

# ATEX ZONES

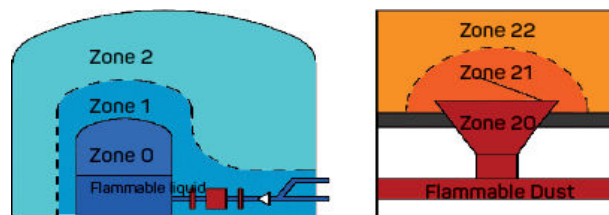
## ANAMET SPECIALTY ATEX FITTINGS FOR IEC EX EXPLOSION-PROOF AREAS EXPLANATION OF IEC EX-ZONES

ANAMET ATEX Fittings are based on the European IEC Ex directives.

NOTE: SEALTITE® ATEX fittings are available for European or international applications. This product is not UL listed. This product is not approved for use in NEC Hazardous Locations. Care must be taken when applying these to North American installations. The user is responsible for safe use and compliance with local regulations.

This is a brief explanation and comparison to North American standards.

### LOCALIZATION OF GAS AND DUST EX-ZONES



### GROUP I - EQUIPMENT FOR USE IN MINING:

Hazardous Atmosphere	Risk	Zone	Category Equipment	ANAMET ATEX System allowed	Security level
Mine Gas, Combustible Dusts	Continuously or for long periods	0	I M1	No	Very high (also safe in case of 2 independent failures)
Mine Gas, Combustible Dusts	Occasionally	1	I M2	Yes	High (also safe in case of 1 failure)

### GROUP II - EQUIPMENT FOR USE IN ALL OTHER EXPLOSIVE ATMOSPHERES:

Hazardous Atmosphere	Risk	Zone	Category Equipment	ANAMET ATEX System allowed	Security level
Gases, Vapours and Mists	Continuously or for long periods	0	II 1 G	No	Very high (also safe in case of 2 independent failures)
Gases, Vapours and Mists	Occasionally	1	II 2 G	Yes	High (also safe in case of 1 failure)
Gases, Vapours and Mists	Infrequently or for short periods	2	II 3 G	Yes	Normal (safe during normal functioning)
Dusts	Continuously or for long periods	20	II 1 D	No	Very high (also safe in case of 2 independent failures)
Dusts	Occasionally	21	II 2 D	Yes	High (also safe in case of 1 failure)
Dusts	Infrequently or for short periods	22	II 2 D II 3 G	Yes Yes	High (conducting Dusts) Normal (non-conducting Dusts)

### DIFFERENCES BETWEEN EUROPEAN AND NORTH AMERICAN STANDARDS:

Region	Constant presence risk	Occasional presence risk	Presence risk only in case of failure
IEC/Europe	Zone 0	Zone 1	Zone 2
U.S./Canada	Division I		Division II

# SPECIALTY FITTINGS FOR ATEX

## LPMC SEALTITE® ATEX FITTINGS STAINLESS STEEL AISI-316 NPT FITTINGS



### DESCRIPTION

- Explosion Proof fittings for any SEALTITE® conduit (except CNP)
- IECEx-ATEX approved barrier fittings to provide seal around loose wires inside a SEALTITE® conduit
- Barrier around loose wires created through a bi-compound epoxy sealing supplied with the fitting
- IP 67 on the conduit and IP 66 between fitting and switchbox
- Excellent corrosion resistance with AISI-316 Stainless Steel

NOTE: For IECEx-ATEX applications, the fitting must be installed in pre-cut threads, without a lock nut.

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### SPECIFICATIONS

- AISI-316 Stainless Steel with PTFE clamping ring.
- Separate 2 compound epoxy is provided for creating a barrier.
- Color: Metallic
- Temp. range: -76°F to +266°F (-60°C to +130°C)
- IECEx-ATEX certified:  
CE0080 I M2 / II 2 GD / Ex d II C / Ex e II / Ex d I / Ex tD A 21 IP 66

### APPLICATIONS

- Metallic and Type B non-metallic flexible conduit
- Explosion-proof areas where Zone system used
- Machinery for export to other countries where Zone system used
- Superior corrosion resistance with 316 Stainless Steel

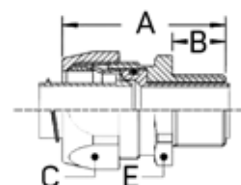
See: [www.iecex.com](http://www.iecex.com)  
[www.anacondasealtite.com](http://www.anacondasealtite.com)



## BARRIER BXA NPT



Trade Size	Item ID	Min. Int. Bore (mm)	Dimensions (inches)				KO Size NPT	Weight (lbs/100)	Std. Pkg.
			A	B	C	E			
1/2"	8370169	13.8	1.457	0.512	1.024	1.063	1/2"	24.7	10
3/4"	8370209	18.5	1.457	0.512	1.142	1.299	3/4"	33.7	5
1"	8370269	23.8	1.575	0.591	1.379	1.732	1"	59.3	5



IP 66/67 with approved conduit