

EUNL Elbow Unions

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups B,C,D,E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2



Technical data

Type of Protection: Ex d IIA T6
 Conforming to : Standards IEC 60079-1 or UL 60079-1
 Marking for test : Ex II2G
 Degree of Protection : IP54 / 66 acc.To IEC 60529
 Ambient Temp. (Ta) : -20°C to +75 °C
 Type : UN
 Protection class for UL. : Class I, Division 1 or 2 Group B,C,D
 Class II, Division 1 or 2 Groups E,F,G
 Class III
 Protection class for IEC : Zone 1 and Zone 2
 Conduit hub - 1/2" - 2" NPT.



ISO9001:2008



Applications:

The EUNL Elbow unions are used in a conduit system in hazardous areas to connect conduit to conduit fitting. provide future modification of the conduit system. use with threaded rigid steel conduit (RSC) or threaded in intermediate metal conduit (IMC).

EUNL 1 - EUNL 6

Features:

- Hand tightening of the union sleeve provides easy installation.
- Strong and durable construction.
- Female and Male for conduit RSC or IMC

Standard Materials:

- Copper free aluminium

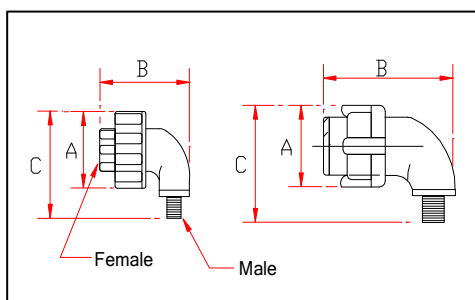
Note:

- ☆ Also suitable to use in Class I, Div. 1 and 2, Group B for EUNL1, EUNL2, EUNL3

Standard Finishes:

- Copper free aluminium - Epoxy-polyester powder

Catalogue Numbers and Dimensions:



Conduit Size, NPT (inch)	Cat., No.	Dimension in mm.		
		A	B	C
1/2"	EUNL 1 ☆	48	79	72
3/4"	EUNL 2 ☆	52	79	78
1"	EUNL 3 ☆	62	83	93
1.1/4"	EUNL 4	72	88	108
1.1/2"	EUNL 5	83	95	125
2"	EUNL 6	105	150	156

ALL Cable Glands For Non-Aromored cable



EXPLOSIONPROOF



For UL.60079-1 Standard Class I Div.1, 2 Groups C,D

ClassII Div.1 and 2 Groups E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2

Technical data

Type of Protection: Ex d IIA T6

Conforming to : Standards IEC 60079-1 or UL 60079-1

Marking for test : Ex II2G

Degree of Protection : IP65 acc.To IEC 60529

Ambient Temp. (Ta) : -20°C to+ 75°C

Type :ALL



Protection class for UL. : Class I, Division 1,2 Groups C,D

Class II, Division 1, 2 Groups E,F,G

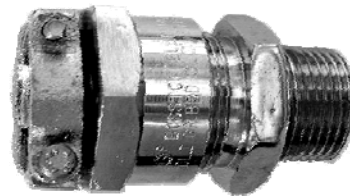
Class III

Protection class for IEC : Zone1and Zone 2

Conduit hub - 1/2" - 3.1/2" NPT. / Cable O.D. - 9 to 80 mm.



ISO9001:2008



ALL

Applications:

ALL cable fitting for use with non-amored cable type MV (unarmored), TC in hazardous location or SE (round), UF ,CVV ,VCT and NYY in non-hazardous locations to provide cord or cable connection by mens of passing into cabinets, junction boxes, panelboards etc. provide oil and water resistant.

Features:

- Complete range of sizes for round cord or cable.
- Bronze construction is finished with chromium plate for corrosion resistant.
- Cable clamp provides a non-slip termination.
- Neoprene bushing provides oil and water resistant seal.
- Slip ring prevents the bushing twisted during assembly.
- May be installed in either horizontal or vertical position.

Standard Finishes:

- Brass
- Chromium plated
- Stainless
- Natural

Standard Materials:

- Body, gland nut with cable clamp - Brass
- Slip ring - Stainless steel
- Bushing - Neoprene
- Bolt - Stainless steel



Gland nut
with Cable clamp



Slip ring



Neoprene
bushing



Body
(NPT , Male thread)

★ May be used in hazardous locations only with specific cords or cabes and installed in accordance with NEC requirements

ALL Cable Glands For Non-Aromored cable

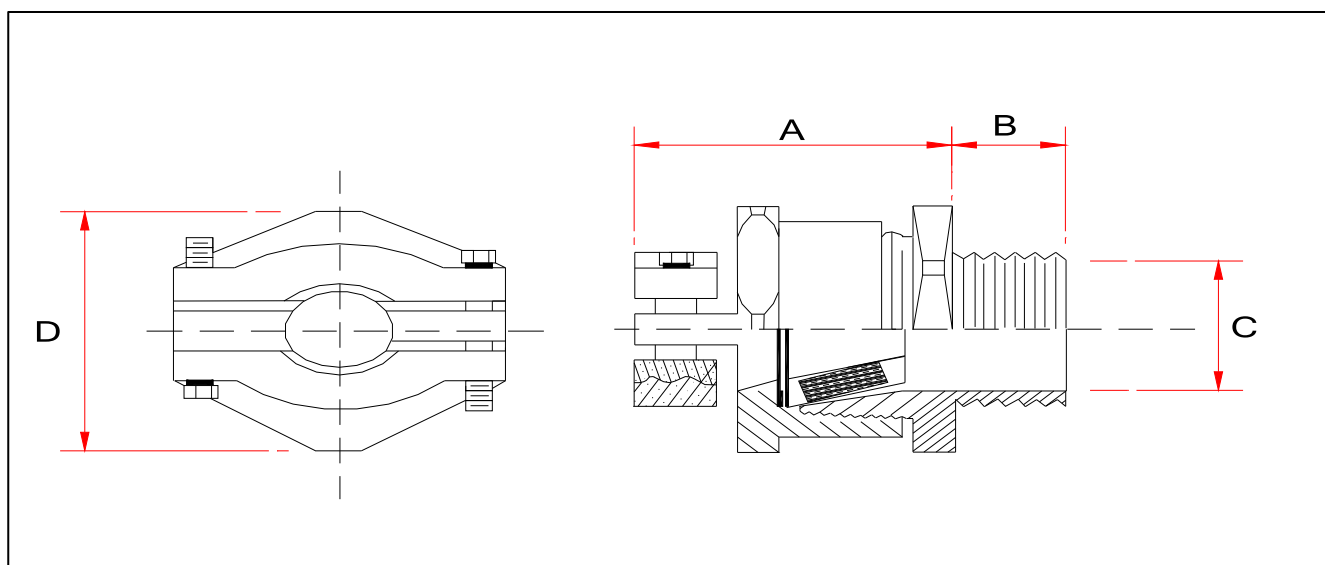
EXPLOSIONPROOF

For UL.60079-1 Standard Class I Div. 1,2 Groups C,D

ClassII Div.1 and 2 Groups E,F and G

Catalogue Numbers and Dimensions: in mm.

For IEC.60079-0/1 Standard Zone 1 and Zone 2



Cable Jacket Outer Diameter (mm.)	Male Thread NPT Size (inch)	Cat.,No.	Dimensions in mm.			
			A	B	C	D
9 - 14	1/2"	ALL 114	45	16	14	37
15 - 19	3/4"	ALL 219	49	21	19	35
20 - 22	1"	ALL 322	58	20	26	35
23 - 24	1"	ALL 324	58	20	26	35
25 - 27	1.1/4"	ALL 427	66	19	34	61
28 - 30	1.1/4"	ALL 430	66	19	34	61
31 - 36	1.1/2"	ALL 536	70	19	39	69
37 - 40	1.1/2"	ALL 540	70	19	39	69
41 - 48	2"	ALL 648	76	19	49	80
49 - 54	2.1/2"	ALL 754	77	30	59	89
55 - 58	2.1/2"	ALL 758	77	30	59	89
59 - 64	3"	ALL 864	77	30	71	105
65 - 70	3"	ALL 870	77	30	71	105
71 - 76	3.1/2"	ALL 976	80	30	81	117
77 - 80	3.1/2"	ALL 980	80	30	81	117

ALG Cable Glands For Armored cable


Bosston

A QUALITY PRODUCT

EXPLOSIONPROOF



For UL.60079-1 Standard Class I Div. 1,2 Groups C,D

Class II Div.1 and 2 Groups E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2



ISO9001:2008

Technical data

Type of Protection: Ex d IIA T6

Conforming to : Standards IEC 60079-1 or UL 60079-1

Marking for test : Ex II2G

Degree of Protection : IP66 acc.To IEC 60529

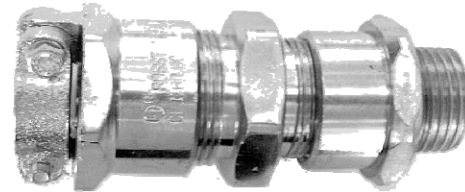
Ambient Temp. (Ta) : -20°C to+ 75°C

Type :ALG

Protection class for UL. : Class I, Division 1,2 Groups C,D
Class II, Division 1, 2 Groups E,F,G
Class III

Protection class for IEC : Zone1 and Zone 2

Conduit hub - 1/2" - 3.1/2" NPT. / Cable O.D. - 9 to 80 mm.


ALG

Applications:

ALG cable fitting for use with armored, metal clad, jacketed cable type MC, MV and AC which are installed in hazardous or non-hazardous locations to secure and seal cable entrance into enclosures, junction boxes panelboards etc. provide grounding continuity for cable. provide oil and water resistant.

Features:

- Easily assembled, may be installed in either horizontal or vertical position.
- Bronze construction is finished with chromium plate for corrosion resistant.
- Cable clamp provides a non-slip termination.
- Armor grip provides positive grounding continuity and superior pull-out resistant.
- Neoprene bushing provides oil and water resistant seal.
- Slip ring prevents the bushing twisted during assembly.

Standard Materials:

Body, gland nut with cable clamp	-	Bronze
Slip ring	-	Stainless steel
Bushing	-	Neoprene
Bolt	-	Stainless steel
Armor grip	-	Split lead

Standard Finishes:

Bronze	-	Chromium plated
Stainless	-	Natural



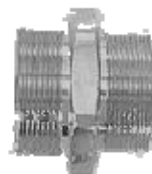
Gland nut
with Cable clamp



Slip ring



Neoprene
bushing



Intermediate
body



Armor
grip



Body
(NPT, Male thread)

★ May be used in hazardous locations only with specific cords or cables and installed in accordance with NEC requirements

ALG Cable Glands For Aromored cable

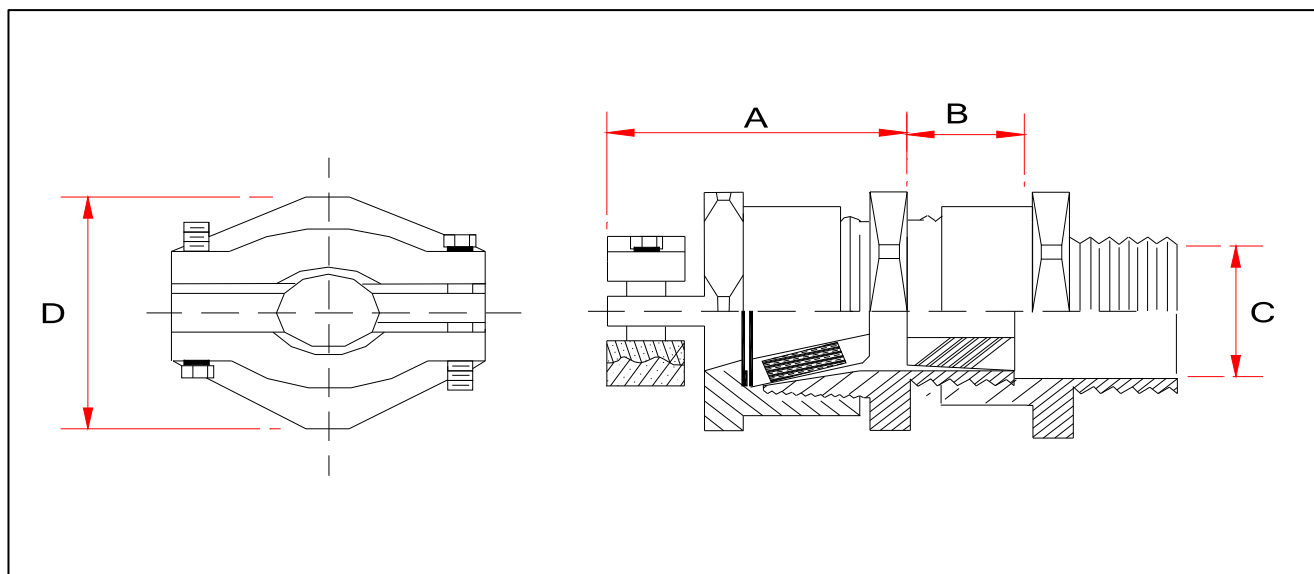
EXPLOSIONPROOF



For UL.60079-1 Standard Class I Div. 1,2 Groups C,D

ClassII Div.1 and 2 Groups E,F and G

Catalogue Numbers and Dimensions: in mm. For IEC.60079-0/1 Standard Zone 1 and Zone 2



Cable Jacket	Armor	Cat.,No.	Male Thread	Dimensions in mm.			
Outer Diameter	Outer Diameter		NPT Size	A	B	C	D
(mm.)	(mm.)		(inch)				
9 - 14	5.5 - 10.5	ALG 114	1/2"	45	16	14	37
15 - 19	11.5 - 15.5	ALG 219	3/4"	49	21	19	35
20 - 22	16.4 - 18.4	ALG 322	1"	58	20	26	35
23 - 24	19.4 - 20.4	ALG 324	1"	58	20	26	35
25 - 27	21.4 - 23.4	ALG 427	1.1/4"	66	19	34	61
28 - 30	24.3 - 26.1	ALG 430	1.1/4"	66	19	34	61
31 - 36	27.0 - 31.8	ALG 536	1.1/2"	70	19	39	69
37 - 40	32.7 - 35.4	ALG 540	1.1/2"	70	19	39	69
41 - 48	36.4 - 43.0	ALG 648	2"	76	19	49	80
49 - 54	44.0 - 48.6	ALG 754	2.1/2"	77	30	59	89
55 - 58	49.5 - 52.2	ALG 758	2.1/2"	77	30	59	89
59 - 64	53.0 - 58.0	ALG 864	3"	77	30	71	105
65 - 70	59.0 - 63.5	ALG 870	3"	77	30	71	105
71 - 76	64.4 - 68.2	ALG 976	3.1/2"	80	30	81	117
77 - 80	69.8 - 72.6	ALG 980	3.1/2"	80	30	81	117



ALL3 Cable Glands For Non-Aromored cable



TECHNICAL DATA

Type of protection	: Ex d IIC T6 (for Zone1&2)
Conforming to	: IEC60079-1
Marking	: Ex II2G Exd IIC T6
Ambient temp.(Ta)	: - 20°C to + 70°C
Degree of protection	: IP66 acc.to IEC60529



ISO9001:2008

APPLICATIONS:

- For use with non-armored cable type MV(unarmored),TC in hazardous location or SE (round),UF,CVV,VCT and NYY in non-hazardous locations to
- Provide cord or cable connection by means of passing in to cabinets junction boxes, panelboards etc
- Provide oil and water resistant.

STANDARD MATERIALS:

- Body, gland nut : Bronze
- Slip ring : Stainless steel
- Bushing : Neoprene
- Bolt : Stainless steel

FEATURES:

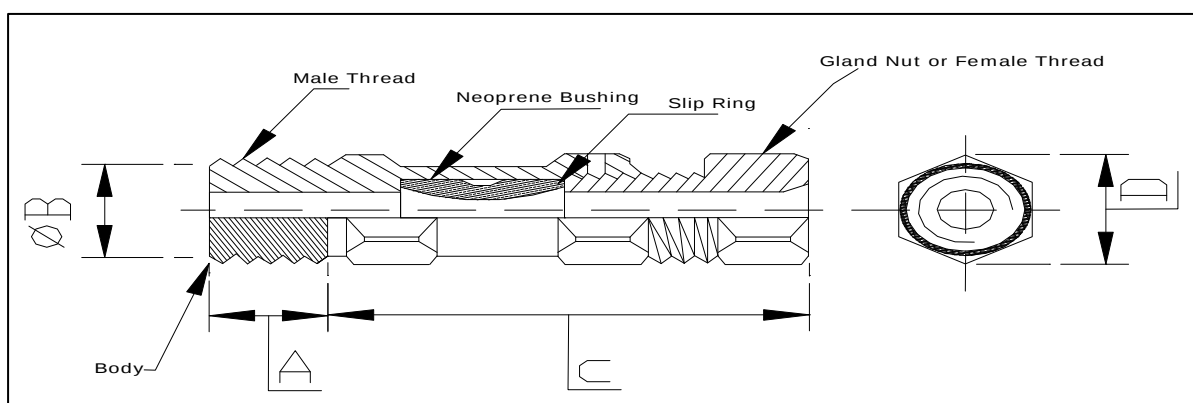
- Complete range of sizes for round cord or cable.
- Bronze construction is finished with chromium plate for corrosin resistant.
- Cable clamp provides a non-slip termination.
- Neoprene bushing provides oil and water resistant seal.
- May be installed in either horizontal or vertical position.

STANDARD FINISHES:

- Bronze
- Chromium plated
- Stainless steel
- Natural



CATALOGUE NUMBER



Cable Jacket Outer Diameter (mm.)	Entries Thread		Male Thread Cat.,No.	Male and Female Thread Cat.,No.	Dimensions in mm.			
	NPT	Metric			A	B	C	D
9 - 14	1/2"	M20x 1.5	ALL3-114M	ALL3-114MF	14.5	15	68	25
15 - 19	3/4"	M25x 1.5	ALL3-219M	ALL3-219MF	14.5	20	68	32.5
20 - 24	1"	M32x 1.5	ALL3-324M	ALL3-324MF	16.5	25	82	39.5
25 - 30	1.1/4"	M40x 1.5	ALL3-430M	ALL3-430MF	16.5	32	82	50
31 - 40	1.1/2"	M50x 1.5	ALL3-540M	ALL3-540MF	16.5	42	82	58
41 - 48	2"	M63x 1.5	ALL3-648M	ALL3-648MF	16.5	50	82	73
49 - 58	2.1/2"	-	ALL3-658M	ALL3-658MF	30	59	92	80
59 - 70	3"	-	ALL3-770M	ALL3-770MF	30	71	92	95
71 - 80	3.1/2"	-	ALL3-880M	ALL3-880MF	30	81	92	105

ALF2 Cable Glands For Non-Armored cable



● FLAMEPROOF

Ex d IIC Zone 1 and 2 (acc. To IEC60079-1)

★ NEC. Class I, Div. 2 Groups B,C,D

Class II, Div. 1 and 2 Groups E,F,G

Class III,



ISO9001:2008

● Protection Index:

IP 66 (acc. To IEC60529)

● Applications:

ALF 2 cable glands for use with round non-armored cable from flexible coupling to enclosure.

They are suitable to be installed in potentially explosive atmospheres.



ALF 2

● Features:

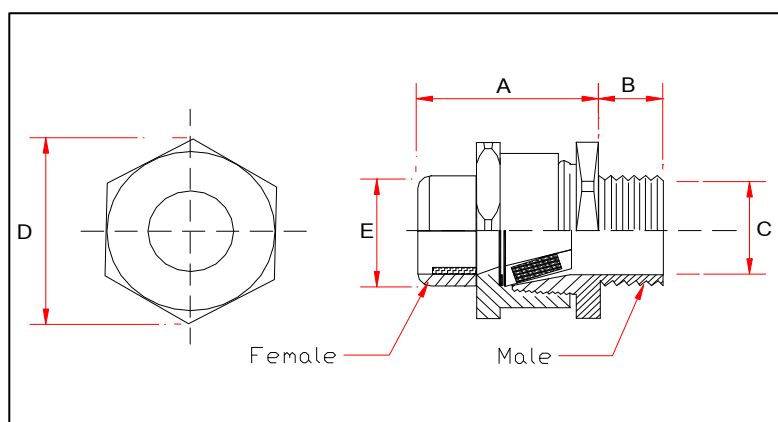
- Bronze construction, finished with chromium plate.
- Male thread on one end and female thread on another end for flexible coupling or conduit.
- Neoprene bushing provides oil and water resistant seal.
- Slip ring prevents the bushing twisted during assembly.

● Standard Materials:

- Body, gland nut - Bronze
- Bushing, O-ring - Neoprene
- Slip ring - Stainless steel

● Standard Finishes:

- Bronze - Chromium plated
- Stainless steel - Natural



Cable Jacket Outer Diameter (mm.)	Cat.,No.	Male Thread NPT Size (inch)	Dimensions in mm.				
			A	B	C	D	E
9 - 14.5	ALF2 - 114	1/2"	51	16	14	37	14
9 - 14.5	ALF 2 - 214	3/4"	51	21	19	35	19
14.6 - 19.5	ALF2 - 319	1"	55	20	26	35	26
19.6 - 24.5	ALF2 - 424	1.1/4"	61	19	34	61	34
24.6 - 30.5	ALF2 - 530	1.1/2"	69	19	34	61	34
30.6 - 40.5	ALF2 - 640	2"	76	19	49	80	49
40.6 - 48.5	ALF2 - 748	2.1/2"	85	19	39	69	39
48.6 - 58.5	ALF2 - 858	3"	90	19	49	80	49

★ May be used in hazardous locations only with specific cords or cables and installed in accordance with NEC requirements.

F

JBB Junction Boxes



EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2



ISO9001:2008

Technical data

Type of Protection: Ex d IIA ,IIB T6

Conforming to : Standards IEC 60079-1 or UL 60079-1

Marking for test : Ex II2G

Degree of Protection : IP65 without seal O-ring

IP 66 with seal O-ring

acc.to IEC 60592

Ambient Temp. (Ta) : -20°C to + 55 °C

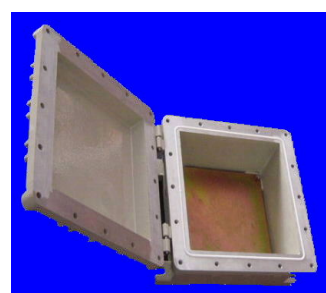
Type : JBB

Protection class for UL. : Class I, Division1 or 2 Group.C,D

Class II, Division 1 or 2 Groups.E,F,G

Class III

Protection class for IEC : Zone1and Zone 2



Applications:

The JBB junction boxes are designed for use in hazardous areas where flammable gases, dusts or flying fibers are present.

to provide openings for taps, splices or pull box.

to enclose terminals, meters, relays or other electrical devices.

in indoor or outdoor *1 in damp or wet locations or certain corrosive environments.

Suffix added
to Cat., No.

Features:

- High tensile strength copper free aluminium bodies with corrosion resistant.
- Rectangular shape, bolted cover,
- Designed to maximize the internal volume.
- Conduit openings drilled as per customer requirements.
- Provided with mounting lugs.
- Rated voltage max. 800V.AC. (as per equipment specification)

Standard Materials:

- | | |
|--------------------|-------------------------|
| - Body and cover | - Copper-free aluminium |
| - Bolts | - Stainless steel |
| - Hinge # | - Aluminium or Bronze |
| - Handle # | - Stainless steel |
| - Mounting plate # | - Steel |
| - Gasket # | - Neoprene |

Options :

- | | |
|---|---|
| Hinges and handle | H |
| Mounting plate | M |
| O-Ring gasket : Silicone -40°C to + 175 °C | G |
| Drain fitting | D |
| Terminal blocks | T |
| (information is requested) | |
| M8 Earth stud bolts with terminal lug for external ground | |
| Stopping plug for entries thread | |
| Glass windows | |

Standard Finishes:

- | | |
|-------------------------|--------------------------|
| - Copper-free aluminium | - Epoxy-polyester powder |
| - Stainless steel | - Natural |
| - Bronze | - Epoxy-polyester powder |
| - Steel | - Zinc electro-plated |

* 1 O-Ring for raintight fit is optional.



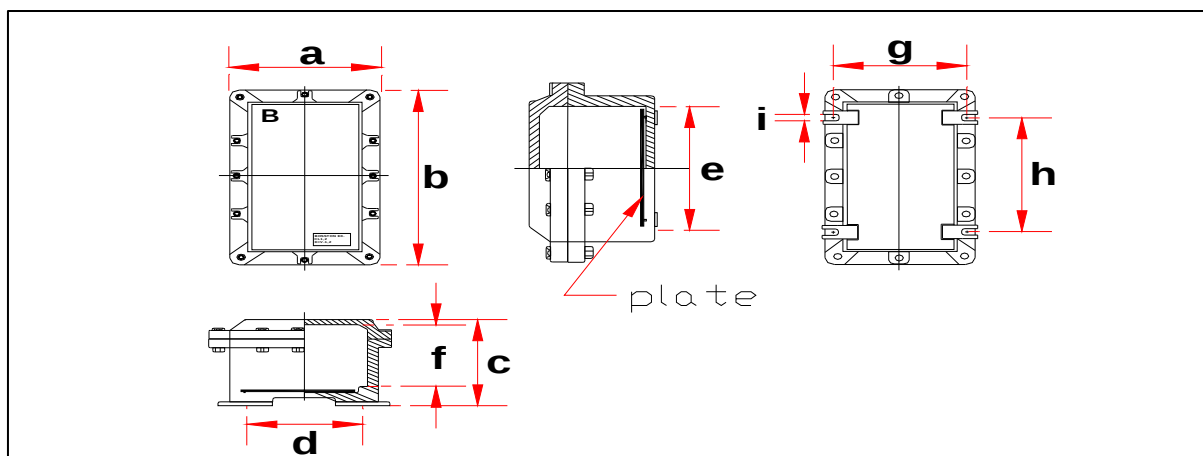
JBB Junction Boxes

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-0/1 Standard Zone 1 and Zone 2

Catalogue Number and Dimensions:



Cat.,No.	Outside box Dimensions (mm.)			Inside box Dimensions (mm.)			Mounting Lugs Dimensions (mm.)			Maximum Conduit Size, NPT (inch)
	a	b	c	d	e	f	g	h	i	
JBB 333	89	89	85	73	73	76	-	-	-	3/4"
JBB 354	87	133	109	80	122	82	65	155	7.5	3/4"
JBB 4105	106	252	126	87	234	97	70	275	7.5	1
JBB 4125	106	320	125	90	305	119	70	343	7.5	1
JBB 584	141	196	103	93	137	89	140	130	13	1
JBB 685	157	209	143	93	143	122	145	140	16	1.1/4
JBB 6103	157	254	85	93	187	65	145	190	16	1.1/4
JBB 6145	157	360	132	85	287	101	160	270	16	1
JBB 886	211	211	165	140	140	141	200	130	16	1.1/4
JBB 8106	222	254	145	137	187	122	200	170	16	1.1/4
JBB 8126	205	313	145	144	242	115	230	215	16	1.1/4
JBB 9146	228	363	148	150	275	145	230	250	16	1.1/4
JBB 9167	245	410	180	167	319	148	250	300	16	2.1/2
JBB 9187	230	457	190	140	366	164	220	315	16	2.1/2
JBB 10207	254	508	222	159	412	184	250	375	16	2.1/2
JBB 12126	314	314	168	234	234	147	225	230	16	1.1/4
JBB 13219	332	535	245	249	449	207	330	395	16	3
JBB 151510	381	381	265	288	288	224	235	380	16	4
JBB 16209	405	507	230	319	419	187	410	395	16	3
JBB 162610	405	660	258	305	558	219	400	510	16	4
JBB 162910	405	725	260	305	625	219	420	575	16	4
JBB 18189	457	457	222	353	353	180	275	445	16	4
JBB 20209	556	556	230	420	420	190	360	490	16	3
JBB 20249	500	664	220	409	509	179	485	475	16	3
JBB 202414	500	664	360	409	509	320	485	475	16	4
JBB 203210	508	810	260	405	720	201	510	605	16	4
JBB 203611	519	924	302	420	820	252	530	775	16	4
JBB 252511	645	645	280	550	550	252	505	630	16	4
JBB 284411	700	1100	285	610	1010	252	700	400	16	4

JBE Junction Boxes

EXPLOSIONPROOF

For UL.60079-1 Standard Class I Div. 2 Groups B,C,D

Class II Div. 1 and 2 Groups E,F,G

For IEC.60079-1 / 15 Standard Zone 1 and Zone 2

Technical data

Type of Protection: Ex d IIA T6

Conforming to : Standards IEC 60079-1/ 15 or UL 60079-1/15

Marking for test : Ex II2G

Degree of Protection : IP54 without seal O-ring

IP 66 with seal O-ring

acc.to IEC 60592

Ambient Temp. (Ta) : -20°C to + 55°C

Type : JBE

Protection class for UL. : Class I, Division 2 Group.B,C,D

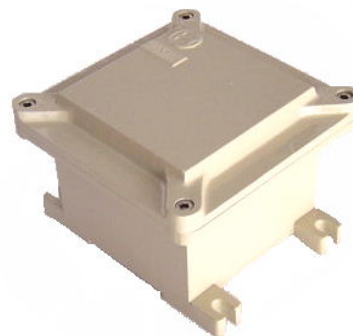
Class II, Division 1 or 2 Groups.E,F,G

Class III

Protection class for IEC : Zone1and Zone 2



ISO9001:2008



Applications:

JBE boxes are constructed according to the increased safety explosionproof type. These boxes mainly serve as the junction boxes for cable connection, or pull and splice boxes. The enclosure may also serve to house electrical component such as switches, circuit breakers, contactors, control units, relays, terminal blocks, measuring and indicating devices.

Features:

- Copper-free aluminium construction and coated with epoxy-polyester powder for corrosion resistant.
- Stainless steel bolts.
- Optional silicone gasket for excellence waterproof.
- Optional steel plate provided for equipment mounting.
- Optional provided with terminal blocks for 1.5 Sqmm. To 40 Sqmm. Or copper bus bar for junction box.
- Openings provide for direct cable or conduit entries in NPT or ISO threads with optional stopping plugs for unused thread.
- Optional provided with M8 earth stud bolt.
- Optional provided with glass windows.

Standard Materials:

- Body and cover - Copper-free aluminium alloy with epoxy-polyester powder
- Seal gasket - Silicone -40°C to + 175°C
- Lid screws - Stainless steel

Explosion Category:

- UL. IIA T6 for Zone 2 (UL.60079-15)
- IEC IIA T6 for DUST Zone 1 (IEC 60097-1)
- IEC IIA T6 for Zone 2 (IEC 60079-15)

Option

- M8 Earth stud bolts with terminal lug for external ground
- Stopping plug for entries thread
- Glass windows

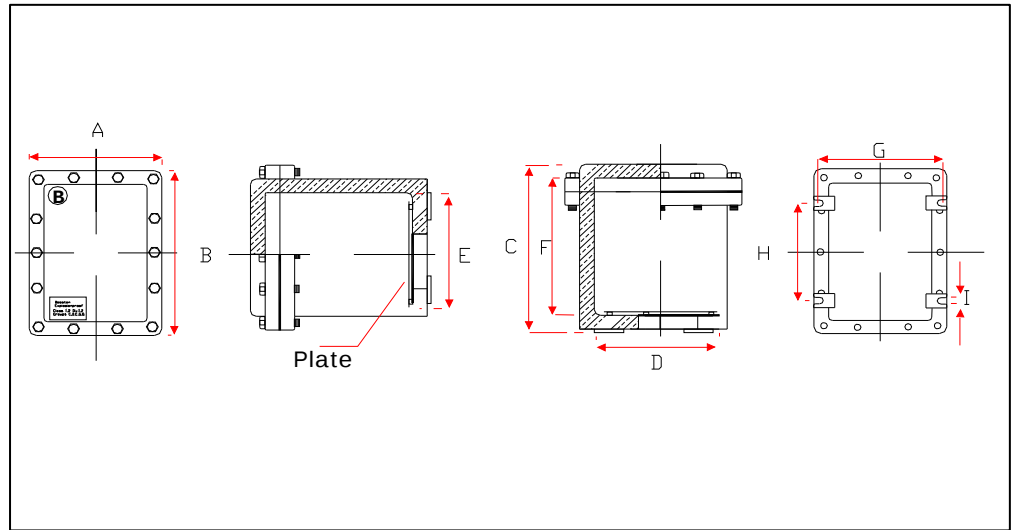
EXPLOSIONPROOF

For UL.60079-1 Standard Class I Div. 2 Groups B,C,D

Class II Div. 1 and 2 Groups E,F,G

For IEC.60079-1 / 15 Standard Zone 1 and Zone 2

Catalogue Numbers and Dimensions: in mm.



Cat.,No.	Outside box			Inside box			Mounting Lugs			Maximum	Conduit Size	Approx. Weight
	a	b	c	d	e	f	g	h	i	NPT (inch)	ISO	(kgs.)
JBE 885												
JBE 9116	242	292	163	165	215	107	218	135	10	2"	M63	11.80
JBE 9148	238	347	213	183	294	163	185	133	10	4"	M90	15.00
JBE 10158	256	377	195	174	295	179	225	179	10	4"	M90	15.60
JBE 10207	256	510	148	174	482	151	224	308	12	2"	M63	19.50
JBE 11158	298	402	222	217	321	167	275	197	12	4"	M90	19.80
JBE 12128	296	296	213	215	215	171	217	134	10	4"	M90	12.00
JBE 121819	308	459	224	220	376	199	274	239	12	4"	M90	26.00
JBE 12239	306	530	217	221	445	179	378	363	12	4"	M90	33.70
JBE 132610	337	662	243	250	575	201	307	407	12	4"	M90	41.20
JBE 15309	375	767	226	290	682	191	342	503	15	4"	M90	48.30
JBE 162011	410	512	280	323	425	237	375	274	12	4"	M90	41.80
JBE 162511	416	626	383	337	535	239	470	310	15	4"	M90	56.20
JBE 173111	442	778	269	350	686	226	427	479	15	4"	M90	61.10
JBE 173511	440	884	270	351	795	260	432	587	15	4"	M90	70.00
JBE 202011	520	520	281	426	426	221	515	275	15	4"	M90	54.20
JBE 222811	579	733	285	481	635	220	570	440	15	4"	M90	86.00
JBE 223511	560	872	270	456	768	224	530	592	15	4"	M90	83.50
JBE 224111	558	1052	270	455	949	224	533	765	15	4"	M90	102.50
JBE 232311	567	567	281	482	482	225	560	301	15	4"	M90	68.60
JBE 254511	632	1156	271	510	1034	221	588	667	15	4"	M90	127.00
JBE 273811	683	958	283	558	833	235	638	655	15	4"	M90	116.50
JBE 292911	742	742	290	638	638	231	716	438	15	4"	M90	105.60
JBE 293611	754	914	302	638	798	225	731	570	15	4"	M90	156.00
JBE 314314	776	1089	355	646	959	294	732	580	15	4"	M90	199.00

**ERD , ERDS Reducers
ETP Stopping plugs
EED Enlargers**



EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-1 Standard Zone 1 and Zone 2



ISO9001:2008

● **Applications:**

ERD and ERDS reducers are used in NPT conduit system to reduce the conduit hubs to a smaller size.
ETP stopping plugs are provided for closing threaded conduit hubs of the explosionproof enclosure.
EED enlargers are used in NPT conduit system to enlarge or adapt the conduit hubs in on step-up size.

● **Standard Materials:**

- ERD, ERDS - Aluminium or Bronze
- ETP - Copper-free aluminium
- EED - Aluminium or Bronze

● **Standard Finishes:**

- Aluminium - Natural
- Bronze - Natural or Chromium plated
- Copper-free aluminium - Epoxy-polyester powder coated.

● **Standard Size:**

- 1/2 to 4 inches NPT

● **Technical data (for IEC standard)**

Type of protection	:	Ex d IIA T6 (for Zone 1&2)
Conforming to	:	IEC60079-1
Marking	:	Ex d II2G Ex d IIA T6
Degree of protection	:	IP 54 (without gasket)
	:	IP 66 (with gasket)
		acc.to EN600529/IEC60529
Ambient temp.(ta)	:	- 20°C to +75°C

● **Options:**

Entry thread seal	:	Thermoplastic elastomer or Rubber(NBR)
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● **Compliances: (for UL standard)**

- UL standard 60079-1
- NEC Class I, Div. 1 and 2 , Groups C, D
- Class II, Div. 1 and 2 , Groups E,F,G
- Class III



ERD



ERDS



ETP



EED

Catalogue Number :

ERD , ERDS Reducers

ETP Stopping plugs

EED Enlargers

EXPLOSIONPROOF

For UL.60079-1 Standard Class I,II Div.1 and 2 Groups C,D,E,F and G

For IEC.60079-1 Standard Zone 1 and Zone 2

Reducers

NPT, Thread Size	Cat.,No.	
Male-Female (inch)	ERD Type	ERDS Type
3/4" - 1/2"	ERD 21 ☐	ERDS 21 ☐
1" - 1/2"	ERD 31 ☐	ERDS 31 ☐
1" - 3/4"	ERD 32 ☐	ERDS 32 ☐
1.1/4" - 1/2"	ERD 41 ☐	ERDS 41 ☐
1.1/4" - 3/4"	ERD 42 ☐	ERDS 42 ☐
1.1/4" - 1"	ERD 43 ☐	ERDS 43 ☐
1.1/2" - 3/4"	ERD 52 ☐	ERDS 52 ☐
1.1/2" - 1"	ERD 53 ☐	ERDS 53 ☐
1.1/2" - 1.1/4"	ERD 54 ☐	ERDS 54 ☐
2" - 1"	ERD 63 ☐	ERDS 63 ☐
2" - 1.1/4"	ERD 64 ☐	ERDS 64 ☐
2" - 1.1/2"	ERD 65 ☐	ERDS 65 ☐
2.1/2" - 1.1/4"	ERD 74 ☐	ERDS 74 ☐
2.1/2" - 1.1/2"	ERD 75 ☐	ERDS 75 ☐
2.1/2" - 2"	ERD 76 ☐	ERDS 76 ☐
3" - 1.1/2"	ERD 85 ☐	ERDS 85 ☐
3" - 2"	ERD 86 ☐	ERDS 86 ☐
3" - 2.1/2"	ERD 87 ☐	ERDS 87 ☐
3.1/2" - 2"	ERD 96 ☐	ERDS 96 ☐
3.1/2" - 2.1/2"	ERD 97 ☐	ERDS 97 ☐
3.1/2" - 3"	ERD 98 ☐	ERDS 98 ☐
4" - 2.1/2"	ERD 107 ☐	ERDS 107 ☐
4" - 3"	ERD 108 ☐	ERDS 108 ☐
4" - 3.1/2"	ERD 109 ☐	ERDS 109 ☐

Enlargers

NPT, Thread Size	Cat.,No.
Male-Female (inch)	
1/2" - 3/4"	EED 12 ☐
3/4" - 1"	EED 23 ☐
1" - 1.1/4"	EED 34 ☐
1.1/4" - 1.1/2"	EED 45 ☐
1.1/2" - 2"	EED 56 ☐
2" - 2.1/2"	EED 67 ☐
2.1/2" - 3"	EED 78 ☐
3" - 3.1/2"	EED 89 ☐
3.1/2" - 4"	EED 910 ☐

Stopping plugs

NPT, Thread Size	Cat.,No.
(inch)	
1/2"	ETP 1
3/4"	ETP 2
1"	ETP 3
1.1/4"	ETP 4
1.1/2"	ETP 5
2"	ETP 6
2.1/2"	ETP 7
3"	ETP 8
3.1/2"	ETP 9
4"	ETP 10

Options:

☐ Specify material to Cat.,No.

A - Aluminium

B - Bronze