 823.643.9 | 56,8 |
| Pg 36 | NPT 1.1/2" | 33 - 36 | 81 | 17 | 57 | - | 55 | 2 | 823.644.9 | 56,8 |
| Pg 48 | NPT 2" | 36 - 39 | 83 | 18 | 68 | - | 68 | 2 | 823.651.9 | 78,4 |
| Pg 48 | NPT 2" | 39 - 42 | 83 | 18 | 68 | - | 68 | 2 | 823.652.9 | 78,4 |
| Pg 48 | NPT 2" | 42 - 45 | 83 | 18 | 68 | - | 68 | 2 | 823.653.9 | 78,4 |