Atlas Metal Industries Pvt. Ltd.

Registered Office: G3, Avsar Building, 77/81, Kazi Syed Street, Masjid Bunder (W), Mumbai - 400 003, Maharashtra

Factory: Survey No. 472, Jamnagar – Lalpur Highway, Village: Changa, Tal & Dist: Jamnagar - 361 012, Gujarat

+91 288 2730 944

atlasmetalind.com

sales@atlasmetalind.com

ATLAS METAL™

ATCAB®

Explosive Atmosphere Cable Glands
Industrial Cable Glands
Thread Conversions & Stop Plug

Introduction

We at Atlas Metal are an establishment with 25 years of excellence and commitment in the Indian Metal products market with a stronghold in the national and international market. With the most modern and latest manufacturing technology machinery unit at Jamnagar, Gujarat, our diligent team is well-equipped to meet, as well as exceed our customers' expectations.

Incepted in 1996, we at Atlas Metal Industries began our journey, by manufacturing brass electrical wiring and earthing accessories with the brand name 'ATCAB'. What began as a humble company operating in a mere 1000 Sq. Ft. area with just 7 employees, has now become a formidable force with over 180 skilled personnel working at a sprawling area of over 50,000 Sq. Ft. At Atlas, we have earned the reputation of being one of the leading manufacturing and exporting companies in our domain industry with an annual capacity of 500 metric tons, of which 95% is export.

Key Segments:

1) Cable Gland and Accessories

2) Earthing Accessories

3) Cable Lugs

4) Conduit Fitting

Taking the mantle of excellence further, we at Atlas Group launched our brand 'ATFIT' derived from Fittings - of Brass Precision Turned Components. We offer products in a variety of metals like Brass, Zinc, Stainless Steel etc. and also we make customised products in sync with our customers' meticulous requirements, apart from offering quality that is at par with international benchmarks, yet at competitive price.

An ISO:9001 certified company, we at Atlas manufacture high precision products, by using CNC machines. We have product certification of CE, EX, ROHS, IP68 and CMRI, which makes us one of the most reliable names across the industry.

Vision

To become a futuristic an complete solution provider in the cable glands and accessories industry and provide customised solutions through Atlas **EDGE**.

Enhancing quality, capacity and innovation each day

Developing unwavering international bonds

Gearing towards a sustainable future

Empowering all associated stakeholders

Mission

Produce world-class products with a customer-centric approach with a commitment to creating a better world for all people and nations.

Being rooted in values to render the best quality at the best possible prices and evolve dynamically with technology to be at par with what the world needs.

Values

Honesty, Integrity and Humility are the core values of Atlas Metal.

Delivering the best quality products with competitive prices in honesty, along with commitment, safety and seamless customisation.

We respect everyone equally – right from the bottom to top-level management, stakeholders and customers alike.

We believe strongly in growing as a team.

Policies

Environmental Policy

Atlas Metal is an environment-focused company that holds a policy that does not harm the environment locally, nationally or globally.

We will continuously measure the impact on the environment and strive for continuous improvement.

Atlas Metal will comply with all relevant environmental legislation and mandatory requirements and shall continuously raise awareness among our staff regarding environmental issues and enlist their support in improving the company's performance.

Health and Safety Policy

Atlas Metal strives to create a safe and healthy working environment since employee welfare is our priority.

All activities that would endanger the health and safety of our employees will always be monitored. Regular health surveillance will be made as per necessity.

Atlas Metal takes care of the employees as they are all an integral part of the Atlas family.

Customer Service

Atlas Metal is committed to going beyond customer satisfaction. Along with high-quality products, Atlas ensures effective and personal pre- and post-association with the client. Atlas Metal provides specialised training to technicians to provide better service to customers like:

1) Installations and personnel for assistance to clients.

2) Analyse faults to rectify them as soon as possible.

3) Rectify the issues by out minor repairs at the site etc.

Certifications & Memberships

Global Approvals

- ISO 9001-2008 - Certification by UL (Underwriters Laboratories Inc.)
- CMRI approval on Double Compression Cable Gland for use in Flammable Gas/Vapour area
- CE approval on IP68 Cable Gland for use high degree of protection
- IP68 CABLE GLAND tested for protection against Ingress of Dust & Continuous Immersion
- ROHS Compliance Product Range
- Member of the Engineering Export Promotion Council (EEPC)
- Member of the Federation of Indian Export Organisations (FIEO)
- Member of the Indian Electrical and Electronics Manufacturers Association (IEEMA)
- Register with Dun & Bradstreet (D&B)

Working Area

INDUCTION FOUNDRY

PERFORMANCE TESTING

MANUFACTURING PROCESS

CNC PROCESS

QUALITY INSPECTION

ASSEMBLY & PACKING

Index

01	E* Series Cable Gland	8
02	A2 Series* Cable Gland Type A2F	9
03	A2 Series* Cable Gland Type A1-A2	10
04	Adaptor & Reducer	11
05	Adaptor & Reducer Dimension Chart	12
06	Adaptor & Reducer Male-Female Selection Chart	13
07	Stop Plug	15
08	BW4PT Cable Glands	16
09	CW4PT Cable Glands	17
10	E1W Cable Glands	18
11	IP68 PG Cable Glands	19
12	IP68 Metric Cable Glands	20
13	Double Compression Weather & Flame Proof Glands	21

ATCAB®

E* Series Cable Gland

CABLE GLAND TYPES E1FW, E2FW, E1FX, E2FX, E1FU, E2FU

EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

IP67 RoHS Compliant

CE Ex

DECLARATION

Design Standard	: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014, BS6121, EN62444:2013, IEC 60529
Certification	: Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67
Certificate	: TI17ATEX 823 X - Ex Notified Body No. 1354
Ingress Protection	: IP 67
Gland Marking	: ATCAB® CE 1354 Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67 TI17ATEX 823 X
Operating Tem.	: The Standard cable sealing washer (EPDM Elastomeric Sealing Ring) used and is suitable for operating temperature - 60°C ≤ Tamb ≤ +125°C

OPTIONS

Materials	: Brass: BS 2874 CZ121 / IS 319 gr. 1 Stainless Steel: ASTM A314 gr. 304/316 L Mild Steel
Threads	: ISO Metric National Pipe Thread (NPT) British Standard Pipe (BSP) Imperial (ET)
Clamps	: Reversible Armour Clamping Ring (RAC)
Seals	: Extended operating temperature, Silicone Seals -60°C≤ Ta.≤ +180°C
Plating	: Brass Finish/Nickel Finish/Chrome Finish
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC/LSF Shroud

ATCAB® CABLE GLAND E* Series Type: E1FW, E2FW, E1FX, E2FX, E1FU, E2FU

The E* Series double compression cable glands maintain Flameproof Exd and Increased Safety Exe methods of explosion protection IP67. Reversible Armour Clamping Ring (RAC) allows use with, Steel & Aluminium Wire Armoured, braided, lead sheathed braided, tape or flat steel wire armoured cable according next types of E* Series Cable Gland:

E1FW : For all types of Steel & Aluminium Wire Armoured Cables (RAC Ring Position - W)

E2FW : For Lead Sheathed Steel & Aluminium Wire Armoured Cables (RAC Ring Position - W)

E1FX : For Braid & Steel Tape Armoured Cables (RAC Ring Position - XYZ)

E2FX : For Lead Sheathed Braided & Steel Tape Armoured Cables (RAC Ring Position - XYZ)

E1FU : For all types of Armoured Cables (RAC Ring Position - W)

E2FU : For all types of Lead Sheathed Armoured Cables (RAC Ring Position - W)

For use with Electrical apparatus in Zone 1, 2, 21, 22 areas. Groups IIA, IIB, IIC, IIIC

(1) Lock Nut (2) Thread Seals (3) Gland Body (4) Inner Sealing (5) Inner Washer (6) Ring Body (7) Reversible Armour Clamping Ring (RAC) (8) Middle Body (9) Outer Sealing (10) Protection Tube (11) Cable Nut

GLAND	STANDARD ENTRY THREADS OTHER OPTIONS			THREAD LENGTH			CABLE DIMENSIONS (MM)				ARMOUR ACCEPTANCE RANGE	
							CABLE DIA (A)		CABLE DIA (B)			
	Metric (ISO)	NPT/ BSP	ET	METRIC (ISO)	NPT/ BSP	ET	MIN	MAX	MIN	MAX	W	XYZ
Ex E*Series	M 20S	½"	¾"	15	19	16.5	6.1	11.6	9.5	15.9	0.90/1.25	0.15/0.35
Ex E*Series	M 20	½"	¾"	15	19	16.5	6.5	13.9	12.5	20.9	0.90/1.25	0.15/0.50
Ex E*Series	M 25	¾"	1"	15	20	16.5	11.1	19.9	17	26.2	1.25/1.60	0.15/0.50
Ex E*Series	M 32	1"	1-¼"	15	22	16.5	17	26.2	22.9	33.9	1.60/2.00	0.15/0.55
Ex E*Series	M 40	1-¼"	1-½"	15	22	16.5	22	32.1	26	44.4	1.60/2.00	0.20/0.60
Ex E*Series	M 50S	1-½"	2"	20	22	20	29.5	38.1	35	46.7	2.00/2.5	0.20/0.60
Ex E*Series	M 50	2"	2"	20	22	20	35.6	44	38	53.1	2.00/2.5	0.30/0.80
Ex E*Series	M 63S	2"	2-½"	20	22	20	40.1	49.9	45.6	59.4	2.50	0.30/0.80
Ex E*Series	M 63	2-½"	2-½"	20	29	20	47.2	55.9	54.6	65.9	2.50	0.30/0.80
Ex E*Series	M 75S	2-½"	3"	20	29	20	52.8	61.9	57	72.1	2.50	0.30/1.00
Ex E*Series	M 75	3"	3"	20	29	20	59.1	67.9	60.4	78.5	2.50	0.30/1.00
Ex E*Series	M 90	3"	3-½"	20	29	20	66.6	79.3	69.2	90.4	3.15	0.45/1.00

All dimensions are in millimeter

ATCAB®

ATCAB A2 Series* Cable Gland

CABLE GLAND TYPE A2F

EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

GENERAL SPECIFICATION & AREA CLASSIFICATION

ATCAB® CABLE GLAND A2 Series*, Type: A2F

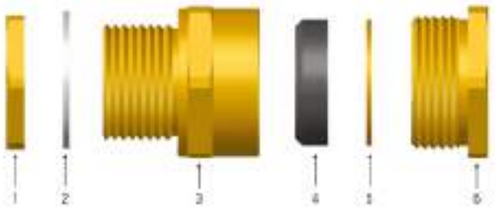
The A2 Series* single compression cable glands maintain Flameproof Exd and Increased Safety Exe methods of explosion protection IP67. Type A2F is intended for all types unarmoured and braid armoured cable.

The A2 Series* cable gland type A2F consists of Lock Nut, Thread Seals, Gland Body, Sealing Ring, Brass Washer and Bush.

For use with Electrical apparatus in Zone 1, 2, 21, 22 areas, Groups IIA, IIB, IIC, IIIC

A2 SERIES* CABLE GLAND TYPE A2F

(1) Locknut (4) Sealing Ring
(2) Thread Seals (5) Brass Washer
(3) Gland Body (6) Bush



DECLARATION

Design Standard	: EN 60079-0:2012+A11:2013 EN 60079-1:2014, EN 60079-31:2014, BS6121, EN62444:2013, IEC 60529
Certification	: Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67
Certificate	: TI17ATEX 822 X - Ex Notified Body No. 1354
Ingress Protection	: IP 67
Gland Marking	: ATCAB® CE 1354 Ex Ex db eb IIC Gb Ex tb IIIC Db
Operating Tem.	: The Standard cable sealing washer (EPDM Elastomeric sealing ring) used and is suitable for operating temperature - 60°C Tamb ≤ +125°C

OPTIONS

Materials	: Brass: BS 2874 CZ121 / IS 319 gr. 1 Stainless Steel: ASTM A314 gr. 304/316 L Mild Steel
Threads	: ISO Metric National Pipe Thread (NPT) British Standard Pipe (BSP) Imperial (ET)
Seals	: Extended operating temperature, Silicone Seals -60°C≤ Ta <+180°C
Plating	: Brass Finish/Nickel Finish/Chrome Finish
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

GLAND	STANDARD ENTRY THREADS OTHER OPTIONS			THREAD LENGTH			CABLE DIMENSIONS (MM) CABLE DIA	
	METRIC (ISO)	NPT/ BSP	ET	METRIC (ISO)	NPT/ BSP	ET	MIN	MAX
Ex A2F Series*	M 20S	½"	¾"	15	19	16.5	6.1	11.6
Ex A2F Series*	M 20	½"	¾"	15	19	16.5	6.5	13.9
Ex A2F Series*	M 25	¾"	1"	15	20	16.5	11.1	19.9
Ex A2F Series*	M 32	1"	1-¼"	15	22	16.5	17	26.2
Ex A2F Series*	M 40	1-¼"	1-½"	15	22	16.5	22	32.1
Ex A2F Series*	M 50S	1-½"	2"	20	22	20	29.5	38.1
Ex A2F Series*	M 50	2"	2"	20	22	20	35.6	44
Ex A2F Series*	M 63S	2"	2-½"	20	22	20	40.1	49.9
Ex A2F Series*	M 63	2-½"	2-½"	20	29	20	47.2	55.9
Ex A2F Series*	M 75S	2-½"	3"	20	29	20	52.8	61.9
Ex A2F Series*	M 75	3"	3"	20	29	20	59.1	67.9
Ex A2F Series*	M 90	3"	3-½"	20	29	20	66.6	79.3

All dimensions are in millimeter

ATCAB®

A2 Series* Cable Gland

CABLE GLAND TYPES A1-A2

EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

GENERAL SPECIFICATION & AREA CLASSIFICATION

ATCAB® CABLE GLAND A2 Series*, Type: A1-A2

The A2 Series* single compression cable glands maintain Flameproof Exd and Increased Safety Exe methods of explosion protection IP67. Type A1-A2 is intended for all types unarmoured and braid armoured cable.

The A2 Series* cable gland type A1-A2 consists of Lock Nut, Thread Seals, Gland Body, Sealing Ring, Nylon Washer and Bush.

For use with Electrical apparatus in Zone 1, 2, 21, 22 areas, Groups IIA, IIB, IIC, IIIC

A2 SERIES* CABLE GLAND TYPE A1-A2

(1) Locknut (4) Sealing Ring
(2) Thread Seals (5) Nylon Washer
(3) Gland Body (6) Bush

DECLARATION

Design Standard	: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014, BS6121, EN62444:2013, IEC 60529
Certification	: Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67
Certificate	: TI17ATEX 822 X - Ex Notified Body No. 1354
Ingress Protection	: IP 67
Gland Marking	: ATCAB® CE 1354 Ex Ex db eb IIC Gb Ex tb IIIC Db
Operating Tem.	: The Standard cable sealing washer (EPDM Elastomeric sealing ring) used and is suitable for operating temperature - 60°C Tamb ≤ +125°C

OPTIONS

Materials	: Brass: BS 2874 CZ121 / IS 319 gr.1 Stainless Steel: ASTM A314 gr. 304/316 L Mild Steel
Threads	: ISO Metric National Pipe Thread (NPT) British Standard Pipe (BSP) Imperial (ET)
Seals	: Extended operating temperature, Silicone Seals -60°C≤ Ta <+180°C
Plating	: Brass Finish/Nickel Finish/Chrome Finish
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

GLAND	STANDARD ENTRY THREADS OTHER OPTIONS			THREAD LENGTH			CABLE DIMENSIONS (MM) CABLE DIA	
	METRIC (ISO)	NPT/ BSP	ET	METRIC (ISO)	NPT/ BSP	ET	MIN	MAX
Ex A1-A2 Series*	M 20S	½"	¾"	15	19	16.5	8	11.5
Ex A1-A2 Series*	M 20	½"	¾"	15	19	16.5	11	13.5
Ex A1-A2 Series*	M 25S	¾"	1"	15	20	16.5	13	16.5
Ex A1-A2 Series*	M 25	¾"	1"	15	20	16.5	16	19.5
Ex A1-A2 Series*	M 32S	1"	1-¼"	15	22	16.5	19	25.5
Ex A1-A2 Series*	M 32	1"	1-¼"	15	22	16.5	19	25.5
Ex A1-A2 Series*	M 40S	1-¼"	1-½"	15	22	16.5	23	29
Ex A1-A2 Series*	M 40	1-¼"	1-½"	15	22	16.5	25	32
Ex A1-A2 Series*	M 50S	1-½"	2"	20	22	20	31.5	37
Ex A1-A2 Series*	M 50	2"	2"	20	22	20	36.5	43
Ex A1-A2 Series*	M 63S	2"	2-½"	20	22	20	42.5	50
Ex A1-A2 Series*	M 63	2-½"	2-½"	20	29	20	49.5	55
Ex A1-A2 Series*	M 75S	2-½"	3"	20	29	20	54.5	61
Ex A1-A2 Series*	M 75	3"	3"	20	29	20	60.5	67
Ex A1-A2 Series*	M 90	3"	3-½"	20	29	20	65	78

All dimensions are in millimeter

ATCAB®

Adaptor & Reducer

EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

IP67 RoHS

CE Ex

GENERAL SPECIFICATION & AREA CLASSIFICATION

ATCAB® ADAPTOR

The ATCAB® ADAPTOR is intended for outdoor use in the appropriate Hazardous areas providing environmental protection IP67 with entry thread of Metric, BSP (BS Pipe Threads), NPT (Taper Threads) And ET (BS Conduit Thread). They are suitable for normal industrial environmental of temperature, humidity and vibration. The ATCAB® ADAPTOR is available to suit explosive atmosphere applications as well as general purpose and industrial. The ATCAB® ADAPTOR used for thread conversion and available in a wide range of thread & sizes. The ATCAB® ADAPTOR consist of Adaptor and Sealing ring.

ATCAB® REDUCER, TYPE-A and TYPE-B

The ATCAB® REDUCER is intended for outdoor use in the appropriate Hazardous areas providing environmental protection IP67 with entry thread of Metric, BSP (BS Pipe Threads), NPT (Taper Threads) And ET (BS Conduit Thread). They are suitable for normal industrial environmental of temperature, humidity and vibration. The ATCAB® REDUCER is available to suit explosive atmosphere applications as well as general purpose and industrial. The ATCAB® REDUCER used for thread conversion and available in a wide range of thread & sizes. The ATCAB® REDUCER consist of Reducer and Sealing ring.

For use with Electrical apparatus in Zone 1, 2, 21, 22 areas, Groups IIA, IIB, IIC, IIIC

DECLARATION

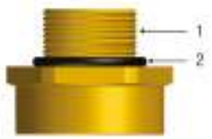
Design Standard	: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014
Certification	: Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67
Ingress Protection	: IP 67
Certificate-Adaptor	: TI17ATEX 824 X - Ex Notified Body No. 1354
Certificate-Reducer	: TI17ATEX 825 X - Ex Notified Body No. 1354
Marking-Adaptor	: ATCAB® CE 1354 Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67 Ta x
Marking-Reducer	: ATCAB® CE 1354 Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67 Ta x

OPTIONS

Materials	: Brass: BS 2874 CZ121 / IS 319 gr.1 Stainless Steel: ASTM A314 gr. 304/316 L Mild Steel
Threads	: ISO Metric National Pipe Thread (NPT) British Standard Pipe (BSP) Imperial (ET)
Plating	: Brass Finish/Nickel Finish/Chrome Finish
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

ATCAB® ADAPTOR

(1) Adaptor (2) Sealing Ring

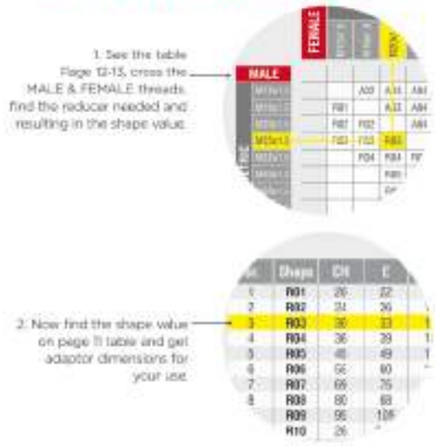


ATCAB® REDUCER

(1) Reducer (2) Sealing Ring

HOW TO GET 'A' ADAPTORS DIMENSIONS

HOW TO GET 'R' REDUCERS DIMENSIONS



ATCAB®

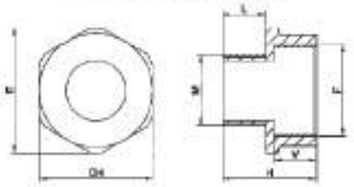
Dimension Chart

SHAPE 'A' ADAPTORS DIMENSIONS
SHAPE 'R' REDUCERS DIMENSIONS

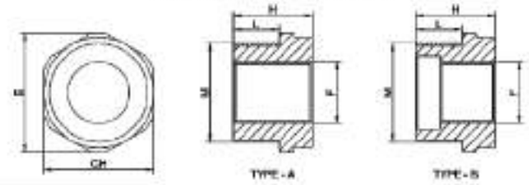
IP67 RoHS

CE Ex

SHAPE 'A' DIMENSIONS



SHAPE 'R' DIMENSIONS



Sr.	Shape	CH	E	L	V	H
1	A01	20	22	15	15	33
2	A02	24	26.4	15	15	33
3	A03	26	28.6	15	15	33
4	A04	32	35	15	15	33
5	A05	40	44	15	15	33
6	A06	45	49.5	15	15	33
7	A07	55	60	15	15	33
8	A08	70	77	15	15	33
9	A09	85	93	15	20	38
10	A10	100	110	15	20	38
11	A11	85	93	20	20	43
12	A12	100	110	20	20	43
13	A13	40	44	16	15	34
14	A14	45	49.5	16	15	34
15	A15	55	60	16	15	34
16	A19	45	49.5	17	15	35
17	A20	55	60	17	15	35
18	A21	70	77	17	15	35
19	A22	85	93	17	20	40
20	A24	70	77	18	15	36
21	A23	85	93	18	20	41
22	A26	100	110	18	20	41
23	A27	26	28.6	18	15	36
24	A28	32	35	18	15	36
25	A29	40	44	18	15	36
26	A30	45	49.5	18	15	36
27	A32	40	44	22	15	40
28	A33	45	49.5	22	15	40
29	A34	55	60	22	15	40
30	A35	70	77	22	15	40
31	A38	55	60	24	15	42
32	A39	70	77	24	15	42
33	A40	85	93	24	20	47
34	A42	85	93	28	20	51
35	A43	100	110	28	20	51
36	A44	40	44	23	15	41
37	A45	45	49.5	23	15	41
38	A46	55	60	23	15	41
39	A47	70	77	23	15	41
40	A50	40	44	16	16	34
41	A51	50	55	16	17	35
42	A52	55	60	16	17	35
43	A53	70	77	16	18	36
44	A54	95	104	15	20	38
45	A55	95	104	20	20	43
46	A57	50	55	16	17	36
47	A58	55	60	16	17	36
48	A59	70	77	16	18	37
49	A62	55	60	17	17	37
50	A63	70	77	17	18	38
51	A64	95	104	17	20	40
52	A66	95	104	18	20	41
53	A67	40	44	18	16	37
54	A68	50	55	18	17	38
55	A70	40	44	22	16	41
56	A71	50	55	22	17	42
57	A72	55	60	22	17	42
58	A73	70	77	22	18	43
59	A75	55	60	24	17	44
60	A76	70	77	24	18	45
61	A77	95	104	24	20	47
62	A78	95	104	28	20	51
63	A79	40	44	23	16	42
64	A80	50	55	23	17	43
65	A81	55	60	23	17	43
66	A82	100	110	23	18	44
67	A84	16	17.6	15	15	33
68	A85	27	29.7	15	15	33
69	A86	36	39.6	15	15	33
70	A87	60	66	15	20	38
71	A88	65	71	15	20	38
72	A89	30	33	15	15	33
73	A90	70	77	15	20	38
74	A98	65	71	20	20	43
75	A99	24	26.4	18	15	36
76	A111	26	28.6	15	18	36
77	A112	32	35	15	18	36
78	A113	40	44	15	22	40
79	A114	50	55	15	22	40
80	A115	55	60	15	24	42
81	A116	70	77	15	24	42
82	A117	80	88	15	28	46
83	A118	95	104	15	28	46
84	A119	80	88	20	28	51
85	A120	95	104	20	28	51
86	A123	55	60	16	24	43
87	A128	55	60	17	24	44
88	A129	70	77	17	24	44
89	A134	95	104	18	28	49
90	A137	32	35	18	18	39
91	A138	40	44	18	22	43
92	A139	50	55	18	22	43
93	A140	55	60	18	24	45
94	A142	50	55	22	22	47
95	A143	55	60	22	24	49
96	A144	70	77	22	24	49
97	A145	80	88	22	28	53
98	A148	70	77	24	24	51
99	A149	80	88	24	28	55
100	A150	95	104	24	28	55
101	A152	95	104	28	28	59
102	A154	50	55	23	22	48
103	A155	55	60	23	24	50
104	A156	70	77	23	24	50
105	A159	40	44	15	23	41
106	A160	50	55	15	23	41
107	A161	85	94	15	28	46
108	A162	85	94	20	28	51
109	A164	50	55	16	23	42
110	A163	85	94	18	28	49
111	A169	50	55	18	23	44
112	A171	50	55	22	23	48
113	A173	85	94	24	28	55
114	A176	50	55	23	23	49
115	A178	60	66	20	15	38
116	A179	70	77	20	15	38

Sr.	Shape	CH	E	L	H
1	R01	20	22	15	26
2	R02	24	26	15	28
3	R03	30	33	15	29
4	R04	36	39	15	26
5	R05	45	49	15	26
6	R06	55	60	15	29
7	R07	69	75	15	29
8	R08	80	88	20	34
9	R09	95	105	20	34
10	R10	26	28.6	15	26
11	R11	36	39.6	16	27
12	R12	45	49.5	17	28
13	R13	50	55	17	31
14	R14	69	74	18	32
15	R15	98	105	20	34
16	R16	32	35	15	26
17	R17	40	44	15	26
18	R18	50	55	15	29
19	R19	60	66	20	34
20	R20	65	71	20	34
21	R21	24	26.4	18	29
22	R22	27	29.7	18	29
23	R23	36	39.6	22	33
24	R24	45	49.5	22	33
25	R25	50	55	24	38
26	R26	60	75	24	38
27	R27	80	88	28	42
28	R28	98	105	28	42
29	R29	36	39.6	23	34
30	R30	45	49.5	23	34
31	R31	60	88	28	42

ATCAB®

Adaptor & Reducer

MALE - FEMALE SELECTION CHART

Cross the threads and get the shape type to see 'A' adaptors & 'R' Reducers Dimension, then check the previous page no. 11

MALE \ FEMALE	METRIC									NPT								BSPT							
	M12x1.5	M16x1.5	M20x1.5	M24x1.5	M30x1.5	M36x1.5	M50x1.5	M63x1.5	M72x1.5	M90x1.5	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1 1/4" NPT	1 1/2" NPT	2" NPT	2 1/2" NPT	3" NPT	3/8"	1/2"	3/4"	1"	1 1/4"
M12x1.5		A02	A03	A04							A02	A111	A112								A02	A111				
M16x1.5	R01		A03	A04							A02	A111	A112								A02	A111	A112			
M20x1.5	R02	R02		A04	A05	A06					R02	A111	A112	A113							R02	A111	A112	A159		
M24x1.5	R03	R03	R03		A05	A06	A07				R03	R03	A112	A113	A114						R03	R03	A112	A159	A160	
M30x1.5		R04	R04	R04		A06	A07	A08			R04	R04	R04	A113	A114	A115					R04	R04	R04	A159	A160	A115
M36x1.5			R05	R05	R05		A07	A08				R05	R05	R05	A114	A115						R05	R05	R05	A160	A115	A116
M50x1.5			R06	R06	R06	R06		A08	A09			R06	R06	R06	R06	A115	A116						R06	R06	R06	A115	A116	A161
M63x1.5				R07	R07	R07	R07		A09	A10			R07	R07	R07	R07	A116	A117					R07	R07	R07	A116	A161	A118
M72x1.5					R08	R08	R08	R08		A12				R08	R08	R08	R08	A117	A120					R08	R08	A162	A120
M90x1.5								R09							R09	R09	R09	R09	A120					R09	R09	A120
1/8" NPT	R01	A02	A03	A04								A111	A112	A113								A111	A112			
1/4" NPT	R21	R21	A27	A28	A29						A69		A137	A138	A139						A69		A137	A168		
3/8" NPT	R22	R22	R22	A28	A29	A30					R22	R22		A138	A139	A140					R22	R22		A168	A169	
1" NPT		R23	R23	R23	A32	A33	A34				R23	R23	R23		A142	A143	A144				R23	R23	R23		A171	A143
1 1/4" NPT			R24	R24	R24	A33	A34	A35				R24	R24	R24		A143	A144	A145			R24	R24	R24	R24		A143	A144
1 1/2" NPT				R25	R25	R25	A36	A39	A40				R25	R25	R25		A148	A149	A150				R25	R25	R25		A148	A173
2" NPT				R26	R26	R26	R26	A39	A40						R26	R26		A146	A150				R26	R26	R26	A176	A146	A173	A150
2 1/2" NPT					R27	R27	R27	A42	A43							R27	R27		A152				R27	R27	R27	A42	A178	A152
3" NPT					R28	R28	R28	R28	A43								R28	R28					R28	R28	R28	A178		
3/8"	R01		A03	A04								A111	A112									A111	A112			
1/2"	R21	R21	A27	A28	A29						R21		A137	A138							R21		A137	A168		
3/4"	R22	R22	R22	A28	A29	A30					R22	R22		A138	A139						R22	R22		A168	A169	
1"		R29	R29	R29	A44	A45	A46				R29	R29	R29		A154	A155					R29	R29	R29		A176	A155
1 1/4"			R30	R30	R30	A45	A46	A47				R30	R30	R30		A155	A156					R30	R30	R30		A155	A156
1 1/2"				R25	R25	R25	A36	A39					R25	R25	R25		A148	A149					R25	R25	R25		A148	A173
2"				R26	R26	R26	A39	A40						R26	R26	R26		A149	A150				R26	R26	R26		A173	A150
2 1/2"					R31	R31	R31	A42	A43					R31	R31	R31		A152					R31	R31	R31		A152	
3"						R28	R28	R28	A43						R28	R28	R28							R28	R28	R28	A178		
R02	A01	A02																								
R03	A01	A02	A03																							
R04	R02	A02	A03	A04																						
R06	R10	R10	A03	A04	A05																					
R08	R10	R10	A03	A04	A05	A06																				
R10		R10	R10	A04	A05	A06	A07																			
R12			R16	A04	A05	A06	A07	A08																		
R16			R17	R17	R17	A06	A07	A08																		
R20				R18	R18	R18	A07	A08	A09																	
R24					R19	R19	A179	A179	A11	A12																
R32					R20	R20	A179	A11	A12																	
3/8"	R01	A02	A03	A04							A02	A111	A112									A111	A112			
1/2"	R02	R02	A03	A04	A05						R01	A111	A112	A113							R01		A112	A159		
3/4"	R03	R03	R03	A04	A05	A06					R03	R03	A112	A113	A114						R03	R03		A159	A160	
1"		R04	R04	R04	A13	A14	A15				R11	R11	R11	A113	A114	A115					R11	R11	R11		A164	A123
1 1/4"			R05	R05	R05	A19	A20	A21				R13	R12	R12	A114	A115	A116					R13	R12	R12		A128	A129
1 1/2"				R06	R06	R06	A20	A21	A22				R13	R13	R13	A115	A116	A117				R13	R13	R13		A129	
2"					R07	R07	R07	A24	A25	A26				R14	R14	R14	A116	A117				R14	R14	R14		A168	A134
2 1/2"						R08	R08	R08	A11	A12					R08	R08	R08	R08	A120				R08	R08	R08		A120	
3"						R09	R09	R09	A12						R15	R15	R15	A120				R15	R15	R15			
1/2"	A01	A02	A03								A02	A111									A02	A111				
3/4"	R01	A02	A03	A04							A02	A111	A112								A02	A111	A112			
1"	R03	R03	A03	A04	A05						A03	A111	A113	A113							A03	A111	A112	A159		
1 1/4"	R03	R03	R03	A04	A05	A06					R03	R03	A112	A113	A114						R03	R03	A112	A159	A160	
1 1/2"		R04	R04	R04	A13	A06	A07				R04	R04	R04	A113	A114	A115					R04	R04	R04	A159	A160	A115
2"			R05	R05	R05	A06	A07	A21				R05	R05	R05	A114	A115	A116					R05	R05	R05	A160	A115	A116
2 1/2"				R06	R06	R06	A07	A21	A22				R06	R06	R06	A115	A116	A117				R06	R06	R06	A115	A116	A161
3"					R07	R07	R07	A24	A25	A26				R07	R07	R07	A116	A117	A118				R07	R07	R07	A116	A161	
4"						R08	R08	R08	A11	A12					R08	R08	R08	A119	A120				R08	R08	R08	A162		
5"						R09	R09	R09	A12						R09	R09	R09	A120					R09	R09	R09			

Adaptor & Reducer

MALE - FEMALE SELECTION CHART

Cross the threads and get the shape type to see 'A' adaptors & 'R' Reducers Dimension, then check the previous page no. 11

MALE \ FEMALE	PG									BSP								B.S. CONE (ET)							
	PG7	PG9	PG11	PG13.5	PG16	PG21	PG29	PG36	PG42	PG48	G1/8"	G1/4"	G3/8"	G1/2"	G5/8"	G3/4"	G1"	ET1/4"	ET3/8"	ET1/2"	ET5/8"	ET3/4"	ET1"	ET1 1/4"	ET1 1/2"	ET2"
1/8" NPT	A84	A01	A02								A02	A03						A02								
1/4" NPT	R01	A01	A02	A03							R01	A01	A02	A03	A04				A03							
3/8" NPT	R02	R02	A02	A03	A85						R02	A03	A04	A50				R02	A03	A04	A05					
1/2" NPT	R03	R03	R03	R03	A89	A86					R03	R03	A04	A50	A51			R03	R03	A04	A05	A06				
3/4" NPT	R04	R04	R04	R04	R04	A86	A06				R04	R04	A04	A50	A51	A52		R04	R04	A04	A05	A06	A07			
1" NPT				R05	R05	R05	A08	A07				R05	R05	A51	A52	A53			R05	R05	A06	A07	A08			
1 1/4" NPT					R06	R06	R06	A07	A87				R06	R06	A52	A53	A09			R06	R06	R06	A07	A08	A09	
1 1/2" NPT						R07	R07	R07	R07	A88				R07	R07	A53	A09	A54			R07	R07	R07	A08	A09	A10
2" NPT							R08	R08	R08	R08					R08	R28	A11	A55				R08	R08	R08	A11	A12
2 1/2" NPT								R09	R09	R09						R09	R09	A55					R09	R09	R09	A12
3/8"											A02	A03	A04					A02	A03							
1/2"											R21	A21	A28	A67				R21	A27	A28						
3/4"											R22	R22	A28	A67	A68			R22	R22	A28	A29					
1"											R23	R23	R23	A70	A71	A72		R23	R23	R23	A32	A33				
1 1/4"												R24	R24	F24	A71	A72	A73		R24	R24	R24	A33	A34			
1 1/2"												R25	R25	R25	A75	A76	A40			R25	R25	R25	A34	A39		
2"												R26	R26	R26	A76	A40	A77				R26	R26	R26	A39	A40	
2 1/2"													R27	R27	R27	A42	A78				R27	R27	R27	A42	A43	
3"													R28	R28	R28	A78					R28	R28	R28	A43		
3/8"		A01	A02									A01	A02	A03												
1/2"	A01		A02	A03	A05						A01		A02	A03	A05											
3/4"	R02	A02		A03	A85	A86					R02	A02		A03	A05	A06										
1"	R10	R10			A05	A06	A06				R10	R10			A05	A06	A06									
1 1/4"	R10	R10	R10			A86	A06	A07			R10	R10	R10			A06	A07									
1 1/2"			R16	R16	R16		A06	A07	A87				R16	R16	R16		A07	A87								
2"				R17	R17	R17		A07	A87	A88				R17	R17	R17		A87	A88							
2 1/2"					R18	R18	R18		R87	A88					R18	R18	R18		R87	A88						
3"						R19	R19	R19		A88						R19	R19	R19		A88						
4"							R20	R20	R20								R20	R20	R20							
3/8"																										
1/2"																										
3/4"																										
1"																										
1 1/4"																										
1 1/2"																										
2"																										
2 1/2"																										
3"																										
4"																										
5"																										

Stop Plug

EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

IP67 RoHS CE Ex

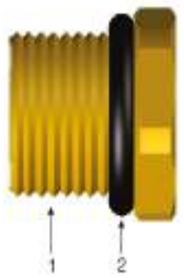
GENERAL SPECIFICATION & AREA

ATCAB® STOP PLUG, TYPE - A and TYPE - B

STOP PLUG is available to suit explosive atmosphere applications as well as general purpose and industrial. The ATCAB® STOP PLUG provides a means of blanking unused cable entries on a temporary or permanent basis. The ATCAB® STOP PLUG consist of Stop Plug and Sealing ring.

For use with Electrical apparatus in Zone 1, 2, 21, 22 areas, Groups IIA, IIB, IIC, IIIC

ATCAB® STOP PLUG
(1) Stop Plug
(2) Sealing Ring



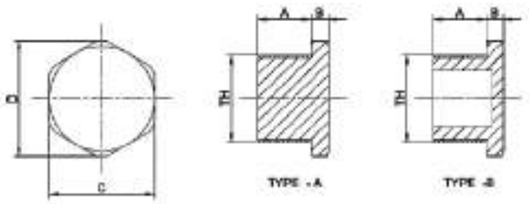
DECLARATION

Design Standard	: EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014
Certification	: Ex II 2 GD Ex db IIC Gb / Ex e IIC Gb Ex tb IIIC Db IP67
Ingress Protection	: IP 67
Certificate	: TI17ATEX 826 X - Ex Notified Body No. 1354
Marking	: ATCAB® CE UKCA Ex

OPTIONS

Materials	: BRASS: BS 2874 CZ121 / IS 319 gr. 1 Stainless Steel: ASTM A314 gr. 304/316 L Mild Steel
Threads	: ISO Metric National Pipe Thread (NPT) British Standard Pipe (BSP) Imperial (ET)
Plating	: Brass Finish/Nickel Finish/Chrome Finish
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

DIMENSIONS



Metric Thread Size (TH)	A	B	C	D
M12 x 1.5	15	5	16	18
M16 x 1.5	15	5	20	22
M20 x 1.5	15	5	24	26
M25 x 1.5	15	5	30	33
M32 x 1.5	15	5	36	40
M40 x 1.5	15	5	45	50
M50 x 1.5	15	8	55	60
M63 x 1.5	15	8	68	74
M75 x 1.5	20	8	80	86
M90 x 1.5	20	8	100	107

NPT Thread Size (TH)	A	B	C	D
1/4" NPT	15	5	16	17.6
3/8" NPT	15	5	20	22
1/2" NPT	18	5	24	26.4
3/4" NPT	18	5	30	33
1" NPT	22	5	36	39.6
1.1/4" NPT	22	5	45	49.5
1.1/2" NPT	24	8	50	55
2" NPT	24	8	68	74
2.1/4" NPT	28	8	80	86
3" NPT	28	8	100	107

BSP Thread Size (TH)	A	B	C	D
1/4"	15	5	16	17.6
3/8"	15	5	24	26.4
1/2"	15	5	26	28.6
3/4"	15	5	30	33
1"	16	5	36	39.6
1.1/4"	17	5	45	49.5
1.1/2"	17	8	50	55
2"	18	8	68	74
2.1/4"	20	8	80	86
3"	20	8	100	107

BSPT Thread Size (TH)	A	B	C	D
1/4"	15	5	16	17.6
3/8"	15	5	20	22
1/2"	18	5	24	26.4
3/4"	18	5	27	29.7
1"	23	5	35	39.6
1.1/4"	23	5	45	49.5
1.1/2"	24	8	50	55
2"	24	8	68	74
2.1/4"	28	8	80	86
3"	28	8	100	107

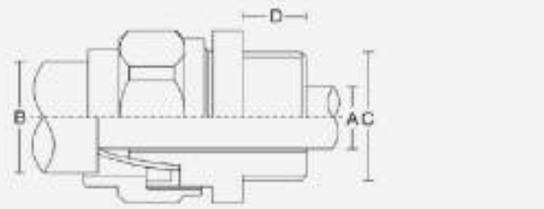
PG Thread Size (TH)	A	B	C	D
PG 7	15	5	16	17.6
PG 9	15	5	20	22
PG 11	15	5	24	26.4
PG 13.5	15	5	26	28.6
PG 16	15	5	25	28.6
PG 21	15	5	32	35
PG 29	15	5	40	44
PG 36	15	8	50	55
PG 42	20	8	60	65
PG 48	20	8	68	74

B.S. CONE (ET) Thread Size	A	B	C	D
ET 1/4"	15	5	16	16
ET 3/8"	15	5	20	22
ET 1/2"	15	5	24	26
ET 3/4"	15	5	30	33
ET 1"	15	5	36	40
ET 1.1/4"	15	5	45	50
ET 1.1/2"	15	8	55	60
ET 2"	15	8	68	74
ET 2.1/4"	20	8	80	86
ET 3"	20	8	100	107

ATCAB®

BW4PT Cable Glands

IP30 RoHS CE



TECHNICAL DETAILS

Size	: 20 mm to 90 mm S & L
Standard	: BS 6121, IEC 62444, EN 62444, EN50262
IP Rating	: IP30
Application	: Dry Indoor, for use with all types of SWA Cable
Function	: Provide mechanical Cable Retention & Electrical Wire continuity via Armoured Wire
Material	: Brass BS 2874 CZ121 Pb3
Optional Threads	: Metric, NPT, BSP & PG
Finish	: Natural Brass Finish, Nickel Finish
Operating Temp.	: -80°C to +600°C
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

CODE NO.	GLAND SIZE	THREAD SIZE 'C'		MINIMUM LENGTH OF THREAD 'D'	CABLE RANGE	
		METRIC	NPT		Max 'A'	Max 'B'
AT-B4-20S	BW 20S	M20	½"	10	11.50	15.50
AT-B4-20L	BW 20L	M20	½"	10	14.00	20.50
AT-B4-25S	BW 25S	M25	3/4"	10	18.00	24.00
AT-B4-25L	BW 25L	M25	3/4"	10	20.00	27.20
AT-B4-32S	BW 32S	M32	1"	10	26.30	33.50
AT-B4-32L	BW 32L	M32	1"	10	26.30	33.50
AT-B4-40S	BW 40S	M40	1-¼"	13	31.50	39.50
AT-B4-40L	BW 40L	M40	1-¼	13	32.00	40.00
AT-B4-50S	BW 50S	M50	1-½"	13	38.20	46.30
AT-B4-50L	BW 50L	M50	2"	13	44.00	52.60
AT-B4-63S	BW 63S	M63	2"	14	50.10	59.00
AT-B4-63L	BW 63L	M63	2-½"	14	56.00	65.30
AT-B4-75S	BW 75S	M75	2-½"	15	62.00	71.60
AT-B4-75L	BW 75L	M75	3"	15	68.00	78.00
AT-B4-90S	BW 90S	M90	3"	18	80.50	91.00
AT-B4-90L	BW 90L	M90	3"	18	80.50	91.00

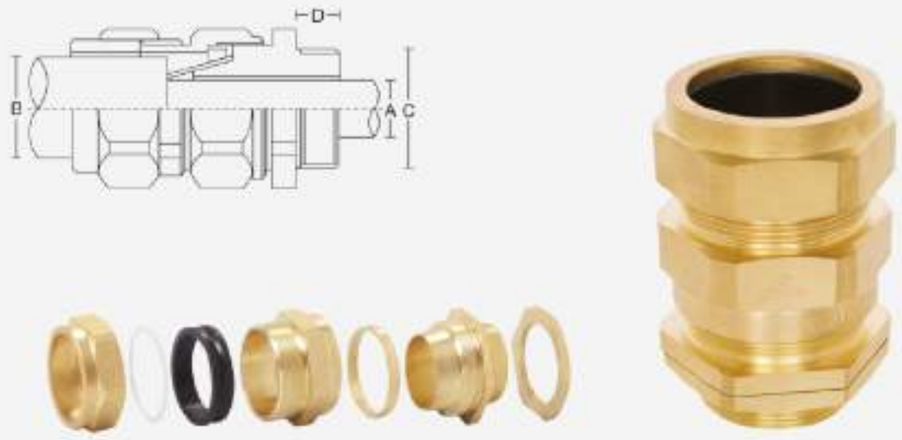
Also available in Kit packing and as per the specification.

All dimensions are in millimeter

ATCAB®

CW4PT Cable Glands

IP65 RoHS CE



TECHNICAL DETAILS

Size : 20 mm to 90 mm S & L
Standard : BS 6121, IEC 62444, EN 62444, EN50262
IP Rating : IP65
Application : For indoor or outdoor use with all types of SWA Cable
Function : CW type glands provide a seal on the outer sheath and an armour specific armour clamp for armoured cable. The armour clamp provides an electrical bond armour cable and the gland.

Material : Brass BS 2874 CZ121 Pb3
Optional Threads : Metric, NPT, BSP & PG
Finish : Natural Brass Finish, Nickel Finish
Operating Temp. : Standard seals -20°C to +80°C
Accessories : Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

CODE NO.	GLAND SIZE	THREAD SIZE 'C'		MINIMUM LENGTH OF THREAD 'D'	CABLE RANGE	
		METRIC	NPT		Max 'A'	Max 'B'
AT-C4-20S	CW 20S	M20	½"	10	11.50	15.50
AT-C4-20L	CW 20L	M20	½"	10	14.00	20.50
AT-C4-25S	CW 25S	M25	3/4"	10	18.00	24.00
AT-C4-25L	CW 25L	M25	3/4"	10	20.00	27.20
AT-C4-32S	CW 32S	M32	1"	10	26.30	33.50
AT-C4-32L	CW 32L	M32	1"	10	26.30	33.50
AT-C4-40S	CW 40S	M40	1-¼"	13	31.50	39.50
AT-C4-40L	CW 40L	M40	1-¼	13	32.00	40.00
AT-C4-50S	CW 50S	M50	1-½"	13	38.20	46.30
AT-C4-50L	CW 50L	M50	2"	13	44.00	52.60
AT-C4-63S	CW 63S	M63	2"	14	50.10	59.00
AT-C4-63L	CW 63L	M63	2-½"	14	56.00	65.30
AT-C4-75S	CW 75S	M75	2-½"	15	62.00	71.60
AT-C4-75L	CW 75L	M75	3"	15	68.00	78.00
AT-C4-90S	CW 90S	M90	3"	18	80.50	91.00
AT-C4-90L	CW 90L	M90	3"	18	80.50	91.00

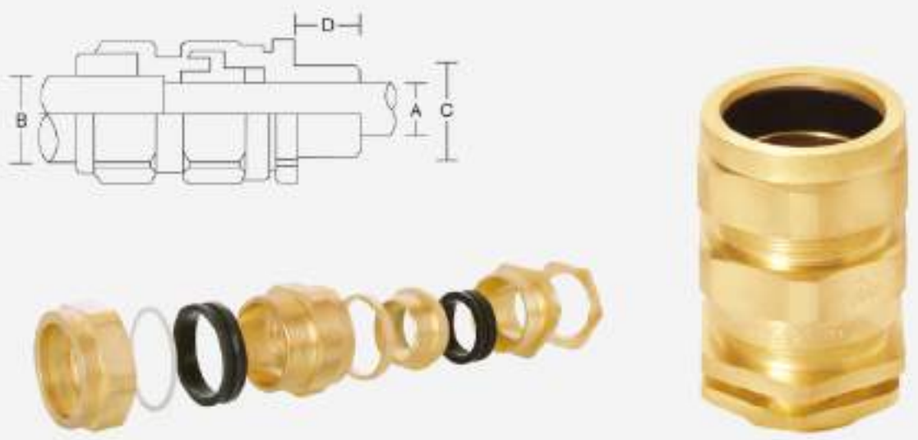
Also available in Kit packing and as per the specification.

All dimensions are in millimeter

ATCAB®

E1W Cable Glands

IP65 RoHS CE



TECHNICAL DETAILS

Size : 20 mm to 100 mm S & L
Standard : BS 6121, IEC 62444, EN 62444, EN50262
IP Rating : IP65
Application : For indoor or outdoor use with all types of SWA Cable
Function : E1W type glands provide a seal on the inner sheath, a seal on the outer sheath and an armour specific armour clamp for armoured cable. The armour clamp provides an electrical bond between the armour cable and the gland.

Material : Brass BS 2874 CZ121 Pb3
Optional Threads : Metric, NPT, BSP & PG
Finish : Natural Brass Finish, Nickel Finish
Operating Temp. : Standard seals -20°C to +80°C
Accessories : Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC / LSF Shroud

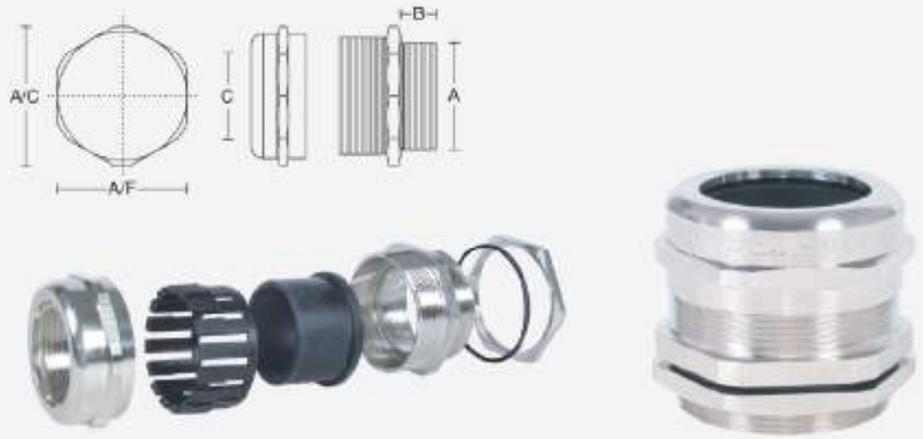
CODE NO.	GLAND SIZE	THREAD SIZE 'C'		MINIMUM LENGTH OF THREAD 'D'	CABLE RANGE 'A'		CABLE RANGE 'B'	
		METRIC	NPT		MIN.	MAX.	MIN.	MAX.
AT-E1-20S	E1W 20S	M20	½"	15	8.80	11.70	11.80	16.00
AT-E1-20L	E1W 20L	M20	½"	15	11.40	14.00	14.00	20.80
AT-E1-25S	E1W 25S	M25	3/4"	15	13.00	16.00	18.00	24.00
AT-E1-25L	E1W 25L	M25	3/4"	15	17.30	20.00	20.30	27.40
AT-E1-32S	E1W 32S	M32	1"	10	20.00	23.00	24.50	31.00
AT-E1-32L	E1W 32L	M32	1"	15	24.20	26.30	26.50	33.50
AT-E1-40S	E1W 40S	M40	1-¼"	15	26.00	29.00	30.40	36.00
AT-E1-40L	E1W 40L	M40	1-¼"	15	29.50	32.10	33.20	40.00
AT-E1-50S	E1W 50S	M50	1-½"	15	33.00	38.10	40.00	46.50
AT-E1-50L	E1W 50L	M50	2"	15	38.00	44.00	44.00	52.60
AT-E1-63S	E1W 63S	M63	2"	20	44.00	50.50	50.00	59.00
AT-E1-63L	E1W 63L	M63	2-½"	20	50.00	56.00	56.00	66.00
AT-E1-75S	E1W 75S	M75	2-½"	20	56.00	62.00	63.50	71.00
AT-E1-75L	E1W 75L	M75	3"	20	62.00	68.50	69.00	78.00
AT-E1-90	E1W 90	M90	3"	20	65.00	80.00	84.00	96.00
AT-E1-100	E1W 100	M100	3-½"	20	82.00	90.00	84.00	102.00

Also available in Kit packing and as per the specification.

All dimensions are in millimeter

ATCAB®

IP68 PG Cable Glands



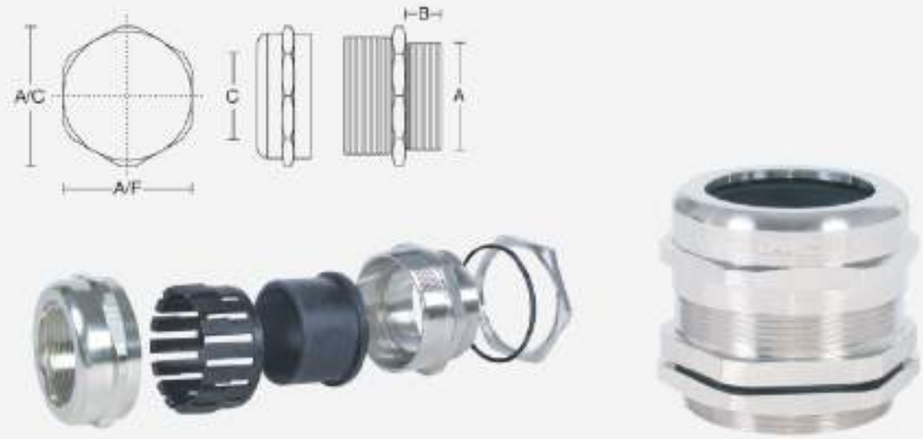
TECHNICAL DETAILS

Size : PG 7 to PG 48
Standard : BS EN50262: 1999
Ingress Protection : IP68
Operating Temp. : -20°C to +120°C
Material : Brass BS 2874 CZ121 Pb3
Threads : PG
Finish : Natural Brass Finish, Nickel Finish
Accessories : Lock Nuts & 'O' Ring

CODE NO.	THREAD SIZE (A)	ENTRY THREAD LENGTH (B)	C	A / F	A / C	CABLE CLAMPING RANGE Ø (MIN - MAX) MM	TIGHTENING TORQUE IN Nm	INSTALLATION TORQUE IN Nm	IMPACT TEST CATEGORY
AT-CEP-7	PG 7	6.00	7.00	14.00	15.50	3 - 6.5	0.10	6.25	3
AT-CEP-7-1	PG 7	6.00	7.00	14.00	15.50	2 - 5	0.10	6.25	3
AT-CEP-9	PG 9	7.00	8.50	17.00	19.00	4 - 8	0.10	6.25	3
AT-CEP-9-1	PG 9	7.00	8.50	17.00	19.00	2 - 6	0.10	6.25	3
AT-CEP-11	PG 11	7.00	10.50	20.00	22.00	5 - 10	0.15	6.25	3
AT-CEP-11-1	PG 11	7.00	10.50	20.00	22.00	3 - 7	0.10	6.25	3
AT-CEP-13	PG 13.5	7.00	12.50	22.00	24.50	6 - 12	0.35	6.25	3
AT-CEP-13-1	PG 13.5	7.00	12.50	22.00	24.50	5 - 9	0.15	6.25	3
AT-CEP-16	PG 16	6.50	14.50	24.00	26.50	10 - 14	0.35	7.50	3
AT-CEP-16-1	PG 16	6.50	14.50	24.00	26.50	7 - 12	0.35	7.50	3
AT-CEP-21	PG 21	8.00	18.50	31.00	34.00	13 - 18	0.60	10.00	4
AT-CEP-21-1	PG 21	8.00	18.50	31.00	34.00	9 - 16	0.35	10.00	4
AT-CEP-29	PG 29	9.00	25.50	40.00	44.50	18 - 25	0.80	10.00	4
AT-CEP-29-1	PG 29	9.00	25.50	40.00	44.50	13 - 20	0.60	10.00	4
AT-CEP-36	PG 36	10.00	33.00	50.00	55.00	25 - 32	0.90	10.00	5
AT-CEP-36-1	PG 36	10.00	33.00	50.00	55.00	20 - 26	0.80	10.00	5
AT-CEP-42	PG 42	11.00	39.00	55.00	60.00	32 - 38	0.90	10.00	5
AT-CEP-42-1	PG 42	11.00	39.00	55.00	60.00	25 - 31	0.80	10.00	5
AT-CEP-48	PG 48	13.00	46.00	65.00	70.50	37 - 44	1.00	10.00	5
AT-CEP-48-1	PG 48	13.00	46.00	65.00	70.50	29 - 35	0.90	10.00	5

All dimensions are in millimeter

IP68 Metric Cable Glands



TECHNICAL DETAILS

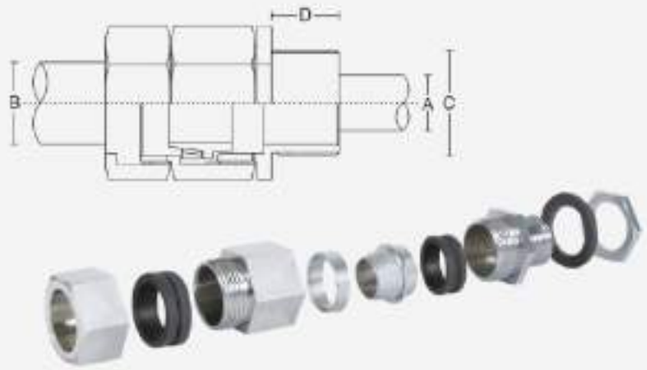
Size : M 12 to M 63
Standard : BS EN50262: 1999
Ingress Protection : IP68
Operating Temp. : -20°C to +120°C
Material : Brass BS 2874 CZ121 Pb3
Threads : Metric
Finish : Natural Brass Finish, Nickel Finish
Accessories : Lock Nuts & 'O' Ring

CODE NO.	THREAD SIZE (A)	ENTRY THREAD LENGTH (B)	C	A / F	A / C	CABLE CLAMPING RANGE Ø (MIN - MAX) MM	TIGHTENING TORQUE IN Nm	INSTALLATION TORQUE IN Nm	IMPACT TEST CATEGORY
AT-CEM12	M 12	5.00	7.00	14.00	15.50	3 - 6.5	0.10	8	3
AT-CEM12-1	M 12	5.00	7.00	14.00	15.50	2 - 5	0.10	8	3
AT-CEM16	M 16	8.00	9.50	18.00	19.50	4 - 8	0.10	10	3
AT-CEM16-1	M 16	8.00	9.50	18.00	19.50	2 - 6	0.10	10	3
AT-CEM20	M 20	7.00	12.50	22.00	24.50	6 - 12	0.35	12	3
AT-CEM20-1	M 20	7.00	12.50	22.00	24.50	5 - 9	0.15	12	3
AT-CEM25	M 25	8.00	18.50	31.00	34.00	13 - 18	0.60	12	4
AT-CEM25-1	M 25	8.00	18.50	31.00	34.00	9 - 16	0.35	12	4
AT-CEM32	M 32	9.50	25.50	40.00	44.50	18 - 25	0.80	18	4
AT-CEM32-1	M 32	9.50	25.50	40.00	44.50	13 - 20	0.60	18	4
AT-CEM40	M 40	10.00	33.00	50.00	55.00	25 - 32	0.90	18	5
AT-CEM40-1	M 40	10.00	33.00	50.00	55.00	20 - 26	0.80	18	5
AT-CEM50	M 50	13.00	39.00	55.00	60.00	32 - 38	0.90	20	5
AT-CEM50-1	M 50	13.00	39.00	55.00	60.00	25 - 31	0.80	20	5
AT-CEM63	M 63	10.50	46.00	65.00	70.50	37 - 44	1.00	20	5
AT-CEM63-1	M 63	10.50	46.00	65.00	70.50	29 - 35	0.90	20	5

All dimensions are in millimeter

Double Compression Weather & Flame Proof Glands

IP65 | RoHS Compliant | CMRI APPROVAL



TECHNICAL DETAILS

Size	: 01 SS to 016
Standard	: IS 12063 - 1987, IEC 60529:2001, IS/IEC 60079-0:2004, IS/IEC 60079-1:2007
IP Rating	: IP65
Weather Proof Function	: For use Outdoor/Indoor for Armoured & Unarmoured Cable
Flame Proof Function	: Generally used in Flammable Gas/ Vapour area
Material	: Brass BS 2874 CZ121 Pb3, Stainless Steel, Mild Steel
Threads	: BSC standard (NPT/ET/BSP / PG/ Metric also available)
Finish	: Natural Brass Finish, Nickel Finish
Operating Temp.	: Standard seals -20°C to +80° C
Type of Ex Protection	: Flame Proof Ex-'d'
Gas Zone	: Gas Group Zone IIIA IIB IIC
Accessories	: Lock Nut, Earth Tag, IP Nylon Washer, Serrated Washer, PVC/ LSF Shroud

GLAND SIZE	THREAD SIZE 'C' (INCH)	WEATHER PROOF LENGTH OF THREAD 'D'	FLAME PROOF LENGTH OF THREAD 'D'	CABLE RANGE	
				MAX 'A'	MAX 'B'
01 SS	3/4"	15	25	8.00	12.00
01 S	3/4"	15	25	10.00	16.50
01	3/4"	15	25	12.00	18.00
01 A	1"	15	25	12.00	18.00
02	1"	15	25	14.00	20.00
02 A	3/4"	15	25	14.00	20.00
03	1"	15	25	17.00	23.00
04	1"	15	25	20.00	26.00
04 A	1¼"	15	25	20.00	26.00
05	1¾"	15	25	24.00	30.00
05 A	1½"	15	25	24.00	30.00
06	1½"	15	25	27.00	33.00
06 A	1¼"	15	25	27.00	33.00
07	1½"	15	25	30.00	37.00
08	2"	15	25	35.00	41.00
09	2"	15	25	40.00	46.00
010	2"	20	25	46.00	52.00
010 A	2½"	20	25	46.00	52.00
011	2½"	20	25	54.00	60.00
012	3"	20	25	60.00	67.00
013 A	3"	20	25	66.00	72.00
013	3¼"	20	25	72.00	78.00
014	3½"	20	25	78.00	84.00
015	4"	20	25	88.00	94.00
016	4½"	20	25	98.00	105.00

All dimensions are in millimeter

ATCAB®

Application

Power Plants

Installations manufactured specially for Power Plants.

Marine Applications

Products designed for shipping industry, off-shore mining and drilling settings, etc.

Railway Industry

Cable glands designed specially for the railway industry and associated installations.

Industrial Glands

Used in hazardous environmental conditions.

Power and Utility Glands

Designed for power transmission, distribution ad high-voltage electrical cables.

Oil and Gas Industry

Safety products for underwater oil and gas exploration.