RIBCO

EXPLOSION PROOF EQUIPMENT

CATALOGO 2021

Certified by

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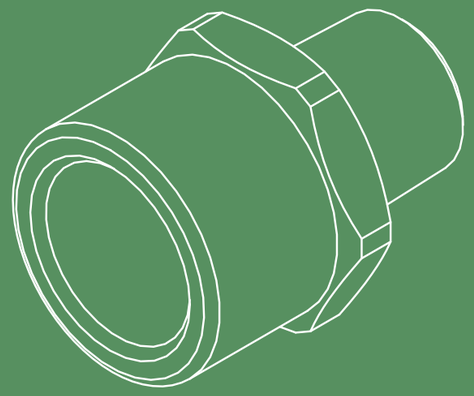
Fittings

Reducer and adaptor series RE, stopping plugs series PL, nipple male to male series NP, couplings female to female series EM and 90° bend female to female series ELF are cable entry devices used for the electrical connection of a local control station located in classified area Zone 1 & Zone 21.

All products are certified:



FITTINGS

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2021 REV.01

RE Series

Explosion proof reducer from male to female thread.

Features

Material used: nickel plated brass CW614N

Operating temperature: -40°C up to 100°C with EPDM sealing rings

NPT thread: from 3/8" up to 2"

ISO 262 thread: from M16x1.5 up to M63x1.5

Degree of protection: IP66

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

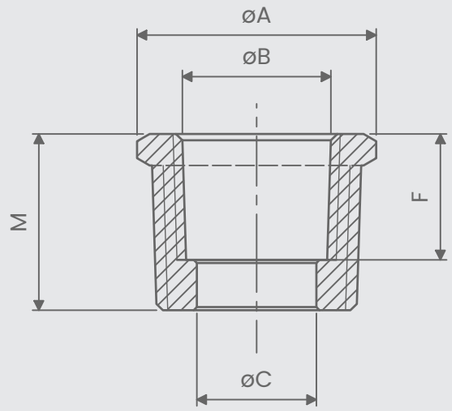
ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

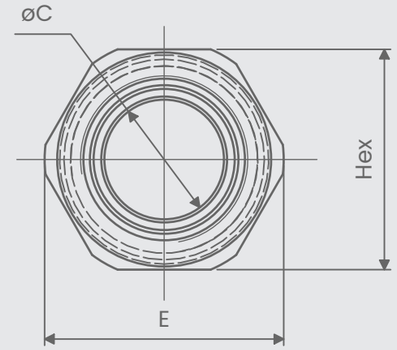
Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)
- Red silicon sealings rings with operating temperature range from -60°C up to 180°C

REDUCER MALE / FEMALE

NPT - NPT

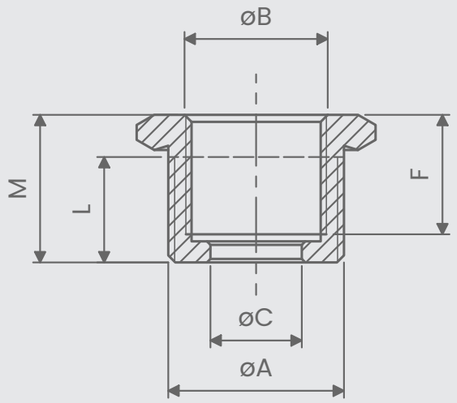


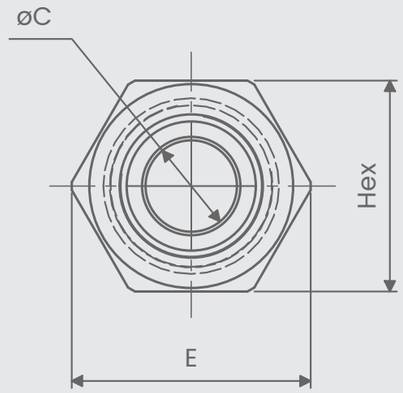


Code	ØA	ØB	M	F	Hex	øC	E
RE138B	1/2"	3/8"	22	19	24	10	27
RE21B	3/4"	1/2"	23	20	28	13	31
RE31B	1"	1/2"	28	20	35	13	38
RE32B	1"	3/4"	28	20	35	19	38
RE42B	1.1/4"	3/4"	29	20	44	19	48
RE43B	1.1/4"	1"	29	25	44	25	48
RE53B	1.1/2"	1"	29	25	50	25	54
RE54B	1.1/2"	1.1/4"	29	25	50	32	54
RE64B	2"	1.1/4"	30	25	62	32	67
RE65B	2"	1.1/2"	30	25	62	38	67

REDUCER MALE / FEMALE

ISO - ISO

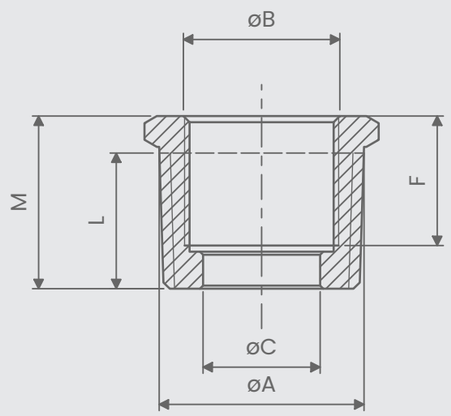


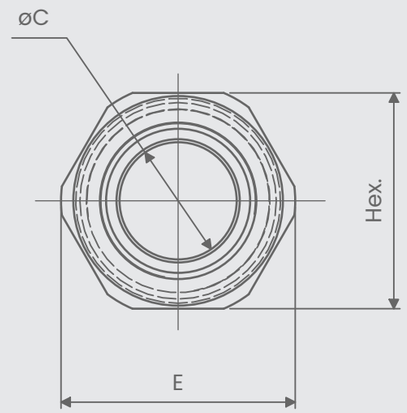


Code	Ø A	Ø B	M	F	L	Hex	øC	E
RE2016B	M20x1.5	M16x1.5	20	16	17	26	10	28
RE2520B	M25x1.5	M20x1.5	21	17	18	30	13	34
RE3220B	M32x1.5	M20x1.5	21	17	18	38	13	42
RE3225B	M32x1.5	M25x1.5	21	17	18	38	19	42
RE4025B	M40x1.5	M25x1.5	24	20	18	46	19	50
RE4032B	M40x1.5	M32x1.5	24	20	18	46	25	50
RE5032B	M50x1.5	M32x1.5	24	20	18	56	25	60
RE5040B	M50x1.5	M40x1.5	24	20	18	56	32	60
RE6340B	M63x1.5	M40x1.5	25	20	18	70	32	75
RE6350B	M63x1.5	M50x1.5	25	20	18	70	42	75

REDUCER MALE / FEMALE

NPT - ISO

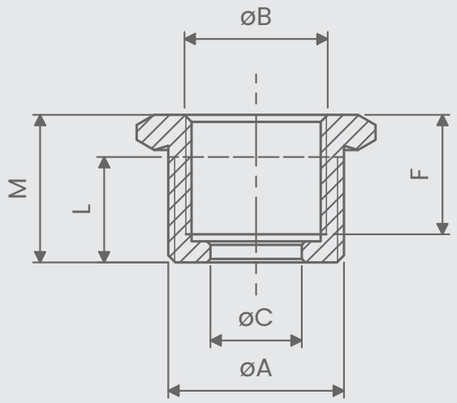


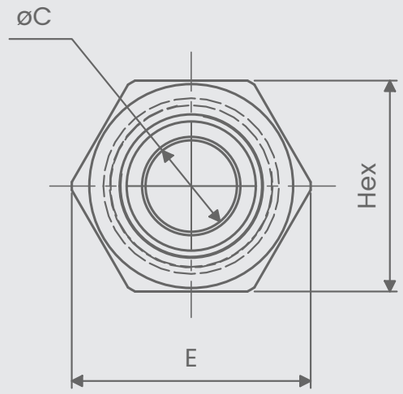


Code	Ø A	Ø B	M	F	L	Hex	øC	E
RE1N16MB	1/2“	M20x1.5	22	18	17	22	10	24
RE2N20MB	3/4“	M20x1.5	23	19	17	28	13	31
RE3N20MB	1“	M20x1.5	28	21	22	35	13	38
RE3N25MB	1“	M25x.15	28	21	22	35	19	38
RE4N25MB	1.1/4“	M25x.15	29	22	23	44	19	48
RE4N32MB	1.1/4“	M32x.15	29	22	23	44	25	48
RE5N32MB	1.1/2“	M32x.15	29	22	23	50	25	54
RE5N40MB	1.1/2“	M40x.15	29	22	23	50	32	54
RE6N40MB	2“	M40x.15	30	22	23	62	32	67
RE6N50MB	2“	M50x.15	30	22	23	62	42	67

REDUCER MALE / FEMALE

ISO - NPT





Code	Ø A	Ø B	M	F	L	Hex	øC	E
RE20M38NB	M20x1.5	3/8"	20	16	15	26	10	28
RE25M1NB	M25x1.5	1/2"	20	17	15	30	13	34
RE32M1NB	M32x1.5	1/2"	22	17	15	38	13	42
RE32M2NB	M32x1.5	3/4"	22	17	15	38	19	42
RE40M2NB	M40x1.5	3/4"	24	19	18	46	19	50
RE40M3NB	M40x1.5	1"	27	24	18	46	25	50
RE50M3NB	M50x1.5	1"	27	24	18	56	25	60
RE50M4NB	M50x1.5	1.1/4"	27	24	18	56	32	60
RE63M4NB	M63x1.5	1.1/4"	27	24	18	70	32	75
RE63M5NB	M63x1.5	1.1/2"	27	24	18	70	38	75

2021 REV.01

REB Series

Explosion proof reducer from female to male thread.

Features

Material used: nickel plated brass CW614N

Operating temperature: -40°C up to 100°C with EPDM sealing rings

NPT thread: from 3/8" up to 2"

ISO 262 thread: from M16x1.5 up to M63x1.5

Degree of protection: IP66

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

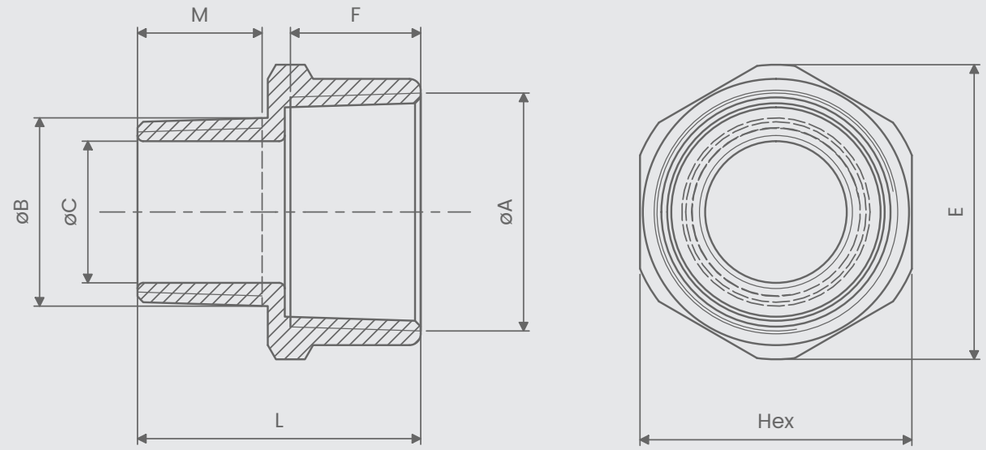
ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)
- Red silicon sealings rings with operating temperature range from -60°C up to 180°C

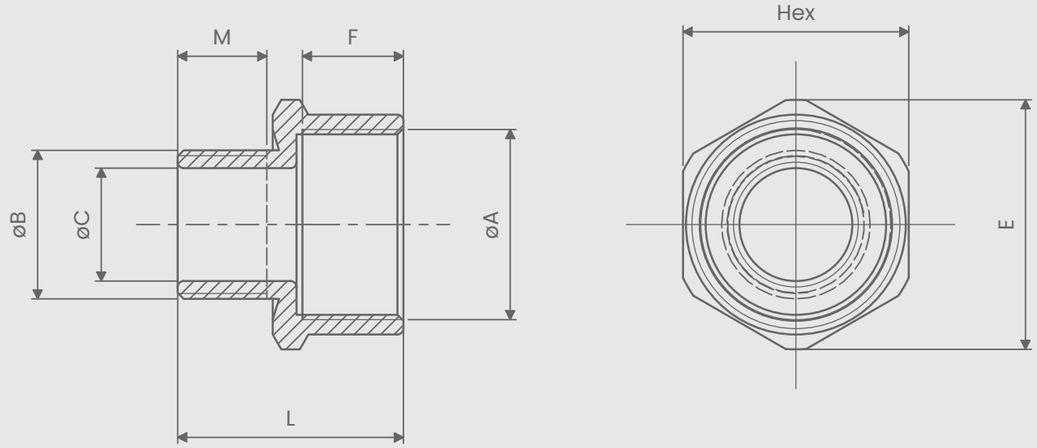
REDUCER FEMALE / MALE

NPT - NPT



Code	ØA	ØB	M	F	L	øC	Hex	E
REB138B	1/2"	3/8"	15	16	38	10	24	27
REB21B	3/4"	1/2"	17	16	40	13	30	34
REB31B	1"	1/2"	17	21	45	13	38	42
REB32B	1"	3/4"	17	19	45	19	38	42
REB43B	1.1/4"	1"	23	24	50	25	48	52
REB54B	1.1/2"	1.1/4"	23	24	50	32	52	58
REB65B	2"	1.1/2"	23	24	50	38	64	70

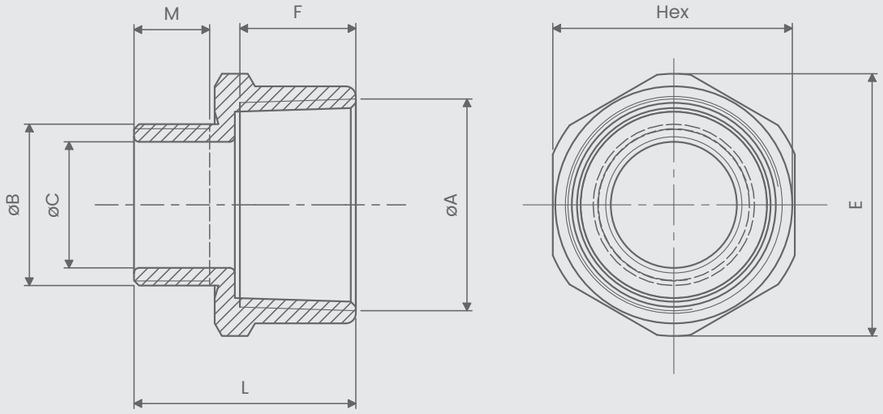
ISO - ISO



Code	Ø A	Ø B	M	F	L	Hex	øC	E
REB2016B	M20x1.5	M16x1.5	15	17	38	27	10	30
REB2520B	M25x1.5	M20x1.5	15	17	38	30	13	33
REB3220B	M32x1.5	M20x1.5	15	17	38	38	13	42
REB3225B	M32x1.5	M25x1.5	15	17	38	38	19	42
REB4032B	M40x1.5	M32x1.5	15	19	40	46	25	50
REB5040B	M50x1.5	M40x1.5	17	19	42	56	32	60
REB6350B	M63x1.5	M50x1.5	17	19	42	70	42	75

REDUCER FEMALE / MALE

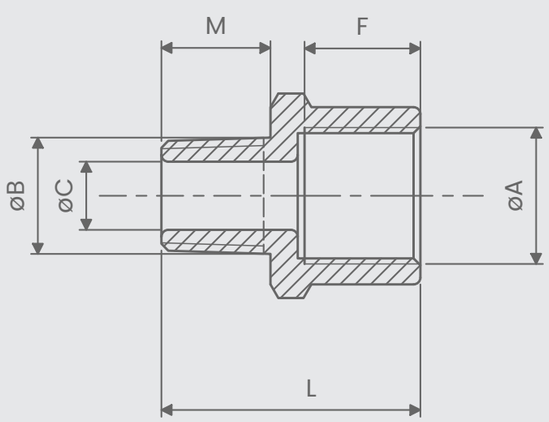
NPT - ISO

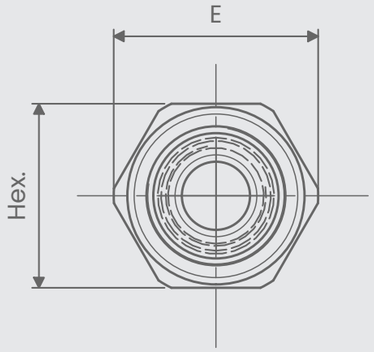


Code	Ø A	Ø B	M	F	L	Hex	øC	E
REB38N16MB	3/8“	M16x1.5	15	16	37	24	10	27
REB1N20MB	1/2“	M20x1.5	15	18	39	27	13	30
REB2N20MB	3/4“	M20x1.5	15	18	39	30	13	33
REB3N20MB	1“	M20x.1.5	15	23	44	38	13	42
REB2N25MB	3/4“	M25x.1.5	15	23	39	30	19	33
REB3N25MB	1“	M25x.1.5	15	23	44	38	19	42
REB3N32MB	1“	M32x.1.5	15	23	44	38	25	42
REB4N32MB	1.1/4“	M32x.1.5	16	24	44	48	25	52
REB4N40MB	1.1/4“	M40x.1.5	18	24	46	48	32	52
REB5N40MB	1.1/2“	M40x.1.5	18	24	46	56	32	61
REB5N50MB	1.1/2“	M50x1.5	18	24	46	56	38	61
REB6N50MB	2“	M50x1.5	18	24	46	70	38	76
REB6N63MB	2“	M63x1.5	18	24	46	70	50	76

REDUCER FEMALE / MALE

ISO - NPT





Code	Ø A	Ø B	M	F	L	Hex	øC	E
REB16M38NB	M16x1.5	3/8“	15	17	38	22	10	24
REB20M1NB	M20x1.5	1/2“	17	17	40	27	13	30
REB25M1NB	M25x1.5	1/2“	17	17	40	30	13	34
REB25M2NB	M25x1.5	3/4“	17	17	40	30	19	34
REB32M1NB	M32x1.5	1/2“	17	17	40	38	13	42
REB32M2NB	M32x1.5	3/4“	17	17	40	38	19	42
REB32M3NB	M32x1.5	1“	23	17	45	38	25	42
REB40M3NB	M40x1.5	1“	23	20	47	45	25	50
REB40M4NB	M40x1.5	1.1/4“	23	20	47	45	32	50
REB50M4NB	M50x1.5	1.1/4“	23	20	47	56	32	60
REB50M5NB	M50x1.5	1.1/2“	23	20	47	56	38	60
REB63M5NB	M63x1.5	1.1/2“	23	20	47	70	38	75
REB63M6NB	M63x1.5	2“	23	20	47	70	50	75

2021 REV.01

PLG Series

Stoppping plug with hexagon cavity on the head. Used for closing unsued entries.

Features

Material used: nickel plated brass CW614N

Operating temperature: -40°C up to 100°C with EPDM sealing rings

NPT thread: from 3/8" up to 3"

ISO 262 thread: from M16x1.5 up to M90x1.5

Degree of protection: IP66

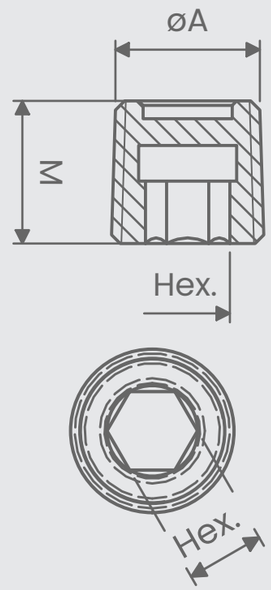
ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

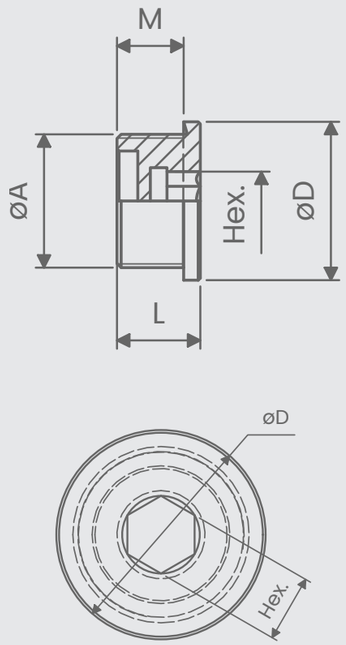
- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)
- Red silicon sealings rings with operating temperature range from -60°C up to 180°C

NPT



Code	øA [NPT]	M	Hex
PLG38B	3/8"	16	8
PLG1B	1/2"	18	10
PLG2B	3/4"	18	10
PLG3B	1"	22	12
PLG4B	1.1/4"	22	12
PLG5B	1.1/2"	22	12
PLG6B	2"	22	12
PLG7B	2.1/2"	29	14
PLG8B	3"	29	14

ISO



Code	øA [NPT]	M	øD	Hex.	L
PLG16B	M16x1.5	16	22	10	20
PLG20B	M20x1.5	16	26	10	20
PLG25B	M25x1.5	16	31	10	20
PLG32B	M32x1.5	16	38	12	20
PLG40B	M40x1.5	18	50	12	23
PLG50B	M50x1.5	18	60	12	23
PLG63B	M63x1.5	18	73	12	23
PLG75B	M75x1.5	20	85	14	26
PLG80B	M80x1.5	20	90	14	26
PLG85B	M85x1.5	20	95	14	26
PLG90B	M90x1.5	20	100	14	26

STOPPING PLUG

PLD Series

Stoppping plug with hexagon cavity on the head. Used for closing unsued entries on box series RI/ROI.

Features

Material used: nickel plated brass CW614N

Operating temperature:-40°C up to 100°C with EPDM sealing rings

NPT thread: from 1/2" up to 2"

ISO 262 thread: from M20x1.5 up to M63x1.5

Degree of protection: IP66

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

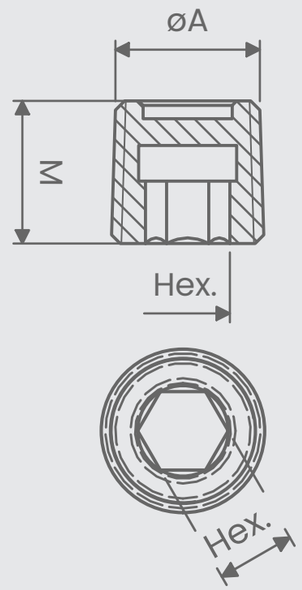
ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)
- Red silicon sealings rings with operating temperature range from -60°C up to 180°C

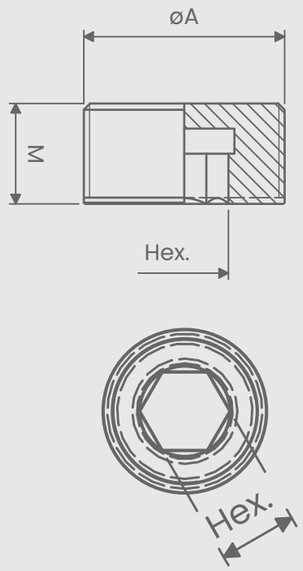
STOPPING PLUG

NPT



Code	øA [NPT]	M	Hex
PLD1B	1/2"	15	10
PLD2B	3/4"	15	10
PLD3B	1"	17	12
PLD5B	1.1/2"	18	12
PLD6B	2"	20	12

ISO



Code	øA [NPT]	M	Hex
PLD20B	M20x1.5	14	10
PLD25B	M25x1.5	14	10
PLG32B	M32x1.5	16	12
PLG50B	M50x1.5	16	12
PLG63B	M63x1.5	16	12

PLE Series

Stoppping plug with hexagon head.

Features

Material used: nickel plated brass CW614N

Operating temperature:-40°C up to 100°C with EPDM sealing rings

NPT thread: from 1/2" up to 1"

ISO 262 thread: from M20x1.5 up to M32x1.5

Degree of protection: IP66

ATEX & IECEx Equipment Data for NPT threads		
Gas	Group II Zone 1	Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

ATEX & IECEx Equipment Data for ISO 262 threads		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

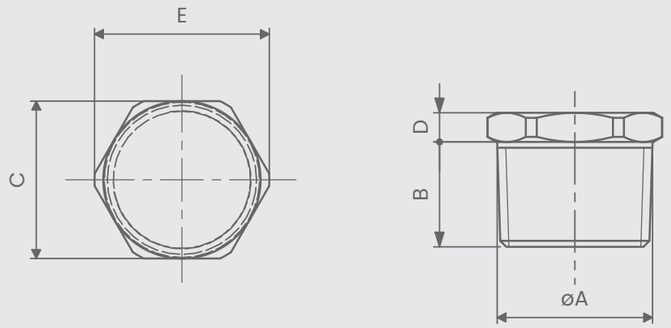
ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)
- Red silicon sealings rings with operating temperature range from -60°C up to 180°C

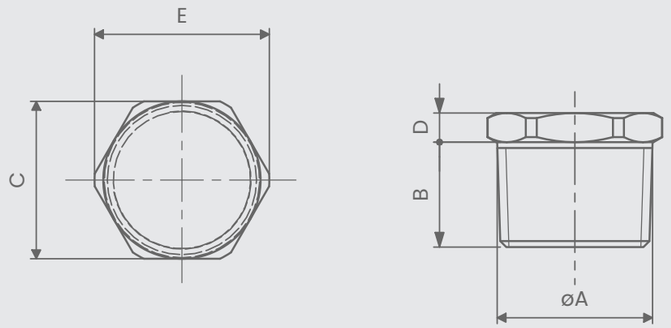
STOPPING PLUG

NPT



Code	ØA [NPT]	B	C	D	E
PLE1S	1/2"	18	22	5	25
PLE2S	3/4"	18	27	5	30
PLE3S	1"	22	35	6	39

ISO



Code	ØA [ISO]	B	C	D	E
PLE20S	M20x1.5	18	22	5	25
PLE25S	M25x1.5	18	27	5	30
PLE32S	M32x1.5	22	35	6	39

NP Series

The Nipples Series NP are used to joint together equipments or other reducers with female entry.

Features

Material used: nickel plated brass CW614N

Operating temperature: -60°C up to 180°C

NPT thread: from 3/8" up to 3"

ISO 262 thread: from M16x1.5 up to M90x1.5

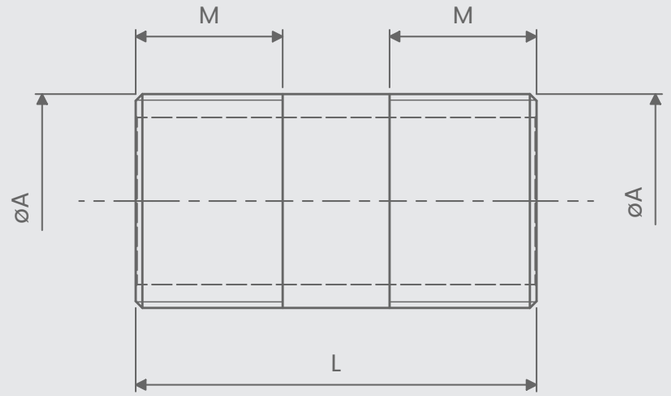
Degree of protection: IP66

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)



Code	ØA	M	L
NP38B	3/8" NPT	16	40
NP1B	1/2" NPT	18	50
NP2B	3/4" NPT	18	50
NP3B	1" NPT	23	60
NP4B	1.1/4" NPT	23	60
NP5B	1.1/2" NPT	23	60
NP6B	2" NPT	23	60
NP7B	2.1/2" NPT	28	70
NP8B	3" NPT	28	70
NP16B	M16x1.5	16	40
NP20B	M20x1.5	16	50
NP25B	M25x1.5	16	50
NP32B	M32x1.5	16	60
NP40B	M40x1.5	18	60
NP50B	M50x1.5	18	60
NP63B	M63x1.5	18	60
NP75B	M75x1.5	20	70
NP90B	M90x1.5	20	70

EM Series

The Couplings Series EM are used to join tubes with terminal male threading.

Features

Material used: nickel plated brass CW614N

Operating temperature: -60°C up to 180°C

NPT thread: from 3/8" up to 3"

ISO 262 thread: from M16x1.5 up to M90x1.5

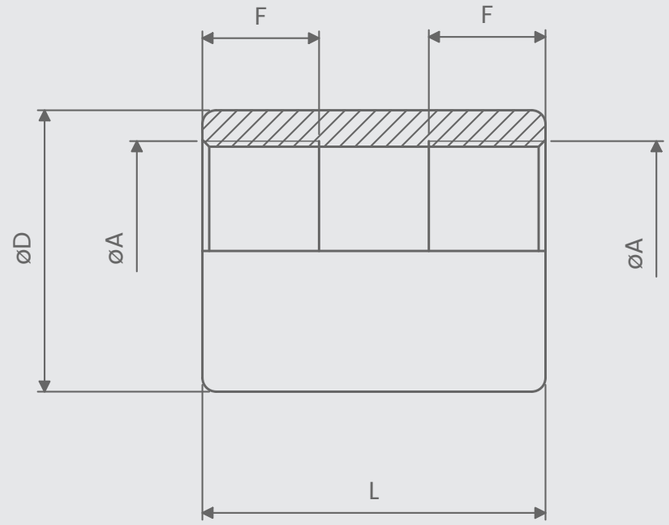
Degree of protection: IP66

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Stainless steel AISI 316L construction
- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)



Code	ØA	F	ØD	L
EM38B	3/8" NPT	17	22	40
EM1B	1/2" NPT	19	27	40
EM2B	3/4" NPT	19	31	40
EM3B	1" NPT	24	38	50
EM4B	1.1/4" NPT	24	46	50
EM5B	1.1/2" NPT	24	56	50
EM6B	2" NPT	24	66	50
EM7B	2.1/2" NPT	32	82	70
EM8B	3" NPT	32	92	70
EM16B	M16x1.5	18	22	40
EM20B	M20x1.5	18	27	40
EM25B	M25x1.5	18	31	40
EM32B	M32x1.5	18	38	50
EM40B	M40x1.5	20	46	50
EM50B	M50x1.5	20	56	50
EM63B	M63x1.5	20	70	50
EM75B	M75x1.5	24	82	70
EM90B	M90x1.5	24	98	70

ELF Series

The Bends angle 90° Series ELF are used in the electrical installation in tube.

Features

Material used: stainless steel AISI 316L

Operating temperature: -60°C up to 180°C

NPT thread: from 3/8" up to 3"

ISO 262 thread: from M16x1.5 up to M90x1.5

Degree of protection: IP66

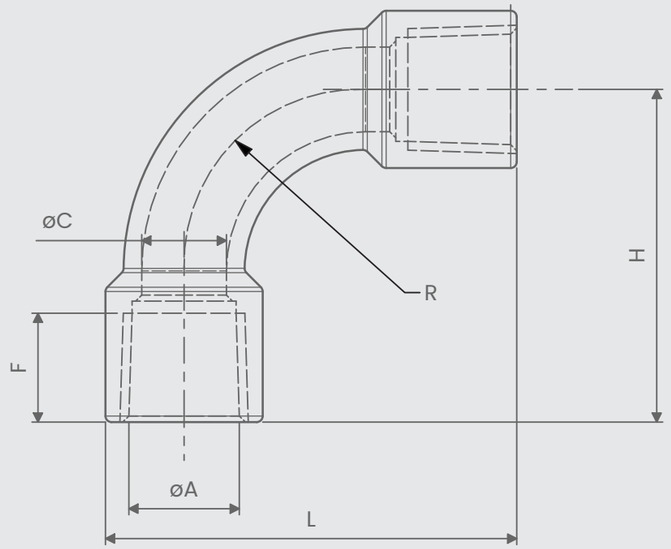
ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex d IIC Gb Ex e IIC Gb
Dust	Group II Zone 21	Ex tb IIIC Db IP66

ATEX Certificate	IECEx Certificate
INERIS 14 ATEX 0029X	IECEx INE 14.0038X

Options available

- Aluminium construction (available on demand)
- Galavanized steel construction (available on demand)

BENDS



Code	ØA	F	L	ØC	R	H
ELF1S	1/2" NPT	19	68	13	33	55
ELF2S	3/4" NPT	19	71	19	33	55
ELF3S	1" NPT	24	85	25	37	65
ELF4S	1.1/4" NPT	24	98	32	47	75
ELF5S	1.1/2" NPT	24	111	38	57	85
ELF6S	2" NPT	24	133	50	72	100
ELF7S	2.1/2" NPT	32	175	60	95	135
ELF8S	3" NPT	32	210	75	120	160
ELF20S	M20x1.5	19	68	13	33	55
ELF25S	M25x1.5	19	71	19	33	55
ELF32S	M32x1.5	24	85	25	37	65
ELF40S	M40x1.5	24	99	32	47	75
ELF50S	M50x1.5	24	111	42	55	85
ELF63S	M63x1.5	24	136	55	70	100
ELF75S	M75x1.5	24	117,5	65	105	135
ELF90S	M90x1.5	24	210	80	130	160

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