

ANAMET ATEX ADAPTERS

RNC ATEX ADAPTERS IP66 / IP68



Anamet IECEX-ATEX adapter fitting, type RNC, nickel plated brass.

The IECEX-ATEX approved adapter, male one side, female other side, type RNC, is originally developed to connect threaded rigid conduits. But it can be used also to protect unarmoured cables with a flexible metal conduit, in potentially explosive atmospheres (ATEX), in case a 45° or 90° solution is needed. The connection with an Anaconda conduit is made through a standard male Anaconda swivel fitting 45° or 90° which is screwed into the female thread of the adapter. Because RNA cable hose fittings are available only till 1.1/4", and a solution for big sizes is needed, it is also possible to use the RNC adapter from 1.1/2" up to 3" size in combination with Anaconda standard fittings. They are frequently used in the chemical and petrochemical-industry, Oil & Gas, off-shore and food industry. On demand there are also available, a version for armoured cable (type



RAC), a barrier version for unarmoured cable (type BXC) and a barrier version for armoured cables (type BAC).

Material & Construction:


Construction : Nickel plated brass fitting, consisting of 4 parts (female body, pressure ring, sealing rubber and male body).

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

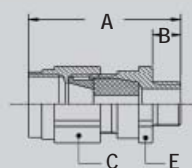
Temperature: -40 °C till +100 °C continuous. With silicone pressure rubber -70 °C till +220 °C continuous.

Protection class: Standard is IP66, with a flat seal between body and switchbox IP68.

Colour: Metal.

For unarmoured cable,
IECEX-ATEX certified and marked; RCN (type) (threadsize) CE 0080 
I M2 / II 2 GD / Ex d II C / Ex e II / Ex d I / Ex tD A 21 IP 66 / IP68 INERIS 06ATEX0014X

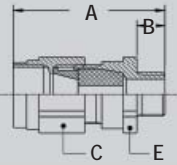
RNC, ISO, IECEX-ATEX cable-fitting, nickel plated
brass, EPDM rubber seal (-40 °C till +100 °C).



Thread	Thread	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	297.812.0	17,4
M20 x 1,5	NPT 1/2"	8 - 10,5	63	15	32	-	30	10	297.813.0	17,4
M20 x 1,5	NPT 1/2"	10,5 - 13	63	15	32	-	30	10	297.814.0	17,4
M25 x 1,5	NPT 3/4"	10,5 - 13	63	15	36	-	35	5	297.815.0	20,6
M25 x 1,5	NPT 3/4"	13 - 15,5	63	15	36	-	35	5	297.818.0	20,6
M25 x 1,5	NPT 3/4"	15,5 - 18	63	15	36	-	35	5	297.819.0	20,6
M32 x 1,5	NPT 1"	15 - 18	77	15	45	-	42	5	297.823.0	35,6
M32 x 1,5	NPT 1"	18 - 21	77	15	45	-	42	5	297.824.0	35,6
M32 x 1,5	NPT 1"	21 - 24	77	15	45	-	42	5	297.825.0	35,6
M40 x 1,5	NPT 1.1/4"	21 - 24	77	15	50	-	48	2	297.829.0	43,1
M40 x 1,5	NPT 1.1/4"	24 - 27	77	15	50	-	48	2	297.830.0	43,1
M40 x 1,5	NPT 1.1/4"	27 - 30	77	15	50	-	48	2	297.831.0	43,1
M50 x 1,5	NPT 1.1/2"	30 - 33	77	15	57	-	55	2	297.843.0	56,8
M50 x 1,5	NPT 1.1/2"	33 - 36	77	15	57	-	55	2	297.844.0	56,8
M63 x 1,5	NPT 2"	36 - 39	77	15	67	-	68	2	297.851.0	78,4
M63 x 1,5	NPT 2"	39 - 42	77	15	67	-	68	2	297.852.0	78,4
M63 x 1,5	NPT 2"	42 - 45	77	15	67	-	68	2	297.853.0	78,4
M75 x 1,5	NPT 2.1/2"	45 - 48	85	15	80	-	80	1	297.854.0	112,4
M75 x 1,5	NPT 2.1/2"	48 - 51	85	15	80	-	80	1	297.855.0	112,4
M75 x 1,5	NPT 2.1/2"	51 - 54	85	15	80	-	80	1	297.856.0	112,4
M90 x 2	NPT 3"	54 - 58	100	20	100	-	100	1	297.857.0	223,5
M90 x 2	NPT 3"	58 - 62	100	20	100	-	100	1	297.858.0	223,5

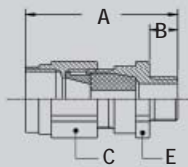
For unarmoured cable,
IECEX-ATEX certified and marked; RCN (type) (threadsize) CE 0080 
IM2 / II 2 GD / Ex d II C / Ex e II / Ex d I / Ex tD A 21 IP 66 / IP68 INERIS 06ATEX0014X

RNC, NPT, IECEX-ATEX cable-fitting, nickel plated
brass, EPDM rubber seal (-40 °C till +100 °C).



Thread	Thread	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	297.912.0	17,4
NPT 1/2"	NPT 1/2"	8 - 10,5	66	18	32	-	30	10	297.913.0	17,4
NPT 1/2"	NPT 1/2"	10,5 - 13	66	18	32	-	30	10	297.914.0	17,4
NPT 3/4"	NPT 3/4"	10,5 - 13	66	18	36	-	35	5	297.915.0	20,6
NPT 3/4"	NPT 3/4"	13 - 15,5	66	18	36	-	35	5	297.918.0	20,6
NPT 3/4"	NPT 3/4"	15,5 - 18	66	18	36	-	35	5	297.919.0	20,6
NPT 1"	NPT 1"	15 - 18	84	22	45	-	42	5	297.923.0	35,6
NPT 1"	NPT 1"	18 - 21	84	22	45	-	42	5	297.924.0	35,6
NPT 1"	NPT 1"	21 - 24	84	22	45	-	42	5	297.925.0	35,6
NPT 1.1/4"	NPT 1.1/4"	21 - 24	84	22	50	-	48	2	297.929.0	43,1
NPT 1.1/4"	NPT 1.1/4"	24 - 27	84	22	50	-	48	2	297.930.0	43,1
NPT 1.1/4"	NPT 1.1/4"	27 - 30	84	22	50	-	48	2	297.931.0	43,1
NPT 1.1/2"	NPT 1.1/2"	30 - 33	86	24	57	-	55	2	297.943.0	56,8
NPT 1.1/2"	NPT 1.1/2"	33 - 36	86	24	57	-	55	2	297.944.0	56,8
NPT 2"	NPT 2"	36 - 39	86	24	67	-	68	2	297.951.0	78,4
NPT 2"	NPT 2"	39 - 42	86	24	67	-	68	2	297.952.0	78,4
NPT 2"	NPT 2"	42 - 45	86	24	67	-	68	2	297.953.0	78,4
NPT 2.1/2"	NPT 2.1/2"	45 - 48	98	28	80	-	80	1	297.954.0	112,4
NPT 2.1/2"	NPT 2.1/2"	48 - 51	98	28	80	-	80	1	297.955.0	112,4
NPT 2.1/2"	NPT 2.1/2"	51 - 54	98	28	80	-	80	1	297.956.0	112,4
NPT 3"	NPT 3"	54 - 58	108	28	100	-	100	1	297.957.0	223,5
NPT 3"	NPT 3"	58 - 62	108	28	100	-	100	1	297.958.0	223,5

RNC, Pg, IECEX-ATEX cable-fitting, nickel plated
brass, EPDM rubber seal (-40 °C till +100 °C).

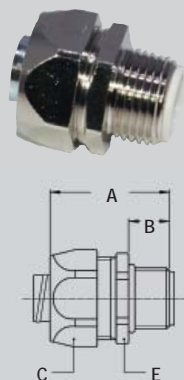


Thread	Thread	Clamping Range (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
Pg 11	NPT 1/2"	5,5 - 8	63	15	32	-	30	10	297.611.0	17,4
Pg 13,5	NPT 1/2"	5,5 - 8	63	15	32	-	30	10	297.612.0	17,4
Pg 13,5	NPT 1/2"	8 - 10,5	63	15	32	-	30	10	297.613.0	17,4
Pg 13,5	NPT 1/2"	10,5 - 13	63	15	32	-	30	10	297.614.0	17,4
Pg 16	NPT 3/4"	10,5 - 13	63	15	36	-	35	5	297.615.0	20,6
Pg 16	NPT 3/4"	13 - 15,5	63	15	36	-	35	5	297.618.0	20,6
Pg 16	NPT 3/4"	15,5 - 18	63	15	36	-	35	5	297.619.0	20,6
Pg 21	NPT 1"	15 - 18	77	15	45	-	42	5	297.623.0	35,6
Pg 21	NPT 1"	18 - 21	77	15	45	-	42	5	297.624.0	35,6
Pg 21	NPT 1"	21 - 24	77	15	45	-	42	5	297.625.0	35,6
Pg 29	NPT 1.1/4"	21 - 24	79	17	50	-	48	2	297.629.0	43,1
Pg 29	NPT 1.1/4"	24 - 27	79	17	50	-	48	2	297.630.0	43,1
Pg 29	NPT 1.1/4"	27 - 30	79	17	50	-	48	2	297.631.0	43,1
Pg 36	NPT 1.1/2"	30 - 33	79	17	57	-	55	2	297.643.0	56,8
Pg 36	NPT 1.1/2"	33 - 36	79	17	57	-	55	2	297.644.0	56,8
Pg 48	NPT 2"	36 - 39	88	18	67	-	68	2	297.651.0	78,4
Pg 48	NPT 2"	39 - 42	88	18	67	-	68	2	297.652.0	78,4
Pg 48	NPT 2"	42 - 45	88	18	67	-	68	2	297.653.0	78,4

Anaconda fittings, nickel plated brass, for combination with adapter type RNC



NPT straight fitting, male, nickel plated brass.

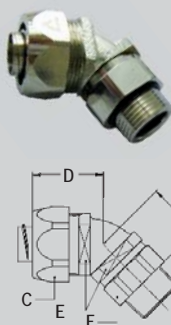


Thread	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
1/2" NPT	5/16"	8,3	35	12	26	-	24	10	814.011.1*	5,6
1/2" NPT	3/8"	10,2	35	12	26	-	24	10	814.012.1	5,6
1/2" NPT	1/2"	13,9	37	13	29	-	27	10	814.016.1	6,2
3/4" NPT	3/4"	18,5	40	15	35	-	33	5	814.020.1	8,9
1" NPT	1"	23,8	46	15	45	-	43	5	814.026.1	25,0
1.1/4" NPT	1.1/4"	31,8	52	16	54	-	52	2	814.035.1	40,0
1.1/2" NPT	1.1/2"	36,8	56	18	63	-	60	2	814.040.1	43,8
2" NPT	2"	47,8	66	20	77	-	74	2	814.050.1	73,5
2.1/2" NPT	2.1/2"	59,0	72	24	95	-	90	1	814.063.1*	134,4
3" NPT	3"	71,5	80	28	110	-	105	1	814.075.1*	172,8

* Fittings for 5/16", 2.1/2" and 3" conduit without UL/CSA approval.

ANACONDA STANDARD FITTINGS

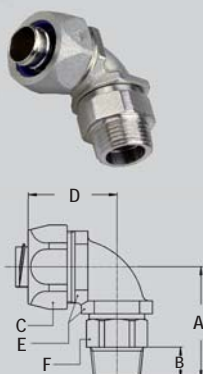
IN COMBINA- TION WITH RNC ATEX ADAPTERS IP66 / IP68



NPT 45° swivel fitting, male, nickel plated brass.



Thread	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm						Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E	F			
NPT 1/2"	3/8"	10,4	36	12	26	28	22	22	10	819.412.0	11,5
NPT 1/2"	1/2"	13,8	36	12	29	30	27	25	10	819.416.0	14,0
NPT 3/4"	3/4"	17,4	39	12	35	32	33	31	5	819.420.0	22,0
NPT 1"	1"	23,4	42	13	45	37	42	38	5	819.426.0	37,0



NPT 90° swivel fitting, male, nickel plated brass.



Thread	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm						Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E	F			
NPT 1/2"	3/8"	10,4	41	12	26	35	22	22	10	819.912.0	12,0
NPT 1/2"	1/2"	13,8	41	12	29	37	27	25	10	819.916.0	14,0
NPT 3/4"	3/4"	17,4	48	12	35	44	33	31	5	819.920.0	23,5
NPT 1"	1"	23,4	56	13	45	55	42	38	5	819.926.0	42,0



Important note:

For an IECEx-ATEX solution in bigger sizes 45° and 90°, the best option is to take the IECEx-ATEX swivel adapter type BXC (pages 7-15 and 7-16) in combination with the regular corresponding fittings in 45° and 90° (see chapter 4).



Anamet IECEx-ATEX adapter fitting, type RNC AISI-316, stainless steel.

The IECEx-ATEX approved adapter fitting male one side, female other side, type RNC AISI-316, is originally developed to connect threaded rigid conduits. But it can be used also to protect unarmoured cable with a flexible metal conduit, in potentially explosive atmospheres (ATEX), in combination with Anaconda stainless steel fittings, straight, 45 and 90 degrees. The stainless steel AISI-316 material guarantees the best resistance against corrosion and chemical attacks. They are frequently used in the chemical and petrochemical-industry, Oil & Gas, off-shore and food industry. Typical applications are connections on big motors, transformers, control equipment and terminal boxes. On demand there is also available a version for armoured cable (type RAC AISI-316), a barrier version for unarmoured cable (type BXC AISI-316) and a barrier version for armoured cables (type BAC AISI-316).

Material & Construction:

Construction : Stainless steel AISI-316 fitting, consisting of 4 parts (female body, pressure ring, sealing rubber and male body).

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


Temperature: -40 °C till +100 °C continuous. With silicone pressure rubber -70 °C till +220 °C continuous.

Protection class: Standard is IP66, with a flat seal between body and switchbox IP68.

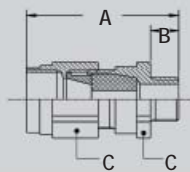
Colour: Metal.

ANAMET ATEX CABLE- FITTINGS

RNC AISI-316 ATEX ADAPTERS IP66 / IP68

For unarmoured cable,
IECEx-ATEX certified and marked; RCN (type) (threadsize) CE 0080 
I M2 / II 2 GD / Ex d II C / Ex e II / Ex d I / Ex tD A 21 IP 66 / IP68 INERIS 06ATEX0014X

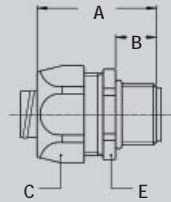
RNC AISI-316, ISO, IECEx-ATEX cable-adapter, stainless steel AISI-316, EPDM rubber seal (-40°C till +100°C).



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	297.812.9	17,4
M20 x 1,5	NPT 1/2"	8 - 10,5	63	15	32	-	30	10	297.813.9	17,4
M20 x 1,5	NPT 1/2"	10,5 - 13	63	15	32	-	30	10	297.814.9	17,4
M25 x 1,5	NPT 3/4"	10,5 - 13	63	15	36	-	35	5	297.815.9	20,6
M25 x 1,5	NPT 3/4"	13 - 15,5	63	15	36	-	35	5	297.818.9	20,6
M25 x 1,5	NPT 3/4"	15,5 - 18	63	15	36	-	35	5	297.819.9	20,6
M32 x 1,5	NPT 1"	15 - 18	77	15	45	-	42	5	297.823.9	35,6
M32 x 1,5	NPT 1"	18 - 21	77	15	45	-	42	5	297.824.9	35,6
M32 x 1,5	NPT 1"	21 - 24	77	15	45	-	42	5	297.825.9	35,6
M40 x 1,5	NPT 1.1/4"	21 - 24	77	15	50	-	48	2	297.829.9	43,1
M40 x 1,5	NPT 1.1/4"	24 - 27	77	15	50	-	48	2	297.830.9	43,1
M40 x 1,5	NPT 1.1/4"	27 - 30	77	15	50	-	48	2	297.831.9	43,1
M50 x 1,5	NPT 1.1/2"	30 - 33	77	15	57	-	55	2	297.843.9	56,8
M50 x 1,5	NPT 1.1/2"	33 - 36	77	15	57	-	55	2	297.844.9	56,8
M63 x 1,5	NPT 2"	36 - 39	77	15	67	-	68	2	297.851.9	78,4
M63 x 1,5	NPT 2"	39 - 42	77	15	67	-	68	2	297.852.9	78,4
M63 x 1,5	NPT 2"	42 - 45	77	15	67	-	68	2	297.853.9	78,4

Anaconda fittings, stainless steel, for combination with adapter type RNC

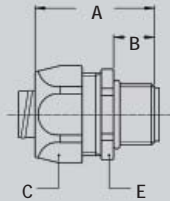
NPT straight fitting, male, stainless steel (AISI-304).



Thread NPT	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
1/2" NPT	5/16"	8,3	37	13	27	-	24	10	814.011.9*	6,0
1/2" NPT	3/8"	10,2	37	13	27	-	24	10	814.012.9	6,0
1/2" NPT	1/2"	13,9	37	13	30	-	27	10	814.016.9	6,7
3/4" NPT	3/4"	18,5	40	15	36	-	36	5	814.020.9	9,6
1" NPT	1"	23,8	46	15	46	-	46	5	814.026.9	27,0

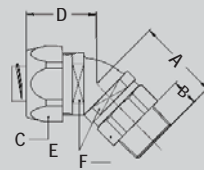
* Fittings for 5/16" conduit without UL/CSA approval., a special connection set will be delivered separately.

NPT straight fitting, male, stainless steel (AISI-316).



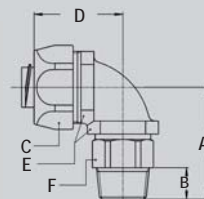
Thread NPT	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
1/2" NPT	3/8"	10,2	35	12	26	-	24	10	814.112.9	6,0
1/2" NPT	1/2"	13,9	37	13	29	-	27	10	814.116.9	6,7
3/4" NPT	3/4"	18,5	40	15	35	-	33	5	814.120.9	9,6
1" NPT	1"	23,8	46	15	45	-	43	5	814.126.9	27,0

NPT 45° swivel fitting, male, stainless steel (AISI-316).



Thread NPT	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
NPT 1/2"	3/8"	10,4	36	12	27	28	22	10	819.212.9	11,5
NPT 1/2"	1/2"	13,8	36	12	30	30	27	10	819.216.9	14,0
NPT 3/4"	3/4"	17,4	-	12	36	-	-	5	838.220.9	22,0
NPT 1"	1"	23,4	-	13	46	-	-	5	838.226.9	37,0

NPT 90° swivel fitting, male, stainless steel (AISI-316).



Thread NPT	Sealtite Size (inch)	Min. Internal Bore (mm)	Dimensions in mm					Standard Package	Article Number	Weight (Kg/100)
			A	B	C	D	E			
NPT 1/2"	3/8"	10,4	41	12	27	35	22	10	819.512.9	12,0
NPT 1/2"	1/2"	13,8	41	12	30	37	27	10	819.516.9	14,0
NPT 3/4"	3/4"	17,4	-	12	36	-	-	5	838.520.9	23,5
NPT 1"	1"	23,4	-	13	46	-	-	5	838.526.9	42,0

