

Certified accessories for hazardous areas

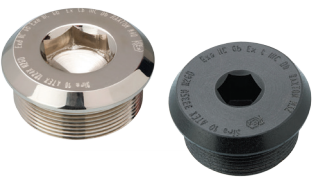
INTRODUCTION

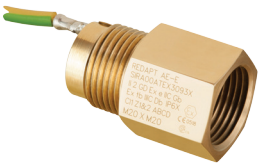
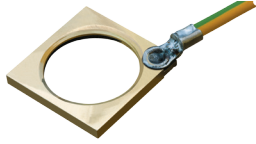
HAZARDOUS AREA CABLE GLANDS

HAZARDOUS AREA ACCESSORIES

INDUSTRIAL CABLE GLANDS AND ACCESSORIES

TECHNICAL GUIDE

Stopping plugs		Thread forms	Material options	Key points
Type CQ dome head stopping plug page 3.6		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Mild steel - Aluminium - Glass-filled nylon	- Ex d / Ex e - ATEX / IECEx / CSA - EAC / INMETRO - NEPSI - IP66 / IP67 -20°C to +65°C (nylon)
Type CB flush fitting stopping plug page 3.7		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Aluminium	- Ex d / Ex e - ATEX / IECEx / CSA - EAC / INMETRO - NEPSI - IP66 / IP68 - Tighten with allen key - Externally accessible
Type CF tamperproof stopping plug page 3.7		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Aluminium	- Ex d / Ex e - ATEX / IECEx / CSA - EAC / INMETRO - NEPSI - IP66 / IP68 - Tighten from inside equipment for security
Type CK hex head stopping plug page 3.8		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Mild steel - Aluminium	- Ex d / Ex e - ATEX / IECEx / CSA - EAC / INMETRO - NEPSI - IP66 / IP68
Type CY hollow hex head stopping plug page 3.9		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Mild steel	- Ex d / Ex e - ATEX / IECEx / EAC - INMETRO / NEPSI - IP66 / IP68

Accessories		Thread forms	Material options	Key points
Earth lead adaptors page 3.16		- Metric - NPT	- Brass - Stainless steel - Mild steel - Aluminium	- Ex e - ATEX / IECEx / CSA - EAC -20°C to +40°C - Supplied with earth lead
Threaded earth plates page 3.17		- Metric - NPT	Brass	- Ex e - ATEX - Supplied with earth lead
Unions page 3.24		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Aluminium	- Ex d - ATEX / CSA / EAC - IP66 / IP68 -50°C to +180°C
Accessories: bushes, couplers, nipples page 3.25		- Metric - NPT - Other threadforms available	- Brass - Stainless steel - Mild steel - Aluminium - Nylon	- Wide range of sizes and threadforms available - Plating available on metallic finishes

Metallic adaptors and reducers - Raxton

Hazardous area accessories



Type AB hexagonal



Type BB hexagonal

Features

- Allows conversion of thread type or size in existing equipment
- Maintains Ex certification while matching threadforms
- International Ex certifications
- Ingress protection IP66/IP68
- Various threadforms and materials available



Technical specification

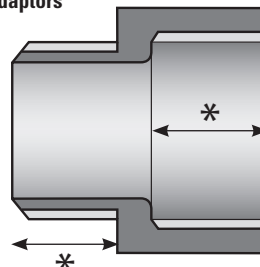
Metallic adaptors and reducers	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb (not aluminium) Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1225X, ITS 16 ATEX 101336X
IEC Ex certification	IECEx SIR 07.0010X, IECEx SIR 12.0014X, IECEx ITS16.0011X
Other certificates	CSA: CSA 200455-1003277 (brass and stainless steel only) EAC: TC RUC-G B.ГБ06.B.00105 INMETRO: NCC 12.0764X NEPSI: GYJ13.1313X
Temperature range	metallic products are not given an operating temperature range
Ingress protection	IP66 / IP68
Material	brass, aluminium, mild steel, stainless steel 316L

Dimensions

THREAD SIZE	ADAPTORS (AB)		REDUCERS (BB)	
	MALETHREAD MAX. BORE	ACROSS FLATS	MALETHREAD MAX. BORE	
M16	11.0	20.8	20.8	
M20	14.3	23.4	23.4	
M25	20.5	27.9	27.9	
M32	26.8	37.6	37.6	
M40	33.5	47.2	47.2	
M50	44.0	56.4	56.4	
M63	55.2	70.1	70.1	
M75	66.7	80.0	80.0	
M90 x 2.0	80.0	105.0	105.0	

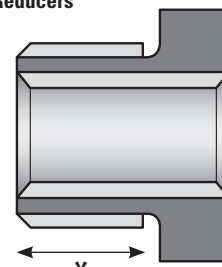
Adaptors : metallic adaptors are available for up to two step sizing, e.g. M20 male x M32 female.
Example : male x M32 / female x M50. All dimensions in mm.

Adaptors



* Minimum 8 full threads parallel,
5 full threads taper. (Exd)

Reducers



* Minimum 6 full threads parallel,
5 full threads taper (Exd)

Ordering codes (Raxton)

DIGITS 1 & 2				DIGIT 3				DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE				DIGIT 8		DIGIT 9		DIGIT 10	
DESCRIPTION	CODE	MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE				
M-F adaptor	AB	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank				
M-F reducer	BB	Aluminium	B	M20	12	¾" NPT	43			Nickel		N					
		Mild steel	C	M25	13	1" NPT	44			Integrated O-ring	U	Zinc	Z				
		Stainless steel 316L	E	M32	14	1¼" NPT	45					Chrome	C				
				M40	15	1½" NPT	46					Special	S				
				M50	16	2" NPT	47	For other approvals please see the product coding list on page 3.24									
				M63	17	2½" NPT	48										
				M75	18	3" NPT	49	Industrial	X or blank								

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	ADAPTOR	BRASS	1" NPT (M)	M32 (F)	Ex d / Ex e	REFERENCE
	AB	A	44	14	Y	= ABA4414Y

For more information about product coding, see page 3.24



Glass-filled nylon adaptors and reducers - Raxton

Hazardous area accessories

INTRODUCTION



Type AJ round



Type BJ round

Features

- Allows conversion of thread type or size in existing equipment
- Maintains Ex certification while matching threadforms
- International Ex certifications
- Ingress protection IP66/IP68
- Various threadforms available



2G

2D

IP66

IP68

Technical specification

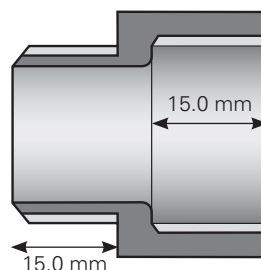
Nylon adaptors and reducers	
ATEX marking	Ex II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10ATEX1225X, ITS16ATEX101336X, SIRA 00ATEX1073U (M16 only)
IEC Ex certification	IECEx SIR 07.0010X, IECEx SIR 12.0014X, IECEx ITS16.0011X
Other certificates	EAC: TC RUC-G B.ГБ06.B.00105 INMETRO: NCC 12.0764X
Temperature range	-20 °C to +65 °C
Ingress protection	IP66 / IP68
Material	glass-filled nylon

Dimensions

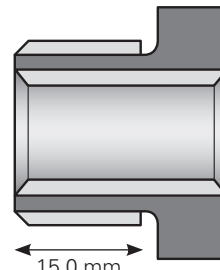
THREAD SIZE	ADAPTOR (AJ) MALE THREAD MAX BORE	ADAPTOR (AJ) HEAD DIAMETER	REDUCER (BJ) MALE THREAD MAX BORE
M16	8.0	24.0	22.0
M20	12.5	27.5	25.0
M25	17.5	35.5	30.0
M32	24.5	41.0	38.0
M40	32.5	50.0	46.0
M50	42.5	60.0	56.0
M63	53.0	75.0	70.0
M75	64.0	85.0	81.0
M90 x 2.0	76.0	100.0	96.0

All dimensions in mm.

Adaptors



Reducers



Ordering codes (Raxton)

DIGITS 1 & 2				DIGIT 3				DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE				DIGIT 8		DIGIT 9		DIGIT 10	
DESCRIPTION	CODE	MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE				
M-F adaptor	AJ	Glass-filled nylon	M	M16	11	½" NPT	42	ATEX Ex e	E	None (standard)	X or blank	None	blank				
M-F reducer	BJ			M20	12	¾" NPT	43										
				M25	13	1" NPT	44										
				M32	14	1¼" NPT	45										
				M40	15	1½" NPT	46										
				M50	16	2" NPT	47	For other approvals please see the product coding list on page 3.24									
				M63	17	2½" NPT	48										
				M75	18	3" NPT	49	Industrial	X or blank								

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	REDUCER	G.F. NYLON	M32 (M)	M25 (F)	Ex e	REFERENCE
	BJ	M	14	13	E	= BJM1413E

For more information about product coding, see page 3.24

HAZARDOUS AREA CABLE GLANDS

HAZARDOUS AREA ACCESSORIES

INDUSTRIAL CABLE GLANDS
AND ACCESSORIES

TECHNICAL GUIDE

Type CQ dome head stopping plugs - Raxton

Hazardous area accessories



Features

- Securely closes off unused entries
- Maintains Ex certification
- Maintains IP integrity
- Ingress protection IP66/IP67
- International Ex certifications
- Various threadforms and materials available



IP66

IP67

Technical specification

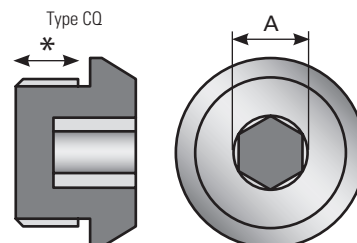
Type CQ stopping plugs	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb, Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
ATEX marking (nylon)	Ex II 2 GD, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1224X, ITS 16 ATEX 101335X
ATEX certification (nylon)	SIRA 10 ATEX 1225X, ITS 16 ATEX 101335X, SIRA 00 ATEX 1073U (M16 only)
IEC Ex certification	IECEx SIR 07.0009X, IECEx ITS16.0012X
IEC Ex certification (nylon)	IECEx SIR 12.0014X, IECEx ITS16.0012X
Other certificates	CSA: CSA 200455-1003277 GOST: TC RUC-G B.ГБ506.B.00105 INMETRO: NCC 12.0764X NEPSI: GYJ13.1311X
Temperature range	-20 °C to +65 °C (nylon only)*, O-ring -30 °C to +125 °C
Ingress protection	IP66 / IP67
Material	brass, aluminium, mild steel, stainless steel 316L, glass-filled nylon

*This item is classified as a component; metallic products are not given an operating temperature range.

Dimensions

THREAD SIZE	DOMED HEAD ALLEN/HEX KEY APERTURE (A)	DOMED HEAD DIAMETER
M16	6.0	20.5
M20	10.0	25.0
M25	10.0	30.0
M32	10.0	38.0
M40	19.0	46.0
M50	19.0	56.0
M63	19.0	69.0
M75	19.0	81.0

All dimensions in mm.



* Minimum 8 full threads parallel, or 5 full threads taper (Ex d)

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (STOPPING PLUGS)		DIGIT 3		DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE (n/a)				DIGIT 8		DIGIT 9		DIGIT 10	
	CODE	MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE
Dome head stopping plug	CQ	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank
		Aluminium	B	M20	12	¾" NPT	43					Nickel	N
		Mild steel	C	M25	13	1" NPT	44					Zinc	Z
		Stainless steel 316L	E	M32	14	1¼" NPT	45					Chrome	C
		Glass-filled nylon	M	M40	15	1½" NPT	46	For other approvals please see the product coding list on page 3.24		Special	S		
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49	Industrial	X or blank				

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE		STOPPING PLUG	ST. STEEL 316L	M25 (M)	-	Ex d / Ex e	REFERENCE
		CQ	E	13	00	Y	= CQE1300Y

For more information about product coding, see page 3.24



Type CB and Type CF stopping plugs - Raxton

Hazardous area accessories



Type CB



Type CF

Features

- Securely closes off unused entries
- Maintains Ex certification
- Maintains IP integrity
- Type CB are flush fitting, tightened from outside equipment
- Type CF are tamperproof, flush fitting and tightened inside equipment
- Ingress protection IP66/IP68
- International Ex certifications
- Brass, stainless steel and aluminium versions available



2G

2D

IP66

IP68

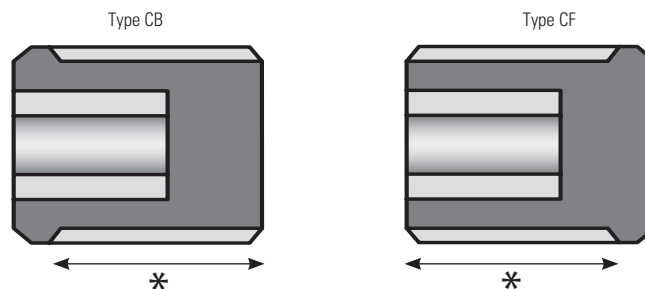
Technical specification

Type CF and CB stopping plugs	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb, Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1224X, ITS 16 ATEX 101335X
IEC Ex certification	IECEx SIR 07.0009X, IECEx ITS16.0012X
Other certificates	CSA: CSA 200455-1003277 GOST: TC RUC-G B.ГБ506.B.00105 INMETRO: NCC 12.0764X NEPSI: GYJ13.1311X
Temperature range	This item is classified as a component; metallic products are not given an operating temperature range.
Ingress protection	IP66 / IP68
Material	brass, stainless steel 316L, aluminium

Dimensions

THREAD SIZE	ALLEN KEY APERTURE	TOTAL LENGTH
M16	6.0	17.0
M20	10.0	17.0
M25	10.0	17.0
M32	10.0	17.0
M40	19.0	17.0
M50	19.0	17.0
M63	19.0	17.0
M75	19.0	17.0

All dimensions in mm.



* Minimum 8 full threads parallel, 5 full threads taper.(Exd)

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (STOPPING PLUGS)		DIGIT 3		DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE (n/a)				DIGIT 8		DIGIT 9		DIGIT 10	
CODE		MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE
CB flush fit stopping plug	CB	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank
		Aluminium	B	M20	12	¾" NPT	43					Nickel	N
CF tamperproof stopping plug	CF	Mild steel	C	M25	13	1" NPT	44	For other approvals please see the product coding list on page 3.24		Integrated O-ring	U	Zinc	Z
		Stainless steel 316L	E	M32	14	1¼" NPT	45					Chrome	C
				M40	15	1½" NPT	46					Special	S
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49	Industrial	X or blank				

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	STOPPING PLUG	BRASS	M32 (M)	-	Ex d / Ex e	REFERENCE
	CB	A	14	00	Y	= CBA1400Y

For more information about product coding, see page 3.24

Type CK hex head stopping plugs - Raxton

Hazardous area accessories



Features

- Securely closes off unused entries
- Maintains Ex certification
- Maintains IP integrity
- Ingress protection IP66/IP68
- International Ex certifications
- Various threadforms and materials available



Technical specification

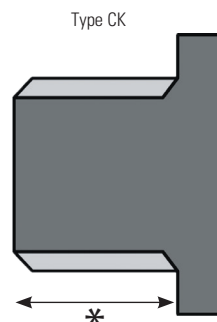
Type CK stopping plugs	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb, Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1224X, ITS 16 ATEX 101335X
IEC Ex certification	IECEx SIR 07.0009X, IECEx ITS16.0012X
Other certificates	CSA: CSA 200455-1003277 GOST: TC RUC-G B.ГБ506.В.00105 INMETRO: NCC 12.0764X NEPSI: GYJ13.1311X
Temperature range	metallic products are not given an operating temperature range
Ingress protection	IP66 / IP68
Material	brass, aluminium, mild steel, stainless steel 316L

*This item is classified as a component; metallic products are not given an operating temperature range.

Dimensions

THREAD SIZE	HEX HEAD ACROSS FLATS	OVERALL LENGTH
M16	19.0	19.0
M20	24.0	19.0
M25	27.9	19.0
M32	37.6	19.0
M40	47.2	19.5
M50	55.9	20.5
M63	70.0	22.0
M75	80.0	23.0

All dimensions in mm.



* Minimum 8 full threads parallel, 5 full threads taper.(Exd)

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (STOPPING PLUGS)		DIGIT 3		DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE (n/a)				DIGIT 8		DIGIT 9		DIGIT 10	
CODE		MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE
Hex head stopping plug	CK	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank
		Aluminium	B	M20	12	¾" NPT	43					Nickel	N
		Mild steel	C	M25	13	1" NPT	44					Zinc	Z
		Stainless steel 316L	E	M32	14	1¼" NPT	45	For other approvals please see the product coding list on page 3.24		Integrated O-ring	U	Chrome	C
				M40	15	1½" NPT	46					Special	S
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49	Industrial		X or blank			

Other sizes/threadforms available on request

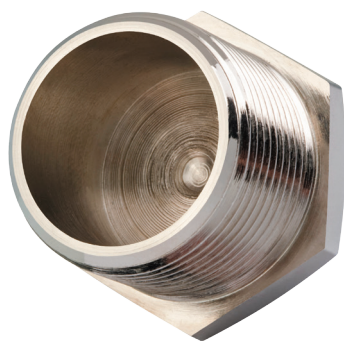
PRODUCT CODE EXAMPLE	STOPPING PLUG	ST. STEEL 316L	M25 (M)	-	Ex d / Ex e	REFERENCE
	CK	E	13	00	Y	= CKE1300Y

For more information about product coding, see page 3.24



Type CY hollow hex head stopping plugs - Raxton

Hazardous area accessories



Features

- Securely closes off unused entries
- Maintains Ex certification
- Maintains IP integrity
- Lighter product due to hollow design
- Ingress protection IP66/IP68
- International Ex certifications
- Brass, stainless steel and aluminium versions available



2G

2D

IP66

IP68

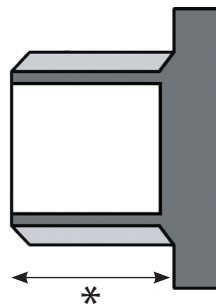
Technical specification

Type CY stopping plugs	
ATEX marking	Ex II 2 G, Ex d IIC Gb, Ex e IIC Gb Ex II 2D, Ex tb IIIC Db IP66
ATEX certification	SIRA 10 ATEX 1224X, ITS 16 ATEX 101335X
IEC Ex certification	IECEx SIR 07.0009X, IECEx ITS16.0012X
Other certificates	GOST: TC RUC-G B.ГБ506.B.00105 INMETRO: NCC 12.0764X NEPSI: GYJ13.1311X
Temperature range	This item is classified as a component; metallic products are not given an operating temperature range.
Ingress protection	IP66 / IP68
Material	brass, mild steel, stainless steel 316L

Dimensions

THREAD SIZE	ACROSS FLATS	TOTAL LENGTH
M16	19.0	19.0
M20	24.0	19.0
M25	27.9	19.0
M32	37.6	19.0
M40	47.2	19.5
M50	55.9	20.5
M63	70.0	22.0
M75	80.0	23.0

All dimensions in mm.



* Minimum 8 full threads parallel, or 5 full threads taper (Ex d)

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (STOPPING PLUGS) CODE		DIGIT 3 MATERIAL	CODE	DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE (n/a)				DIGIT 8 CERTIFICATE	CODE	DIGIT 9 SPECIAL	CODE	DIGIT 10 PLATING	CODE
Hex head stopping plug	CY	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank
		Aluminium	B	M20	12	¾" NPT	43			Integrated O-ring	U	Nickel	N
		Mild steel	C	M25	13	1" NPT	44					Zinc	Z
		Stainless steel 316L	E	M32	14	1¼" NPT	45					Chrome	C
				M40	15	1½" NPT	46	For other approvals please see the product coding list on page 3.24				Special	S
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49	Industrial		X or blank			

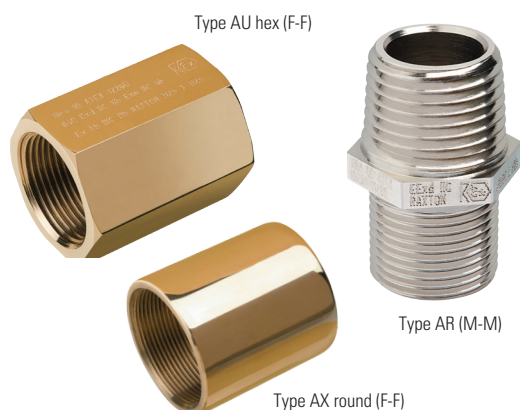
Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE		STOPPING PLUG	BRASS	M32 (M)	-	Ex d / Ex e	REFERENCE
		CY	A	14	00	Y	= CYA1400Y

For more information about product coding, see page 3.24

Male to male and female to female adaptors - Raxton

Hazardous area accessories



Features

- Use to connect male-male or female-female threads
- Allows conversion of thread type or size in existing equipment
- Maintains Ex certification
- International Ex certifications
- Ingress protection IP66/IP68
- Various threadforms and materials available
- Brass and stainless steel versions available



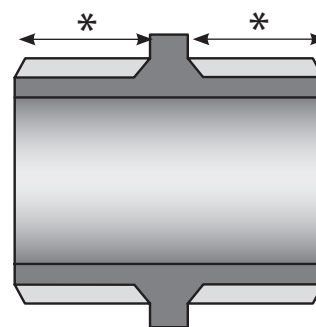
Technical specification

Male to male and female to female adaptors	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db
ATEX certification	SIRA 10 ATEX 1225X, ITS 16 ATEX 101336X
IEC Ex certification	IECEx SIR 12.0014X, IECEx ITS16.0011X
Other certificates	GOST: TC RUC-G B.ГБ06.B.00105 INMETRO: NCC 12.0764X
Temperature range	This item is classified as a component; metallic products are not given an operating temperature range
Ingress protection	IP6X
Material	brass, mild steel, stainless steel 316L

Dimensions

MALE TO MALE (TYPE AR)				FEMALE TO FEMALE (TYPE AU/AX)	
THREAD SIZE	LENGTH	ACROSS FLATS	BORE	LENGTH	ACROSS FLATS
M16	37.0	23.37	11.00	38.00	19.05
M20	37.5	23.37	14.00	38.00	24.00
M25	37.5	30.48	18.00	38.00	30.48
M32	37.5	37.59	24.00	38.00	37.59
M40	37.5	47.24	32.00	39.00	47.24
M50	38.0	55.88	41.00	39.00	55.88
M63	38.0	70.10	53.00	39.00	70.00
M75	38.5	80.01	64.00	39.00	90.00

All dimensions in mm.



* Minimum 8 full threads parallel, or 5 full threads taper (Ex d)

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (ADAPTORS)		DIGIT 3		DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE				DIGIT 8		DIGIT 9		DIGIT 10	
	CODE	MATERIAL	CODE	THREAD SIZE / CODE				CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE
M-M	AR	Brass	A	M16	11	½" NPT	42	ATEX / IECEx Ex de (all certificates)	Y	None (standard)	X or blank	None	blank
F-F hex	AU	Mild steel	C	M20	12	¾" NPT	43					Nickel	N
F-F round	AX	Stainless steel 316L	E	M25	13	1" NPT	44					Zinc	Z
				M32	14	1¼" NPT	45	For other approvals please see the product coding list on page 3.24				Chrome	C
				M40	15	1½" NPT	46					Special	S
				M50	16	2" NPT	47						
				M63	17	2½" NPT	48						
				M75	18	3" NPT	49	Industrial	X or blank				

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	M-M ADAPTOR	BRASS	M20 (M)	M20 (F)	Ex d / Ex e	REFERENCE
	AR	A	12	12	Y	= ARA1212Y

For more information about product coding, see page 3.24



2G

2D

IP54

Features

- Insulates the earth of the supply cable from the associated equipment
- Reduces the risk of damage to electronic equipment within the enclosure in the event of a short circuit to ground through the enclosure
- International Ex certifications
- Brass, stainless steel, mild steel and aluminium versions available

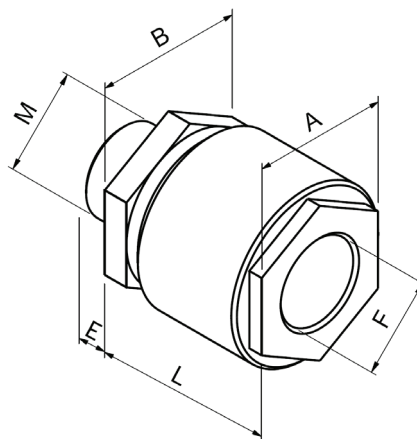
Technical specification

Insulating adaptors	
ATEX marking	Ex II 2 GD, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db
ATEX certification	ITS 16 ATEX 101088X
IEC Ex certification	IECEx ITS 16.0049X
Temperature range	-20 °C to +130 °C
Ingress protection	IP54
Material	brass, mild steel, stainless steel 316L, aluminium insulating material - glass-filled nylon

Dimensions

THREAD SIZE	THREAD LENGTH	TOTAL LENGTH
M16	15.0	64.0
M20	15.0	64.0
M25	15.0	64.0
M32	15.0	64.0
M40	15.0	64.0
M50	15.0	64.0
M63	15.0	64.0
M75	15.0	64.0

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (INS.ADP)	DIGIT 3		DIGIT 4		DIGIT 5		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE				
	CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE			
Insulating Adaptor	DB	Ex d / Ex e	U	Brass	1	None	0	M16	03	½" NPT	29
				Mild steel	2	Nickel	1	M20	04	¾" NPT	30
				Stainless steel 316L	3	Zinc	2	M25	05	1" NPT	31
				Aluminium	5			M32	06	1¼" NPT	32
								M40	07	1½" NPT	33
								M50	08	2" NPT	34
								M63	09	2½" NPT	35
								M75	10	3" NPT	36
Industrial		F									

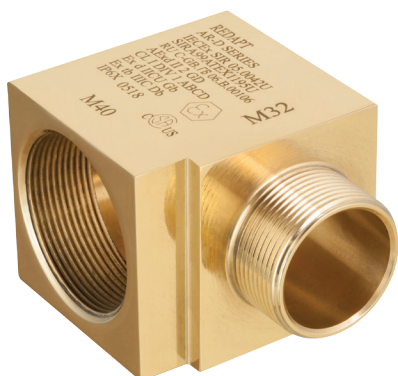
Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	INS.ADP.	Ex d / Ex e	BRASS	PLATING (NONE)	M25	M25	REFERENCE
	DB	U	1	0	05	05	= DBU100505

For more information about product coding, see page 3.25

Right angle adaptors - Redapt

Hazardous area accessories



Features

- Provides a means of connection where protrusion space is limited
- Allows the conversion of thread size/threadforms whilst connecting
- Maintains Ex certification whilst converting thread size or threadforms
- International Ex certifications
- Ingress protection IP66/IP68
- Various threadforms and materials available



2G

2D

IP66

IP68

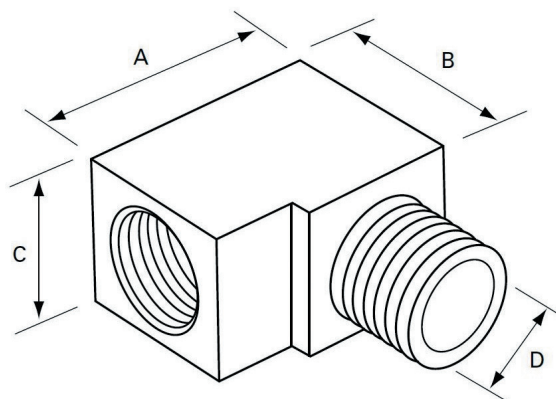
Technical specification

Right angle adaptors	
ATEX marking	Ex II 2 GD, Ex d IIC Gb, Ex tb IIIC Db, IP6X
ATEX certification	Sira 99 ATEX 1195U
IEC Ex certification	IECEx SIR 12.0016X
Other certificates	GOST: TC RUC-G B.ГБ06.8.00105 INMETRO: NCC 12.0764X
Temperature range	This item is classified as a component; metallic products are not given an operating temperature range
Ingress protection (IP)	IP66 / IP68
Material	brass, aluminium, stainless steel 316L

Dimensions

	BORE (D)	THREAD LENGTH	TOTAL HEIGHT (A)	LENGTH (B)	WIDTH (C)
M16 x M16	10.0	16.00	33.00	27.00	23.00
M20 x M20	14.5	16.00	39.00	29.00	25.00
M25 x M25	18.0	16.00	46.00	35.00	32.00
M32 x M32	24.0	16.00	51.00	44.00	40.00
M40 x M40	32.0	16.00	61.00	52.00	48.00
M50 x M50	41.0	16.00	73.00	65.00	60.00
M63 x M63	53.0	16.00	86.00	77.00	73.00
M75 x M75	64.0	16.00	99.00	94.00	87.00

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (R.A. ADAPTORS)		DIGIT 3 CERTIFICATE		DIGIT 4 MATERIAL		DIGIT 5 PLATING		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE THREAD SIZE / CODE		
CODE										
Right angle adaptor	AR	Ex d	D	Brass	1	None	0	M16	03	½" NPT 29
				Stainless steel 316L	3	Nickel	1	M20	04	¾" NPT 30
				Aluminium	5	Zinc	2	M25	05	1" NPT 31
								M32	06	1¼" NPT 32
								M40	07	1½" NPT 33
								M50	08	2" NPT 34
								M63	09	2½" NPT 35
								M75	10	3" NPT 36
				Industrial	F					

Other sizes/threadforms available on request

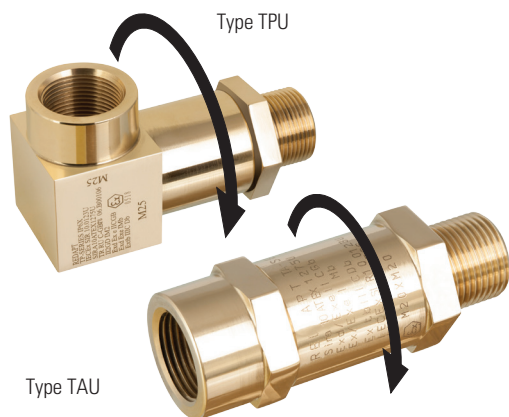
PRODUCT CODE EXAMPLE	R.A.ADP.	Ex d	BRASS	PLATING (NONE)	M25	M20	REFERENCE
	AR	D	1	0	05	04	= ARD100504

For more information about product coding, see page 3.25



Swivel adaptors - Redapt

Hazardous area accessories



Features

- Allows a full 360° of cable entry/exit positions
- The inline version allows independent connection at both ends
- Greatly improves ease of installation in confined or difficult locations
- Inline and right angle versions available
- International Ex certifications
- Ingress protection IP66/IP68
- Male/male and female/female options available
- Various threadforms and materials available

Technical specification

Swivel adaptors	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb (not aluminium) Ex II 2GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db II 2GD, Ex d Ex e IIC Gb, Ex d Ex e I Mb (not aluminium), Ex tb IIIC Db IP 6X
ATEX certification	SIRA 10 ATEX 1275U
IEC Ex certification	IECEx SIR 10.0123U, IECEx SIR 12.0016X (droit)
Temperature range	-20 °C to +60 °C (Ex d), -50 °C to +200 °C (Ex e)
Ingress protection	IP66 / IP68
Material	brass, stainless steel 316L, aluminium



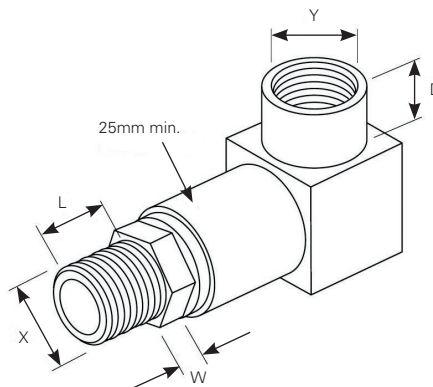
IP66

IP68

Dimensions

THREAD SIZE MALE (X)	THREAD SIZE FEMALE (Y)	L	W	D
M20	M20	17.0	4.0	17.0
M25	M20 to M25	17.0	4.0	17.0
M32	M20 to M32	17.0	5.0	17.0
M40	M20 to M40	17.0	5.0	17.0
M50	M20 to M50	17.0	5.0	17.0
M63	M20 to M63	17.0	5.0	17.0
M75	M20 to M75	17.0	5.0	17.0

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (ADPTOURNANTS)	DIGIT 3 CERTIFICATE	DIGIT 4 MATERIAL	DIGIT 5 PLATING	DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE THREAD SIZE / CODE
Swivel adaptor (inline)	TA	Brass	None	M16 03 ½" NPT 29
Swivel adaptor (90°)	TP	Stainless steel 316L	Nickel	M20 04 ¾" NPT 30
		Aluminium	Zinc	M25 05 1" NPT 31
				M32 06 1¼" NPT 32
				M40 07 1½" NPT 33
				M50 08 2" NPT 34
				M63 09 2½" NPT 35
				M75 10 3" NPT 36

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	SWIVEL ADP.	Ex d / Ex e	BRASS	PLATING (NONE)	M25	M20	REFERENCE
	TA	U	1	0	05	04	= TAU100504

For more information about product coding, see page 3.25

'Y' adaptors - Redapt

Hazardous area accessories



Features

- Allows additional connection in space-restricted environments
- Allows the conversion to another size and/or threadform
- Maintains Ex certification while converting to another size and/or threadform
- International Ex certifications
- Ingress protection IP66/IP68
- Brass, stainless steel, mild steel and aluminium versions available



2G

2D

IP66

IP68

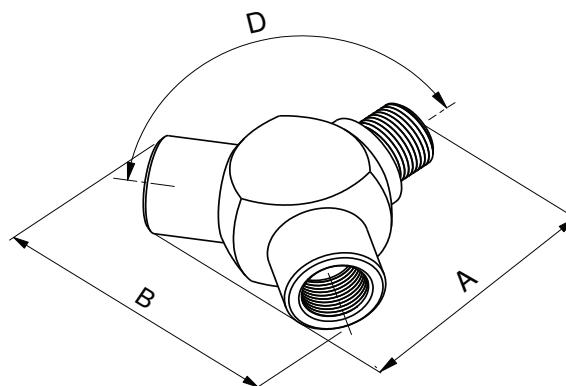
Technical specification

'Y' Adaptors	
ATEX marking	Ex I M2, Ex db I Mb, Ex eb I Mb (not aluminium) Ex II 2GD, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db IP 66
ATEX certification	ITS 16 ATEX 101340U
IEC Ex certification	IECEx ITS 16.0015U
Temperature range	-60 °C to +200 °C
Ingress protection	IP66 / IP68
Material	brass, aluminium, stainless steel 316L, mild steel

Dimensions

THREAD SIZE MALE	THREAD SIZE FEMALE	A (MAX)	B (MAX)	ANGLE BETWEEN ENTRIES "D"
M16	M16	65.00	75.00	120 °
M20	M20	65.00	75.00	120 °
M25	M25	67.00	78.00	120 °
M32	M32	70.00	81.00	120 °
M40	M40	89.00	102.00	120 °
M50	M50	104.00	120.00	120 °
M63	M63	131.00	151.00	120 °
M75	M75	153.00	177.00	120 °
¾"NPT	¾"NPT	65.00	75.00	120 °
½"NPT	½"NPT	65.00	75.00	120 °
¾"NPT	¾"NPT	67.00	78.00	120 °
1"NPT	1"NPT	78.00	90.00	120 °
1¼"NPT	1¼"NPT	89.00	102.00	120 °
1½"NPT	1½"NPT	104.00	120.00	120 °
2"NPT	2"NPT	131.00	151.00	120 °
2½"NPT	2½"NPT	153.00	177.00	120 °

All dimensions in mm.



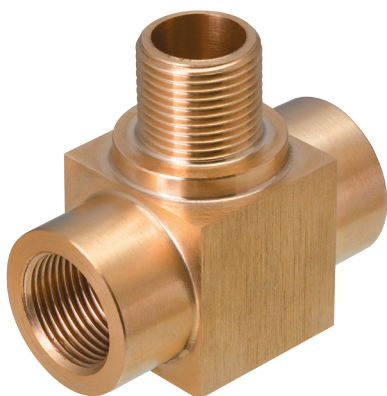
Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION ('Y' ADAPTORS)		DIGIT 3 CERTIFICATE		DIGIT 4 MATERIAL		DIGIT 5 PLATING		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE			
CODE								THREAD SIZE / CODE			
'Y' adaptor	AY	Ex d / Ex e	U	Brass	1	None	0	M16 03	½" NPT	29	
				Mild steel	2	Nickel	1	M20 04	¾" NPT	30	
				Stainless steel 316L	3	Zinc	2	M25 05	1" NPT	31	
				Aluminium	5			M32 06	1¼" NPT	32	
								M40 07	1½" NPT	33	
								M50 08	2" NPT	34	
								M63 09	2½" NPT	35	
								M75 10	3" NPT	36	
		Industrial	F								

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE		'Y' ADAPTOR	Ex d / Ex e	ST. STEEL	PLATING (NONE)	M32	M32	REFERENCE
		AY	U	3	0	06	06	= AYU300606

For more information about product coding, see page 3.25



IP66

IP68

Features

- Allows additional connection in space-restricted environments
- Allows the conversion to another size and/or threadform
- Maintains Ex certification while converting to another size and/or threadform
- International Ex certifications
- Ingress protection IP66/IP68
- Brass, stainless steel, mild steel and aluminium versions available

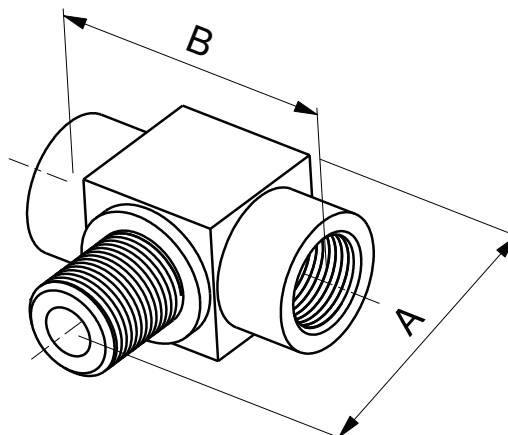
Technical specification

'T' adaptors	
ATEX marking	Ex I M2, Ex db I Mb, Ex eb I Mb (not aluminium) Ex II 2GD, Ex db IIC Gb, Ex eb IIC Gb, Ex tb IIIC Db IP 66
ATEX certification	ITS 16 ATEX 101340U
IEC Ex certification	IECEx ITS 16.0015U
Temperature range	-60 °C to +200 °C
Ingress protection	IP66 / IP68
Material	brass, mild steel, stainless steel 316L, aluminium

Dimensions

THREAD SIZE MALE	THREAD SIZE FEMALE	A (MAX)	B (MAX)
M16	M16 to M20	65.00	75.00
M20	M16 to M25	65.00	75.00
M25	M16 to M32	67.00	78.00
M32	M16 to M40	70.00	81.00
M40	M16 to M50	89.00	102.00
M50	M16 to M63	104.00	120.00
M63	M16 to M75	131.00	151.00
M75	M16 to M75	153.00	177.00
¾"NPT	¾"NPT to ½"NPT	65.00	75.00
½"NPT	¾"NPT to ¾"NPT	65.00	75.00
¾"NPT	¾"NPT to 1"NPT	67.00	78.00
1"NPT	¾"NPT to 1¼"NPT	78.00	90.00
1¼"NPT	¾"NPT to 1½"NPT	89.00	102.00
1½"NPT	¾"NPT to 2"NPT	104.00	120.00
2"NPT	¾"NPT to 2½"NPT	131.00	151.00
2½"NPT	¾"NPT to 2½"NPT	153.00	177.00

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION ('T' ADAPTORS)	DIGIT 3		DIGIT 4		DIGIT 5		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE				
	CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE			
'T' adaptor	AT	Ex d / Ex e	U	Brass	1	None	0	M16	03	½" NPT	29
				Mild steel	2	Nickel	1	M20	04	¾" NPT	30
				Stainless steel 316L	3	Zinc	2	M25	05	1" NPT	31
				Aluminium	5			M32	06	1¼" NPT	32
								M40	07	1½" NPT	33
								M50	08	2" NPT	34
								M63	09	2½" NPT	35
								M75	10	3" NPT	36
Industrial		F									

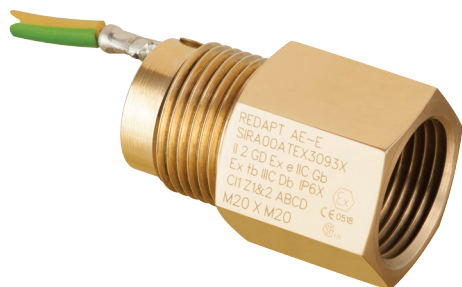
Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	'T' ADAPTOR	Ex d / Ex e	BRASS	PLATING (NONE)	M25	M25	REFERENCE
	AT	U	1	0	05	05	= ATU100505

For more information about product coding, see page 3.25

Earth lead adaptors - Redapt

Hazardous area accessories



Features

- Provides equipotential bonding or grounding of cable entries
- Maintains Ex certification
- International Ex certifications
- Various threadforms and materials available



2G

2D

IP66

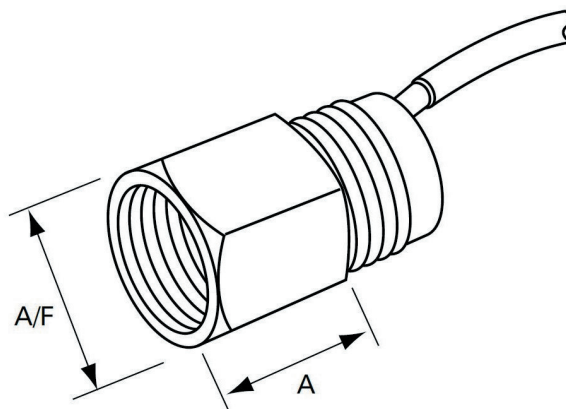
Technical specification

Earth lead adaptors	
ATEX marking	Ex II 2GD, Ex e IIC Gb, Ex tb IIC Db
ATEX certification	SIRA 00 ATEX 3093X
IEC Ex certification	IECEx SIR 12.0016X
Other certificates	CSA: 1248014 (LR 106084) EAC: TC RUC-G B.ГБ06.B.00105
Temperature range	-20 °C to +40 °C
Material	brass, mild steel, stainless steel 316L, aluminium

Dimensions

THREAD SIZE	LENGTH A	ACROSS FLATS (A/F)
M16	21.50	23.37
M20	21.50	30.48
M25	21.50	37.59
M32	21.50	47.24
M40	21.50	55.88
M50	21.50	70.10
M63	21.50	90.17

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (EARTH LEAD ADP.)		DIGIT 3 CERTIFICATE		DIGIT 4 MATERIAL		DIGIT 5 PLATING		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE THREAD SIZE / CODE			
CODE					CODE						
Earth lead adaptor	AE	Ex e	E	Brass	1	None	0	M16	03	½" NPT	29
				Mild steel	2			M20	04	¾" NPT	30
				Stainless steel 316L	3			M25	05	1" NPT	31
				Aluminium	5			M32	06	1¼" NPT	32
								M40	07	1½" NPT	33
								M50	08	2" NPT	34
								M63	09	2½" NPT	35
								M75	10	3" NPT	36
		Industrial		F							

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	EARTH LEAD ADP.	Ex d / Ex e	BRASS	PLATING (NONE)	M25	M25	REFERENCE
	AE	E	1	0	05	05	= AEE100505

For more information about product coding, see page 3.25



Threaded earth plates - Redapt

Hazardous area accessories

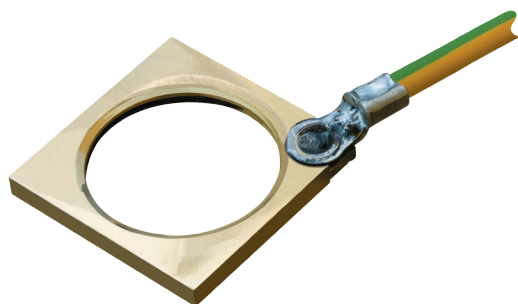
INTRODUCTION

HAZARDOUS AREA CABLE GLANDS

HAZARDOUS AREA ACCESSORIES

INDUSTRIAL CABLE GLANDS
AND ACCESSORIES

TECHNICAL GUIDE



Features

- Maintains earth continuity
- International Ex certifications
- Various threadforms available
- Supplied with earth lead



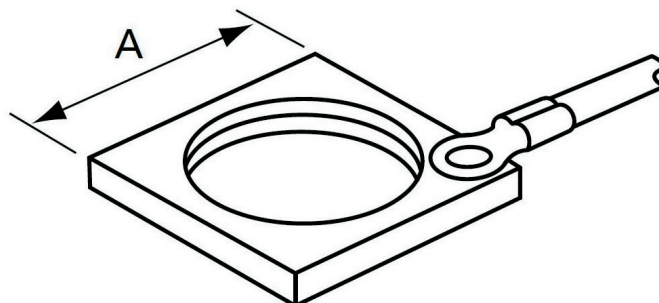
Technical specification

Threaded earth plates	
ATEX marking	Ex II 2GD, Ex e II
ATEX certification	SIRA 00 ATEX 1073U
Temperature range	This product is classified as a component; these metallic products are not given an operating temperature range.
Material	brass

Dimensions

THREAD SIZE	A	EARTH LEAD DIAMETER (length 300 mm)
M16	22.0	2.50 mm ²
M20	30.0	2.50 mm ²
M25	32.0	4.00 mm ²
M32	38.0	6.00 mm ²

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (THREADED EARTH PLATE)		DIGIT 3		DIGIT 4		DIGIT 5		DIGITS 6 & 7 FEMALE / DIGITS 8 & 9 FEMALE (non applicable)			
CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE				
Threaded earth plate	ET	Ex e	E	Brass	1	None	0	M16	03	½" NPT	29
								M20	04	¾" NPT	30
								M25	05	1" NPT	31
								M32	06	1¼" NPT	32
								M40	07	1½" NPT	33
								M50	08	2" NPT	34
								M63	09	2½" NPT	35
								M75	10	3" NPT	36
		Industrial	F								

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	EARTH PLATE	Ex e	BRASS	PLATING (NONE)	M25	--	REFERENCE
	ET	E	1	0	05	00	= ETE100500

For more information about product coding, see page 3.25

Hazardous area accessories



IP66

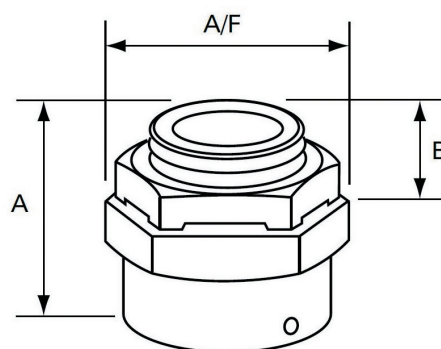
- Drains moisture from an enclosure (Ex e) and allows air to vent into atmosphere, minimising moisture build up
- The Ex certification of the equipment is not affected
- IEC Ex international certification
- Maintains IP66 ingress protection
- Available in 2 thread lengths: 10 mm with 2 drainage holes or 15 mm with 3 drainage holes
- Brass, stainless steel, aluminium and glass-filled nylon versions available

Breather drains Ex e (metallic)

ATEX marking (brass/stainless steel 316L)	Ex I M2, Ex e I Mb
	Ex II 2 GD, Ex e IIC Gb, Ex tb IIIC Db IP66
ATEX marking (aluminium)	Ex II 2 GD, Ex e IIC Gb, Ex tb IIIC Db IP66
ATEX certification	SIRA 99 ATEX 3050X
IEC Ex certification	IECEx SIR 08.0024X
Other certificates	CSA: 185887-2500003408 (LR 106084) EAC: TR RU C-GB.GB06.B.00106
Temperature range	Metallic body dependent on filter and seal material
	Nitrile: -30 °C to +100 °C (standard version)
	EPDM: -50 °C to +125 °C
	Neoprene: -40 °C to +100 °C
	Viton: -20 °C to +180 °C
	Silicone: -50 °C to +180 °C
	Fluorosilicone: -70 °C to +150 °C
Ingress protection	IP66
Material	Brass, aluminium, stainless steel 316L

THREAD SIZE	ACROSS FLATS A/F	TOTAL LENGTH A	MALETHREAD LENGTH SIZE B
M20	28.60	23.00 (min)	10.00 (min)
M25	34.90	23.00 (min)	10.00 (min)
M32	41.30	23.00 (min)	10.00 (min)
½"NPT	28.60	28.00 (min)	15.00 (min)
¾"NPT	34.90	28.00 (min)	15.00 (min)
1"NPT	41.30	28.00 (min)	15.00 (min)

All dimensions in mm.

[illegible]

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	BREATHER DRAIN	Ex e	ST. STEEL	PLATING (NONE)	M20	10mm 2 HOLES	REFERENCE
	DP	E	3	0	04	S1	= DPE3004S1

For more information about product coding, see page 3.25



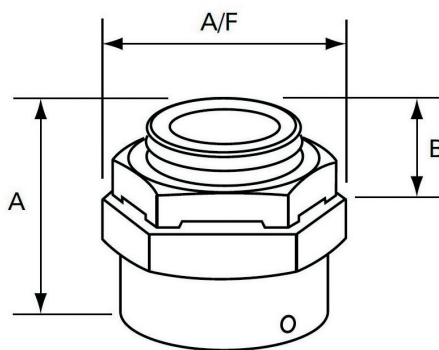
IP66

- Drains moisture from an enclosure (Ex e) and allows air to vent into atmosphere, minimising moisture build up
- The Ex certification of the equipment is not affected
- IEC Ex international certification
- Maintains IP66 ingress protection
- Available in 2 thread lengths: 10 mm with 2 drainage holes or 15 mm with 3 drainage holes
- Brass, stainless steel and aluminium versions also available

	Breather drains Ex e (nylon)
ATEX marking (nylon)	Ex e IIC Gb, Ex tb IIIC Db IP66
ATEX certification	SIRA 99 ATEX 3050X, ITS16ATEX101338X
IEC Ex certification	IECEx SIR 08.0024X, IECEx ITS 16.0014X
Other certificates	CSA: 185887-2500003408 (LR 106084) EAC: TR RU C-GB.GB06.B.00106
Temperature range	Nylon body: -50°C to +125°C unless limited by filter material HDPE filter: -50 °C to +85 °C Nitrile: -30 °C to +100 °C (standard version) EPDM: -50 °C to +125 °C Neoprene: -40 °C to +100 °C Viton: -20 °C to +180 °C Silicone: -50 °C to +180 °C Fluorosilicone: -70 °C to +150 °C
Ingress protection	IP66
Material	Glass-filled nylon

THREAD SIZE	ACROSS FLATS A/F	TOTAL LENGTH A	MALE THREAD LENGTH SIZE B
M20	28.60	23.00 (min)	10.00 (min)
M25	34.90	23.00 (min)	10.00 (min)
M32	41.30	23.00 (min)	10.00 (min)
½"NPT	28.60	28.00 (min)	15.00 (min)
¾"NPT	34.90	28.00 (min)	15.00 (min)
1"NPT	41.30	28.00 (min)	15.00 (min)

All dimensions in mm.



DIGITS 1 & 2 DESCRIPTION (BREATHER DRAINS Ex e)		DIGIT 3		DIGIT 4		DIGIT 5		DIGITS 6 & 7 THREAD SIZE / DIGITS 8 & 9 THREAD LENGTH					
	CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE					
Breather drains Ex e	DP	Ex e	E	Glass-filled nylon	4	None	0	M20	04	10mm / 2 holes / with castellated locknut	S1		
								M25	05	10mm / 2 holes / no castellated locknut	S2		
								M32	06	15mm / 3 holes / with castellated locknut	S3		
								½" NPT	29	15mm / 3 holes / no castellated locknut	S4		
								¾" NPT	30				
								1" NPT	31				
		Industrial	F										

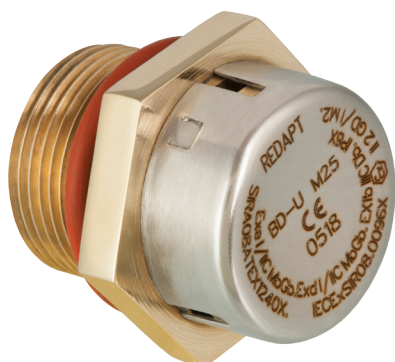
Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	BREATHER DRAIN	Ex e	ST. STEEL	PLATING (NONE)	M20	10mm 2 HOLES	REFERENCE
	DP	E	4	0	04	S1	= DPE3004S1

For more information about product coding, see page 3.25

Breather drains Ex d/Ex e - Redapt

Hazardous area accessories



Features

- Drains moisture from an enclosure (Ex d / Ex e) and allows air to vent into atmosphere, minimising moisture build up
- The Ex certification of the equipment is not affected
- IEC Ex international certification
- Maintains IP66 ingress protection
- Available in brass or stainless steel 316L and with various O-ring materials



2G

2D

IP66

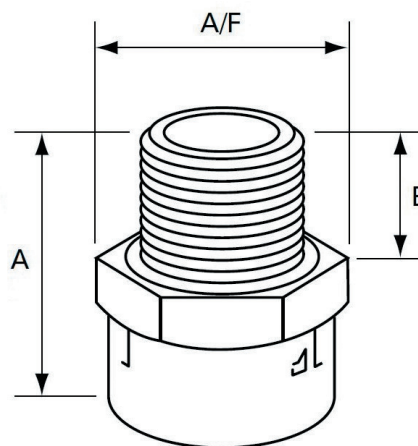
Technical specification

Breather drains Ex d / Ex e	
ATEX marking	Ex I M2, Ex d I Mb, Ex e I Mb
	Ex II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex tb IIIC Db IP6X
ATEX certification	SIRA 08 ATEX 1240X
IEC Ex certification	IECEx SIR 08.0096X
Temperature range	Metallic body dependent on filter and seal material
	Nitrile: -20 °C to +80 °C
	EPDM: -30 °C to +125 °C
	Neoprene: -20 °C to +100 °C
	Viton: -5 °C to +150 °C
	Silicone: -30 °C to +150 °C (standard version)
	Fluorosilicone: -50 °C to +150 °C
Ingress protection	IP66
Material	brass, stainless steel 316L

Dimensions

THREAD SIZE	ACROSS FLATS A/F	TOTAL LENGTH A	MALE THREAD LENGTH SIZE B
M20	27.00	31.00 (min)	16.00 (min)
M25	31.75	31.00 (min)	16.00 (min)
½"NPT	27.00	35.00 (min)	20.00 (min)
¾"NPT	31.75	35.00 (min)	20.00 (min)

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2

DESCRIPTION

(BREATHING DRAINS
Ex d/Ex e)

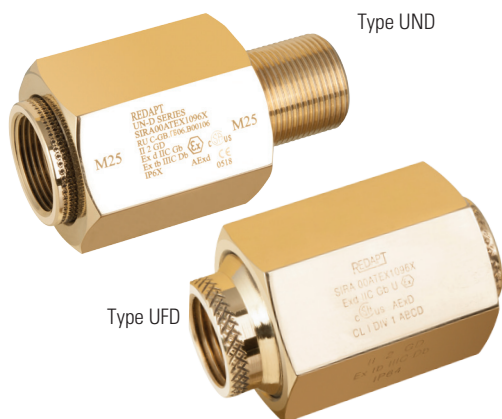
Ex d/Ex e)	CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE			
Breather drains Ex d/Ex e	BD	Ex d / Ex e	U	Brass	1	None	0	M20	04	None	D0
				Stainless steel 316L	3	Nickel	1	M25	05	Silicone	D1
						Zinc	2	½" NPT	29	Fluorosilicone	D2
								¾" NPT	30	Viton	D3
										EPDM	D4
										Neoprene	D5
										Nitrile	D6
				Industrial	F						

Industrial F

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	BREATHING DRAIN	Ex d / Ex e	BRASS	PLATING (NONE)	M20	SILICONE	REFERENCE
	BD	U	1	0	04	D1	= BDU1004D1

For more information about product coding, see page 3.25



Features

- Solution to rotating connection
- Protects threads
- Maintains Ex certification
- Available in brass, stainless steel and aluminium
- Various threadforms available

Technical specification

Unions	
ATEX marking	Ex II 2 GD, Ex d IIC Gb, Ex tb IIIC Db, IP6X
ATEX certification	SIRA 00 ATEX 1096X
Other certificates	CSA: 1248014 (LR 106084) EAC: TR RU C-GB.GB06.B.00106
Temperature range	-50 °C to +180 °C
Ingress protection	IP66 / IP68
Material	brass, aluminium, stainless steel 316L

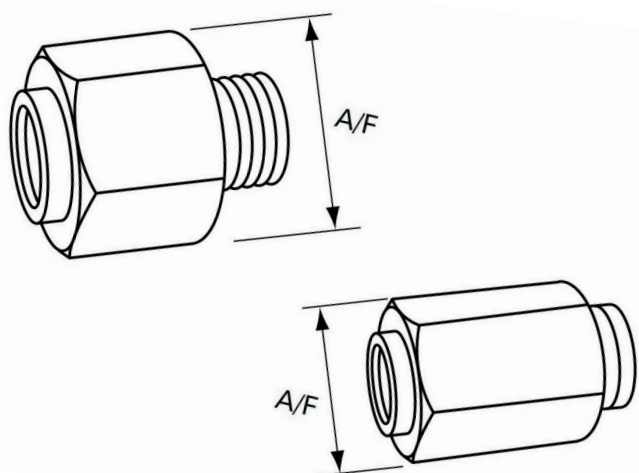


Dimensions

UNION MALE TO FEMALE (UND) UNION FEMALE TO FEMALE (UFD)

THREAD SIZE	ACROSS FLATS A/F	THREAD SIZE	ACROSS FLATS A/F
M20	37.59	M20	37.59
M25	42.42	M25	42.42
M32	55.88	M32	55.88
M40	55.88	M40	55.88
M50	80.01	M50	80.01
M63	90.17	M63	90.17
M75	114.30	M75	114.30

All dimensions in mm.



Ordering codes (Redapt)

DIGITS 1 & 2 DESCRIPTION (UNIONS)		DIGIT 3		DIGIT 4		DIGIT 5		DIGITS 6 & 7 MALE / DIGITS 8 & 9 FEMALE			
CODE	CERTIFICATE	CODE	MATERIAL	CODE	PLATING	CODE	THREAD SIZE / CODE				
UNION M-F	UN	Ex d	D	Brass	1	None	0	M16	03	½" NPT	29
UNION F-F	UF			Stainless steel 316L	3	Nickel	1	M20	04	¾" NPT	30
				Aluminium	5	Zinc	2	M25	05	1" NPT	31
								M32	06	1¼" NPT	32
								M40	07	1½" NPT	33
								M50	08	2" NPT	34
								M63	09	2½" NPT	35
								M75	10	3" NPT	36

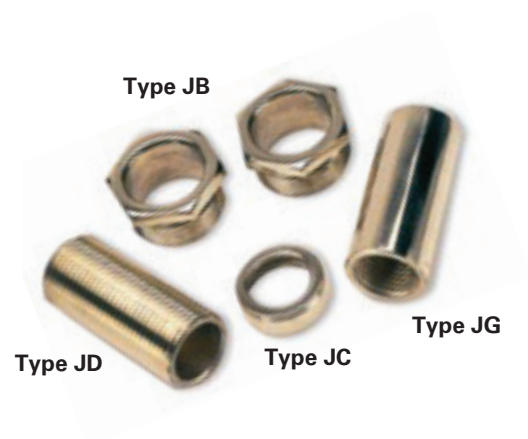
Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE		UNION M-F	Ex d	ST. STEEL	PLATING (NONE)	M32	M25	REFERENCE
		UN	D	3	0	06	05	= UND300605

For more information about product coding, see page 3.25

Accessories - metallic ISO / NPT threads - Raxton

Industrial cable glands and accessories



Technical specification

- Different threadforms and materials available
- Male (JB) and female (JC) bushes are available
- Round couplers are type JG, and nipples are type JD
- Plating available on metallic finishes

Nipples, couplers and bushes

Material: brass, mild steel, stainless steel 316L, aluminium, nylon

Ordering codes (Raxton)

DIGITS 1 & 2 DESCRIPTION (NIPPLES...)	DIGIT 3		DIGITS 4 & 5 MALE / DIGITS 6 & 7 FEMALE				DIGIT 8		DIGIT 9		DIGIT 10	
	CODE	MATERIAL	CODE	THREADFORM/CODE			CERTIFICATE	CODE	SPECIAL	CODE	PLATING	CODE
Male bush	JB	Brass	A	M16	11	½" NPT	42	Industrial	X or blank	None (standard)	X or blank	None blank
Female bush	JC	Aluminium	B	M20	12	¾" NPT	43				Nickel	N
Nipple	JD	Mild steel	C	M25	13	1" NPT	44				Zinc	Z
Round coupler	JG	Stainless steel 316L	E	M32	14	1¼" NPT	45				Chromatised	C
		Black nylon	G	M40	15	1½" NPT	46				Special	S
		White nylon	R	M50	16	2" NPT	47					
				M63	17	2½" NPT	48					
				M75	18	3" NPT	49					

Other sizes/threadforms available on request

PRODUCT CODE EXAMPLE	MALE BUSH	BRASS	M25 (M)	--	--	CATALOG NUMBER
	JB	A	13	00		= JBA1300

For more information on product coding, see page 3.24



Raxton product coding

Hazardous area accessories

Digits 1 & 2

DESCRIPTION	CODE	PAGE
M-F metallic adaptors	AB	3.4
M-F metallic reducers	BB	3.4
M-F glass-filled nylon adaptors	AJ	3.5
M-F glass-filled nylon reducers	BJ	3.5
Dome head stopping plugs	CQ	3.6
Flush fit stopping plugs	CB	3.7
Tamperproof flush fit stopping plugs	CF	3.7
Hex head stopping plugs	CK	3.8
Hollow hex head stopping plugs	CY	3.9
M-M adaptors	AR	3.10
F-F hex adaptors	AU	3.10
F-F round adaptors	AX	3.10

Digit 3

MATERIAL	CODE
Brass	A
Aluminium	B
Mild steel	C
Stainless steel 316L	E
Glass-filled nylon	M

Digit 8

CERTIFICATE	CODE
ATEX / IECEx / INMETRO / CSA / GOST Ex de (all certificates)	Y
ATEX Ex d	D
ATEX Ex e	E
Mining Group 1	M
Industrial	F
Industrial (no marking)	X

Thread references

ISO	NPT			PG	Digits 6 & 7 female threads				
SIZE	CODE	SIZE	CODE	SIZE	CODE	BSP P	BSPT	SIZE	CODE
M12	04	¼" NPT	40	PG7	20	½" BSP P	62	½" BSP T	52
M16	11	⅜" NPT	41	PG9	21	¾" BSP P	63	¾" BSP T	53
M20	12	½" NPT	42	PG11	22	1" BSP P	64	1" BSP T	54
M25	13	¾" NPT	43	PG13.5	23	1¼" BSP P	65	1¼" BSP T	55
M32	14	1" NPT	44	PG16	24	1½" BSP P	66	1½" BSP T	56
M40	15	1¼" NPT	45	PG21	25	2" BSP P	67	2" BSP T	57
M50	16	1½" NPT	46	PG29	26	2½" BSP P	68	2½" BSP T	58
M63	17	2" NPT	47	PG36	27	3" BSP P	69	3" BSP T	59
M75	18	2½" NPT	48	PG42	28	SPECIAL BSP P	60	SPECIAL BSP T	50
M80 x 2.0	80	3" NPT	49	PG48	29				
M90 x 2.0	81	3½" NPT	86						
M100 x 2.0	82	4" NPT	87						
SPECIAL ISO	10	5" NPT	88						
		SPECIAL NPT	NT						

Digit 9

SPECIAL	CODE
None (standard)	X or blank
O-ring	U

Digit 10

PLATING	CODE
None	Blank
Nickel	N
Zinc	Z
Chrome	C

Notes

The male thread is always specified first (digits 4+5), then the female thread (digits 6+7) with all of the digits used in case of M-M and F-F products. Other threadforms are available, please contact Customer Services.

The letter "F" (digit 8) indicates that the product is an industrial version marked with manufacturer and size. If there is no marking, i.e. with locknuts and washers, the letter "X" is then used.

The letter "U" (digit 9) indicates that the product is supplied with an O-ring. If there is no O-ring and no plating, the product code is finished at digit 8.

If there is no O-ring but plating is required, place the letter "X" for digit 9, then the corresponding letter for the required plating at digit 10.

Digit 10 for plating is blank if no plating is required.

PRODUCT CODE EXAMPLE	REDUCER	ST. STEEL	M32 (M)	M25 (F)	Ex d / Ex e	REFERENCE
	BB	E	14	13	Y	= BBE1413Y

For REDAPT product coding, see page 3.25

Digits 1 & 2

DESCRIPTION	CODE	PAGE
M-F insulating adaptors	DB	3.11
M-F right angle adaptors	AR	3.12
M-F swivel adaptors inline	TA	3.13
M-F swivel adaptors (90°)	TP	3.13
M-F 'Y' adaptors	AY	3.14
M-F 'T' adaptors	AT	3.15
Earth lead adaptors	AE	3.16
Threaded earth plates	ET	3.17
Breather drains Ex e	DP	3.18
Breather drains Ex d/Ex e	BD	3.19
Unions	UN	3.20

Digit 3

CERTIFICATE	CODE
Ex d I and IIC and Ex e I and IIC	U
Ex d I and IIC	D
Ex e I and IIC	E
Industrial (products with marking)	F

Digit 4

MATERIAL	CODE
Brass	1
Mild steel	2
Stainless steel 316L	3
Aluminium	5

Digit 5

PLATING	CODE
None	0
Nickel	1
Zinc	2
Chrome	6

Thread references

ISO		NPT		PG		BSP P		BSP T	
SIZE	CODE	SIZE	CODE	SIZE	CODE	SIZE	CODE	SIZE	CODE
M16	03	½" NPT	29	PG7	79	½" BSP P	55	½" BSP T	68
M20	04	¾" NPT	30	PG9	80	¾" BSP P	56	¾" BSP T	69
M25	05	1" NPT	31	PG11	81	1" BSP P	57	1" BSP T	70
M32	06	1¼" NPT	32	PG13.5	82	1¼" BSP P	58	1¼" BSP T	71
M40	07	1½" NPT	33	PG16	83	1½" BSP P	59	1½" BSP T	72
M50	08	2" NPT	34	PG21	84	2" BSP P	60	2" BSP T	73
M63	09	2½" NPT	35	PG29	85	2½" BSP P	61	2½" BSP T	74
M75	10	3" NPT	36	PG36	86	3" BSP P	62	3" BSP T	75
M80 x 2.0	11	3½" NPT	37	PG42	87	3½" BSP P	63	3½" BSP T	76
M85 x 2.0	12	4" NPT	38	PG48	88	4" BSP P	64	4" BSP T	77
M90 x 2.0	13	SPECIAL	NT	SPECIAL	PG	SPECIAL	BP	SPECIAL	BT
M100 x 2.0	14								
M110 x 2.0	15								
M120 x 2.0	BZ								
SPECIAL	MT								

PRODUCT CODE EXAMPLE	'Y' ADAPTOR	Ex d / Ex e	ST. STEEL	PLATING (NONE)	M32	M32	REFERENCE
	AY	U	3	0	06	06	= AYU300606

Product coding for DPE breather drains only (page 2.16)

PRODUCT	CERTIFICATE	MATERIAL	PLATING	THREAD SIZE	THREAD LENGTH	DRAINAGE HOLES	CASTELLATED LOCKNUT
DP Standard	E Ex e I and IIC	1 Brass	0 None	04 M20	S1 10 mm	2 holes	With
		3 Stainless steel 316L	1 Nickel	05 M25	S2 10 mm	2 holes	None
		4 Glass-filled nylon	2 Zinc	06 M32	S3 15 mm	3 holes	With
				29 1/2" NPT	S4 15 mm	3 holes	None
				30 3/4" NPT			
				31 1" NPT			

Notes: Glass-filled nylon version only available in S3 and S4 options (thread length 15 mm).
NPT threaded versions only available in S3 and S4 options.

Example

STANDARD	EX E I AND IIC	ST. STEEL	UNPLATED	M20	10 MM
DP	- E	- 3	- 0	- 04	- S1

Product coding for BDU breather drains only (page 2.17)

PRODUCT	CERTIFICATE	MATERIAL	PLATING	THREAD SIZE	O-RING
BD Standard	U Ex d I and IIC et	1 Brass	0 None	04 M20	D0 None
	Ex e I and IIC	3 Stainless steel	1 Nickel	05 M25	D1 Silicone
			2 Zinc	29 1/2" NPT	D2 Fluorosilicone
				30 3/4" NPT	D3 Viton
					D4 EPDM
					D5 Neoprene
					D6 Nitrile

Example

STANDARD	EX E I AND IIC	ST. STEEL	UNPLATED	M20	O-RING SILICONE
BD	- U	- 3	- 0	- 04	- D1

For RAXTON product coding, see page 3.24