

COMPREHENSIVE SAFETY WITH ATEX BY CONTROLWELL

The use of ATEX cable glands is one of several technical measures to make ignition sources ineffective. The explosion rating plate of a piece of equipment includes the ignition protection type. Versions for increased safety, inherent safety and pressure-resistant enclosure are of particular significance in this context:

- "Ex d" protection - pressure-resistant enclosure
- "Ex i" protection - inherent safety
- "Ex e" protection - increased safety

Controlwell's ATEX explosion-proof products are made of high-quality materials. These items are made of high-quality plastics, nickel-plated brass, and stainless steel, ensuring optimal safety.

The current international regulations for machine manufacturers (94/9/EC) and operators (99/92/EC) prescribe high safety levels. Therefore, in addition to the traditional field of electrical engineering, legally compliant explosion protection also considers all relevant mechanical components - in order to avoid all ignition sources, including sparks, which can result from electrostatic charges, or hot spots. The ATEX – IECEx Directive besides taking into account the electrical sources of explosion, also considers potentially explosive concentration of gas, vapour or mist along with dust in the air.

Explosion protection - the danger zones: According to their risk potential explosion-prone rooms and equipment interiors are divided into zones. For gases, vapours and fogs the zone designations are 0, 1 and 2, for combustible dust they are 20, 21 and 22. Category 1 equipment is safe even in case of rare equipment malfunctions and may be used in zone 0/20. Category 2 equipment must be designed so that safety is assured even in case of expected malfunctions and may be used in zone 1/21. Equipment in protection category 3 is safe in normal operations and suitable for zone 2/22.

EXPLOSION PROOF CABLE GLANDS, CONDUIT GLANDS & ACCESSORIES

THE RIGHT PROTECTION
EVEN IN THE MOST EXTREME ENVIRONMENTS



EXPLOSION PROOF POLYAMIDE CABLE GLAND



BM Series



EHBM Series

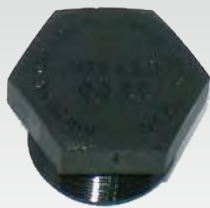
These Glands are for use with electrical equipment in potentially explosive areas, specially in chemical and petro - chemical industries. These Glands are produced in accordance with EN 60079-7:2015

Technical Details :

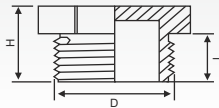
Material	Polyamide 6
Colour	RAL 9005 (Black)
Threads available	Metric - EN 60423
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene
Dust Guard	Assembled
Temperature Range	-40° C to +70° C
Certificate Number	IMQ 13 ATEX 010 X / IECEx IMQ 13.0003X
Equipment Marking	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	     

Size	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	EHBM-OXS	12	10	15	4 - 6.5	100
M 12 x 1.5	EHBM-XS	12	15	15	4 - 6.5	100
M 16 x 1.5	EHBM-SX1	16	10	19	5 - 8	50
M 20 x 1.5	BM-X2	20	10	24	6 - 12	50
M 20 x 1.5	BM-X2L	20	15	24	6 - 12	50
M 20 x 1.5	BM-X3	20	10	27	10 - 14	50
M 25 x 1.5	BM-X5	25	10	33	13 - 18	25
M 32 x 1.5	BM-X7	32	15	42	18 - 25	20
M 40 x 1.5	BM-X8	40	18	53	22 - 32	10
M 50 x 1.5	BM-X9	50	18	60	30 - 38	10
M 63 x 1.5	BM-X10	63	18	65	34 - 44	10

EXPLOSION PROOF POLYAMIDE HEXAGONAL BLIND STOPS



DRACO



Technical Details :

Material	Polyamide 6
Colour	RAL 9005 (Black)
Protection Class	IP 68 - 5 Bar, 30 Min
Temperature Range	-40° C to +80° C
O Ring	Chloroprene
Certificate Number	IMQ 13 ATEX 010 X / IECEx IMQ 13.0003X
Equipment Marking	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	     

Metric Thread

Size	Cat. No. Black	Thread Diameter D (mm)	Thread Length L (mm)	 (mm)	Total Height H (mm)	Standard Pack (pieces)
M 12 x 1.5	TP-X02	12	10	15	15	100
M 16 x 1.5	TP-X01	16	11	19	15.3	50
M 20 x 1.5	TP-X1	20	11	23	17	50
M 25 x 1.5	TP-X2	25	10	28	15.8	50
M 32 x 1.5	TP-X3	32	15	36	22.8	25
M 40 x 1.5	TP-X4	40	18	46	26.5	10
M 50 x 1.5	TP-X5	50	18	55	27.5	10
M 63 x 1.5	TP-X6	63	18	69	27.5	10

EXPLOSION PROOF TRIPLE SEAL STANDARD BRASS / S.S CABLE GLANDS

These Glands are produced in accordance to EN 60079-7:2015. Because of triple seal they have wide clamping range they are used in mobile offshore, marine application, chemical & petro chemical industry.

Technical Details :

Material	Brass Nickel Plated (MB / NB Series) Stainless Steel 316L (MX / NX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring / O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone
Ex d/tb	-40°C to +80°C -60°C to +80°C
Ex e/tb	-40°C to +80°C -60°C to +140°C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	IMQ 13 ATEX 018 X / IECEx IMQ 13.0006X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22

Metric Thread (* Double Seal)

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	(mm)	Clamping Range P (mm)	Standard Pack (pieces)
M12X1.5	EBU0MB *	12	16	20	3.0 - 8	50
M12X1.5	EBU0SMB	12	16	22	4.0 - 8	50
M16X1.5	EBU01MB	16	16	22	4. - 12	50
M20X1.5	EBU1MB	20	16	22	4.0 - 12	50
M20X1.5	EBU12MB	20	16	28	10.0 - 16.0	50
M25X1.5	EBU2MB	25	16	28	10.0 - 18.0	25
M25X1.5	EBU23MB	25	16	35	14.0 - 20.0	25
M32X1.5	EBU3MB	32	16	35	14.0 - 24.0	20
M32X1.5	EBU34MB	32	16	45	22.0 - 28.0	20
M40X1.5	EBU4MB	40	18	45	22.0 - 32.0	10
M40X1.5	EBU45MB	40	18	50	26.0 - 34.0	10
M50X1.5	EBU5MB	50	18	55	26.0 - 35.0	10
M50X1.5	EBU56MB	50	18	64	35.0 - 44.0	10
M63X1.5	EBU6MB	63	18	68	35.0 - 45.0	5
M63X1.5	EBU67MB	63	18	75	46.0 - 56.0	5
M75X1.5	EBU7MB	75	20	80	46.0 - 62.0	2
M75X1.5	EBU78MB	75	20	95	60.0 - 69.0	2
M90X1.5	EBU8MB	90	20	95	60.0 - 75.0	2
M90X1.5	EBU810MB	90	20	105	75.0 - 82.0	2
M100X1.5	EBU10MB	100	20	105	75.0 - 85.0	1
M110X1.5	EBU11MB	110	20	115	85.0 - 95.0	1

NPT Thread (* Double Seal)

NPT 3/8"	EBU01SNB *	17.15	16	22	3.0 - 9	50
NPT 3/8"	EBU01NB	17.15	16	22	4.0 - 12	50
NPT 1/2"	EBU1NB	21.34	16	22	4.0 - 12	50
NPT 1/2"	EBU12NB	21.34	16	28	10.0 - 16.0	50
NPT 3/4"	EBU2NB	26.67	16	28	10.0 - 18.0	25
NPT 3/4"	EBU23NB	26.67	16	35	14.0 - 20.0	25
NPT 1"	EBU3NB	33.40	20	35	14.0 - 24.0	20
NPT 1"	EBU34NB	33.40	20	45	22.0 - 26.0	20
NPT 1 1/4"	EBU4NB	42.16	20	45	22.0 - 32.0	10
NPT 1 1/4"	EBU45NB	42.16	20	50	26.0 - 34.0	10
NPT 1 1/2"	EBU5NB	48.26	20	55	26.0 - 35.0	10
NPT 1 1/2"	EBU56NB	48.26	20	64	35.0 - 41.0	10
NPT 2"	EBU6NB	60.33	20	68	35.0 - 45.0	5
NPT 2"	EBU67NB	60.33	20	75	46.0 - 52.0	5
NPT 2 1/2"	EBU7NB	73.03	21	80	46.0 - 62.0	2
NPT 2 1/2"	EBU78NB	73.03	21	95	60.0 - 64.0	2
NPT 3"	EBU8NB	88.90	21	95	60.0 - 75.0	2
NPT 3"	EBU810NB	88.90	21	105	75.0 - 79.5	2
NPT 4"	EBU10NB	114.30	21	105	75.0 - 85.0	1
NPT 4"	EBU11NB	114.30	21	115	85.0 - 95.0	1



EXPLOSION PROOF TRIPLE SEAL EMC BRASS / S.S CABLE GLANDS



E-VELA

These Glands are produced in accordance to EN 60079-7:2015. Because of triple seal they have wide clamping range they are used in mobile offshore, marine application, chemical & petro chemical industry.

Technical Details :

Material	Brass Nickel Plated (MB / NB Series) Stainless Steel 316L (MX / NX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone
Ex d/tb	-40° C to +80° C -60° C to +80° C
Ex e/tb	-60° C to +80° C -60° C to +140° C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	IMQ 13 ATEX 018 X / IECEx IMQ 13.0006X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	

Metric Thread (* Double Seal)

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	(mm)	Clamping Range P (mm)	Shield Dia (mm)	Standard Pack (pieces)
M16X1.5	EBS01MB*	16	16	22	4.0 - 8.0	2.5 - 5.0	50
M20X1.5	EBS1MB	20	18	22	4.0 - 12.0	2.5 - 10.0	50
M25X1.5	EBS2MB	25	16	28	10.0 - 18.0	8.0 - 14.0	25
M32X1.5	EBS3MB	32	19	35	14.0 - 24.0	12.0 - 20.0	20
M40X1.5	EBS4MB	40	20	45	22.0 - 32.0	18.0 - 28.0	10
M50X1.5	EBS5MB	50	20	55	26.0 - 35.0	21.0 - 31.0	12
M63X1.5	EBS6MB	63	20	64	35.0 - 45.0	31.0 - 41.0	12
M75X1.5	EBS7MB	75	20	80	46.0 - 62.0	42.0 - 58.0	1
M90X1.5	EBS8MB	90	20	95	60.0 - 70.0	56.0 - 71.0	1
M100X1.5	EBS10MB	100	20	105	75.0 - 85.0	71.0 - 81.0	1
M110X1.5	EBS11MB	110	20	115	85.0 - 95.0	81.0 - 91.0	1

NPT Thread (* Double Seal)

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	(mm)	Clamping Range P (mm)	Shield Dia (mm)	Standard Pack (pieces)
NPT 3/8"	EBS01NB*	17.15	16	20	4.0 - 8.0	2.5 - 5.0	50
NPT 1/2"	EBS1NB	21.34	18	22	4.0 - 12.0	2.5 - 10.0	50
NPT 3/4"	EBS2NB	26.67	16	28	10.0 - 18.0	8.0 - 14.0	25
NPT 1"	EBS3NB	33.40	20	35	14.0 - 24.0	12.0 - 20.0	20
NPT 1 1/4"	EBS4NB	42.16	20	45	22.0 - 32.0	18.0 - 28.0	10
NPT 1 1/2"	EBS5NB	48.26	20	55	26.0 - 35.0	22.0 - 31.0	12
NPT 2"	EBS6NB	60.33	20	68	35.0 - 45.0	31.0 - 41.0	12
NPT 2 1/2"	EBS7NB	73.03	21	80	46.0 - 62.0	42.0 - 58.0	1
NPT 3"	EBS8NB	88.90	21	95	62.0 - 75.0	56.0 - 71.0	1
NPT 4"	EBS10NB	114.30	21	115	75.0 - 85.0	71.0 - 81.0	1
NPT 4"	EBS11NB	114.30	21	115	85.0 - 95.0	81.0 - 91.0	1



EXPLOSION PROOF DOUBLE COMPRESSION METRIC THREAD BRASS / S.S CABLE GLANDS



ORION

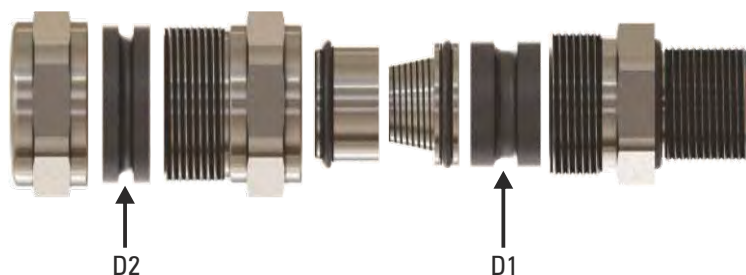
These double compression explosion proof cable glands are used for securing SWA and AWA armoured cables. Various clamping ranges are available for same size of thread.

Technical Details :

Material	Brass Nickel Plated (MB Series) Stainless Steel (MX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40°C to +100°C -60°C to +130°C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	CESI 13 ATEX 033 X / IECEx CES 13.0013X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	    DNV-GL

Metric Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length TL (mm)	 (mm)	Inner Sheath Sealing Ring D1 (mm)	Outer Sheath Sealing Ring D2 (mm)	Armour Wire
M16X1.5	KBA01SMB	16	16	26	3.0 - 8.5	6.0 - 12	0.70 - 1.20
M16X1.5	KBA01MB	16	16	29	6.0 - 12	8.5 - 16	0.70 - 1.25
M20X1.5	KBA1SMB	20	16	26	3.0 - 8.5	6.0 - 12	0.70 - 1.20
M20X1.5	KBA1MB	20	16	29	6.0 - 12	8.5 - 16	0.70 - 1.25
M20X1.5	KBA1LMB	20	16	32	8.5 - 14.5	12 - 20	0.90 - 1.30
M25X1.5	KBA2SMB	25	18	29	6.0 - 12	8.5 - 16	0.70 - 1.25
M25X1.5	KBA2MB	25	18	34	8.5 - 16	12 - 21	0.70 - 1.20
M25X1.5	KBA2LMB	25	18	40	12 - 20	16 - 26	1.30 - 1.70
M32X1.5	KBA3SMB	32	18	40	12 - 20	16 - 26	1.30 - 1.70
M32X1.5	KBA3MB	32	18	52	15 - 26	20 - 33	1.20 - 1.80
M40X1.5	KBA4SMB	40	18	52	15 - 26	20 - 33	1.20 - 1.80
M40X1.5	KBA4MB	40	18	60	20 - 32	29 - 41	1.60 - 2.20
M50X1.5	KBA5SMB	50	18	70	22 - 35	33 - 48	2.00 - 2.80
M50X1.5	KBA5MB	50	18	70	27 - 41	36 - 52	1.80 - 2.80
M63X1.5	KBA6SMB	63	20	80	35 - 45	43 - 57	1.80 - 2.80
M63X1.5	KBA6MB	63	20	85	40 - 52	47 - 60	1.80 - 2.80
M75X1.5	KBA7SMB	75	20	85	40 - 52	47 - 60	1.80 - 2.80
M90X1.5	KBA8SMB	90	20	95	45 - 60	54 - 70	1.00 - 2.30
M90X1.5	KBA8MB	90	20	110	60 - 72	63 - 80	1.00 - 3.50
M110X1.5	KBA10SMB	110	20	120	45 - 60	54 - 70	1.00 - 2.30
M110X1.5	KBA10MB	110	20	120	60 - 72	63 - 80	1.00 - 3.50



EXPLOSION PROOF DOUBLE COMPRESSION NPT THREAD BRASS / S.S CABLE GLANDS



ORION

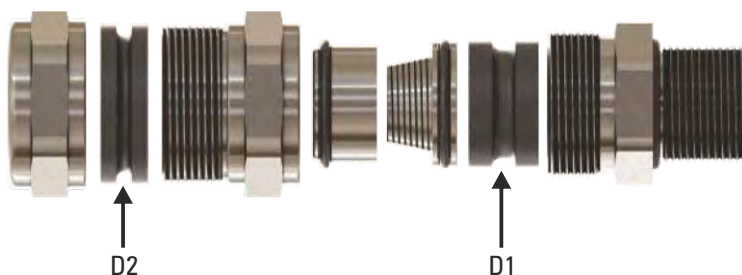
These double compression explosion proof cable glands are used for securing SWA and AWA armoured cables. Various clamping ranges are available for same size of thread.

Technical Details :

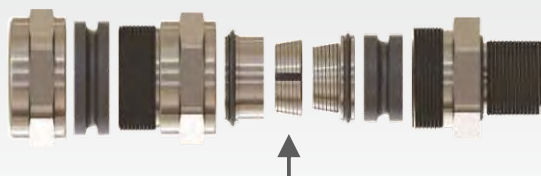
Material	Brass Nickel Plated (MB Series) Stainless Steel (MX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40°C to +100°C -60°C to +130°C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	CESI 13 ATEX 033 X / IECEx CES 13.0013X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	     DNV-GL

NPT Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length TL (mm)	 (mm)	Inner Sheath Sealing Ring D1 (mm)	Outer Sheath Sealing Ring D2 (mm)	Armour Wire
NPT 3/8"	KBA01SNB	17.15	16	26	3.0 - 8.5	6.0 - 12	0.70 - 1.20
NPT 3/8"	KBA01NB	17.15	16	29	6.0 - 12	8.5 - 16	0.70 - 1.25
NPT 1/2"	KBA1SNB	21.34	21	26	3.0 - 8.5	6.0 - 12	0.70 - 1.20
NPT 1/2"	KBA1NB	21.34	21	29	6.0 - 12	8.5 - 16	0.70 - 1.25
NPT 1/2"	KBA1LNB	21.34	21	30	8.5 - 14.5	12 - 20	0.90 - 1.30
NPT 3/4"	KBA2SNB	26.67	21	29	6.0 - 12	8.5 - 16	0.70 - 1.25
NPT 3/4"	KBA2NB	26.67	21	34	8.5 - 16	12 - 21	0.70 - 1.20
NPT 3/4"	KBA2LNB	26.67	21	40	12 - 20	16 - 26	1.30 - 1.70
NPT 1"	KBA3SNB	33.40	26	40	12 - 20	16 - 26	1.30 - 1.70
NPT 1"	KBA3NB	33.40	26	52	15 - 26	20 - 33	1.20 - 1.80
NPT 1 1/4"	KBA4SNB	42.16	28	52	15 - 26	20 - 33	1.20 - 1.80
NPT 1 1/4"	KBA4NB	42.16	28	60	20 - 32	29 - 41	1.60 - 2.20
NPT 1 1/2"	KBA5SNB	48.26	28	70	22 - 35	33 - 48	2.00 - 2.80
NPT 1 1/2"	KBA5NB	48.26	28	70	27 - 41	36 - 52	1.80 - 2.80
NPT 2"	KBA6SNB	60.33	28	80	35 - 45	43 - 57	1.80 - 2.80
NPT 2"	KBA6NB	60.33	28	85	40 - 52	47 - 60	1.80 - 2.80
NPT 2 1/2"	KBA7SNB	73.03	41	85	40 - 52	47 - 60	1.80 - 2.80
NPT 3"	KBA8SNB	88.90	43	95	45 - 60	54 - 70	1.00 - 2.30
NPT 3"	KBA8NB	88.90	43	115	60 - 72	63 - 80	1.00 - 3.50
NPT 3 1/2"	KBA9SNB	101.60	45	95	45 - 60	54 - 70	1.00 - 2.30
NPT 3 1/2"	KBA9NB	101.60	45	115	60 - 72	63 - 80	1.00 - 3.50



EXPLOSION PROOF METRIC THREAD BRASS / S.S CABLE GLANDS FOR ALL TYPE OF ARMoured CABLES



With armour reduction cone it can be used for shielded, SWB and STA cable.
When armour reduction cone is taken out it can be used for armoured SWA and AWA cables.

ORION UNIVERSAL

These double compression explosion proof cable glands are used for all types Armoured cables such as SWA - SWB - STA - PWA - AWA - SHIELDED. Various clamping ranges are available for same size of thread.

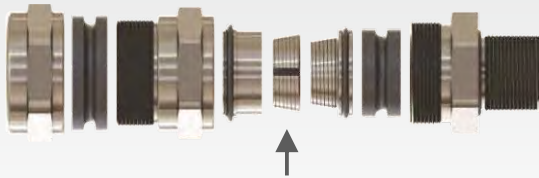
Technical Details :

Material	Brass Nickel Plated (MB Series) Stainless Steel (MX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40°C to +100°C -60°C to +130°C
Threads available	Metric
Certificate No.	CESI 13 ATEX 033 X / IECEx CES 13.0013X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	

Metric Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length TL (mm)	Clamping Range		Armour Wire Ø min - max mm	Shield Wire Ø min - max mm
				Inner Sheath Ø min-max	Outer Sheath Ø min-max		
M12X1.5	KBAU0SLMB	12	15	3.0 - 7.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
M16X1.5	KBAU01SMB	16	16	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
M16X1.5	KBAU01MB	16	16	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
M20X1.5	KBAU1SMB	20	16	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
M20X1.5	KBAU1MB	20	16	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
M20X1.5	KBAU1LMB	20	16	8.5 - 14.5	12 - 20	0.90 - 1.30	0.2 - 0.5
M25X1.5	KBAU2XSMB	25	18	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
M25X1.5	KBAU2SMB	25	18	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
M25X1.5	KBAU2MB	25	18	8.5 - 16	12 - 21	0.70 - 1.20	0.5 - 0.7
M25X1.5	KBAU2LMB	25	18	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
M32X1.5	KBAU3XSMB	32	18	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
M32X1.5	KBAU3SMB	32	18	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
M32X1.5	KBAU3MB	32	18	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
M40X1.5	KBAU4XSMB	40	18	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
M40X1.5	KBAU4SMB	40	18	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
M40X1.5	KBAU4MB	40	18	20 - 32	29 - 41	1.60 - 2.20	0.2 - 0.8
M50X1.5	KBAU5XSMB	50	18	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
M50X1.5	KBAU5XMMB	50	18	20 - 32	29 - 41	1.60 - 2.20	0.2 - 0.8
M50X1.5	KBAU5SMB	50	18	22 - 35	33 - 48	2.00 - 2.80	0.2 - 1.0
M50X1.5	KBAU5MB	50	18	27 - 41	36 - 52	1.80 - 2.80	0.3 - 1.4
M63X1.5	KBAU6XSMB	63	20	22 - 35	33 - 48	2.00 - 2.80	0.2 - 1.0
M63X1.5	KBAU6XMMB	63	20	27 - 41	36 - 52	1.80 - 2.80	0.3 - 1.4
M63X1.5	KBAU6SMB	63	20	35 - 45	43 - 57	1.80 - 2.80	0.3 - 1.0
M63X1.5	KBAU6MB	63	20	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
M75X1.5	KBAU7XSMB	75	20	35 - 45	43 - 57	1.80 - 2.80	0.3 - 1.0
M75X1.5	KBAU7SMB	75	20	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
M75X1.5	KBAU7MB	75	20	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
M90X1.5	KBAU8XSMB	90	20	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
M90X1.5	KBAU8SMB	90	20	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
M90X1.5	KBAU8MB	90	20	60 - 72	63 - 80	1.00 - 3.50	0.2 - 1.9
M110X1.5	KBAU10SMB	110	20	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
M110X1.5	KBAU10MB	110	20	60 - 72	63 - 80	1.00 - 3.50	0.2 - 1.9

EXPLOSION PROOF NPT THREAD BRASS / S.S CABLE GLANDS FOR ALL TYPE OF ARMoured CABLES



With armour reduction cone it can be used for shielded, SWB and STA cable.
When armour reduction cone is taken out it can be used for armoured SWA and AWA cables.

ORION UNIVERSAL

These double compression explosion proof cable glands are used for all types Armoured cables such as SWA - SWB - STA - PWA - AWA - SHIELDED. Various clamping ranges are available for same size of thread.

Technical Details :

Material	Brass Nickel Plated (NB Series) Stainless Steel (NX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40°C to +100°C -60°C to +130°C
Threads available	NPT
Certificate No.	CESI 13 ATEX 033 X / IECEx CES 13.0013X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	     DNV-GL

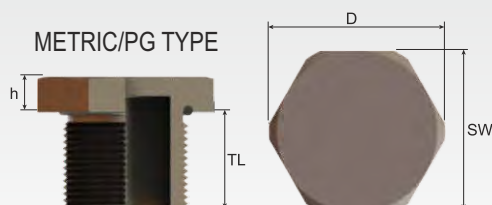
NPT Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length TL (mm)	Clamping Range		Armour Wire Ø min - max mm	Shield Wire Ø min - max mm
				Inner Sheath Ø min-max	Outer Sheath Ø min-max		
NPT 1/4"	KBAU0SLNB	13.70	15	3.0 - 8.0	6.0 - 12	0.70 - 1.20	0.2 - 0.5
NPT 3/8"	KBAU01SNB	17.5	16	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
NPT 3/8"	KBAU01NB	17.5	16	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
NPT 1/2"	KBAU1SNB	21.34	16	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
NPT 1/2"	KBAU1NB	21.34	16	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
NPT 1/2"	KBAU1LNB	21.34	16	8.5 - 14.5	12 - 20	0.90 - 1.30	0.2 - 0.5
NPT 3/4"	KBAU2XSNB	26.67	16	3.0 - 8.5	6.0 - 12	0.70 - 1.20	0.2 - 0.5
NPT 3/4"	KBAU2SNB	26.67	18	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
NPT 3/4"	KBAU2NB	26.67	16	8.5 - 16	12 - 21	0.70 - 1.20	0.5 - 0.7
NPT 3/4"	KBAU2LNB	26.67	16	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
NPT 1"	KBAU3XSNB	33.40	21	6.0 - 12	8.5 - 16	0.70 - 1.25	0.2 - 0.5
NPT 1"	KBAU3SNB	33.40	21	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
NPT 1"	KBAU3NB	33.40	21	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
NPT 1 1/4"	KBAU4XSNB	42.16	21	12 - 20	16 - 26	1.30 - 1.70	0.2 - 0.5
NPT 1 1/4"	KBAU4SNB	42.16	21	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
NPT 1 1/4"	KBAU4NB	42.16	18	20 - 32	29 - 41	1.60 - 2.20	0.2 - 0.8
NPT 1 1/2"	KBAU5XSNB	48.26	21	15 - 26	20 - 33	1.20 - 1.80	0.2 - 0.8
NPT 1 1/2"	KBAU5XMNB	48.26	21	20 - 32	29 - 41	1.60 - 2.20	0.2 - 0.8
NPT 1 1/2"	KBAU5SNB	48.26	21	22 - 35	33 - 48	2.00 - 2.80	0.2 - 1.0
NPT 1 1/2"	KBAU5NB	48.26	21	27 - 41	36 - 52	1.80 - 2.80	0.3 - 1.4
NPT 2"	KBAU6XSNB	60.33	21	22 - 35	33 - 48	2.00 - 2.80	0.2 - 1.0
NPT 2"	KBAU6XMNB	60.33	21	27 - 41	36 - 52	1.80 - 2.80	0.3 - 1.4
NPT 2"	KBAU6SNB	60.33	20	35 - 45	43 - 57	1.80 - 2.80	0.3 - 1.0
NPT 2"	KBAU6NB	60.33	21	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
NPT 2 1/2"	KBAU7XSNB	73.03	21	35 - 45	43 - 57	1.80 - 2.80	0.3 - 1.0
NPT 2 1/2"	KBAU7SNB	73.03	21	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
NPT 2 1/2"	KBAU7NB	73.03	20	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
NPT 3"	KBAU8XSNB	88.90	21	40 - 52	47 - 60	1.80 - 2.80	0.6 - 1.5
NPT 3"	KBAU8SNB	88.90	21	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
NPT 3"	KBAU8NB	88.90	21	60 - 72	63 - 80	1.00 - 3.50	0.2 - 1.9
NPT 3 1/2"	KBAU9SNB	101.60	21	45 - 60	54 - 70	1.00 - 2.30	0.2 - 1.2
NPT 3 1/2"	KBAU9NB	101.60	21	60 - 72	63 - 80	1.00 - 3.50	0.2 - 1.9

EXPLOSION PROOF BLIND STOPS BRASS / STAINLESS STEEL



Pg / Metric



AQUILA HEXAGONAL

Blind Stops made of Brass are used wherever threads previously cut must be closed for preventing dust, dirt and foreign matters from entering the enclosure or equipment. These blind stops are produced in accordance with EN 60079-7:2015.

Technical Details :

Material	Brass Nickel Plated (PB & MB Series) Stainless Steel 316L (PX & MX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene: -40°C to +100°C Silicone: -60°C to +130°C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	CESI 13 ATEX 066 X / IECEx CES 13.0022X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Type protection	Ex d/e
Approvals	

Pg Thread (Hexagonal)

Size	Cat. No. Brass	Thread Diameter D (mm)	Height h (mm)	Spanner Width SW (mm)	Thread Length TL (mm)	Standard Pack (pieces)
Pg 9	B-TS2PB	15.2	5.5	20	16.5	25
Pg 11	B-TS3PB	18.6	5.5	25	16.5	20
Pg 13.5	B-TS4PB	20.4	5.5	25	16.5	20
Pg 16	B-TS5PB	22.5	5.5	27	16.5	10
Pg 21	B-TS6PB	28.3	5.0	35	17	10
Pg 29	B-TS7PB	37	5.0	42	17	10
Pg 36	B-TS8PB	47	5.0	55	17	5
Pg 42	B-TS9PB	54	5.0	60	17	5
Pg 48	B-TS10PB	59.3	5.0	65	17	5

Metric Thread (Hexagonal)

Size	Cat. No. Brass	Thread Diameter D (mm)	Height h (mm)	Spanner Width SW (mm)	Thread Length TL (mm)	Standard Pack (pieces)
M 12 x 1.5	B-TS02MB	12	5.5	17	14	25
M 16 x 1.5	B-TS01MB	16	5.5	22	15.5	25
M 20 x 1.5	B-TS1MB	20	5.5	25	15.5	25
M 25 x 1.5	B-TS2MB	25	5.5	30	15.5	20
M 32 x 1.5	B-TS3MB	32	5.5	37	15.5	20
M 40 x 1.5	B-TS4MB	40	5.5	45	17.5	10
M 50 x 1.5	B-TS5MB	50	5.5	55	17.5	10
M 63 x 1.5	B-TS6MB	63	5.5	70	17.5	10
M 75 x 1.5	B-TS7MB	75	5.0	85	20	5
M 90 x 1.5	B-TS8MB	90	5.0	100	20	5
M 110 x 1.5	B-TS10MB	110	5.0	120	20	5

EXPLOSION PROOF BLIND STOPS BRASS / STAINLESS STEEL



Blind Stops made of Brass are used wherever threads previously cut must be closed for preventing dust, dirt and foreign matters from entering the enclosure or equipment. These blind stops are produced in accordance with EN 60079-7:2015.

Technical Details :

Material	Brass Nickel Plated (NB Series) Stainless Steel 316L (NX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
Sealing Ring	Chloroprene / Silicone
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40°C to +100°C -60°C to +130°C
Threads available	Metric, NPT, (Pg available on request)
Certificate No.	CESI 13 ATEX 066 X / IECEx CES 13.0022X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Type protection	Ex d:Ex e
Approvals	

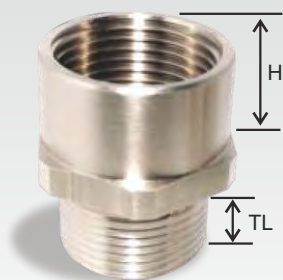
NPT Thread (Circular)

Size	Cat. No. Brass	Thread Diameter D (mm)	Spanner Width SW (mm)	Thread Length TL (mm)	Standard Pack (pieces)
NPT 3/8"	B-TS01NB	17.15	6	15	25
NPT 1/2"	B-TS1NB	21.34	10	20	25
NPT 3/4"	B-TS2NB	26.67	10	20	20
NPT 1"	B-TS3NB	33.40	14	25	20
NPT 1 1/4"	B-TS4NB	42.16	14	25	10
NPT 1 1/2"	B-TS5NB	48.26	14	25	10
NPT 2"	B-TS6NB	60.33	14	25	10
NPT 2 1/2"	B-TS7NB	73.03	14	32	5
NPT 3"	B-TS8NB	88.90	16	32	5
NPT 3 1/2"	B-TS9NB	101.60	16	32	5
NPT 4"	B-TS10NB	114.30	16	33	5

NPT Thread (Hexagonal)

Size	Cat. No. Brass	Thread Diameter D (mm)	Height h (mm)	Spanner Width SW (mm)	Thread Length TL (mm)	Standard Pack (pieces)
NPT 3/8"	NB-TS01NB	17.15	4.0	20	16	25
NPT 1/2"	NB-TS1NB	21.34	4.0	24	18	25
NPT 3/4"	NB-TS2NB	26.67	4.0	28	18	20
NPT 1"	NB-TS3NB	33.40	4.0	35	21	20
NPT 1 1/4"	NB-TS4NB	42.16	4.0	45	21	10
NPT 1 1/2"	NB-TS5NB	48.26	5.0	50	21	10
NPT 2"	NB-TS6NB	60.33	5.0	65	21	10
NPT 2 1/2"	NB-TS7NB	73.03	5.0	75	28	5
NPT 3"	NB-TS8NB	88.90	5.0	95	28	5
NPT 3 1/2"	NB-TS9NB	101.60	5.0	100	28	5
NPT 4"	NB-TS10NB	114.30	5.0	120	28	5

EXPLOSION PROOF ADAPTORS BRASS / STAINLESS STEEL



APUS

These are used for threaded holes on machines or equipment housing where the threads are to be changed from Metric to NPT or from NPT to Metric. They are produced in accordance with EN 60079-7:2015. Enlargers and Reducers in Metric & NPT thread are available on request.

Technical Details :

Material	Brass Nickel Plated (NB & MB Series) Stainless Steel 316L (NX & MX Series)
Protection Class	IP 68 - 5 Bar, 30 Min
O Ring	Chloroprene / Silicone
Temperature Range	Chloroprene Silicone -40° C to +100° C -60° C to +130° C
Certificate No.	CESI 13 ATEX 066 X / IECEx CES 13.0022X
Equipment Marking	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	    

NPT / Metric Thread

Cat. No.	Male Thread Size	Female Thread Size	Outer Thread Length TL (mm)	Height H (mm)	Standard Pack (pieces)
B-RB01M01NB	NPT 3/8"	M 16 x 1.5	15	33.5	50
B-RB1M01NB	NPT 3/8"	M 20 x 1.5	15	34	50
B-RB1M1NB	NPT 1/2"	M 20 x 1.5	15	34	25
B-RB2M1NB	NPT 1/2"	M 25 x 1.5	15	34	25
B-RB1M2NB	NPT 3/4"	M 20 x 1.5	15	34	25
B-RB2M2NB	NPT 3/4"	M 25 x 1.5	15	34	25
B-RB3M2NB	NPT 3/4"	M 32 x 1.5	15	34	25
B-RB3M3NB	NPT 1"	M 32 x 1.5	15	34	10
B-RB4M3NB	NPT 1"	M 40 x 1.5	15	37	10
B-RB4M4NB	NPT 1 1/4"	M 40 x 1.5	18	40	10
B-RB5M4NB	NPT 1 1/4"	M 50 x 1.5	18	40	10
B-RB5M5NB	NPT 1 1/2"	M 50 x 1.5	18	40	5
B-RB6M5NB	NPT 1 1/2"	M 63 x 1.5	18	40.5	5
B-RB6M6NB	NPT 2"	M 63 x 1.5	18	40.5	5
B-RB7M6NB	NPT 2"	M 75 x 1.5	18	40.5	5
B-RB7M7NB	NPT 2 1/2"	M 75 x 1.5	28	50.5	3
B-RB8M7NB	NPT 2 1/2"	M 90 x 1.5	28	54	3
B-RB8M8NB	NPT 3"	M 90 x 1.5	28	54	2
B-RB10M8NB	NPT 3"	M 110 x 1.5	28	54	2
B-RB10M10NB	NPT 4"	M 110 x 1.5	28	54	2

Metric / NPT Thread

B-RB01N01MB	M 16 x 1.5	NPT 3/8"	15	33.5	50
B-RB1N01MB	M 16 x 1.5	NPT 1/2"	15	34	50
B-RB1N1MB	M 20 x 1.5	NPT 1/2"	15	34	25
B-RB2N1MB	M 20 x 1.5	NPT 3/4"	15	34	25
B-RB2N2MB	M 25 x 1.5	NPT 3/4"	15	34	25
B-RB3N2MB	M 25 x 1.5	NPT 1"	15	34	25
B-RB3N3MB	M 32 x 1.5	NPT 1"	15	34	10
B-RB4N3MB	M 32 x 1.5	NPT 1 1/4"	18	37	10
B-RB4N4MB	M 40 x 1.5	NPT 1 1/4"	18	40	10
B-RB5N4MB	M 40 x 1.5	NPT 1 1/2"	18	40	10
B-RB5N5MB	M 50 x 1.5	NPT 1 1/2"	18	40	5
B-RB6N5MB	M 50 x 1.5	NPT 2"	18	40.5	5
B-RB6N6MB	M 63 x 1.5	NPT 2"	18	40.5	5
B-RB7N6MB	M 63 x 1.5	NPT 2 1/2"	18	50.5	5
B-RB7N7MB	M 75 x 1.5	NPT 2 1/2"	18	50.5	3
B-RB8N7MB	M 75 x 1.5	NPT 3"	18	50.5	3
B-RB8N8MB	M 90 x 1.5	NPT 3"	21	54	2
B-RB10N8MB	M 90 x 1.5	NPT 4"	21	54	2
B-RB10N10MB	M 110 x 1.5	NPT 4"	21	54	2

EXPLOSION PROOF VENTILATION PLUGS IN STAINLESS STEEL



HYDRA

Ventilation Plugs are used for equalizing the pressure inside and outside the enclosure. The same is achieved with the help of a membrane inside the ventilation plug, which allows for gases (air) to pass through it while blocking liquids and particulate solids (dust).

Applications / Benefits :

- 1) These prevent components inside the enclosure from being exposed to pressurized gases when the enclosure heats up. (By virtue of pressure equalization)
- 2) These also prevent generation of vacuum inside the enclosure when a heated enclosure cools off. (e.g. In luminaires)
- 3) These help maintain IP 66 rating of the enclosure while allowing for the above benefits.

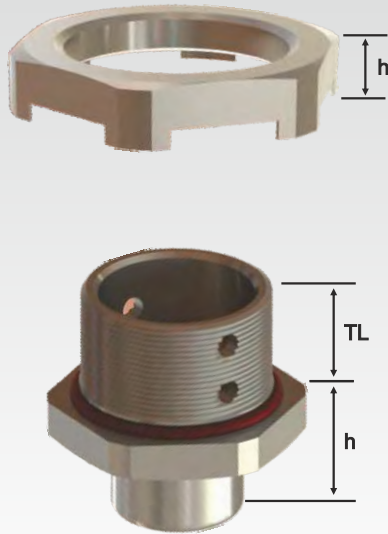
Technical Details :

Material Body, Cap	Stainless Steel 316L
Vent. Membrane	Acrylic co-polymer on nylon-support
O Ring	Chloroprene
Protection Class	IP 66 (EN60529)
Temperature Range	Ex e/tb -40° C to +100° C
Certificate No.	IBExU 10 ATEX 1169 U / TC RU C-TR.AA87.B.00941
Equipment Marking	Ex II 2GD Ex e IIC Gb Ex t IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	     

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	⌀ (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar
M 12 x 1.5	MBBVP-X01L	12	10	17	25	0.5

EXPLOSION PROOF DRAIN PLUGS

These explosion proof metal drain plugs balances pressure difference between inner housing and outside environment. It also prevents the formation of water condensation in tightly sealed housings.



VIRGO

Technical Details :

Material	Brass Nickel Plated (NB & MB Series)
Body, Cap	Stainless Steel 316L (NX & MX Series)
Membrane	Bronze
O Ring	Silicone
Protection Class	IP 66 (EN60529)
Temperature Range	Ex e/tb -60°C to +85°C
Certificate No.	IMQ 13 ATEX 030 X / IECEx IMQ 14.0003X
Equipment Marking	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22
Approvals	

Metric Thread - Drain Plug

Size	Cat. No.	Outer Diameter D (mm)	Thread Length TL (mm)	(mm)	Height h (mm)
M 20 x 1.5	BDRV-1MB	27.5	15	25	16
M 25 x 1.5	BDRV-2MB	33.0	15	30	16

NPT Thread - Drain Plug

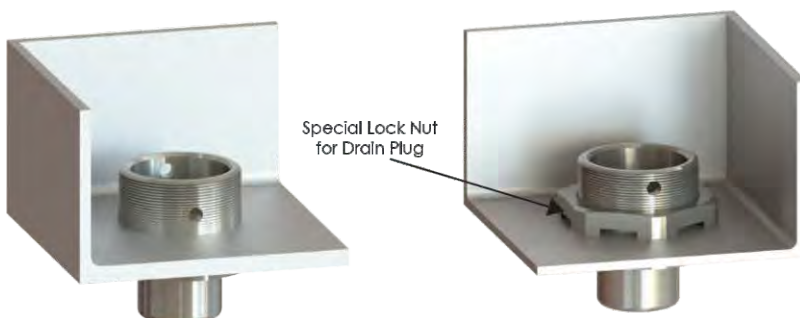
Size	Cat. No.	Outer Diameter D (mm)	Thread Length TL (mm)	(mm)	Height h (mm)
NPT 1/2"	BDRV-1NB	27.5	16	25	16
NPT 3/4"	BDRV-2NB	33.0	16	30	16

Special Lock Nuts for drain plugs

Size	Cat. No.	Outer Diameter D (mm)		(mm)	Height h (mm)
M20 X 1.5	BDRL-03	27.5		25	5
M25 X 1.5	BDRL-04	33.0		30	5
NPT 1/2"	BDRLN-03	27.5		25	5
NPT 3/4"	BDRLN-04	33.0		30	5

Threaded Hole

Non-Threaded Hole



EXPLOSION PROOF TRIPLE SEAL LIQUID TIGHT STRAIGHT FITTINGS METRIC & NPT THREAD BRASS / S.S CONDUIT GLANDS



E-HYDRUS

These fittings are used with liquid tight flexible conduits for non-armoured cables. These Conduit Glands are produced in accordance with EN 60079-0:2015.

Technical Details :

Material Body, Cap	Brass Nickel Plated (MB / NB Series) Stainless Steel 316L(MX / NX Series)	
Protection Class	IP 68 - 5 Bar, 30 Min	
Sealing Ring	Chloroprene / For Silicone add suffix S	
O Ring	Chloroprene / For Silicone add suffix S	
Ferrule	Steel zinc plated, Brass nickel plated	
Plastic Ring	Polyamide	
Temperature Range	Chloroprene	Silicone
Ex d/tb	-40° C to +80° C	-60° C to +80° C
Ex e/tb	-40° C to +80° C	-60° C to +140° C
Threads available	Metric, NPT, (Pg available on request)	
Certificate No.	IMQ 13 ATEX 018 X / IECEx IMQ 13.0006X	
Equipment Marking	EII 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22	
Approvals	    	

Metric Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)		 (mm)	Clamping Range D1 (mm)
				Ex-e	Ex-d/e		
M12X1.5	EBLS02MB	1/2"	12	9	16	27	4.0 - 8.0
M16X1.5	EBLS01MB	1/2"	16	9	16	27	4.0 - 12.0
M20X1.5	EBLS1MB	1/2"	20	9	16	27	4.0 - 12.0
M25X1.5	EBLS2MB	3/4"	25	9	16	33	10.0 - 18.0
M32X1.5	EBLS3MB	1"	32	9	16	43	14.0 - 24.0
M40X1.5	EBLS4MB	1 1/4"	40	9	18	52	22.0 - 32.0
M50X1.5	EBLS5MB	1 1/2"	50	9	18	60	26.0 - 35.0

NPT Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)		 (mm)	Clamping Range D1 (mm)
				Ex-e	Ex-d/e		
NPT 1/4"	EBLS02NB	1/2"	13.72	16		27	4.0 - 8.0
NPT 3/8"	EBLS01NB	1/2"	17.15	16		27	4.0 - 12.0
NPT 1/2"	EBLS1NB	1/2"	21.34	16		27	4.0 - 12.0
NPT 3/4"	EBLS2NB	3/4"	26.67	16		33	10.0 - 18.0
NPT 1"	EBLS3NB	1"	33.40	20		43	14.0 - 24.0
NPT 1 1/4"	EBLS4NB	1 1/4"	42.16	20		52	22.0 - 32.0
NPT 1 1/2"	EBLS5NB	1 1/2"	48.26	20		60	26.0 - 35.0



EXPLOSION PROOF TRIPLE SEAL LIQUID TIGHT 90° FITTINGS METRIC & NPT THREAD BRASS / S.S CONDUIT GLANDS



E-LUPUS

These fittings are used with liquid tight flexible conduits for non-armoured cables. These Conduit Glands are produced in accordance with EN 60079-0:2015.

Technical Details :

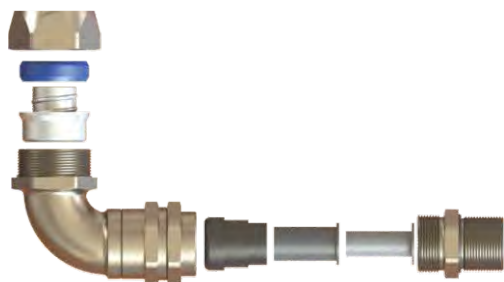
Material Body, Cap	Brass Nickel Plated (MB / NB Series) Stainless Steel 316L(MX / NX Series)	
Protection Class	IP 68 - 5 Bar, 30 Min	
Sealing Ring	Chloroprene / For Silicone add suffix S	
O Ring	Chloroprene / For Silicone add suffix S	
Ferrule	Steel zinc plated, Brass nickel plated	
Plastic Ring	Polyamide	
Temperature Range	Chloroprene	Silicone
Ex d/tb	-40° C to +80° C	-60° C to +80° C
Ex e/tb	-40° C to +80° C	-60° C to +140° C
Threads available	Metric, NPT, (Pg available on request)	
Certificate No.	IMQ 13 ATEX 018 X / IECEx IMQ 13.0006X	
Equipment Marking	EII 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22	
Approvals	  	

Metric Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)		 (mm)	Clamping Range D1 (mm)
				Ex-e	Ex-d/e		
M12X1.5	EBLN02MB	1/2"	12	9	16	27	4.0 - 8.0
M16X1.5	EBLN01MB	1/2"	16	9	16	27	4.0 - 12.0
M20X1.5	EBLN1MB	1/2"	20	9	16	27	4.0 - 12.0
M25X1.5	EBLN2MB	3/4"	25	9	16	33	10.0 - 18.0
M32X1.5	EBLN3MB	1"	32	9	16	42	14.0 - 24.0
M40X1.5	EBLN4MB	1 1/4"	40	9	18	51	22.0 - 32.0
M50X1.5	EBLN5MB	1 1/2"	50	9	18	60	26.0 - 35.0

NPT Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)	 (mm)	Clamping Range D1 (mm)
NPT 1/4"	EBLN02NB	1/2"	12	16	27	4.0 - 8.0
NPT 3/8"	EBLN01NB	1/2"	16	16	27	4.0 - 12.0
NPT 1/2"	EBLN1NB	1/2"	20	16	27	4.0 - 12.0
NPT 3/4"	EBLN2NB	3/4"	25	16	33	10.0 - 18.0
NPT 1"	EBLN3NB	1"	32	20	42	14.0 - 24.0
NPT 1 1/4"	EBLN4NB	1 1/4"	40	20	51	22.0 - 32.0
NPT 1 1/2"	EBLN5NB	1 1/2"	50	20	60	26.0 - 35.0



EXPLOSION PROOF TRIPLE SEAL LIQUID TIGHT 45° FITTINGS METRIC & NPT THREAD BRASS / S.S CONDUIT GLANDS



E-SCORPIUS

These fittings are used with liquid tight flexible conduits for non-armoured cables. These Conduit Glands are produced in accordance with EN 60079-0:2015.

Technical Details :

Material Body, Cap	Brass Nickel Plated (MB / NB Series) Stainless Steel 316L(MX / NX Series)	
Protection Class	IP 68 - 5 Bar, 30 Min	
Sealing Ring	Chloroprene / For Silicone add suffix S	
O Ring	Chloroprene / For Silicone add suffix S	
Ferrule	Steel zinc plated, Brass nickel plated	
Plastic Ring	Polyamide	
Temperature Range	Chloroprene	Silicone
Ex d/tb	-40° C to +80° C	-60° C to +80° C
Ex e/tb	-40° C to +80° C	-60° C to +140° C
Threads available	Metric, NPT, (Pg available on request)	
Certificate No.	IMQ 13 ATEX 018 X / IECEx IMQ 13.0006X	
Equipment Marking	EII 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	
Suitable for use in	Group II Gas Group IIC Zone1/Zone2 Group III Dust Group IIIC Zone21/Zone22	
Approvals	   	

Metric Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)		 (mm)	Clamping Range D1 (mm)
				Ex-e	Ex-d/e		
M12X1.5	EBLQ02M	1/2"	12	9	16	27	4.0 - 8.0
M16X1.5	EBLQ01MB	1/2"	16	9	16	27	4.0 - 12.0
M20X1.5	EBLQ1MB	1/2"	20	9	16	27	4.0 - 12.0
M25X1.5	EBLQ2MB	3/4"	25	9	16	33	10.0 - 18.0
M32X1.5	EBLQ3MB	1"	32	9	16	42	14.0 - 24.0
M40X1.5	EBLQ4MB	1 1/4"	40	9	18	51	22.0 - 32.0
M50X1.5	EBLQ5MB	1 1/2"	50	9	18	60	26.0 - 35.0

NPT Thread

Size	Cat. No.	Suitable for Conduit Size	Thread Diameter D (mm)	Thread Length L (mm)		 (mm)	Clamping Range D1 (mm)
				Ex-e	Ex-d/e		
NPT 1/4"	EBLQ02NB	1/2"	12	16		27	4.0 - 8.0
NPT 3/8"	EBLQ01NB	1/2"	16	16		27	4.0 - 12.0
NPT 1/2"	EBLQ1NB	1/2"	20	16		27	4.0 - 12.0
NPT 3/4"	EBLQ2NB	3/4"	25	16		33	10.0 - 18.0
NPT 1"	EBLQ3NB	1"	32	20		42	14.0 - 24.0
NPT 1 1/4"	EBLQ4NB	1 1/4"	40	20		51	22.0 - 32.0
NPT 1 1/2"	EBLQ5NB	1 1/2"	50	20		60	26.0 - 35.0

