

Cable Glands and Adaptors

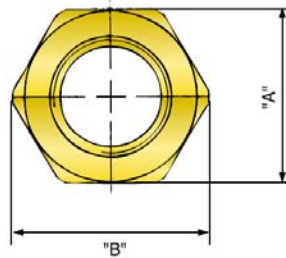
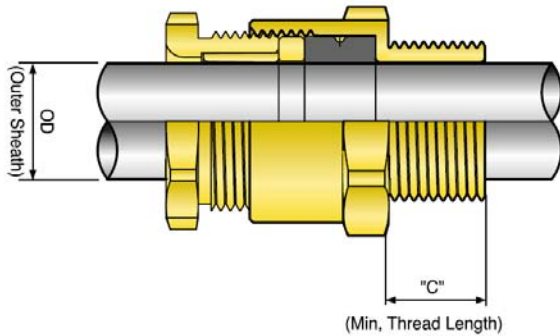


Quality Hazardous Area Solutions

Non-Armoured Glands – ASG Range

Applications

- Cable Type : Unarmoured
- Sealing Area : Cable Outer Sheath
- Operating Temperature : -60°C to +80°C
- Materials : Brass or Brass nickel plated
- Suitable for use in:
Zone1, Zone2, Zone21 and Zone22,
Gas Groups, IIA, IIB and IIC
- Ingress Protection : IP66/67 to IEC529
- Certificate Nos : Baseefa09ATEX0187X,
IEC Ex: IECEx BAS 09.0089X



Part No	Entry Thread size		Outer Sheath 'OD'		Hexagon Dimensions		Min, Thread Length "c"	
	Metric	NPT	Min.	Max.	Across Flats "A"	Across Corners "B"	Min, Thread Length "c"	
							Metric	NPT
ASG-M16a	M16	-	3.0	6.0	22	24.5	15	-
ASG-M16b			6.1	10.0				
ASG-M20a	M20	1/2"	3.0	6.0	24	26.8	15	20
ASG-M20b			6.1	10.0				
ASG-M20c	M20	1/2"	10.1	15.0	27	30	15	20
ASG-M25	M25	3/4"	15.1	18.0	32	35.5	15	20
ASG-M32a	M32	1"	18.1	23.0	39	43.5	15	25
ASG-M32b			22.1	26.0				
ASG-M40	M40	1 1/4"	26.1	32.0	48	53.5	15	25.6
ASG-M50	M50	1 1/2"	32.1	40.0	58	64	15	26
ASG-M63a	M63	2"	40.1	47.0	73	81	15	27
ASG-M63b			47.1	54.0				
ASG-M75	M75	2 1/2"	55.0	65.0	85	94	15	40
ASG-M80	M80	3"	65.1	71.5	100	109.5	15	41.5
ASG-M90	M90	3"	71.6	77.6	105	113.5	15	41.5

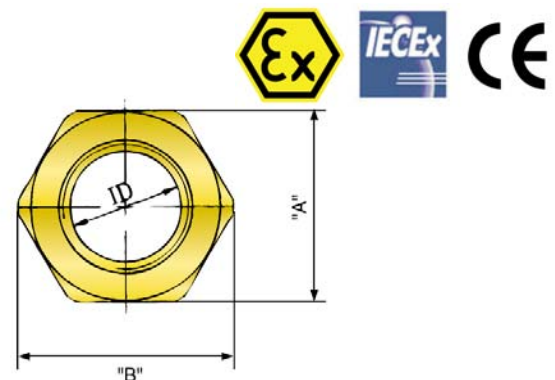
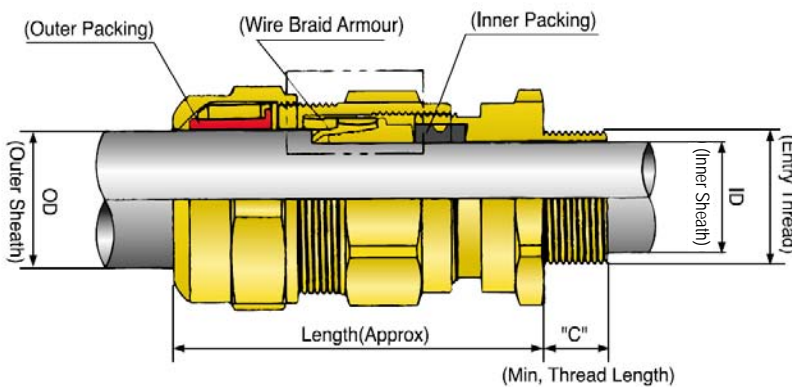
Accessories

Lock-Nut, Sealing washer, Serrated washer, Earth Tag and PVC Shroud are available

Armoured Glands – AAG Range

Applications

- Suitable for wire armour and wire braid type cables
- Double Compression seal for indoor and Outdoor use
- Operating Temperature : -60°C to +80°C
- Materials : Brass or Brass nickel plated
- Suitable for use in Zone1, Zone2, Zone21 and Zone22 areas. Gas Groups, IIA, IIB and IIC
- Flameproof Exd and Increased Safety Exe
- Ingress Protection : IP66/67 to IEC529
- Certificate Nos : Baseefa09ATEX0186X, IEC Ex: IECEx BAS 09.0088X



Part Number	Entry Thread size			Cable Acceptance Details							Hexagon Dimensions		Thread Length "c"		
				Inner Sheath 'ID'				Outer Sheath 'OD'		Armour Size					
	Metric	NPT	PG	Standard Seal		Alternative Seal (S)		Min.	Max.		Min/Max.	Across Flats "A"	Across Corners "B"	Metric	NPT
AAG-2016	M16/M20	1/2"	PG13.5	3.0	6.5	-	-	7.0	12.0	0/0.7	24	26.8	15	20	15
AAG-20a	M20	1/2"	PG13.5	4.5	8.0	-	-	7.0	12.0	0/0.7	24	26.8	15	20	15
AAG-20b	M20	1/2"	PG13.5	7.5	10.5	-	-	11.0	16.0	0/0.7	24	26.8	15	20	15
AAG-20c	M20	1/2"	PG13.5	8.5	11.9	-	-	11.0	16.0	0/0.7	24	26.8	15	20	15
AAG-20d	M20	1/2"	PG13.5	11.0	14.3	8.5	13.0	14.3	20.0	0/0.7	30	33.5	15	20	15
		3/4"												20	
AAG-25a	M25	3/4"	PG21	13.0	20.2	9.5	15.4	18.5	26.0	0/0.7	36	40.5	15	20	15
		1"												25	
AAG-32	M32	1"	PG29	20.0	26.4	15.5	21.2	24.0	33.0	0/0.7	45.8	51.2	15	25	15
		1 1/4"												25.6	
AAG-40	M40	1 1/4"	PG36	25.0	31.7	22.0	28.0	30.0	41.0	0/0.7	55	61.5	15	26	15
		1 1/2"												26	
AAG-50	M50	1 1/2"	PG42	31.5	42.3	27.5	36.5	38.0	51.0	0/1.0	65	72.8	15	26	15
		2"			44.4									27	
AAG-63	M63	2"	-	42.5	54.3	39.0	48.0	48.0	64.0	0/1.0	80	89.5	15	27	-
		2 1/2"			56.3									40	
AAG-75	M75	2 1/2"	-	54.5	65.3	48.5	58.3	60.0	77.0	0/1.0	95	104.5	15	40	-
		3"			68.2									41.5	
AAG-80	M80	3 1/2"	-	67	73	-	-	75	89.5	0/1.0	107	114	20	42.7	-
AAG-90	M90	3 1/2"	-	67	77.6	-	-	75	89.5	0/1.0	115	123	20	42.7	-
AAG-100	M100	4"	-	76.5	91.6	-	-	88	104.5	0/1.0	128	139	20	44	-

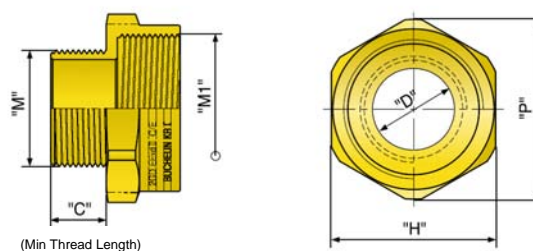
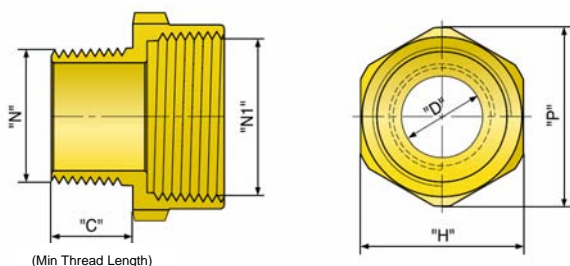
Accessories

Lock-Nut, Sealing washer, Serrated washer, Earth Tag and PVC Shroud are available

Adaptors – ABAD Range

Applications

- Flameproof Exd and Increased Safety Exe
- For connection between cable entry devices having dissimilar threads
- Male and female threads, both Metric and NPT
- Certificate Nos : Baseefa 09ATEX0188X
IEC Ex: IECEx BAS 09.0090X



Gland Thread Size (NPT)	Part No	Thread size (NPT)		Hexagon Dimensions		"D"	Min, Thread Length "C"
		N1 (Female)	N (Male)	"H"	"P"		
NPT 3/4"	ABAD-N3412	3/4"	1/2"	32	35	14.5	15.5
NPT 1"	ABAD-N3112	1"	1/2"	40	44	14.5	15.5
	ABAD-N134		3/4"			20.0	16
NPT 1 1/4"	ABAD-N11434	1 1/4"	3/4"	45.8	51.2	20.2	16
	ABAD-N1141		1"			26.5	20
NPT 1 1/2"	ABAD-N1121	1 1/2"	1"	45.8	51.2	26.5	20
	ABAD-N12114		1 1/4"			32.5	20
NPT 2"	ABAD-N2114	2"	1 1/4"	65	72	32.5	20
	ABAD-N2112		1 1/2"			42.5	20.5
NPT 2 1/2"	ABAD-N212112	2 1/2"	1 1/2"	80	89.5	42.5	20.5
	ABAD-N2122		2"			54.5	21
NPT 3"	ABAD-N32	3"	2"	100	110	54.5	21
	ABAD-N3212		2 1/2"			65.4	32
NPT 4"	ABAD-N4212	4"	2 1/2"	125	137	65.4	32
	ABAD-N43		3"			68.4	33.5

Gland Thread Size (Metric)	Part No	Thread size (NPT)		Hexagon Dimensions		"D"	Min, Thread Length "C"
		N1 (Female)	N (Male)	"H"	"P"		
M20	ABAD-M2016	M20X1.5	M16X1.5	24	26.8	11	15
M25	ABAD-M2516	M25X1.5	M16X1.5	30	33.5	11	
	ABAD-M2520		M20X1.5			15	
M32	ABAD-M3216	M32X1.5	M16X1.5	36	40.5	11	
	ABAD-M3220		M20X1.5			15	
	ABAD-M3225		M25X1.5			20.2	
M40	ABAD-M4020	M40X1.5	M20X1.5	45.8	51.2	15	
	ABAD-M4025		M25X1.5			20.2	
	ABAD-M4032		M32X1.5			26.5	
M50	ABAD-M5025	M50X1.5	M25X1.5	55	61.5	20.2	
	ABAD-M5032		M32X1.5			26.5	
	ABAD-M5040		M40X1.5			32.5	
M63	ABAD-M6332	M63X1.5	M32X1.5	70	77	26.5	
	ABAD-M6340		M40X1.5			32.5	
	ABAD-M6350		M50X1.5			44.5	
M75	ABAD-M7540	M75X1.5	M40X1.5	80	88.5	32.5	
	ABAD-M7550		M50X1.5			44.5	
	ABAD-M7563		M63X1.5			56.5	
M85	ABAD-M8550	M85X1.5	M50X1.5	90	99	44.5	
	ABAD-M8563		M63X1.5			56.5	
	ABAD-M8575		M75X1.5			68.3	

Protection

I12 GD EExd IIC / EExe II,
Suitable for use in Zone1, Zone2, Zone 21 & Zone 22
IP66/67 to IEC529

Material

Brass or Brass Nickel Plated

Accessories

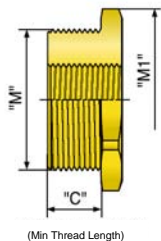
Lock-Nut, Sealing washer, Serrated washer, Earth Tag and PVC Shroud are available



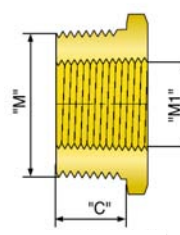
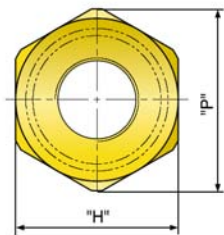
Reducers – ABRE Range

Applications

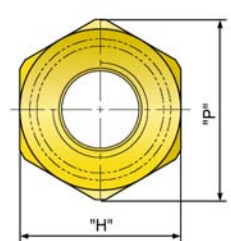
- Flameproof Exd and Increased Safety Exe
- For connection between cable entry devices having dissimilar threads
- Male and female threads, both Metric and NPT
- Certificate Nos : Baseefa09ATEX0188X, IEC Ex: IECEx BAS 09.0090X



(Min Thread Length)



(Min Thread Length)



Gland Thread Size (Metric)	Part No	Thread size (NPT)		Hexagon Dimensions		Min, Thread Length "C"
		N1 (Female)	N (Male)	"H"	"P"	
M16	ABRE-M1625	M16X1.5	M25X1.5	30	33.5	15
	ABRE-M1632		M32X1.5	36	40.5	
M20	ABRE-M2025	M20X1.5	M25X1.5	30	33.5	
	ABRE-M2032		M32X1.5	36	40.5	
M25	ABRE-M2040	M25X1.5	M40X1.5	45.8	51.2	
	ABRE-M2532		M32X1.5	36	40.5	
M25	ABRE-M2540	M25X1.5	M40X1.5	45.8	51.2	
	ABRE-M2550		M50X1.5	55	61.5	
M32	ABRE-M3240	M32X1.5	M40X1.5	45.8	51.2	
	ABRE-M3250		M50X1.5	55	61.5	
M32	ABRE-M3263	M32X1.5	M63X1.5	70	77	
	ABRE-M4050		M50X1.5	55	61.5	
M40	ABRE-M4063	M40X1.5	M63X1.5	70	77	
	ABRE-M4075		M75X1.5	80	88.5	
M50	ABRE-M5063	M50X1.5	M63X1.5	70	77	
	ABRE-M5075		M75X1.5	80	88.5	
M50	ABRE-M5085	M50X1.5	M85X1.5	90	99	
	ABRE-M6375		M63X1.5	M75X1.5	80	88.5
M63	ABRE-M6385	M63X1.5	M85X1.5	90	99	
	ABRE-M7585		M75X1.5	M85X1.5	90	99

Gland Thread Size (NPT)	Part No	Thread size (NPT)		Hexagon Dimensions		Min, Thread Length "C"
		N1 (Female)	N (Male)	"H"	"P"	
N 1/2"	ABRE-N1234	1/2"	3/4"	30	33.5	16
	ABRE-N121		1"	36	40.5	20
N 3/4"	ABRE-N12114	3/4"	1 1/4"	45.8	51.2	20
	ABRE-N341		1"	36	40.5	20
N 3/4"	ABRE-N34114	3/4"	1 1/4"	45.8	51.2	20
	ABRE-N34112		1 1/2"	52	57.5	20.5
N 1"	ABRE-N1114	1"	1 1/4"	45.8	51.2	20
	ABRE-N1112		1 1/2"	52	57.5	20.5
N 1"	ABRE-N12	1"	2"	63	70	21
	ABRE-N114112		1 1/2"	52	57.5	20.5
N 1 1/4"	ABRE-N1142	1 1/4"	2"	63	70	21
	ABRE-N11412		2 1/2"	80	57.5	32
N 1 1/2"	ABRE-N1122	1 1/2"	2"	63	70	21
	ABRE-N112212		2 1/2"	80	88.5	32
N 1 1/2"	ABRE-N1123	1 1/2"	3"	95	104.5	33.5
	ABRE-N2212		2 1/2"	80	88.5	32
N 2"	ABRE-N23	2"	3"	95	104.5	33.5
	ABRE-N24		4"	125	137	36
N 2 1/2"	ABRE-N2123	2 1/2"	3"	95	104.5	33.5
	ABRE-N2124		4"	125	137	36
N 3"	ABRE-N34	3"	4"	125	137	36

Protection

II2 GD EExd IIC / EExe II,
Suitable for use in Zone1, Zone2, Zone 21 & Zone 22
IP66/67 to IEC529

Material

Brass, Brass with Nickel Plated

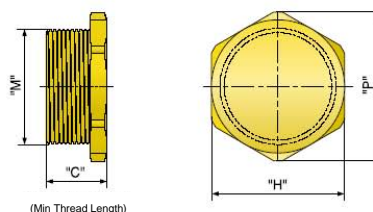
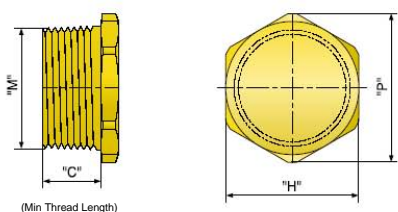
Accessories

Lock-Nut, Sealing washer, Serrated washer, Earth Tag and PVC Shroud are available



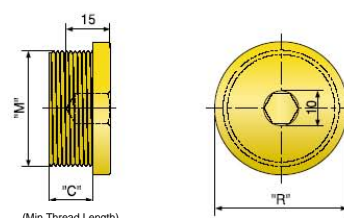
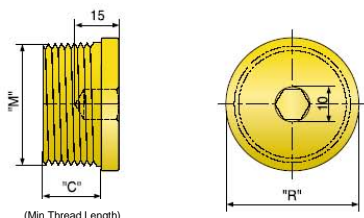
Stopping Plugs – ABSP Range

- For sealing unused cable gland entries whilst maintaining the requirements of the enclosure certification
- Metric and NPT threads available
Protection : II2 GD EExd IIC / EExe II, IP67
Suitable for use in Zone1, Zone2, Zone 21 & Zone 22
- Certificate Nos : Baseefa09ATEX0189U,
IEC Ex: IECEx BAS 09.0091U



Gland Thread Size (NPT)	Part No	Thread size (NPT) "M"	Hexagon Dimensions		Min, Thread Length "C"
			"H"	"P"	
NPT 1/2"	ABSP H-N12	1/2"	26	29	15.5
NPT 3/4"	ABSP H-N34	3/4"	30	33.5	16
NPT 1"	ABSP H-N1	1"	36	40.5	20
NPT 1 1/4"	ABSP H-N114	1 1/4"	45.8	51.2	20
NPT 1 1/2"	ABSP H-N112	1 1/2"	52	57.5	20.5
NPT 2"	ABSP H-N2	2"	63	70	21
NPT 2 1/2"	ABSP H-N212	2 1/2"	80	88.5	32
NPT 3"	ABSP H-N3	3"	95	104.5	33.5
NPT 4"	ABSP H-N4	4"	125	137	36

Gland Thread Size (Metric)	Part No	Thread size (NPT) "M"	Hexagon Dimensions		Min, Thread Length "C"
			"H"	"P"	
M16	ABSP H-M16	M16X1.5	20	22	15
M20	ABSP H-M20	M20X1.5	24	26.8	
M25	ABSP H-M25	M25X1.5	30	33.5	
M32	ABSP H-M32	M32X1.5	35	40.5	
M40	ABSP H-M40	M40X1.5	45.8	51.2	
M50	ABSP H-M50	M50X1.5	55	61.5	
M63	ABSP H-M63	M63X1.5	70	77	
M75	ABSP H-M75	M75X1.5	80	88.5	
M85	ABSP H-M85	M85X1.5	90	99	



Gland Thread Size (NPT)	Part No	Thread size (NPT) "M"	Round Dimensions "P"	Min, Thread Length "C"
NPT 3/4"	ABSP RH-N34	3/4"	26.5	16
NPT 1"	ABSP RH-N1	1"	32	20
NPT 1 1/4"	ABSP RH-N114	1 1/4"	39.5	20
NPT 1 1/2"	ABSP RH-N112	1 1/2"	48	20.5
NPT 2"	ABSP RH-N2	2"	58	21
NPT 2 1/2"	ABSP RH-N212	2 1/2"	73	32
NPT 3"	ABSP RH-N3	3"	85	33.5
NPT 4"	ABSP RH-N4	4"	95	36

Gland Thread Size (Metric)	Part No	Thread size (NPT) "M"	Round Dimensions "P"	Min, Thread Length "C"
M20	ABSP RH-M20	M20X1.5	26.5	
M25	ABSP RH-M25	M25X1.5	32	
M32	ABSP RH-M32	M32X1.5	39.5	
M40	ABSP RH-M40	M40X1.5	48	
M50	ABSP RH-M50	M50X1.5	58	
M63	ABSP RH-M63	M63X1.5	73	
M75	ABSP RH-M75	M75X1.5	85	
M85	ABSP RH-M85	M85X1.5	95	

Material

Brass, Brass with Nickel Plated

Accessories

Lock-Nut, Sealing washer, Serrated washer, Earth Tag and PVC Shroud are available



Accessories

Earth Tag

Material : Brass/Brass nickel plated

Part No	
Metric	NPT
DAET-M16	DAET-N12
DAET-M20	DAET-N34
DAET-M25	DAET-N1
DAET-M32	DAET-N114
DAET-M40	DAET-N112
DAET-M50	DAET-N2
DAET-M63	DAET-N212
DAET-M75	DAET-N34
DAET-M8	DAET-N312
DAET-M85	DAET-N4
DAET-M90	
DAET-M100	



Serrated Washer

Material : Stainless Steel 316 or 316L

Part No	
Metric	NPT
SSW-M16	SSW-N12
SSW-M20	SSW-N34
SSW-M25	SSW-N1
SSW-M32	SSW-N114
SSW-M40	SSW-N112
SSW-M50	SSW-N2
SSW-M63	SSW-N212
SSW-M75	SSW-N34
SSW-M8	SSW-N312
SSW-M85	SSW-N4
SSW-M90	
SSW-M100	

Lock Nut

Material : Brass/Brass nickel plated

Part No	THREAD SIZE Metric	Part No	THREAD SIZE (NPT)
LN-M16	M16X1.5	LN-N12	NPT 1/2"
LN-M20	M20X1.5	LN-N34	NPT 3/4"
LN-M25	M25X1.5	LN-N1	NPT 1"
LN-M32	M32X1.5	LN-N114	NPT 1 1/4"
LN-M40	M40X1.5	LN-N112	NPT 1 1/2"
LN-M50	M50X1.5	LN-N2	NPT 2"
LN-M63	M63X1.5	LN-N212	NPT 2 1/2"
LN-M75	M75X1.5	LN-N34	NPT 3"
LN-M80	M80X2.0	LN-N312	NPT 3 1/2"
LN-M90	M90X2.0	LN-N4	NPT 4"
LN-M100	M100X2.0		



Sealing Washer

Part No	
Metric	NPT
DASW-M16	DASW-N12
DASW-M20	DASW-N34
DASW-M25	DASW-N1
DASW-M32	DASW-N114
DASW-M40	DASW-N112
DASW-M50	DASW-N2
DASW-M63	DASW-N212
DASW-M75	DASW-N34
DASW-M8	DASW-N312
DASW-M85	DASW-N4
DASW-M90	
DASW-M100	

PVC Shroud

For additional corrosion protection



Part No	
A TYPE	B TYPE
DASD-A20a	DASD-B16
DASD-A20d	DASD-B20a
DASD-A25	DASD-B20b
DASD-A32	DASD-B25
DASD-A40	DASD-B32
DASD-A50	DASD-B40
DASD-A63	DASD-B50
DASD-A75	DASD-B63
	DASD-B75
	DASD-B80
	DASD-B90



www.abtech.eu

Abtech Limited. Sanderson Street, Lower Don Valley, Sheffield,
South Yorkshire. S9 2UA UK
Tel: +44 (0)114 2442424 Fax: +44 (0)114 2434312
sales@abtech.eu