

# ANACONDA IECEx-ATEX, BNA, IP66 / 68, NICKEL PLATED BRASS



## Anaconda IECEx-ATEX cable-hose-fitting type BNA and BAA, nickel plated brass, barrier type

Type BNA IECEx-ATEX approved nickel plated brass barrier fittings are designed for use with Anaconda Sealtite liquid tight conduits to connect and protect a single unarmoured cable (single core or multicore) in a potentially explosive atmosphere. The barrier is made by mixing a 2 component epoxy resin component which is supplied standard with each individual fitting. A special designed connection set enables the fitting to be used with the Anaconda Multiflex range of uncovered conduits. Typical applications include connections on motors, transformers, control equipment, Ex enclosures, terminal boxes and components in the chemical and petrochemical, Oil and Gas, food, pharma, wood processing and bulk handling industries. Also available in a version for armoured cable type BAA (see pages 7-24 and 7-25). In case a 45° or 90° solution is needed it is possible to use the IECEx-ATEX Anaconda adapter type BNC/BAC in combination with a 45° or 90° Anaconda nickel plated brass swivel fitting.

**Construction:** Nickel plated brass fitting, consisting of 9 parts (counter nut, clamping ring, ferrule, intermediate housing, double pressure ring, sealing rubber, barrier container and body).

Separately a 2 component epoxy resin will be supplied for creating the barrier.

**Material:** Counter nut, intermediate housing, pressure rings, barrier container and body are nickel plated brass, ferrule is from galvanized steel, sealing rubber is from EPDM rubber, clamping ring is from PA6. Also available in stainless steel AISI-316. Fittings are fully RoHS compliant.

**Temperature:** -40 °C till +100 °C continuous. With silicone sealing rubber -60 °C till +150 °C continuous.

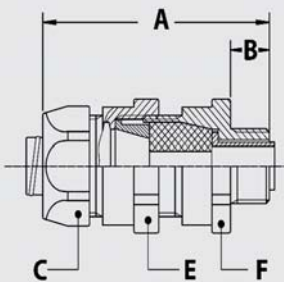
**Protection class:** IP67 on the conduit and standard IP66 between body and switchbox, with a flat seal between body and switchbox IP68. **Colour:** Metal.

For unarmoured cable, IECEx-ATEX certified and marked;

RCN (type) (threadsize) IECEx INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db

CE 0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP66 / IP68 EHL



BNA, ISO, IECEx-ATEX cable-hose-fitting, nickel plated brass, EPDM and epoxy seal (-40 °C till +100°C)

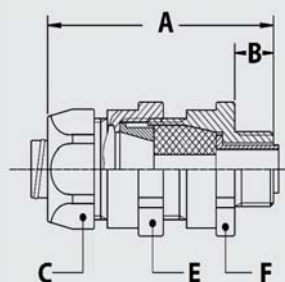


Thread	Sealtite Size (Inch)	Clamping Range (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	E	F			
M16 x 1,5	5/16"	4 - 7	71	15	26	25	24	10	822.106.0	10,8
M20 x 1,5	5/16"	4 - 7	71	15	26	25	24	10	822.107.0	10,8
M16 x 1,5	3/8"	4 - 7	71	15	26	25	24	10	822.110.0	10,8
M16 x 1,5	3/8"	7 - 10	71	15	26	25	24	10	822.111.0	10,8
M20 x 1,5	3/8"	4 - 7	71	15	26	25	24	10	822.108.0	10,8
M20 x 1,5	3/8"	7 - 10	71	15	26	25	24	10	822.109.0	10,8
M20 x 1,5	1/2"	5,5 - 8	74	15	30	32	30	10	822.112.0	17,8
M20 x 1,5	1/2"	8 - 10,5	74	15	30	32	30	10	822.113.0	17,8
M20 x 1,5	1/2"	10,5 - 13	74	15	30	32	30	10	822.114.0	17,8
M25 x 1,5	3/4"	10,5 - 13	74	15	35	36	35	5	822.115.0	21,6
M25 x 1,5	3/4"	13 - 15,5	74	15	35	36	35	5	822.118.0	21,6
M25 x 1,5	3/4"	15,5 - 18	74	15	35	36	35	5	822.119.0	21,6
M32 x 1,5	1"	15 - 18	90	15	45	45	42	5	822.123.0	38,0
M32 x 1,5	1"	18 - 21	90	15	45	45	42	5	822.124.0	38,0
M32 x 1,5	1"	21 - 23,5	90	15	45	45	42	5	822.125.0	38,0
M40 x 1,5	1.1/4"	21 - 24	94	15	55	55	48	2	822.129.0	45,1
M40 x 1,5	1.1/4"	24 - 27	94	15	55	55	48	2	822.130.0	45,1
M40 x 1,5	1.1/4"	27 - 30	94	15	55	55	48	2	822.131.0	45,1

# ANACONDA IECEX-ATEX, BNA, IP66 / 68, NICKEL PLATED BRASS

For unarmoured cable, IECEX-ATEX certified and marked;

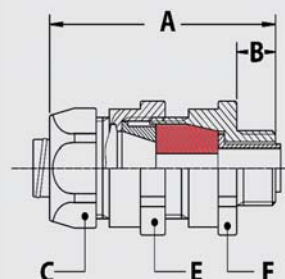
 RCN (type) (threadsize) IECEX INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db  
  0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP66 / IP68 EAC



BNA, NPT, IECEX-ATEX cable-hose-fitting, nickel plated brass, EPDM and epoxy seal (-40 °C till +100°C)



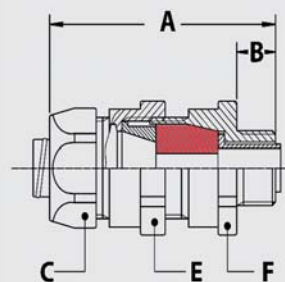
Thread	Sealtite Size (Inch)	Clamping Range (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	E	F			
NPT 1/2"	5/16"	4 - 7	74	18	26	25	24	10	824.108.0	10,8
NPT 1/2"	3/8"	4 - 7	74	18	26	25	24	10	824.110.0	10,8
NPT 1/2"	3/8"	7 - 10	74	18	26	25	24	10	824.111.0	10,8
NPT 1/2"	1/2"	5,5 - 8	77	18	30	32	30	10	824.112.0	17,8
NPT 1/2"	1/2"	8 - 10,5	77	18	30	32	30	10	824.113.0	17,8
NPT 1/2"	1/2"	10,5 - 13	77	18	30	32	30	10	824.114.0	17,8
NPT 3/4"	3/4"	10,5 - 13	77	18	35	36	35	5	824.115.0	21,6
NPT 3/4"	3/4"	13 - 15,5	77	18	35	36	35	5	824.118.0	21,6
NPT 3/4"	3/4"	15,5 - 18	77	18	35	36	35	5	824.119.0	21,6
NPT 1"	1"	15 - 18	97	22	45	45	42	5	824.123.0	38,0
NPT 1"	1"	18 - 21	97	22	45	45	42	5	824.124.0	38,0
NPT 1"	1"	21 - 23,5	97	22	45	45	42	5	824.125.0	38,0



BNA, ISO, IECEX-ATEX cable-hose-fitting, nickel plated brass, Silicone and epoxy seal (-60 °C till +150°C)



Thread	Sealtite Size (Inch)	Clamping Range (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	E	F			
M16 x 1,5	3/8"	6 - 8	71	15	26	25	24	10	822.110.3	10,8
M16 x 1,5	3/8"	8 - 10	71	15	26	25	24	10	822.111.3	10,8
M20 x 1,5	3/8"	8 - 10	71	15	26	25	24	10	822.109.3	10,8
M20 x 1,5	1/2"	5,5 - 8	74	15	30	32	30	10	822.112.3	17,8
M20 x 1,5	1/2"	8 - 10,5	74	15	30	32	30	10	822.113.3	17,8
M20 x 1,5	1/2"	10,5 - 13	74	15	30	32	30	10	822.114.3	17,8
M25 x 1,5	3/4"	10,5 - 13	74	15	35	36	35	5	822.115.3	21,6
M25 x 1,5	3/4"	13 - 15,5	74	15	35	36	35	5	822.118.3	21,6
M25 x 1,5	3/4"	15,5 - 18	74	15	35	36	35	5	822.119.3	21,6
M32 x 1,5	1"	15 - 18	90	15	45	45	42	5	822.123.3	38,0
M32 x 1,5	1"	18 - 21	90	15	45	45	42	5	822.124.3	38,0
M32 x 1,5	1"	21 - 23,5	90	15	45	45	42	5	822.125.3	38,0
M40 x 1,5	1.1/4"	21 - 24	94	15	55	55	48	2	822.129.3	45,1
M40 x 1,5	1.1/4"	24 - 27	94	15	55	55	48	2	822.130.3	45,1
M40 x 1,5	1.1/4"	27 - 30	94	15	55	55	48	2	822.131.3	45,1





BNA, NPT, IECEX-ATEX cable-hose-fitting, nickel plated brass, Silicone and epoxy seal (-60 °C till +150°C)



Thread	Sealtite Size (Inch)	Clamping Range (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	E	F			
NPT 1/2"	3/8"	6 - 8	74	18	26	25	24	10	824.110.3	10,8
NPT 1/2"	3/8"	8 - 10	74	18	26	25	24	10	824.111.3	10,8
NPT 1/2"	1/2"	5,5 - 8	77	18	30	32	30	10	824.112.3	17,8
NPT 1/2"	1/2"	8 - 10,5	77	18	30	32	30	10	824.113.3	17,8
NPT 1/2"	1/2"	10,5 - 13	77	18	30	32	30	10	824.114.3	17,8
NPT 3/4"	3/4"	10,5 - 13	77	18	35	36	35	5	824.115.3	21,6
NPT 3/4"	3/4"	13 - 15,5	77	18	35	36	35	5	824.118.3	21,6
NPT 3/4"	3/4"	15,5 - 18	77	18	35	36	35	5	824.119.3	21,6
NPT 1"	1"	15 - 18	97	22	45	45	42	5	824.123.3	38,0
NPT 1"	1"	18 - 21	97	22	45	45	42	5	824.124.3	38,0
NPT 1"	1"	21 - 23,5	97	22	45	45	42	5	824.125.3	38,0

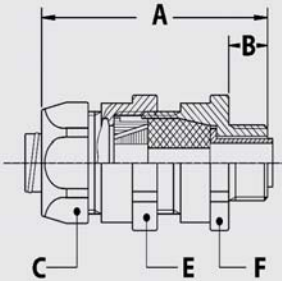
# ANACONDA IECEx-ATEX, BAA, IP66 / 68, NICKEL PLATED BRASS

For armoured cable, IECEx-ATEX certified and marked;

 RCN (type) (threadsize) IECEx INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db  
 CE 0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP66 / IP68 EAC

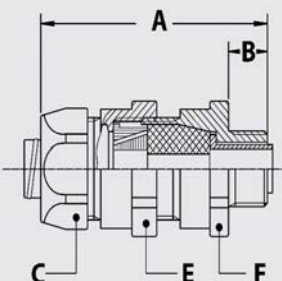


BAA, ISO, IECEx-ATEX EMC cable-hose-fitting, nickel plated  
 brass, EPDM and epoxy seal (-40 °C till +100°C)



Thread	Seallite	Clamping	Dimensions in mm					Standard	Article	Weight
			ISO	Size (Inch)	Range (mm)	A	B			
M16 x 1,5	3/8"	4 - 7	71	15	26	25	24	10	822.310.0	10,8
M16 x 1,5	3/8"	7 - 10	71	15	26	25	24	10	822.311.0	10,8
M20 x 1,5	3/8"	4 - 7	71	15	26	25	24	10	822.308.0	10,8
M20 x 1,5	3/8"	7 - 10	71	15	26	25	24	10	822.309.0	10,8
M20 x 1,5	1/2"	5,5 - 8	74	15	30	32	30	10	822.312.0	17,8
M20 x 1,5	1/2"	8 - 10,5	74	15	30	32	30	10	822.313.0	17,8
M20 x 1,5	1/2"	10,5 - 13	74	15	30	32	30	10	822.314.0	17,8
M25 x 1,5	3/4"	10,5 - 13	74	15	35	36	35	5	822.315.0	21,6
M25 x 1,5	3/4"	13 - 15,5	74	15	35	36	35	5	822.318.0	21,6
M25 x 1,5	3/4"	15,5 - 18	74	15	35	36	35	5	822.319.0	21,6
M32 x 1,5	1"	15 - 18	90	15	45	45	42	5	822.323.0	38,0
M32 x 1,5	1"	18 - 21	90	15	45	45	42	5	822.324.0	38,0
M32 x 1,5	1"	21 - 23,5	90	15	45	45	42	5	822.325.0	38,0
M40 x 1,5	1.1/4"	21 - 24	94	15	55	55	48	2	822.329.0	45,1
M40 x 1,5	1.1/4"	24 - 27	94	15	55	55	48	2	822.330.0	45,1
M40 x 1,5	1.1/4"	27 - 30	94	15	55	55	48	2	822.331.0	45,1

BAA, NPT, IECEx-ATEX EMC cable-hose-fitting, nickel plated  
 brass, EPDM and epoxy seal (-40 °C till +100°C)

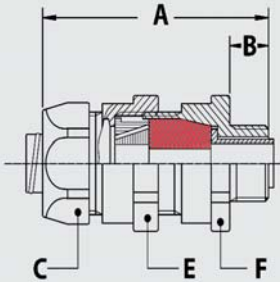


Thread	Seallite	Clamping	Dimensions in mm					Standard	Article	Weight
			NPT	Size (Inch)	Range (mm)	A	B			
NPT 1/2"	3/8"	4 - 7	74	18	26	25	24	10	824.310.0	10,8
NPT 1/2"	3/8"	7 - 10	74	18	26	25	24	10	824.311.0	10,8
NPT 1/2"	1/2"	5,5 - 8	77	18	30	32	30	10	824.312.0	17,8
NPT 1/2"	1/2"	8 - 10,5	77	18	30	32	30	10	824.313.0	17,8
NPT 1/2"	1/2"	10,5 - 13	77	18	30	32	30	10	824.314.0	17,8
NPT 3/4"	3/4"	10,5 - 13	77	18	35	36	35	5	824.315.0	21,6
NPT 3/4"	3/4"	13 - 15,5	77	18	35	36	35	5	824.318.0	21,6
NPT 3/4"	3/4"	15,5 - 18	77	18	35	36	35	5	824.319.0	21,6
NPT 1"	1"	15 - 18	97	22	45	45	42	5	824.323.0	38,0
NPT 1"	1"	18 - 21	97	22	45	45	42	5	824.324.0	38,0
NPT 1"	1"	21 - 23,5	97	22	45	45	42	5	824.325.0	38,0

# ANACONDA IECEX-ATEX, BAA, IP66 / 68, NICKEL PLATED BRASS

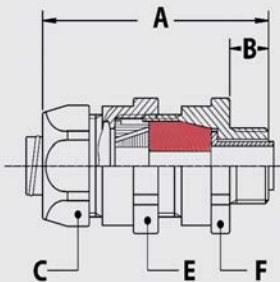
For armoured cable, IECEX-ATEX certified and marked;  
 ⚠ RCN (type) (threadsize) IECEX INE 10.0010X Ex d/e I Mb IIC Gb Ex tb IIIC Db  
 ⚡ CE 0080 INERIS 06ATEX0014X I M2 / II 2 GD, IP66 / IP68 EAC

BAA, ISO, IECEX-ATEX EMC cable-hose-fitting, nickel plated brass, Silicone and epoxy seal (-60 °C till +150°C)



Thread	Sealtite	Clamping	Dimensions in mm					Standard	Article	Weight
			ISO	Size (Inch)	Range (mm)	A	B			
M16 x 1,5	3/8"	6 - 8	71	15	26	25	24	10	822.310.3	10,8
M16 x 1,5	3/8"	8 - 10	71	15	26	25	24	10	822.311.3	10,8
M20 x 1,5	3/8"	8 - 10	71	15	26	25	24	10	822.309.3	10,8
M20 x 1,5	1/2"	5,5 - 8	74	15	30	32	30	10	822.312.3	17,8
M20 x 1,5	1/2"	8 - 10,5	74	15	30	32	30	10	822.313.3	17,8
M20 x 1,5	1/2"	10,5 - 13	74	15	30	32	30	10	822.314.3	17,8
M25 x 1,5	3/4"	10,5 - 13	75	15	35	36	35	5	822.315.3	21,6
M25 x 1,5	3/4"	13 - 15,5	75	15	35	36	35	5	822.318.3	21,6
M25 x 1,5	3/4"	15,5 - 18	75	15	35	36	35	5	822.319.3	21,6
M32 x 1,5	1"	15 - 18	90	15	45	45	42	5	822.323.3	38,0
M32 x 1,5	1"	18 - 21	90	15	45	45	42	5	822.324.3	38,0
M32 x 1,5	1"	21 - 23,5	90	15	45	45	42	5	822.325.3	38,0
M40 x 1,5	1.1/4"	21 - 24	94	15	55	55	48	2	822.329.3	45,1
M40 x 1,5	1.1/4"	24 - 27	94	15	55	55	48	2	822.330.3	45,1
M40 x 1,5	1.1/4"	27 - 30	94	15	55	55	48	2	822.331.3	45,1

BAA, NPT, IECEX-ATEX EMC cable-hose-fitting, nickel plated brass, Silicone and epoxy seal (-60 °C till +150°C)



Thread	Sealtite	Clamping	Dimensions in mm					Standard	Article	Weight
			NPT	Size (Inch)	Range (mm)	A	B			
NPT 1/2"	3/8"	6 - 8	74	18	26	25	24	10	824.310.3	10,8
NPT 1/2"	3/8"	8 - 10	74	18	26	25	24	10	824.311.3	10,8
NPT 1/2"	1/2"	5,5 - 8	77	18	30	32	30	10	824.312.3	17,8
NPT 1/2"	1/2"	8 - 10,5	77	18	30	32	30	10	824.313.3	17,8
NPT 1/2"	1/2"	10,5 - 13	77	18	30	32	30	10	824.314.3	17,8
NPT 3/4"	3/4"	10,5 - 13	77	18	35	36	35	5	824.315.3	21,6
NPT 3/4"	3/4"	13 - 15,5	77	18	35	36	35	5	824.318.3	21,6
NPT 3/4"	3/4"	15,5 - 18	77	18	35	36	35	5	824.319.3	21,6
NPT 1"	1"	15 - 18	97	22	45	45	42	5	824.323.3	38,0
NPT 1"	1"	18 - 21	97	22	45	45	42	5	824.324.3	38,0
NPT 1"	1"	21 - 23,5	97	22	45	45	42	5	824.325.3	38,0

## Special information for EMC cable-hose-fittings

1. In case of EMC versions, the cable diameter needed to determine the clamping range, is not the outside diameter of the cable but the diameter of the cable without the braiding.
2. In case of EMC versions with a wire diameter (S) from 1,0 till 2,5 mm (type SWA, Steel Wire Armour) a special 2 piece clamping ring (reduced cone) must be ordered.

