



THE RIGHT PROTECTION FOR YOUR WIRES AND CABLES

The lamellar construction of CONTROLWELL Cable Glands provides a vice like grip on the cable offering true strain relief.

Available in straight, elbow, spiral & conus type of constructions, these Cable Glands are made from Polyamide, Brass and stainless steel materials to suit your varied applications.

These IP68 grade, gas and water tight Cable Glands are available with a choice of Pg, Metric & NPT threads.

International approvals like VDE, UL, CSA & CE mark further testify that we at Controlwell remain dedicated to providing your cables with **The Right Protection**.

CABLE GLANDS

THE RIGHT PROTECTION FOR
YOUR INDUSTRIAL APPLICATIONS



STANDARD POLYAMIDE CABLE GLANDS - PG THREADS



These glands are liquid tight, easy to assemble and offer good strain relief with wide clamping range. The lamellar construction of glands provide an excellent grip on the cable. Cable glands with various range of clamping are also available on request. They are manufactured according to requirement of DIN EN 62444 / 50262.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black) RAL 7035 (L.Grey)
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	CR-Chloroprene Rubber
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Attachment Thread	DIN 40430
Approvals	    

Pg Threads

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BS-01	BS-11	BS-21	12.5	8	15	3 - 6.5	100
Pg 9	BS-02	BS-12	BS-22	15.2	8	19	4 - 8	50
Pg 11	BS-03	BS-13	BS-23	18.6	8	22	5 - 10	50
Pg 13.5	BS-04	BS-14	BS-24	20.4	10	24	6 - 12	50
Pg 16	BS-05	BS-15	BS-25	22.5	10	27	10 - 14	50
Pg 21	BS-06	BS-16	BS-26	28.3	11	33	13 - 18	25
Pg 29	BS-07	BS-17	BS-27	37.0	11	42	18 - 25	20
Pg 36	BS-08	BS-18	BS-28	47.0	13	53	22 - 32	10
Pg 42	BS-09	BS-19	BS-29	54.0	13	60	30 - 38	10
Pg 48	BS-10	BS-20	BS-30	59.3	14	65	34 - 44	10

Cable Glands with Reduced Clamping Range

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BS-01R	BS-11R	BS-21R	12.5	8	15	2 - 5	100
Pg 9	BS-02R	BS-12R	BS-22R	15.2	8	19	2 - 6	50
Pg 11	BS-03R	BS-13R	BS-23R	18.6	8	22	3 - 7	50
Pg 13.5	BS-04R	BS-14R	BS-24R	20.4	9	24	5 - 9	50
Pg 16	BS-05R	BS-15R	BS-25R	22.5	10	27	7 - 12	50
Pg 21	BS-06R	BS-16R	BS-26R	28.3	11	33	9 - 16	25
Pg 29	BS-07R	BS-17R	BS-27R	37.0	11	42	12 - 20	20
Pg 36	BS-08R	BS-18R	BS-28R	47.0	13	53	20 - 26	10
Pg 42	BS-09R	BS-19R	BS-29R	54.0	13	60	25 - 31	10
Pg 48	BS-10R	BS-20R	BS-30R	59.3	14	65	29 - 35	10

STANDARD POLYAMIDE CABLE GLANDS - METRIC THREADS



These glands are liquid tight, easy to assemble and offer good strain relief with wide clamping range. The lamellar construction of glands provide an excellent grip on the cable. Cable glands with various range of clamping are also available on request. They are manufactured according to requirement of DIN EN 62444 / 50262. Mainly used in railways and industrial applications.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black)
	RAL 7035 (L.Grey)
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	CR-Chloroprene Rubber
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Attachment Thread	EN 60423
Approvals	    

Metric Thread

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BM-0S	BM-1S	BM-2S	12	8	15	3 - 6.5	50
M 12 x 1.5	BM-EN-0SL	-	-	12	15	15	3 - 6.5	50
M 16 x 1.5	BM-EN-01	BM-EN-11	BM-EN-21	16	8	19	4 - 8	50
M 16 x 1.5	BM-01	BM-11	BM-21	16	10	22	5 - 10	50
M 16 x 1.5	BM-01L	BM-11L	BM-21L	16	15	22	5 - 10	50
M 20 x 1.5	BM-02	BM-12	BM-22	20	10	24	6 - 12	50
M 20 x 1.5	BM-02L	BM-12L	BM-22L	20	15	24	6 - 12	50
M 20 x 1.5	BM-03	BM-13	BM-23	20	10	27	10 - 14	50
M 20 x 1.5	BM-04	BM-14	BM-24	20	15	27	10 - 14	50
M 25 x 1.5	BM-EN-03	BM-EN-13	BM-EN-23	25	8	29	11 - 17	25
M 25 x 1.5	BM-05	BM-15	BM-25	25	10	33	13 - 18	25
M 25 x 1.5	BM-06	BM-16	BM-26	25	15	33	13 - 18	25
M 32 x 1.5	BM-EN-04	BM-EN-14	BM-EN-24	32	10	36	15 - 21	25
M 32 x 1.5	BM-07	BM-17	BM-27	32	15	42	18 - 25	20
M 40 x 1.5	BM-EN-05	BM-EN-15	BM-EN-25	40	10	46	19 - 28	10
M 40 x 1.5	BM-08	BM-18	BM-28	40	18	53	22 - 32	10
M 50 x 1.5	BM-09	BM-19	BM-29	50	18	60	30 - 38	10
M 63 x 1.5	BM-10	BM-20	BM-30	63	18	65	34 - 44	5
M 75 x 2.0	BM-B02	BM-B12	BM-B22	75	25	75	48 - 55	5

Cable Glands with Reduced Clamping Range

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BI-0S	BI-1S	BI-2S	12	8	15	2 - 5	50
M 16 x 1.5	BI-01	BI-11	BI-21	16	10	22	3 - 7	50
M 16 x 1.5	BI-01L	BI-11L	BI-21L	16	15	22	3 - 7	50
M 20 x 1.5	BI-02	BI-12	BI-22	20	10	24	5 - 9	50
M 20 x 1.5	BI-02L	BI-12L	BI-22L	20	15	24	5 - 9	50
M 20 x 1.5	BI-03	BI-13	BI-23	20	10	27	7 - 12	50
M 20 x 1.5	BI-04	BI-14	BI-24	20	15	27	7 - 12	50
M 25 x 1.5	BI-05	BI-15	BI-25	25	10	33	9 - 16	25
M 25 x 1.5	BI-06	BI-16	BI-26	25	15	33	9 - 16	25
M 32 x 1.5	BI-07	BI-17	BI-27	32	15	42	12 - 20	20
M 40 x 1.5	BI-08	BI-18	BI-28	40	18	53	20 - 26	10
M 50 x 1.5	BI-09	BI-19	BI-29	50	18	60	25 - 31	10
M 63 x 1.5	BI-10	BI-20	BI-30	63	18	65	29 - 35	5

STANDARD POLYAMIDE CABLE GLANDS - NPT THREAD / G THREAD



These glands are liquid tight, easy to assemble and offer good strain relief with wide clamping range. The lamellar construction of glands provide an excellent grip on the cable. Cable glands with various range of clamping are also available on request. They are manufactured according to requirement of DIN EN 62444 / 50262.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black) RAL 7035 (L.Grey)
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	CR-Chloroprene Rubber
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Approvals	    DNV-GL

NPT Threads - ANSI B1.20.1

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BSPA-01	BSPA-11	BSPA-21	17.15	15	22	5 - 10	50
NPT 1/2"	BSPB-02	BSPB-12	BSPB-22	21.34	15	24	6 - 12	50
NPT 1/2"	BSPC-02	BSPC-12	BSPC-22	21.34	15	27	10 - 14	50
NPT 3/4"	BSPD-03	BSPD-13	BSPD-23	26.67	15	33	13 - 18	25
NPT 1"	BSP-04	BSP-14	BSP-24	33.40	18	42	18 - 25	20

Cable Glands with Reduced Clamping Range

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BSPA-01R	BSPA-11R	BSPA-21R	17.15	15	22	3 - 7	50
NPT 1/2"	BSPB-02R	BSPB-12R	BSPB-22R	21.34	15	24	5 - 9	50
NPT 1/2"	BSPC-02R	BSPC-12R	BSPC-22R	21.34	11	27	7 - 12	50
NPT 3/4"	BSPD-03R	BSPD-13R	BSPD-23R	26.67	15	33	9 - 16	25
NPT 1"	BSP-04R	BSP-14R	BSP-24R	33.40	18	42	12 - 20	20

G Threads - G ISO 228

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
G 1/4"	BPF-0S	BPF-1S	BPF-2S	13.16	10	15	3 - 6.5	50
G 3/8"	BPF-01	BPF-11	BPF-21	16.66	11	22	5 - 10	50
G 1/2"	BPF-02	BPF-12	BPF-22	20.96	10	24	6 - 12	50
G 1/2"	BPF-03	BPF-13	BPF-23	20.96	11	27	10 - 14	50
G 3/4"	BPF-04	BPF-14	BPF-24	26.44	12	33	13 - 18	25
G 1"	BPF-05	BPF-15	BPF-25	33.25	13	42	18 - 25	25

Cable Glands with Reduced Clamping Range

Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
G 1/4"	BPFR-0S	BPFR-1S	BPFR-2S	13.16	10	15	2 - 5	50
G 3/8"	BPFR-01	BPFR-11	BPFR-21	16.66	11	22	3 - 7	50
G 1/2"	BPFR-02	BPFR-12	BPFR-22	20.96	10	24	5 - 9	50
G 1/2"	BPFR-03	BPFR-13	BPFR-23	20.96	11	27	7 - 12	50
G 3/4"	BPFR-04	BPFR-14	BPFR-24	26.44	12	33	9 - 16	25
G 1"	BPFR-05	BPFR-15	BPFR-25	33.25	13	42	12 - 20	25

SPIRAL CABLE GLANDS



These Glands offer maximum protection against conductor fatigue caused by flexing cables. Designed for kink protection and mainly used for moving machine assemblies. They are available with reduced clamping range and long thread also.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black)
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	CR-Chloroprene
Temperature Range	-20° C to +100° C Continuous, -30° C to +150° C Intermittent
Attachment Threads	Pg - DIN 40430 Metric - EN 60423 NPT PF (Available on request)
Approvals	     

Pg Thread

Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BSSP-01	BSSP-21	12.5	8	15	3 - 6.5	50
Pg 9	BSSP-02	BSSP-22	15.2	8	19	4 - 8	50
Pg 11	BSSP-03	BSSP-23	18.6	8	22	5 - 10	50
Pg 13.5	BSSP-04	BSSP-24	20.4	10	24	6 - 12	50
Pg 16	BSSP-05	BSSP-25	22.5	10	27	10 - 14	50
Pg 21	BSSP-06	BSSP-26	28.3	11	33	13 - 18	25

Metric Thread

Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BMSP-0S	BMSP-2S	12	8	15	3 - 6.5	50
M 16 x 1.5	BMSP-01	BMSP-21	16	10	22	5 - 10	50
M 20 x 1.5	BMSP-02	BMSP-22	20	10	24	6 - 12	50
M 20 x 1.5	BMSP-03	BMSP-23	20	10	27	10 - 14	50
M 25 x 1.5	BMSP-05	BMSP-25	25	10	33	13 - 18	50

NPT Thread

Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BNSPA-01	BNSPA-21	17.15	15	22	5 - 10	50
NPT 1/2"	BNSPB-02	BNSPB-22	21.34	15	24	6 - 12	50
NPT 1/2"	BNSPC-02	BNSPC-22	21.34	15	27	10 - 14	50
NPT 3/4"	BNSPD-03	BNSPD-23	26.67	15	33	13 - 18	50

ELBOW CABLE GLANDS



These Glands are liquid tight, offer good strain relief with wide clamping range. These Glands are used where cables have to run parallel to the housing wall (i.e. 90° application). They are available with reduced clamping range.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 9005 (Black)
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	Chloroprene
Temperature Range	-20° C to +80° C Continuous, -30° C to +150° C Intermittent
Attachment Threads	Pg - DIN 40430

Size	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	EG-21	12.5	8	19	4 - 8	50
Pg 9	EG-22	15.2	7	19	4 - 8	50

CONUS CABLE GLANDS



These economical screw type glands are used for securing round cables in normal applications. They are also available for securing flat cables on request.

Technical Details :

Material	Polyamide 6
Colour	RAL 7035 (Light Grey)
Protection Class	IP 54
Sealing Ring	TPE
Pressure Washer	Poly Propylene (PP) for round cable
Pressure Washer	Steel for flat cable
Temperature Range	-20° C to +80° C Continuous +150° C Intermittent
Threads available	Pg - DIN 40430

Size	Cat. No. Round Cables	Cat. No. Flat Cables	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm) Round Cables	Size of Flat Cables (mm)	Standard Pack (pieces)
Pg 21	BD-16	BDF-16	28.3	11	33	14 - 18	10 x 3.2	50
Pg 29	BD-17	BDF-17	37	11	42	18 - 25	15 x 4.4	25
Pg 36	BD-18	BDF-18	47	13	53	25 - 32	25 x 4.6	20

STANDARD BRASS CABLE GLANDS - PG & NPT THREADS



These metallic glands are liquid tight, offer excellent strain relief and have lameller designed plastic inserts for protection against distortion. These glands are suitable for use in machinery and equipment, measuring and controlling devices, medical equipments and many other fields where exceptional stability and safe functioning is required. Cable glands with long thread length or reduced clamping range are also available on request. Cable gland can be produced for high temperature (300°C) with silicone sealing and reduced sealing ring.

Technical Details :

Material	Brass, Nickel Plated
Flammability	UL 94 V2
Clamping Insert	Polyamide 6
Protection Class	IP 68-5 Bar, 30 min.
Sealing Ring	CR-Chloroprene Rubber / Silicone
O Ring	Perbunan (NBR) / Silicone
Temperature Range	-20°C to +100°C Continuous, -40°C to +150°C Intermittent
Attachment Threads	Pg-DIN 40430 / NPT-ANSI B 1.20.1
Approvals	  

Pg Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌀ (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BSBC-01	12.5	6	14	3 - 6.5	50
Pg 9	BSBC-02	15.2	6	17	4 - 8	50
Pg 11	BSBC-03	18.6	6	20	5 - 10	50
Pg 13.5	BSBC-04	20.4	6.5	22	6 - 12	25
Pg 16	BSBC-05	22.5	6.5	24	10 - 14	25
Pg 21	BSBC-06	28.3	7.2	30	13 - 18	20
Pg 29	BSBC-07	37.0	8	40	18 - 25	15
Pg 36	BSBC-08	47.0	9	50	22 - 32	12
Pg 42	BSBC-09	54.0	12	58	30 - 38	12
Pg 48	BSBC-10	59.3	14	64	34 - 44	12

Pg Long Thread Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌀ (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BSBE-01	12.5	10	14	3 - 6.5	50
Pg 9	BSBE-02	15.2	10	17	4 - 8	50
Pg 11	BSBE-03	18.6	10	20	5 - 10	50
Pg 13.5	BSBE-04	20.4	10	22	6 - 12	50
Pg 16	BSBE-05	22.5	10	24	10 - 14	25
Pg 21	BSBE-06	28.3	12	30	13 - 18	25
Pg 29	BSBE-07	37.0	12	40	18 - 25	20
Pg 36	BSBE-08	47.0	14	50	22 - 32	15
Pg 42	BSBE-09	54.0	16	58	30 - 38	12
Pg 48	BSBE-10	59.3	18	64	34 - 44	12

NPT Thread

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌀ (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BNBC-01	17.15	11.5	17	4 - 8	50
NPT 3/8"	BNBC-01S	17.15	11.5	20	5 - 10	50
NPT 1/2"	BNBC-02	21.34	13	22	6 - 12	50
NPT 1/2"	BNBC-02S	21.34	13	24	10 - 14	50
NPT 3/4"	BNBC-03	26.67	13	30	13 - 18	25
NPT 1"	BNBC-04	33.40	13	40	18 - 25	10
NPT 1 1/4"	BNBC-05	42.16	25.6	50	22 - 32	10
NPT 1 1/2"	BNBC-06	48.26	26	58	30 - 38	10
NPT 2"	BNBC-07	60.33	27	64	34 - 44	10

STANDARD BRASS CABLE GLANDS - METRIC THREADS



These metallic glands are liquid tight, offer excellent strain relief and have lameller designed plastic inserts for protection against distortion. These glands are suitable for use in machinery and equipment, measuring and controlling devices, medical equipments and many other fields where exceptional stability and safe functioning is required. Cable glands with long thread length or reduced clamping range are also available on request. Cable gland can be produced for high temperature (300° C) with silicone sealing and reduced clamping range.

Technical Details :

Material	Brass, Nickel Plated
Flammability	UL 94 V2
Clamping Insert	Polyamide 6
Protection Class	IP 68-5 Bar, 30 min.
Sealing Ring	CR-Chloroprene Rubber
O Ring	Perbunan (NBR) / Silicone
Temperature Range	-20° C to +100° C Continuous, -40° C to +150° C Intermittent
Attachment Threads	EN 60423
Approvals	  

Metric Thread

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BMBC-0S	12	6	14	3 - 6.5	50
M 16 x 1.5	BMBC-01	16	7	17	4 - 8	50
M 16 x 1.5	BMBC-E1	16	7	20	5 - 10	50
M 20 x 1.5	BMBC-02S	20	8	24	10 - 14	50
M 20 x 1.5	BMBC-02	20	8	22	6 - 12	50
M 25 x 1.5	BMBC-03	25	8	24	10 - 14	25
M 25 x 1.5	BMBC-03S	25	8	30	13 - 18	25
M 25 x 1.5	BMBC-E3	25	8	27	11 - 17	25
M 32 x 1.5	BMBC-04	32	9	30	13 - 18	25
M 32 x 1.5	BMBC-04S	32	9	40	18 - 25	25
M 32 x 1.5	BMBC-E4	32	8	34	15 - 21	25
M 32 x 1.5	BMBD-04S	32	9	40	12 - 20	50
M 40 x 1.5	BMBC-05	40	9	40	18 - 25	20
M 40 X 1.5	BMBC-05S	40	9	50	22 - 32	20
M 40 x 1.5	BMBC-E5	40	9	43	19 - 28	20
M 50 x 1.5	BMBC-06	50	9	50	22 - 32	15
M 50 x 1.5	BMBC-06S	50	9	64	34 - 44	10
M 50 x 1.5	BMBC-E6	50	9	58	27 - 38	12
M 63 x 1.5	BMBC-07	63	14	64	34 - 44	12
M 63 x 1.5	BMBC-07S	63	10	75	37 - 53	10

Metric Long Thread Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BMBE-0S	12	12	14	3 - 6.5	50
M 16 x 1.5	BMBE-01	16	12	18	4 - 8	50
M 16 x 1.5	BMBE-01S	16	12	20	5 - 10	50
M 20 x 1.5	BMBE-02	20	12	22	6 - 12	50
M 25 x 1.5	BMBE-03	25	12	24	10 - 14	25
M 25 x 1.5	BMBE-E3	25	12	27	11 - 17	25
M 32 x 1.5	BMBE-04	32	15	30	13 - 18	25
M 32 x 1.5	BMBE-E4	32	15	34	15 - 21	25
M 32 x 1.5	BMBE-04S	32	15	40	18 - 25	25
M 32 x 1.5	BMBE-04SR	32	15	40	12 - 20	25
M 40 x 1.5	BMBE-05	40	15	40	18 - 25	20
M 40 x 1.5	BMBE-05S	40	15	50	22 - 32	20
M 40 x 1.5	BMBE-E5	40	15	43	19 - 28	20
M 50 x 1.5	BMBE-06	50	15	50	22 - 32	15
M 50 x 1.5	BMBE-E6	50	15	58	27 - 38	10
M 63 x 1.5	BMBE-07	63	18	64	34 - 44	12
M 63 x 1.5	BMBE-07S	63	18	75	37 - 53	10

DOUBLE SEAL & COMPRESSION TYPE CABLE GLANDS - PG & METRIC THREADS



These metallic glands are liquid tight, offer excellent strain relief. They are suitable for use in machinery and medical equipments measuring and controlling devices where exceptional devices stability and safe functioning is required. These cable glands are constructed with double seal thus providing wide clamping range. Cable gland can be produced for high temperature (300°C) with silicone sealing.

Technical Details :

Material	Brass, Nickel Plated
Flammability	UL 94 V2
Clamping Insert	Polyamide 6
Protection Class	IP 68-5 Bar, 30 min.
Sealing Ring	CR-Chloroprene Rubber (Double Seal)
Sealing Ring	NBR (Compression Type)
O Ring	Perbunan (NBR) / Silicone
Temperature Range	-20°C to +100°C Continuous, -40°C to +150°C Intermittent
Attachment Threads	Pg-DIN 40430 / Metric - EN 60423
Approvals	  

Pg Double Seal Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Outer Seal Clamping Range (mm)	Double Seal Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BDSP-01	12.5	6	14	4 - 7	-	50
Pg 9	BDSP-02	15.2	6	18	6 - 10	4 - 6	50
Pg 11	BDSP-03	18.6	6	22	7 - 10	4.5 - 7	50
Pg 13.5	BDSP-04	20.4	6	24	10 - 15	8 - 10	50
Pg 16	BDSP-05	22.5	6	24	10 - 15	8 - 10	25
Pg 21	BDSP-06	28.3	7.6	32	13 - 20	10 - 13	25
Pg 29	BDSP-07	37.0	8	40	21.5 - 28	19 - 21.5	20
Pg 36	BDSP-08	47.0	8	50	30 - 35	26 - 30	15
Pg 42	BDSP-09	54.0	10	58	39 - 44.5	35 - 39	12
Pg 48	BDSP-10	59.3	11	64	40 - 48	37 - 40	12

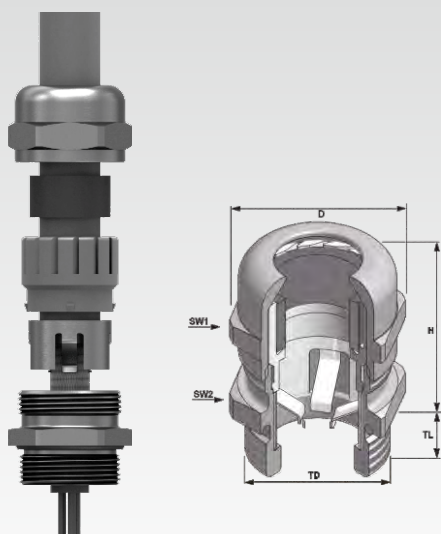
Metric Double Seal Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Outer Seal Clamping Range (mm)	Double Seal Clamping Range (mm)	Standard Pack (pieces)
M 12 x 1.5	BDSM-0S	12	6	14	4 - 6	-	50
M 16 x 1.5	BDSM-01	16	5.1	18	6.5 - 9	4 - 6	50
M 20 x 1.5	BDSM-02	20	6	22	7 - 12	4.5 - 7	50
M 25 x 1.5	BDSM-03	25	7	28	14 - 17.5	10 - 13	25
M 32 x 1.5	BDSM-04	32	8	35	19 - 23.5	14.5 - 18	25
M 40 x 1.5	BDSM-05	40	8	43	23.5 - 27	16.5 - 23.5	20

Metric Compression Type Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
M 63 x 1.5	BDSM-07	63	16	70	50 - 56	5
M 72 x 2	BDSM-08	72	16	77	56 - 62	4
M 75 x 2	BDSM-09	75	16	90	56 - 64	4
M 80 x 2	BDSM-10	80	18	90	60 - 67	2
M 80 x 2	BDSM-10R	80	18	90	50 - 56	2
M 85 x 2	BDSM-11	85	22	95	68 - 77	2
M 85 x 2	BDSM-11R	85	22	95	63 - 70	2
M 90 x 2	BDSM-12	90	22	95	68 - 77	2
M 110 x 2	BDSM-13	110	25	120	60 - 82	2

EMC BRASS CABLE GLANDS - PG THREAD - 2ND GENERATION



EMC cable glands are used in applications which require use of shielded cables for electromagnetic protection. These glands help in maintaining the electromagnetic integrity of the shielded cable by means of contacts placed inside the body of the gland, which come in contact with the shield of the insulation stripped cable which is passed through the gland.

The 2nd generation EMC cable glands have contact leaves fixed to the gland body in such a manner that when the cable is made to enter the gland they allow for an easy entry by opening up with the push force of the cable. Once the cable is in position the spring action of the contact leaves ensures that a proper contact is made with the braiding ensuring that integrity of the electromagnetic shielding is maintained. Available in Pg, Metric & NPT threads.

Technical Details :

Material	Brass, Nickel Plated
Clamping Insert	Polyamide 6 UL94 V2
Contact Spring	Special Copper Alloy
Sealing Ring	CR-Chloroprene Rubber
O Ring	Perbunan (NBR)
Protection Class	IP 68-5 Bar, 30 min
Oper. Temperature	-20°C to +100°C Continuous -40°C to +150°C Intermittant
Attachment Threads	DIN 40430
Approvals	  

Pg Thread - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	Wrench (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
Pg 7	BSEM-01	12.5	6.0	14	3 - 6.5	2.5 - 4.5	50
Pg 9	BSEM-02	15.2	6.0	17	4 - 8	3.5 - 6.0	50
Pg 11	BSEM-03	18.6	6.0	20	5 - 10	4.0 - 8.0	50
Pg 13.5	BSEM-04	20.4	6.5	22	6 - 12	5.0 - 10.0	50
Pg 16	BSEM-05	22.5	6.5	24	10 - 14	8.5 - 11.5	25
Pg 21	BSEM-06	28.3	7.2	30	13 - 18	11.0 - 14.0	25
Pg 29	BSEM-07	37	8.0	40	18 - 25	16.0 - 20.0	20
Pg 36	BSEM-08	47	9.0	50	22 - 32	20.0 - 27.0	15
Pg 42	BSEM-09	54	12.0	58	30 - 38	28.0 - 34.0	12
Pg 48	BSEM-10	59.3	14.0	64	34 - 44	31.0 - 40.0	12

Pg Long Thread Cable Gland - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	Wrench (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
Pg 7	BSEN-01	12.5	10.0	14	3 - 6.5	2.5 - 4.5	50
Pg 9	BSEN-02	15.2	10.0	17	4 - 8	3.5 - 6.0	50
Pg 11	BSEN-03	18.6	10.0	20	5 - 10	4.0 - 8.0	50
Pg 13.5	BSEN-04	20.4	10.0	22	6 - 12	5.0 - 10.0	50
Pg 16	BSEN-05	22.5	10.0	24	10 - 14	8.5 - 11.5	25
Pg 21	BSEN-06	28.3	12.0	30	13 - 18	11.0 - 14.0	25
Pg 29	BSEN-07	37	12.0	40	18 - 25	16.0 - 20.0	20
Pg 36	BSEN-08	47	14.0	50	22 - 32	20.0 - 27.0	15
Pg 42	BSEN-09	54	16.0	58	30 - 38	28.0 - 34.0	12
Pg 48	BSEN-10	59.3	18.0	64	34 - 44	31.0 - 40.0	12

EMC BRASS CABLE GLANDS - METRIC & NPT THREAD - 2ND GENERATION

Metric Thread - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
M12 x 1.5	BMEM-0S	12	6	14	3 - 6.5	2.5 - 4.5	50
M16 x 1.5	BMEM-01	16	7	17	4 - 8	3.5 - 6.0	50
M16 x 1.5	BMEM-01S	16	6.5	20	5 - 10	4.0 - 8.0	50
M20 x 1.5	BMEM-02	20	8	22	6 - 12	5.0 - 10.0	50
M25 x 1.5	BMEM-03	25	8	24	10 - 14	8.5 - 11.5	25
M25 x 1.5	BMEM-03S	25	8	30	13 - 18	11.0 - 14.0	25
M32 x 1.5	BMEM-04	32	9	30	13 - 18	11.0 - 14.0	25
M32 x 1.5	BMEM-04S	32	9	40	18 - 25	16.0 - 20.0	25
M40 x 1.5	BMEM-05	40	9	40	18 - 25	16.0 - 20.0	20
M40 x 1.5	BMEM-05S	40	9	50	22 - 32	20.0 - 27.0	20
M50 x 1.5	BMEM-06	50	9	50	22 - 32	20.0 - 27.0	15
M63 x 1.5	BMEM-07	63	14	64	34 - 44	31.0 - 40.0	12
M75 x 1.5	BMEM-09	75	20	90	53 - 64	45.0 - 60.0	12

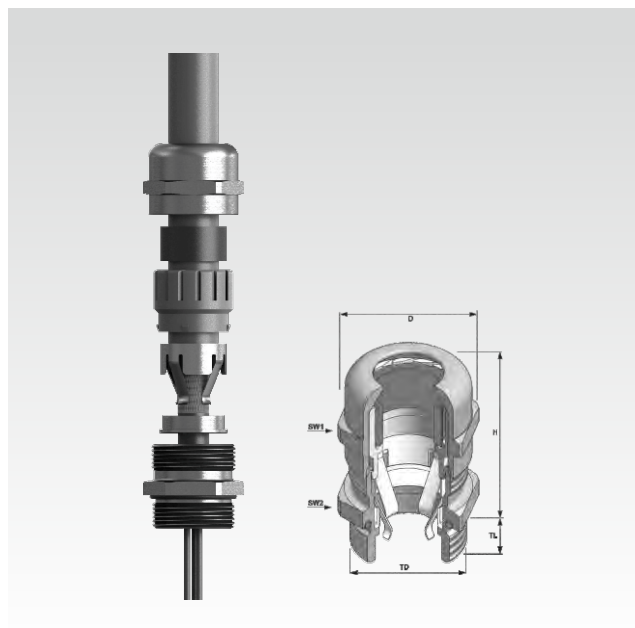
Metric Long Thread Cable Gland - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
M12 x 1.5	BMEN-0S	12	12.0	14	3 - 6.5	2.5 - 4.5	50
M16 x 1.5	BMEN-01	16	12.0	17	4 - 8	3.5 - 6.0	50
M20 x 1.5	BMEN-02	20	12.0	22	6 - 12	5.0 - 10.0	50
M25 x 1.5	BMEN-03	25	12.0	24	10 - 14	8.5 - 11.5	25
M32 x 1.5	BMEN-04	32	15.0	30	13 - 18	11.0 - 14.0	25
M40 x 1.5	BMEN-05	40	15.0	40	18 - 25	16.0 - 20.0	20
M50 x 1.5	BMEN-06	50	15.0	50	22 - 32	20.0 - 27.0	15
M63 x 1.5	BMEN-07	63	18.0	64	34 - 44	31.0 - 40.0	12

NPT Thread - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Shield Diameter (mm)	Standard Pack (pieces)
NPT 3/8"	BNEM-01	17.15	11.5	20	5 - 10	25
NPT 1/2"	BNEM-02	21.34	13.0	22	6 - 12	25
NPT 3/4"	BNEM-03	26.67	13.0	30	13 - 18	25
NPT 1"	BNEM-04	33.40	13.0	40	18 - 25	25

EMC BRASS CABLE GLANDS - METRIC THREAD - 3RD GENERATION



The 3rd generation EMC cable glands offer an advantage that as the gland is tightened the contact force exerted on the braided portion of the cable also increases, this leads to a lower contact resistance. Also the wider gap between the contact leaves allows for an easier insertion and removal of the cable.

Technical Details :

Material	Brass, Nickel Plated
Clamping Insert	Polyamide 6 V2
Contact Spring	Special Copper Alloy
Sealing Ring	CR-Chloroprene Rubber
O Ring	Perbunan (NBR)
Protection Class	IP 68-5 Bar, 30 min
Oper. Temperature	-20°C to +100°C Continuous -40°C to +150°C Intermittant
Attachment Threads	EN 60423
Approvals	  DNV-GL

Metric Thread - 3rd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
M12 x 1.5	BMEM-ES	12	6	14	3 - 6.5	2.5 - 4.5	50
M16 x 1.5	BMEM-E1	16	7	20	5 - 10	4.0 - 8.0	50
M20 x 1.5	BMEM-E2	20	8	22	6 - 12	5.0 - 10.0	50
M25 x 1.5	BMEM-E3	25	8	27	11 - 17	9.5 - 15.0	25
M32 x 1.5	BMEM-E4	32	8	34	15 - 21	13.5 - 19.0	25
M40 x 1.5	BMEM-E5	40	9	43	19 - 28	17.0 - 25.0	20
M50 x 1.5	BMEM-E6	50	9	58	27 - 38	25.0 - 32.0	12
M63 x 1.5	BMEM-E7	63	14	68	34 - 44	31.0 - 41.0	12

EMC BRASS CABLE GLANDS - 4TH GENERATION



The 4th generation EMC cable glands offer bigger opening for the cable to enter between the contact leaves and also the lowest contact resistance on account of the large contact surface and superior contact force. In these glands also, as the gland is tightened the contact leaves exert a higher contact force ensuring a positive contact with the shield of the cable.

Technical Details :

Material	Brass, Nickel Plated
Clamping Insert	Polyamide 6 V2
Contact Spring	Special Copper Alloy
Sealing Ring	Chloroprene
O Ring	Perbunan (NBR)
Protection Class	IP 68-5 Bar, 30 min
Oper. Temperature	-20°C to +100°C -40°C to +150°C Intermittant
Threads available	Pg - DIN 40430, Metric - EN 60423 NPT - ANSI B 1.20.1
Approvals	  

Pg Thread - 4th Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
Pg 7	BSEM-E1(PG7T)	12.5	6.0	14	3 - 6.5	2 - 5	50
Pg 11	BSEM-E3(PG11T)	18.6	6.0	20	5 - 10	3.5 - 8	50
Pg 13.5	BSEM-E4(PG13.5T)	20.4	6.5	22	6 - 12	4.5 - 10	50
Pg 16	BSEM-E5(PG16T)	22.5	6.5	24	7.5 - 14	5.5 - 11.5	25
Pg 21	BSEM-E6(PG21T)	28.3	7.0	30	10 - 18	7 - 14	25
Pg 29	BSEM-E7(PG29T)	37.0	9.0	40	16 - 25	12 - 20	25
Pg 36	BSEM-E8(PG36T)	47.0	9.0	50	22 - 32	18 - 27	20
Pg 42	BSEM-E9(PG42T)	54.0	12.0	58	30 - 38	26 - 34	10
Pg 48	BSEM-E10(PG48T)	59.3	14.0	64	34 - 44	30 - 40	5

Metric Thread - 4th Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
M12 x 1.5	BMEM-ES(M12T)	12	6	14	3 - 6.5	2 - 5	50
M16 x 1.5	BMEM-E1(M16T)	16	6	20	5 - 10	3.5 - 8	50
M20 x 1.5	BMEM-E2S(M20T)	20	6	22	6 - 12	4.5 - 10	50
M20 x 1.5	BMEM-E2(M20T)	20	8	24	7.5 - 14	5.5 - 11.5	50
M25 x 1.5	BMEM-E3(M25T)	25	8	30	10 - 18	7 - 14	25
M32 x 1.5	BMEM-E4(M32T)	32	9	40	16 - 25	12 - 20	25
M40 x 1.5	BMEM-E5(M40T)	40	9	50	22 - 32	18 - 27	20
M50 x 1.5	BMEM-E6(M50T)	50	9	58	32 - 38	26 - 34	10
M63 x 1.5	BMEM-E7(M63T)	63	14	64	34 - 44	30 - 40	5
M63 x 1.5	BMEM-E7L(M63T)	63	10	75	37 - 53	33 - 49	2

NPT Thread - 4th Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
NPT 1/4"	BNEM-ES(NPT1/4"T)	13.72	11.5	14	3 - 6.5	2 - 5	50
NPT 3/8"	BNEM-E1(NPT3/8"T)	17.15	11.5	20	5 - 10	3.5 - 8	50
NPT 1/2"	BNEM-E2S(NPT1/2"T)	21.34	15	22	6 - 12	4.5 - 10	50
NPT 1/2"	BNEM-E2(NPT1/2"T)	21.34	15	24	7.5 - 14	5.5 - 11.5	50
NPT 3/4"	BNEM-E3(NPT3/4"T)	26.67	15	30	10 - 18	7 - 14	25
NPT 1"	BNEM-E4(NPT1"T)	33.4	20	40	16 - 25	12 - 20	25
NPT 1 1/4"	BNEM-E5(NPT1 1/4"T)	42.16	20	50	22 - 32	18 - 27	20
NPT 1 1/2"	BNEM-E6(NPT1 1/2"T)	48.26	22	58	32 - 38	26 - 34	10
NPT 2"	BNEM-E7(NPT2"T)	60.33	22	64	34 - 44	30 - 40	5

STANDARD STAINLESS STEEL GLANDS



These stainless steel glands are liquid tight, offer excellent strain relief and have lameller designed plastic inserts for protection against distortion. These glands are suitable for use in tunnel lighting and chemical industry where high mechanical and chemical resistance is required. Available with reduced clamping range and wide clamping range also with long thread.

Technical Details :

Material	Stainless Steel (AISI 303)
	St. Steel (AISI 316L) On Request
Clamping Insert	Polyamide 6 UL94 V2
Protection Class	IP 68-5 Bar, 30 min
Sealing Ring	Chloroprene / Silicone
O Ring	Perbunan (NBR) / Silicone
Oper. Temperature	-20°C to +100°C -40°C to +300°C Intermittent
Threads available	Pg - DIN 40430 Metric - EN 60423 NPT - EN 60423
Approvals	  

Pg Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BSSC-01	12.5	6	14	3 - 6.5	50
Pg 9	BSSC-02	15.2	6	17	4 - 8	50
Pg 11	BSSC-03	18.6	6	22	5 - 10	50
Pg 13.5	BSSC-04	20.4	6.5	22	6 - 12	50
Pg 16	BSSC-05	22.5	6.5	24	10 - 14	25
Pg 21	BSSC-06	28.3	7.2	30	13 - 18	25
Pg 29	BSSC-07	37.0	8	41	18 - 25	20
Pg 36	BSSC-08	47.0	9	50	22 - 32	15
Pg 42	BSSC-09	54.0	12	60	30 - 38	12
Pg 48	BSSC-10	59.3	14	65	34 - 44	12

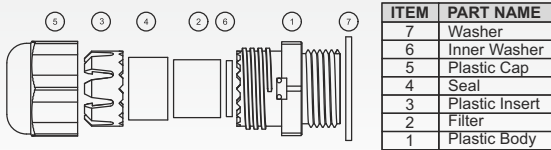
Metric Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
M12 x 1.5	BMSC-0S	12	6	14	3 - 6.5	50
M16 x 1.5	BMSC-01	16	7	17	4 - 8	50
M20 x 1.5	BMSC-02	20	8	22	6 - 12	50
M25 x 1.5	BMSC-03	25	8	24	10 - 14	25
M25 x 1.5	BMSC-03S	25	8	24	13 - 18	25
M32 x 1.5	BMSC-04	32	9	30	13 - 18	25
M40 x 1.5	BMSC-05	40	9	41	18 - 25	20
M50 x 1.5	BMSC-06	50	9	50	22 - 32	15
M63 x 1.5	BMSC-07	63	14	65	34 - 44	12

NPT Thread

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	⌘ (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BNSD-01S	17.15	11.5	22	3 - 7	50
NPT 3/8"	BNSC-01	17.15	11.5	17	4 - 8	50
NPT 1/2"	BNSC-02	21.34	13.0	22	6 - 12	50
NPT 1/2"	BNSC-02S	21.34	13.0	24	10 - 14	50
NPT 3/4"	BNSC-03	26.67	13.0	30	13 - 18	25
NPT 1"	BNSC-04	33.40	13.0	41	18 - 25	25
NPT 1 1/4"	BNSC-05	42.16	25.6	50	22 - 32	20
NPT 1 1/2"	BNSC-06	48.26	26.0	60	32 - 38	10
NPT 2"	BNSC-07	60.33	27.0	65	34 - 44	5

VENTILATION GLANDS



Ventilation Glands combine the advantages of cable glands with that of ventilation plugs. That is while allowing for true strain relief like cable glands these also act as pressure equalizing devices like ventilation plugs. 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).

These glands offer higher strain and torsion relief at lower cap nut tightening torque and have lower heights than standard cable glands. They are manufactured according to requirement of DIN EN 62444 / 50262.

Technical Details :

Material	Polyamide 6 Brass Nickel Plated
Colour	RAL 7035 (Light Grey) RAL 9005 (Black)
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Protection Class	IP 67
Vent Membrane	PTFE
Seal	Cloroprene
Washer	Nitrile / NBR
Approvals	

Ventilation Gland in Polyamide - Pg Thread

Size	Cat. No. Light Grey	Cat. No. Black	Thread Diameter D (mm)	Thread Length L (mm)	Claming Range (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar
Pg 9	BSVG-12	BSVG-22	15.2	8	4 - 7	25	0.1
Pg 11	BSVG-13	BSVG-23	18.6	8	4 - 7	25	0.1
Pg 13.5	BSVG-14	BSVG-24	20.4	9	6 - 11	40	0.1

Ventilation Gland in Polyamide - Metric Thread

Size	Cat. No. Light Grey	Cat. No. Black	Thread Diameter D (mm)	Thread Length L (mm)	Claming Range (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar
M 12 x 1.5	BMVG-1S	BMVG-2S	12	8	4 - 7	25	0.1
M 16 x 1.5	BMVG-11	BMVG-21	16	10	4 - 7	25	0.1
M 20 x 1.5	BMVG-12	BMVG-22	20	10	6 - 11	40	0.1

Ventilation Gland in Brass - Pg Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	Claming Range (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar
Pg 7	BSBCVG-01	12.5	8	4 - 7	25	0.1
Pg 9	BSBCVG-02	15.2	8	4 - 7	25	0.1
Pg 11	BSBCVG-03	18.5	8	5 - 9	35	0.1
Pg 13.5	BSBCVG-04	20.4	9	6 - 11	50	0.1

Ventilation Gland in Brass - Metric Thread

Size	Cat. No.	Thread Diameter D (mm)	Thread Length L (mm)	Claming Range (mm)	Air Permeability lt/hour	Water Intrusion Pressure Bar
M 12 x 1.5	BMBCVG-0S	12	8	4 - 7	25	0.1
M 16 x 1.5	BMBCVG-01	16	8	4 - 7	25	0.1
M 16 x 1.5	BMBCVG-01L	16	8	5 - 9	35	0.1
M 20 x 1.5	BMBCVG-02	20	8	6 - 11	50	0.1

CORROSION PROOF DOUBLE COMPRESSION CABLE GLAND



These glands with hybrid structure (Brass & Polyamide) eliminates the need of a shroud for protection against corrosive environment.

They offer High-quality strain relief and reliable sealing performance for standard industrial applications.

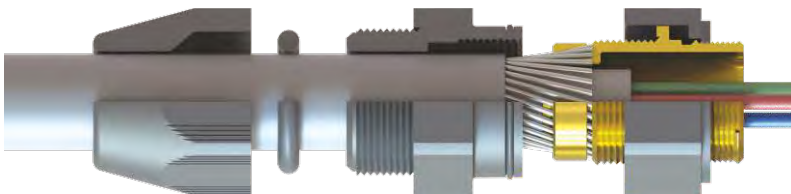
These glands offer Armour earth continuity because of the metal armor ring and body.

They are manufactured according to DIN EN 62444/50262 standard.

Technical Details :

Material	Body & Cap - Polyamide 6 Inner Part - Brass
Sealing Ring	NBR
O Ring	NBR
Flammability	V0 according to UL94
Protection Class	IP66 / IP68
Temperature Range	-20°C to +80°C Continuous -40°C to +150°C Intermittent
Thread Type	Metric (M) ISO Pitch 1.5
Application	SWA & AWA Cable
Approvals	

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Inner Sheath Ø max mm	Outer Sheath Ø min-max mm
M20x1.5	BCW-21	20	17	27	12	8.0 - 12.0
M20x1.5	BCW-22	20	17	27	12	10.5 - 16.0
M20x1.5	BCW-23	20	17	32	16	15.5 - 21.0
M25x1.5	BCW-25	25	17	41	21	20.5 - 27.5
M32x1.5	BCW-27	32	17	50	28	27.0 - 35.0
M40x1.5	BCW-29	40	22	58	32	33.0 - 41.0
M50x1.5	BCW-30	50	22	72	44	37.0 - 47.0
M50x1.5	BCW-31	50	22	72	44	45.0 - 53.0
M63x1.5	BCW-32	63	22	85	56	50.0 - 60.0
M63x1.5	BCW-33	63	22	85	56	58.0 - 66.0



HIGH PROTECTION CLASS GROMMETS - RUTASEAL



Rutaseal are special grommets which are simple to use and require no tools for installation. They differ from conventional grommets as they provide IP 67 protection. They can be installed from either side of the panel depending upon application without any need for installation of lock nuts from the other side as in conventional cable glands. With these grommets necessity of blind stops is removed as in these grommets the opening is always sealed until the membrane is pushed out by the cable. These are suitable for enclosures with wall thickness from 0.5 to 4.0 mm. They are halogen free, weather proof & resistant to chemicals.

Technical Details :

Material	EPDM
Colour	Grey (RAL 7001) Black (RAL 9005) Light Grey (RAL 7035 - on request)
Temperature Range	-40° C to +110° C
Testing Standard	SEMKO Report 1301727/1009414
Protection Class	IP67 acc. to EN 60529

Pg Size

Size	Cat. No. Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	TRG P07G	TRG P07B	13	3 - 5	50
Pg 9	TRG P09G	TRG P09B	16	5 - 7	50
Pg 11	TRG P11G	TRG P11B	19	7 - 10	50
Pg 16	TRG P16G	TRG P16B	23	10 - 14	50
Pg 21	TRG P21G	TRG P21B	29	14 - 20	25
Pg 29	TRG P29G	TRG P29B	38	20 - 26	25
Pg 36	TRG P36G	TRG P36B	48	26 - 35	10

Metric

Size	Cat. No. Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
M12 x 1.5	TRG M12G	TRG M12B	12.5	4 - 7	50
M16 x 1.5	TRG M16G	TRG M16B	16.5	5 - 9	50
M20 x 1.5	TRG M20G	TRG M20B	20.5	8 - 13	50
M25 x 1.5	TRG M25G	TRG M25B	25.5	11 - 17	50
M32 x 1.5	TRG M32G	TRG M32B	32.5	15 - 20	25
M40 x 1.5	TRG M40G	TRG M40B	40.5	19 - 28	25
M50 x 1.5	TRG M50G	TRG M50B	50.5	27 - 35	10
M63 x 1.5	TRG M63G	TRG M63B	63.5	34 - 45	5



Push the grommet into the hole



Pierce the grommet with the cable



The grommet is then locked in position by pulling it back.

HIGH PROTECTION CLASS GROMMETS - SIMPLE SEAL & MULTI SEAL



Simple Seal and Multi Seal are special grommets with single hole and multi hole which are simple to use and require no tools for installation. They have wide clamping range. They differ from conventional grommets as they provide IP 67 protection. They can be installed from one side of the panel without any need for installation of lock nuts from the other side as in conventional cable glands. With these grommets necessity of blind stops is removed as in these grommets the opening is always sealed until the membrane is pushed out by the cable. These are suitable for enclosures with wall thickness from 0.5 to 4.5 mm. They are halogen free, weather proof & resistant to chemicals.

They can be used with cables passing through at an angle since they are equipped with sock that closes tightly around the cable and cable can be moved around like joy stick.

Technical Details :

Material	Thermo Plastic Elastomer
Colour	Black (RAL 9005) Light Grey (RAL 7035)
Temperature Range	-50° C to +125° C
Protection Class	IP 67 acc. to EN 60529

Simple Seal - Pg Size

Size	Cat. No. Light Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 9	TSS P09LG	TSS P09B	16	5-10	50
Pg 11	TSS P11LG	TSS P11B	19	6-12	50
Pg 16	TSS P16LG	TSS P16B	23	8-15	50
Pg 21	TSS P21LG	TSS P21B	29	10-20	25
Pg 29	TSS P299LG	TSS P299B	38	18-27	25

Simple Seal - Metric Size

Size	Cat. No. Light Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
M16 x 1.5	TSS M16LG	TSS M16B	16.5	5-10	50
M20 x 1.5	TSS M20LG	TSS M20B	20.5	6-13	50
M25 x 1.5	TSS M25LG	TSS M25B	25.5	8-17	50
M32 x 1.5	TSS M32LG	TSS M32B	32.5	12-24	25
M40 x 1.5	TSS M40LG	TSS M40B	40.5	19-30	25

Multi Seal - Pg & Metric Size

Size	Cat. No. Light Grey	Cat. No. Black	Panel Cutout (A) Diameter (mm)	No. of Holes & Clamping Range (mm)	Standard Pack (pieces)
M20 x 1.5	TSS M20LGM	TSS M20BM	20.5	3 X 4-7	50
M25 x 1.5	TSS M25LGM	TSS M25BM	25.5	3 X 4-9	50
PG 11	TSS P11LGM	TSS P11BM	19	3 X 4-6	50
PG 16	TSS P16LGM	TSS P16BM	23	3 X 4-8	50



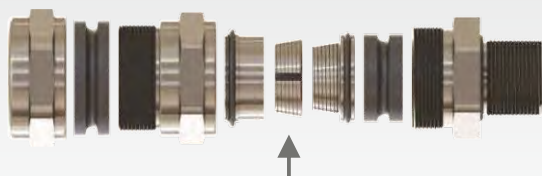
Push the grommet into the hole



Pierce the grommet with the cable



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 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.

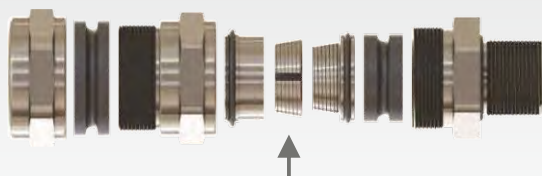
Technical Details :

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 -40°C to +100°C Silicone -60°C to +130°C
Threads available	Metric

Metric Thread

Size	Cat. No.	Thread Diameter TD (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	KBAU-E0SLMB	12	15	3.0 - 7.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
M16x1.5	KBAU-E01SMB	16	16	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
M16x1.5	KBAU-E01MB	16	16	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
M20x1.5	KBAU-E1SMB	20	16	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
M20x1.5	KBAU-E1MB	20	16	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
M20x1.5	KBAU-E1LMB	20	16	8.5 - 14.5	12.0 - 20.0	0.90 - 1.30	0.2 - 0.5
M25x1.5	KBAU-E2XSMB	25	18	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
M25x1.5	KBAU-E2SMB	25	18	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
M25x1.5	KBAU-E2MB	25	18	8.5 - 16.0	12.0 - 21.0	0.70 - 1.20	0.5 - 0.7
M25x1.5	KBAU-E2LMB	25	18	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
M32x1.5	KBAU-E3XSMB	32	18	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
M32x1.5	KBAU-E3SMB	32	18	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
M32x1.5	KBAU-E3MB	32	18	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
M40x1.5	KBAU-E4XSMB	40	18	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
M40x1.5	KBAU-E4SMB	40	18	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
M40x1.5	KBAU-E4MB	40	18	20.0 - 32.0	29.0 - 41.0	1.60 - 2.20	0.2 - 0.8
M50x1.5	KBAU-E5XSMB	50	18	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
M50x1.5	KBAU-E5XMMB	50	18	20.0 - 32.0	29.0 - 41.0	1.60 - 2.20	0.2 - 0.8
M50x1.5	KBAU-E5SMB	50	18	22.0 - 35.0	33.0 - 48.0	2.00 - 2.80	0.2 - 1.0
M50x1.5	KBAU-E5MB	50	18	27.0 - 41.0	36.0 - 52.0	1.80 - 2.80	0.3 - 1.4
M63x1.5	KBAU-E6XSMB	63	20	22.0 - 35.0	33.0 - 48.0	2.00 - 2.80	0.2 - 1.0
M63x1.5	KBAU-E6XMMB	63	20	27.0 - 41.0	36.0 - 52.0	1.80 - 2.80	0.3 - 1.4
M63x1.5	KBAU-E6SMB	63	20	35.0 - 45.0	43.0 - 57.0	1.80 - 2.80	0.3 - 1.0
M63x1.5	KBAU-E6MB	63	20	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
M75x1.5	KBAU-E7XSMB	75	20	35.0 - 45.0	43.0 - 57.0	1.80 - 2.80	0.3 - 1.0
M75x1.5	KBAU-E7SMB	75	20	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
M75x1.5	KBAU-E7MB	75	20	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
M90x1.5	KBAU-E8XSMB	90	20	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
M90x1.5	KBAU-E8SMB	90	20	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
M90x1.5	KBAU-E8MB	90	20	60.0 - 72.0	63.0 - 80.0	1.00 - 3.50	0.2 - 1.9
M110x1.5	KBAU-E10SMB	110	20	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
M110x1.5	KBAU-E10MB	110	20	60.0 - 72.0	63.0 - 80.0	1.00 - 3.50	0.2 - 1.9
M90x2.0	KBAU-E8LMLTB	90	20	70.0 - 82.0	78.0 - 90.0	1.5 - 4.4	0.2 - 2.4
M100x2.0	KBAU-E9SMLTB	100	20	80.0 - 92.0	88.0 - 100.0	1.2 - 4.0	0.2 - 2.2
M110x2.0	KBAU-E10LMLTB	110	20	90.0 - 101.0	98.0 - 110.0	2.1 - 5.4	0.2 - 3.1
M130x2.0	KBAU-E13MLTB	130	24	100.0 - 115.0	109.0 - 123.0	2.0 - 5.4	0.2 - 3.0

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 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 -40°C to +100°C Silicone -60°C to +130°C
Threads available	NPT

NPT Thread

Size	Cat. No.	Thread Diameter TD (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"	KBAU-E0SLNB	13.72	15.0	3.0 - 8.0	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
NPT 3/8"	KBAU-E01SNB	17.15	16.0	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
NPT 3/8"	KBAU-E01NB	17.15	16.0	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
NPT 1/2"	KBAU-E1SNB	21.34	16.0	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
NPT 1/2"	KBAU-E1NB	21.34	16.0	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
NPT 1/2"	KBAU-E1LNB	21.34	16.0	8.5 - 14.5	12.0 - 20.0	0.90 - 1.30	0.2 - 0.5
NPT 3/4"	KBAU-E2XSNB	26.67	16.0	3.0 - 8.5	6.0 - 12.0	0.70 - 1.20	0.2 - 0.5
NPT 3/4"	KBAU-E2SNB	26.67	18.0	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
NPT 3/4"	KBAU-E2NB	26.67	16.0	8.5 - 16.0	12.0 - 21.0	0.70 - 1.20	0.5 - 0.7
NPT 3/4"	KBAU-E2LNB	26.67	16.0	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
NPT 1"	KBAU-E3XSNB	33.4	21.0	6.0 - 12.0	8.5 - 16.0	0.70 - 1.25	0.2 - 0.5
NPT 1"	KBAU-E3SNB	33.4	21.0	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
NPT 1"	KBAU-E3NB	33.4	21.0	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
NPT 1 1/4"	KBAU-E4XSNB	42.16	21.0	12.0 - 20.0	16.0 - 26.0	1.30 - 1.70	0.2 - 0.5
NPT 1 1/4"	KBAU-E4SNB	42.16	21.0	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
NPT 1 1/4"	KBAU-E4NB	42.16	18.0	20.0 - 32.0	29.0 - 41.0	1.60 - 2.20	0.2 - 0.8
NPT 1 1/2"	KBAU-E5XSNB	48.26	21.0	15.0 - 26.0	20.0 - 33.0	1.20 - 1.80	0.2 - 0.8
NPT 1 1/2"	KBAU-E5XMNB	48.26	21.0	20.0 - 32.0	29.0 - 41.0	1.60 - 2.20	0.2 - 0.8
NPT 1 1/2"	KBAU-E5SNB	48.26	21.0	22.0 - 35.0	33.0 - 48.0	2.00 - 2.80	0.2 - 1.0
NPT 1 1/2"	KBAU-E5NB	48.26	21.0	27.0 - 41.0	36.0 - 52.0	1.80 - 2.80	0.3 - 1.4
NPT 2"	KBAU-E6XSNB	60.33	21.0	22.0 - 35.0	33.0 - 48.0	2.00 - 2.80	0.2 - 1.0
NPT 2"	KBAU-E6XMNB	60.33	21.0	27.0 - 41.0	36.0 - 52.0	1.80 - 2.80	0.3 - 1.4
NPT 2"	KBAU-E6SNB	60.33	20.0	35.0 - 45.0	43.0 - 57.0	1.80 - 2.80	0.3 - 1.0
NPT 2"	KBAU-E6NB	60.33	21.0	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
NPT 2 1/2"	KBAU-E7XSNB	73.03	21.0	35.0 - 45.0	43.0 - 57.0	1.80 - 2.80	0.3 - 1.0
NPT 2 1/2"	KBAU-E7SNB	73.03	21.0	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
NPT 2 1/2"	KBAU-E7NB	73.03	20.0	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
NPT 3"	KBAU-E8XSNB	88.9	21.0	40.0 - 52.0	47.0 - 60.0	1.80 - 2.80	0.6 - 1.5
NPT 3"	KBAU-E8SNB	88.9	21.0	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
NPT 3"	KBAU-E8NB	88.9	21.0	60.0 - 72.0	63.0 - 80.0	1.00 - 3.50	0.2 - 1.9
NPT 3 1/2"	KBAU-E9SNB	101.6	21.0	45.0 - 60.0	54.0 - 70.0	1.00 - 2.30	0.2 - 1.2
NPT 3 1/2"	KBAU-E9NB	101.6	21.0	60.0 - 72.0	63.0 - 80.0	1.00 - 3.50	0.2 - 1.9
NPT 3 1/2"	KBAU-E9MNLTB	101.6	45.0	70.0 - 82.0	78.0 - 90.0	1.5 - 4.4	0.2 - 2.4

INDUSTRIES WE SERVE

POWER & ENERGY



OIL & GAS



TRANSPORTATION



MACHINE BUILDING



BUILDING

MARINE



AUTOMATION

COMPLEMENT THE DESIGN & SAFETY OF YOUR CABLING SYSTEM

No system with cable glands can be complete without the proper range of cable gland accessories.

Some of these accessories like lock nuts, reducers and enlargers are necessary from the point of view of ease of installation, while other accessories like blind stops and protection tabs ensure that proper IP protection class is maintained even in the absence of the cable glands or cables. In addition to the above, accessories like multi-hole sealing inserts ensure proper cable management when multiple cables are made to pass through a single cable gland.

Controlwell offers the complete range of accessories for all types of cable glands, ensuring that we help you **protect - connect - simplify**.

CABLE GLAND ACCESSORIES

ADDED CONVENIENCE AND PROTECTION



POLYAMIDE LOCK NUTS



In standard industrial applications, installing cable glands directly on enclosure or equipment wall surfaces is not possible. In such situations Hexagonal Lock Nuts are used to secure cable glands. They are manufactured according to the requirement of DIN 46320.

Technical Details :

Material	Polyamide 6 30% glass fibre reinforced
Colour	RAL 7001 (Grey) RAL 9005 (Black) RAL 7035 (L. Grey on request)
Temperature Range	-20°C to +100°C Continuous -30°C to +150°C Intermittant
Threads available	Pg, Metric, NPT & G Thread

Pg Thread - DIN 40430

For Gland Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	(mm)	Height (mm)	Standard Pack (pieces)
Pg 7	BL-01	BL-11	BL-21	19	5	50
Pg 9	BL-02	BL-12	BL-22	22	5	50
Pg 11	BL-03	BL-13	BL-23	24	5	50
Pg 13.5	BL-04	BL-14	BL-24	27	6	50
Pg 16	BL-05	BL-15	BL-25	30	6	50
Pg 21	BL-06	BL-16	BL-26	36	7	25
Pg 29	BL-07	BL-17	BL-27	46	7	20
Pg 36	BL-08	BL-18	BL-28	60	8	10
Pg 42	BL-09	BL-19	BL-29	65	8	10
Pg 48	BL-10	BL-20	BL-30	70	8	10

Metric Thread - EN 60423

For Gland Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	(mm)	Height (mm)	Standard Pack (pieces)
M 12 x 1.5	BML-0S	BML-1S	BML-2S	18	5	100
M 16 x 1.5	BML-01	BML-11	BML-21	22	5	50
M 20 x 1.5	BML-02	BML-12	BML-22	26	6	50
M 25 x 1.5	BML-03	BML-13	BML-23	32	6	25
M 32 x 1.5	BML-04	BML-14	BML-24	41	7	25
M 40 x 1.5	BML-05	BML-15	BML-25	50	7	10
M 50 x 1.5	BML-06	BML-16	BML-26	60	8	10
M 63 x 1.5	BML-07	BML-17	BML-27	75	8	10
M 75 x 2.0	BML-08	BML-18	BML-28	85	15	10

NPT Thread - ANSI B 1.20.1

For Gland Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	(mm)	Height (mm)	Standard Pack (pieces)
NPT 3/8"	BPL-01	BPL-11	BPL-21	22	7	50
NPT 1/2"	BPL-02	BPL-12	BPL-22	27	7	50
NPT 3/4"	BPL-03	BPL-13	BPL-23	33	7	25
NPT 1"	BPL-04	BPL-14	BPL-24	42	7	20

G Thread - G ISO 228

For Gland Size	Cat. No. Grey	Cat. No. Light Grey	Cat. No. Black	(mm)	Height (mm)	Standard Pack (pieces)
G 3/8"	BFL-01	BFL-11	BFL-21	22	6	50
G 1/2"	BFL-02	BFL-12	BFL-22	27	6	50
G 3/4"	BFL-03	BFL-13	BFL-23	33	6.4	25
G 1"	BFL-04	BFL-14	BFL-24	42	6.5	20

STANDARD LOCK NUTS - BRASS / STAINLESS STEEL



In certain applications, installing cable glands directly on enclosure or equipment wall surfaces is not possible. In such situations Lock Nuts are used to secure cable glands.

Technical Details :

Material	Brass Nickel Plated, Stainless Steel (303)
Threads available	Pg, Metric, NPT

Pg Threads

For Gland Size	Cat. No. Brass	Cat. No. Stainless Steel	 (mm)	Height (mm)	Standard Pack (pieces)
Pg 7	GBSL-01	BSLS-01	17	2.8	100
Pg 9	GBSL-02	BSLS-02	19	2.8	100
Pg 11	GBSL-03	BSLS-03	22	3.0	100
Pg 13.5	GBSL-04	BSLS-04	24	3.0	100
Pg 16	GBSL-05	BSLS-05	27	3.0	100
Pg 21	GBSL-06	BSLS-06	32	3.5	100
Pg 29	GBSL-07	BSLS-07	41	4.0	50
Pg 36	GBSL-08	BSLS-08	51	5.0	25
Pg 42	GBSL-09	BSLS-09	60	5.0	10
Pg 48	GBSL-10	BSLS-10	64	5.5	10

Metric Threads

For Gland Size	Cat. No. Brass	Cat. No. Stainless Steel	 (mm)	Height (mm)	Standard Pack (pieces)
M 12 x 1.5	GBMBL-01	BMBLS-01	15	2.8	100
M 16 x 1.5	GBMBL-02	BMBLS-02	19	2.8	100
M 20 x 1.5	GBMBL-03	BMBLS-03	24	3.0	100
M 25 x 1.5	GBMBL-04	BMBLS-04	30	3.5	100
M 32 x 1.5	GBMBL-05	BMBLS-05	36	4.0	50
M 40 x 1.5	GBMBL-06	BMBLS-06	46	4.5	50
M 50 x 1.5	GBMBL-07	BMBLS-07	60	5.0	10
M 63 x 1.5	GBMBL-08	BMBLS-08	70	5.5	10
M 72 x 2	BMBL-09	BMBLS-09	77	7.0	10
M 75 x 2	BMBL-10	BMBLS-10	80	7.0	5
M 80 x 2	BMBL-11	BMBLS-11	90	8.0	5
M 85 x 2	BMBL-12	BMBLS-12	95	8.0	5
M 90 x 2	BMBL-13	BMBLS-13	100	8.0	5
M 90 x 1.5	BMBL-13S	-	100	8.0	5

NPT Threads

For Gland Size	Cat. No. Brass	Cat. No. Stainless Steel	 (mm)	Height (mm)	Standard Pack (pieces)
NPT 1/4"	BNLN-01S	BNLNS-01S	17	5	50
NPT 3/8"	BNLN-01	BNLNS-01	24	5	50
NPT 1/2"	BNLN-02	BNLNS-02	24	5	50
NPT 3/4"	BNLN-03	BNLNS-03	35	6	50
NPT 1"	BNLN-04	BNLNS-04	46	6	25
NPT 1 1/4"	BNLN-05	BNLNS-05	55	7	25
NPT 1 1/2"	BNLN-06	BNLNS-06	60	7	25
NPT 2"	BNLN-07	BNLNS-07	74	8	10

EMC BRASS / SS LOCK NUTS



These lock nuts are specifically designed for use with EMC cable glands. These are manufactured with special notches on their corners. On tightening against the body on which the gland is being installed, the notches chip the paint of the body and make excellent electrical contact with the bare metal surface which acts as the grounding for the cable.

Technical Details :

Material	Brass Nickel Plated, Stainless Steel
Threads available	Pg, Metric, NPT

Pg Threads

For Gland Size	Cat. No.	Cat. No. Stainless Steel	(mm)	Height (mm)	Standard Pack (pieces)
Pg 7	BSEL-01	BSELS-01	15	3.3	50
Pg 9	BSEL-02	BSELS-02	18	3.3	50
Pg 11	BSEL-03	BSELS-03	21	3.5	50
Pg 13.5	BSEL-04	BSELS-04	23	3.5	50
Pg 16	BSEL-05	BSELS-05	26	3.5	25
Pg 21	BSEL-06	BSELS-06	32	4.0	25
Pg 29	BSEL-07	BSELS-07	41	4.6	20
Pg 36	BSEL-08	BSELS-08	51	5.6	15
Pg 42	BSEL-09	BSELS-09	60	5.6	12
Pg 48	BSEL-10	BSELS-10	64	6.1	12

Metric Threads

For Gland Size	Cat. No.	Cat. No. Stainless Steel	(mm)	Height (mm)	Standard Pack (pieces)
M 12 x 1.5	BMEL-01	BMELS-01	15	3.3	50
M 16 x 1.5	BMEL-02	BMELS-02	19	3.5	50
M 20 x 1.5	BMEL-03	BMELS-03	24	3.7	50
M 25 x 1.5	BMEL-04	BMELS-04	30	3.7	25
M 32 x 1.5	BMEL-05	BMELS-05	36	4.0	25
M 40 x 1.5	BMEL-06	BMELS-06	46	4.6	20
M 50 x 1.5	BMEL-07	BMELS-07	60	5.6	15
M 63 x 1.5	BMEL-08	BMELS-08	70	6.7	12

NPT Threads

For Gland Size	Cat. No. Brass	Cat. No. Stainless Steel	(mm)	Height (mm)	Standard Pack (pieces)
NPT 1/4"	BNEL-01S	BNELS-01S	17	5.5	50
NPT 3/8"	BNEL-01	BNELS-01	22	5.7	50
NPT 1/2"	BNEL-02	BNELS-02	24	6.7	50
NPT 3/4"	BNEL-03	BNELS-03	30	6.5	50
NPT 1"	BNEL-04	BNELS-04	40	7.6	25
NPT 1 1/4"	BNEL-05	BNELS-05	50	7.6	25
NPT 1 1/2"	BNEL-06	BNELS-06	58	8.7	25
NPT 2"	BNEL-07	BNELS-07	70	10.8	10
NPT 2 1/2"	BNEL-08	BNELS-08	80	10.8	10
NPT 3"	BNEL-09	BNELS-09	95	10.8	10
NPT 3 1/2"	BNEL-10	BNELS-10	115	10.8	10
NPT 4"	BNEL-11	BNELS-11	130	10.8	5
NPT 5"	BNEL-12	BNELS-12	160	13.0	5

FLAT WASHERS / GASKET FOR CABLE GLANDS



Washers are mounted on threaded part of cable gland on the outer side of equipment to ensure IP rating for rough surfaces or through holes.

Technical Details :

Material	Nitrile, Black
Threads Available	Pg & Metric Thread
Temperature Range	-25°C to +100°C Continuous

Pg Thread

Size	Cat. No.	External Diameter (mm)	Internal Diameter (mm)	Thickness (mm)	Standard Pack (pieces)
Pg7	WSH-Pg7	16.8	11.8	1.5	50
Pg9	WSH-Pg9	21.8	14.5	1.5	50
Pg11	WSH-Pg11	25.8	17.5	1.5	50
Pg13.5	WSH-Pg13.5	27.8	19.8	1.5	50
Pg16	WSH-Pg16	29.8	21.8	1.5	50
Pg21	WSH-Pg21	35.8	27.0	1.5	50
Pg29	WSH-Pg29	46.8	35.5	1.5	50
Pg36	WSH-Pg36	59.0	45.5	1.5	50
Pg42	WSH-Pg42	66.8	52.8	1.5	50
Pg48	WSH-Pg48	71.8	57.8	1.5	25

Metric Thread

Size	Cat. No.	External Diameter (mm)	Internal Diameter (mm)	Thickness (mm)	Standard Pack (pieces)
M12 x 1.5	WSH-M12X1.5	15.5	10.3	1.5	50
M16 x 1.5	WSH-M16X1.5	21.5	14.3	1.5	50
M20 x 1.5	WSH-M20X1.5	26.0	18.5	1.5	50
M25 x 1.5	WSH-M25X1.5	31.5	23.3	1.5	50
M32 x 1.5	WSH-M32X1.5	38.5	30.5	1.5	50
M40 x 1.5	WSH-M40X1.5	48.5	38.5	1.5	50
M50 x 1.5	WSH-M50X1.5	58.0	48.0	1.5	50
M63 x 1.5	WSH-M63X1.5	70.0	61.2	1.5	50

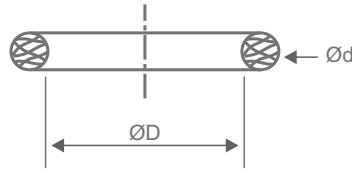
O RING



O Rings are mounted on threaded part of cable gland on the outer side of equipment to ensure IP rating for rough surfaces or through holes.

Technical Details :

Material	NBR, Black
Threads Available	Pg & Metric Thread
Temperature Range	-35°C to +120°C Continuous



Pg Thread

Size	Cat. No.	Internal Diameter D (mm)	Thickness d (mm)	Standard Pack (pieces)
Pg7	OR-P07	10.5	1.5	50
Pg9	OR-P09	14.5	1.5	50
Pg11	OR-P11	16.5	1.5	50
Pg13.5	OR-P13.5	18.5	1.5	50
Pg16	OR-P16	20.5	1.5	50
Pg21	OR-P21	26.0	2.0	50
Pg29	OR-P29	35.0	2.0	50
Pg36	OR-P36	45.0	2.0	50
Pg42	OR-P42	52.1	2.0	50
Pg48	OR-P48	57.0	2.0	50

Metric Thread

Size	Cat. No.	Internal Diameter (mm)	Thickness (mm)	Standard Pack (pieces)
M12 x 1.5	OR-M12	10.3	1.5	50
M16 x 1.5	OR-M16	14.3	1.5	50
M20 x 1.5	OR-M20	18.5	1.5	50
M25 x 1.5	OR-M25	23.3	2.0	50
M32 x 1.5	OR-M32	30.5	2.0	50
M40 x 1.5	OR-M40	38.5	2.0	50
M50 x 1.5	OR-M50	48.0	3.5	50
M63 x 1.5	OR-M63	61.2	3.5	50

DUST COVER / BLIND WASHER



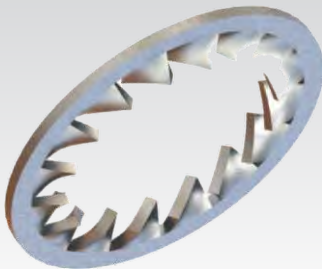
Dust cover is mounted under the cap nut of cable gland to protect the gland from dust entering in cable gland during transport and storage.

Technical Details :

Material	Polyethylene
Colour	Red
Temperature Range	-30°C to +100°C Continuous

For Gland Size	Cat. No. Red	External Diameter (mm)	Thickness (mm)	Standard Pack (pieces)
M12 / Pg 7 / Pg 9	BDC-M12	12	2	50
M16 / Pg 11 / Pg 13.5	BDC-M16	16	2	50
M20 / Pg 16	BDC-M20	20	2	50
M25 / Pg 21	BDC-M25	25	2	50
M32 / Pg 29	BDC-M32	32	2	50
M40 / Pg 36	BDC-M40	40	2	25
M50 / Pg 42	BDC-M50	50	2	25
M63 / Pg 48	BDC-M63	63	2	25

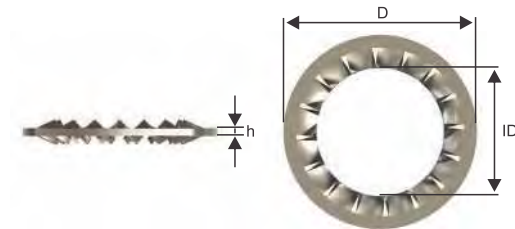
SERRATED WASHER



Serrated washers are used to fix lock nuts where mechanical stress occurs.

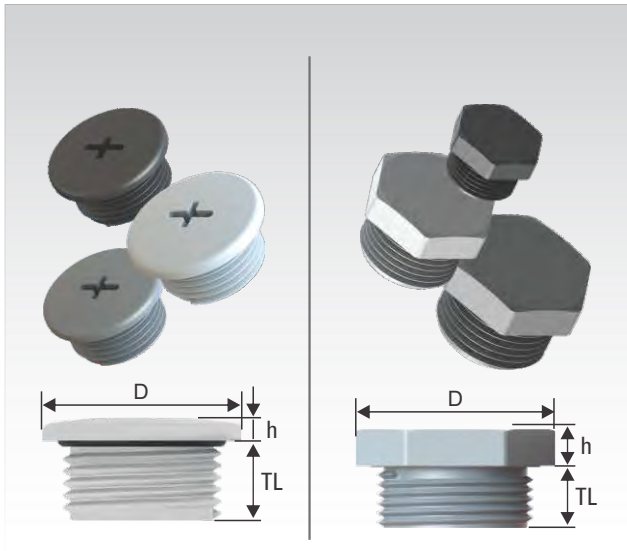
Technical Details :

Material	Brass Nickel Plated / Stainless Steel
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Cat. No. Brass Nickel Plated	Cat. No. Stainless Steel	Thread Size Metric / NPT	External Diameter (mm)	Thickness (mm)	Standard Pack (pieces)
BMTW-02BN	BMTW-02X	M16 / NPT3/8"	25.5	1.5	1000
BMTW-03BN	BMTW-03X	M20 / NPT1/2"	32.5	1.5	1000
BMTW-04BN	BMTW-04X	M25 / NPT3/4"	40.0	1.5	1000
BMTW-05BN	BMTW-05X	M32 / NPT1"	43.5	1.5	500
BMTW-06BN	BMTW-06X	M40 / NPT1 1/4"	64.5	1.5	500
BMTW-07BN	BMTW-07X	M50 / NPT1 1/2"	80.0	1.5	300
BMTW-08SBN	BMTW-08SX	M60 / -	97.0	1.5	200
BMTW-08BN	BMTW-08X	M63 / NPT2"	100.0	1.5	200
BMTW-09SBN	BMTW-09SX	M70 / -	112.0	1.5	100
BMTW-09BN	BMTW-09X	M75 / NPT2 1/2"	112.0	1.5	100
BMTW-10SBN	BMTW-10SX	M80 / -	121.0	1.5	100
BMTW-10MBN	BMTW-10MX	M85 / -	128.0	1.5	100
BMTW-10BN	BMTW-10X	M90 / NPT3"	135.0	1.5	100
BMTW-11BN	BMTW-11X	M100 / NPT3 1/2"	145.0	1.5	100
BMTW-11MBN	BMTW-11MX	M110 / -	151.0	1.5	100
BMTW-11LBN	BMTW-11LX	M115 / NPT4"	159.0	1.5	100
BMTW-13BN	BMTW-13X	M130 / -	181.5	1.5	50
BMTW-14BN	BMTW-14X	- / NPT5"	185.0	1.5	50

STANDARD POLYAMIDE BLIND STOPS



Blind Stops made of Polyamide 6 are used wherever threads previously cut must be closed for preventing dust, dirt and foreign matters from entering the enclosure or equipment. O rings of Neoprene should be mounted on the threaded part to get the IP 68 protection. They are also available in Hexagonal shape and longer thread length.

Technical Details :

Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black) RAL 7035 (L. Grey on request)
Threads available	Pg, Metric, (NPT on request)
Protection Class	IP 68 - 5 Bar, 30 m
Temperature Range	-20°C to +100°C Continuous -30°C to +150°C Intermittant

Long threads also available on request.

Pg Thread in Polyamide (Circular)

Size	Cat. No. Black	Cat. No. Grey	Cat. No. Light Grey	h (mm)	Outer Diameter D (mm)	Thread Length TL (mm)	Standard Pack (pieces)
Pg 7	BBS-21(Y)	BBS-01(Y)	BBS-11(Y)	3.0	15.0	6	100
Pg 9	BBS-22(Y)	BBS-02(Y)	BBS-12(Y)	3.0	19.5	6	100
Pg 11	BBS-23(Y)	BBS-03(Y)	BBS-13(Y)	3.0	22.0	6	50
Pg 13.5	BBS-24(Y)	BBS-04(Y)	BBS-14(Y)	3.0	24.7	6	50
Pg 16	BBS-25(Y)	BBS-05(Y)	BBS-15(Y)	3.4	27.0	6	50
Pg 21	BBS-26(Y)	BBS-06(Y)	BBS-16(Y)	4.0	33.0	8	25
Pg 29	BBS-27(Y)	BBS-07(Y)	BBS-17(Y)	3.2	44.0	8	25
Pg 36	BBS-28(Y)	BBS-08(Y)	BBS-18(Y)	3.7	55.0	10	25
Pg 42	-	-	BBS-19(Y)	6.0	-	10	20
Pg 48	-	-	BBS-20(Y)	6.5	-	12	20

Metric Thread in Polyamide (Circular)

Size	Cat. No. Black	Cat. No. Grey	Cat. No. Light Grey	h (mm)	Outer Diameter D (mm)	Thread Length TL (mm)	Standard Pack (pieces)
M 12 x 1.5	BMBS-2S(Y)	BMBS-0S(Y)	BMBS-1S(Y)	3.0	15.0	6	100
M 16 x 1.5	BMBS-21(Y)	BMBS-01(Y)	BMBS-11(Y)	3.4	19.5	6	50
M 20 x 1.5	BMBS-22(Y)	BMBS-02(Y)	BMBS-12(Y)	3.0	25.0	6	50
M 25 x 1.5	BMBS-23(Y)	BMBS-03(Y)	BMBS-13(Y)	4.0	30.0	6	50
M 32 x 1.5	BMBS-24(Y)	BMBS-04(Y)	BMBS-14(Y)	4.0	37.0	8	25
M 40 x 1.5	BMBS-25(Y)	BMBS-05(Y)	BMBS-15(Y)	4.5	46.0	8	10
M 50 x 1.5	BMBS-26(Y)	BMBS-06(Y)	BMBS-16(Y)	3.7	54.9	10	10
M 63 x 1.5	BMBS-27(Y)	BMBS-07(Y)	-	6.0	68.0	12	10

Metric Thread in Polyamide (Hexagonal)

Size	Cat. No. Black	Cat. No. Grey	h (mm)	Outer Diameter D (mm)	Thread Length TL (mm)	Standard Pack (pieces)
M 12 x 1.5	BMBS-2S(A)	-	5.0	17.0	10	50
M 16 x 1.5	BMBS-21(A)	BMBS-01(A)	4.3	22.0	12	50
M 20 x 1.5	BMBS-22(A)	-	6.0	26.0	11	50
M 25 x 1.5	BMBS-23(A)	-	5.8	32.0	10	50
M 32 x 1.5	BMBS-24(A)	-	7.8	41.5	15	10
M 40 x 1.5	BMBS-25(A)	-	8.5	53.0	18	10
M 50 x 1.5	-	BMBS-06(A)	9.5	63.5	18	10

NPT Thread in Polyamide (Hexagonal)

Size	Cat. No. Black	h (mm)	Outer Diameter D (mm)	Thread Length TL (mm)	Standard Pack (pieces)
NPT 1/2"	BNBS-22(A)	6.0	26.0	15	50
NPT 3/4"	BNBS-23(A)	5.8	32.0	15	50
NPT 1"	BNBS-24(A)	7.8	41.0	15	50

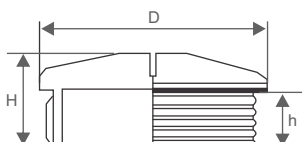
BRASS BLIND STOPS



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.

Technical Details :

Material	Brass, Nickel Plated
O Ring	Neoprene
Temperature Range	-40° C to + 140° C
Threads available	Pg, Metric
Protection Class	IP 68 - 5 Bar, 30 m



Pg Thread in Brass

Size	Cat. No.	H (mm)	D (mm)	h (mm)	Standard Pack (pieces)
Pg 7	GBBS-01	7.5	15	5	50
Pg 9	GBBS-02	8	18	5	50
Pg 11	GBBS-03	8	22	5	50
Pg 13.5	GBBS-04	9	24	6	50
Pg 16	GBBS-05	9	26	6	50
Pg 21	GBBS-06	10	32	6	25
Pg 29	GBBS-07	12	40	8	25
Pg 36	GBBS-08	15	50	9	20

Metric Thread in Brass

Size	Cat. No.	H (mm)	D (mm)	h (mm)	Standard Pack (pieces)
M 12 x 1.5	GBMBS-0S	7.5	14	5	50
M 16 x 1.5	GBMBS-01	8	18	5	50
M 20 x 1.5	GBMBS-02	9.5	22	6	50
M 25 x 1.5	GBMBS-03	11	28	7	50
M 32 x 1.5	GBMBS-04	12	35	8	25
M 40 x 1.5	GBMBS-05	13	44	8	25
M 50 x 1.5	GBMBS-06	15	54	9	20
M 63 x 1.5	GBMBS-07	16	67	10	20

MULTI-HOLE SEALING INSERTS



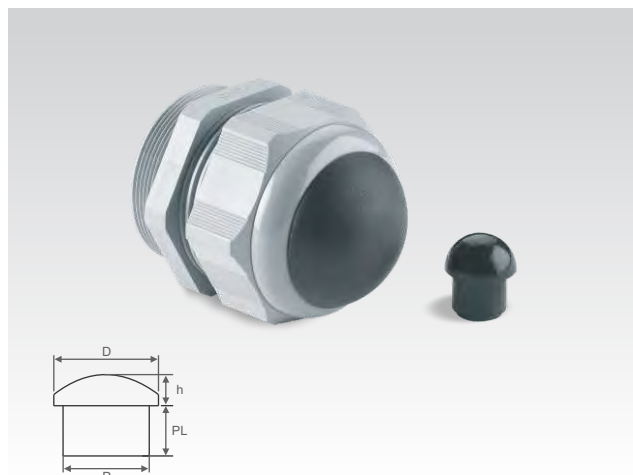
These inserts are used in applications where sealing and strain relief protection is required for multiple cables passing through a single cable gland.

Technical Details :

Material	Perbunan (NBR)
Colour	RAL 9005 (Black)
Application	For Pg, Metric and NPT threaded Cable Glands

For Cable Gland Size in Polyamide	Cat. No.	Number of Holes	Diameter of Hole (mm)	Standard Pack (pieces)
Pg 7 / M 12 (3 - 6.5)	BMS-01A	2	1	50
Pg 9 / M 16 (4 - 8)	BMS-02A	2	3	50
Pg 9 / M 16 (4 - 8)	BMS-02C	4	2	50
Pg 9 / M 16 (4 - 8)	BMS-02D	4	3	50
Pg 9 / M 16 (4 - 8)	BMS-02E	2	4	50
Pg 11 / M 16 (5 - 10)	BMS-03A	2	4	50
M 16 / EX M 16 (4.5 - 10)	BMS-03AA	2	4	50
Pg 11 / M 16 (5 - 10)	BMS-03C	3	4	50
Pg 11 / M 16 (5 - 10)	BMS-03D	3	5	50
Pg 11 / M 16 (5 - 10)	BMS-03E	4	3.5	50
Pg 13.5 / M 20 (6 - 12)	BMS-04A	2	6	50
Pg 13.5 / M 20 (6 - 12)	BMS-04C	3	5	50
Pg 13.5 / M 20 (6 - 12)	BMS-04D	2	2.1	50
Pg 16 / M 20L (10 - 14)	BMS-05A	2	4	50
Pg 16 / M 20 (10 - 14)	BMS-05D	3	6	50
Pg 16 / M 20 (10 - 14)	BMS-05E	4	6	50
Pg 16 / M 20 (10 - 14)	BMS-05F	4	3.5	50
Pg 16 / M 20 (10 - 14)	BMS-05G	2	5 / 8	50
Pg 21 / M 25 (13 - 18)	BMS-06A	2	7	50
Pg 21 / M 25 (13 - 18)	BMS-06B	2	8	50
Pg 21 / M 25 (13 - 18)	BMS-06C	2	9	50
Pg 21 / M 25 (13 - 18)	BMS-06D	3	7	50
Pg 21 / M 25 (13 - 18)	BMS-06E	4	7	50
Pg 21 / M 25 (13 - 18)	BMS-06F	3	4	50
Pg 29 / M 32 (18 - 25)	BMS-07A	3	8.5	50
Pg 29 / M 32 (18 - 25)	BMS-07B	5	8.5	50
Pg 29 / M 32 (18 - 25)	BMS-07C	8	5	50
Pg 29 / M 32 (18 - 25)	BMS-07D	2	10.5 / 12	50
Pg 29 / M 32 (18 - 25)	BMS-07E	9	4	50
Pg 29 / M 32 (18 - 25)	BMS-07F	6	7.5	50
Pg 29 / M 32 (18 - 25)	BMS-07G	2	8	50
Pg 29 / M 32 (18 - 25)	BMS-07H	4	8	50
Pg 29 / M 32 (18 - 25)	BMS-07J	2	7.5 / 10	50
Pg 36 / M 40 (22 - 32)	BMS-08A	6	10	50
Pg 36 / M 40 (22 - 32)	BMS-08B	2	11	50
Pg 36 / M 40 (22 - 32)	BMS-08C	8	8	50
Pg 36 / M 40 (22 - 32)	BMS-08D	6	11	50
Pg 36 / M 40 (22 - 32)	BMS-08E	2	13	50
Pg 36 / M 50 BRASS (22 - 32)	BMS-08F	2	7.5	50
Pg 42 / M 50 (30 - 38)	BMS-09A	3	6.7 / 7.3 / 8.6	50
M 25 (EU) (11 - 17)	BMS-56A	2	6	50
M 25 (EU) (11 - 17)	BMS-56B	6	5	50
M 25 (BRASS) (11 - 17)	BMS-56C	6	5	50
M 40 (EU) (19 - 28)	BMS-89A	2	13	50
M 40 (EU) (19 - 28)	BMS-89B	4	9	50
M 40 (EU) (19 - 28)	BMS-89C	8	5.4	50
M 40 (EU) (19 - 28)	BMS-89D	7	7	50

POLYAMIDE DOME PLUG / PROTECTION TAB



Dome Plugs made of Polyamide 6 are used in assembly work for instruments, machines etc., where only Cable Glands are mounted and cable connection is made later. This prevents dust and moisture from penetrating the enclosure or equipment.

Technical Details :

Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 9005 (Black)
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Application	For Pg, Metric and NPT threaded Cable Glands

Dome Plugs for Pg Thread Polyamide Cable Glands

Size	Clamping Range	Cat. No.	PL (mm)	D (mm)Ø	h (mm)	P (mm)Ø	Standard Pack (pieces)
9	3 - 6.5	BDP-09-22	12	9.2	4	6.4	100
11	4 - 8	BDP-11-22	13.7	10.5	4.7	8	50
13	5 - 10	BDP-13-22	9	13.3	5.3	9.7	50
16	6 - 12	BDP-16-22	13	15.8	8	12	50
18	10 - 14	BDP-18-22	13.5	18	8.7	13.6	50
22	13 - 18	BDP-22-22	14	22	10	17.8	25
29	18 - 25	BDP-29-22	15	28.5	9.7	25	25
37	22 - 32	BDP-37-22	17	36.8	10.7	31.8	10
45	30 - 38	BDP-45-22	20.2	43.3	11.9	38	10
52	34 - 44	BDP-52-22	22.5	51	16	44.2	10

Dome Plugs for Metric / NPT Thread Polyamide Cable Glands

Cable Gland Size	Clamping Range	Cat. No.	PL (mm)	D (mm)Ø	h (mm)	P (mm)Ø	Standard Pack (pieces)
M 12	3 - 6.5	BDP-09-22	12	9.2	4	6.4	100
M16 (EU)	4 - 8	BDP-11-22	13.7	10.5	4.7	8	50
M 16 / NPT 3/8"	5 - 10	BDP-13-22	9	13.3	5.3	9.7	50
M 20 / NPT 1/2"	6 - 12	BDP-16-22	13	15.8	8	12	50
M 20 / NPT 1/2"	10 - 14	BDP-18-22	13.5	18	8.7	13.6	50
M 25 (EU)	11 - 17	BDP-20-22	14.5	19.9	7.3	16.4	50
M 25 / NPT 3/4"	13 - 18	BDP-22-22	14	22	10	17.8	25
M 32 (EU)	15 - 21	BDP-24-22	15.5	24.1	9.2	20.4	25
M 32 / NPT 1"	18 - 25	BDP-29-22	15	28.5	9.7	25	25
M 40 (EU)	19 - 28	BDP-32-22	15.8	31.5	9.2	27.3	10
M 40	22 - 32	BDP-37-22	17	36.8	10.7	31.8	10
M 50	30 - 38	BDP-45-22	20.2	43.3	11.9	38	10
M 63	34 - 44	BDP-52-22	22.5	51	16	44.2	10

REDUCERS - POLYAMIDE & BRASS



Reducers are used for threaded holes on machines or equipment housing which are too large for the necessary gland.

Technical Details :

Material	Perbunan (NBR)
Colour	RAL 9005 (Black)
Application	For Pg, Metric and NPT threaded Cable Glands

Pg Thread Reducers

Size	External Thread	Internal Thread	Cat. No. Brass	Thread Length Brass (mm)	Cat. No. Polyamide	Thread Length Polyamide (mm)	Standard Pack (pieces)
Pg 9 - Pg 7	Pg9	Pg7	SBBR P9/P7	7	-	-	50
Pg 11 - Pg 9	Pg11	Pg9	SBBR P11/P9	8	-	-	50
Pg 13.5 - Pg 9	Pg13.5	Pg9	SBBR P13.5/P9	8	-	9	50
Pg 13.5 - Pg 11	Pg13.5	Pg11	SBBR P13.5/P11	9	BPR P13.5/P11	9	50
Pg 16 - Pg 9	Pg16	Pg9	-	-	BPR P16/P9	10	25
Pg 16 - Pg 11	Pg16	Pg11	SBBR P16/P11	9	BPR P16/P11	10	25
Pg 16 - Pg 13.5	Pg16	Pg13.5	SBBR P16/P13.5	9	-	-	25
Pg 21 - Pg 13.5	Pg21	Pg13.5	SBBR P21/P13.5	9	BPR P21/P13.5	10.5	25
Pg 21 - Pg 16	Pg21	Pg16	SBBR P21/P16	11.3	BPR P21/P16	10.5	25
Pg 29 - Pg 21	Pg29	Pg21	SBBR P29/P21	12	BPR P29/P21	12	10
Pg 36 - Pg 29	Pg36	Pg29	SBBR P36/P29	14	BPR P36/P29	18	10

Metric Thread Reducers

Size	External Thread	Internal Thread	Cat. No. Brass	Thread Length Brass (mm)	Cat. No. Polyamide	Thread Length Polyamide (mm)	Standard Pack (pieces)
M 16 - M 12	M16 x 1.5	M12 x 1.5	GBBR M16/M12	7	-	-	25
M 20 - M 12	M20 x 1.5	M12 x 1.5	GBBR M20/M12	8	BPR M20/M12	9	25
M 20 - M 16	M20 x 1.5	M16 x 1.5	GBBR M20/M16	9	BPR M20/M16	9	25
M 25 - M 16	M25 x 1.5	M16 x 1.5	GBBR M25/M16	9	BPR M25/M16	10	10
M 25 - M 20	M25 x 1.5	M20 x 1.5	GBBR M25/M20	10	BPR M25/M20	10	10
M 32 - M 16	M32 x 1.5	M16 x 1.5	GBBR M32/M16	11	BPR M32/M16	11	10
M 32 - M 20	M32 x 1.5	M20 x 1.5	GBBR M32/M20	11	BPR M32/M20	11	10
M 32 - M 25	M32 x 1.5	M25 x 1.5	GBBR M32/M25	11	BPR M32/M25	11	10
M 40 - M 20	M40 x 1.5	M20 x 1.5	GBBR M40/M20	11	BPR M40/M20	12	10
M 40 - M 25	M40 x 1.5	M25 x 1.5	GBBR M40/M25	11	BPR M40/M25	12	10
M 40 - M 32	M40 x 1.5	M32 x 1.5	GBBR M40/M32	11	BPR M40/M32	12	10
M 50 - M 25	M50 x 1.5	M25 x 1.5	GBBR M50/M25	12	BPR M50/M25	13	10
M 50 - M 32	M50 x 1.5	M32 x 1.5	GBBR M50/M32	12	BPR M50/M32	13	10
M 50 - M 40	M50 x 1.5	M40 x 1.5	GBBR M50/M40	12	BPR M50/M40	13	10
M 63 - M 40	M63 x 1.5	M40 x 1.5	GBBR M63/M40	12	BPR M63/M40	15	5
M 63 - M 50	M63 x 1.5	M50 x 1.5	GBBR M63/M50	12	BPR M63/M50	15	5

BRASS ENLARGERS



These are used for threaded holes on machines or equipment housing which are too small for the necessary glands.

Technical Details :

Material	Brass Nickel Plated Polyamide (On request)
Threads available	Pg and Metric

Pg Thread Enlargers

Size	External Thread	Internal Thread	Cat. No.	Thread Length (mm)	Standard Pack (pieces)
Pg7 - Pg9	Pg7	Pg9	GBBE P7/P9	5	50
Pg9 - Pg11	Pg9	Pg11	GBBE P9/P11	6	50
Pg9 - Pg13.5	Pg9	Pg13.5	GBBE P9/P13.5	6	-
Pg11 - Pg13.5	Pg11	Pg13.5	GBBE P11/P13.5	6	100
Pg11 - Pg16	Pg11	Pg16	GBBE P11/P16	6	50
Pg13.5 - Pg16	Pg13.5	Pg16	GBBE P13.5/P16	6.5	50
Pg13.5 - Pg21	Pg13.5	Pg21	GBBE P13.5/P21	6.5	50
Pg16 - Pg21	Pg16	Pg21	GBBE P16/P21	6.5	25
Pg21 - Pg29	Pg21	Pg29	GBBE P21/P29	7	100
Pg29 - Pg36	Pg29	Pg36	GBBE P29/P36	8	50
Pg29 - Pg48	Pg29	Pg48	GBBE P29/P48	8	-
Pg36 - Pg42	Pg36	Pg42	GBBE P36/P42 *	9	25

Metric Thread Enlargers

Size	External Thread	Internal Thread	Cat. No.	Thread Length (mm)	Standard Pack (pieces)
M12 - M16	M12	M16	GBBE M12/M16	5	100
M16 - M20	M16	M20	GBBE M16/M20 *	5	100
M16 - M25	M16	M25	GBBE M16/M25	6	-
M20 - M25	M20	M25	GBBE M20/M25 *	6	50
M25 - M32	M25	M32	GBBE M25/M32 *	7	25
M25 - M40	M25	M40	GBBE M25/M40	7	-
M32 - M40	M32	M40	GBBE M32/M40 *	8	25
M32 - M50	M32	M50	GBBE M32/M50	8	-
M40 - M50	M40	M50	GBBE M40/M50	8	25

* Hexagonal Design

BRASS CONVERTERS / ADAPTERS



These are used for threaded holes on machines or equipment housing where the threads are to be changed from Pg to Metric or from Metric to Pg.

Technical Details :

Material	Brass Nickel Plated
Threads Available	Pg, and Metric

Converters - Pg Thread

Size	Cat. No.	External Thread	Internal Thread	Thread Length (mm)	Standard Pack (pieces)
Pg11 - M20	SBBC P11/M20	Pg11	M20	6.5	50
Pg16 - M20	SBBC P16/M20	Pg16	M20	7	20
Pg16 - M25	SBBC P16/M25	Pg16	M25	7	20
Pg21 - M25	SBBC P21/M25 *	Pg21	M25	8	20
Pg29 - M25	SBBC P29/M25 *	Pg29	M25	9	10
Pg29 - M32	SBBC P29/M32 *	Pg29	M32	9	10
Pg36 - M32	SBBC P36/M32 *	Pg36	M32	7	10
Pg36 - M40	SBBC P36/M40 *	Pg36	M40	7	10

Converters - Metric Thread

Size	Cat. No.	External Thread	Internal Thread	Thread Length (mm)	Standard Pack (pieces)
M20 - Pg9	SBBC M20/P9 *	M20	Pg9	6.5	10
M20 - Pg11	SBBC M20/P11 *	M20	Pg11	7	10
M20 - Pg21	SBBC M20/P21	M20	Pg21	7	10
M25 - P11	SBBC M25/P11 *	M25	Pg11	7	10
M25 - P16	SBBC M25/P16 *	M25	Pg16	7	10
M25 - P21	SBBC M25/P21	M25	Pg21	8	10
M32 - P21	SBBC M32/P21	M32	Pg21	8	10
M50 - Pg42	SBBC M50/P42	M50	Pg42	7	10

* Hexagonal design

VENTILATION PLUGS - POLYAMIDE & METAL



Type A



Type C



Type F



Type D

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 68 rating of the enclosure while allowing for the above benefits.

Technical Details :

Material	Polyamide 6 Stainless Steel
Colour	RAL 7035 (Light Grey) RAL 9005 (Black)
Membrane Material	Acrylic copolymer on nylon support
Membrane Feature	Hydrophobic - Oleophobic
O Ring	Nitrile Rubber (NBR)
Temperature Range	-20° C to +100° C Continuous -30° C to +150° C Intermittent
Protection Class	IP 68 / IP 67 (Pressure 0.1 bar)
Flammability	V2 according to UL 94
Approvals	UL

Ventilation Plug in Polyamide

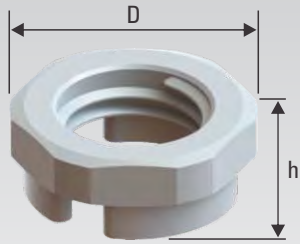
Size	Cat. No. Light Grey	Cat. No. Black	Thread Diameter TD (mm)	Thread Length TL (mm)	Design Type	Avg. Air Flow lt/hour	Water Intrusion Pressure (Bar)
M 12 x 1.5	SBVPB-11L	SBVPB-21L	12	10	A	16	0.9
M 12 x 1.5	HBVPB-11L	HBVPB-21L	12	10	A	120	0.2
M 12 x 1.5	UHBVPB-11L	UHBVPB-21L	12	10	A	300	0.1
M 16 x 1.5	SBVPF-11	SBVPF-21	16	10	A	42	0.9
M 20 x 1.5	UHBVPE-11	UHBVPE-21	20	10	E	750	0.1
M 40 x 1.5	HBVPX-18S	HBVPX-28S	40	18	F	1350	0.2

Ventilation Plug in Stainless Steel

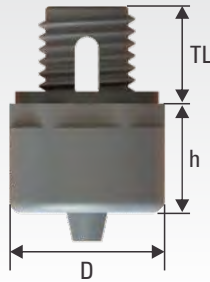
Size	Cat. No.	Cat. No.	Thread Diameter TD (mm)	Thread Length TL (mm)	Design Type	Avg. Air Flow lt/hour	Water Intrusion Pressure (Bar)
M 12 x 1.5	SBBVP-01L	-	12	10	C	16	0.9
M 16 x 1.5	SBBVP-02L	-	16	6	C	16	0.9
M 20 x 1.5	SBBVP-03L	-	20	6	C	16	0.9
M 40 x 1.5	SBBVPX-05	-	40	10	D	120	0.9

POLYAMIDE DRAIN PLUGS

Locknut



Drain Plug



Polyamide Drain Plugs balances pressure difference between inner housing and outside environment. It also prevents the formation of water condensation in tightly sealed housings.

Technical Details :

Material	Polyamide 66
Protection Class	IP 56 / IP 66
Flammability	V2 according to UL 94
Temperature Range	-20° C to +100° C Continuous -30° C to +150° C Intermittent

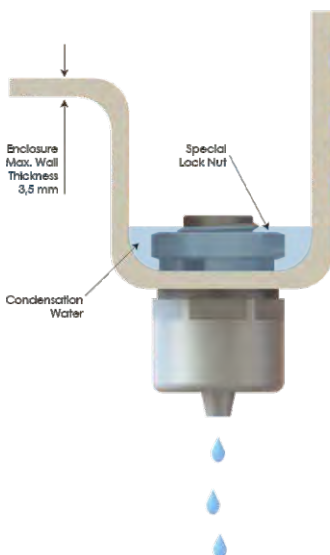
Metric Thread

Size	Cat. No. Light Grey	Cat. No. Black	Outer Diameter D (mm)	Thread Length TL (mm)	Height h (mm)
M 12 x 1.5	BPDRP-11	BPDRP-21	19	12	17

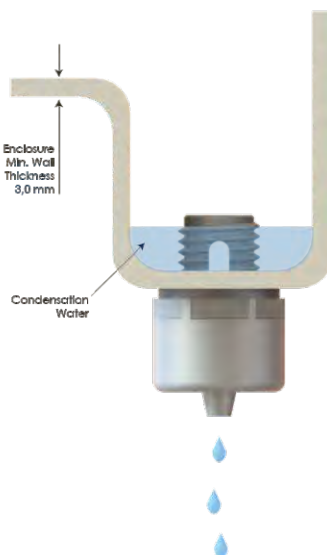
Special Lock Nuts for drain plugs

Size	Cat. No. Light Grey	Cat. No. Black	Outer Diameter D (mm)	(mm)	Height h (mm)
M12 X 1.5	BMDL-1S	BMDL-2S	19.2	18	7

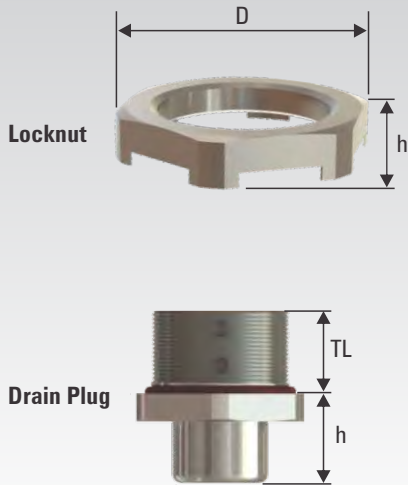
With special lock nut



Without special lock nut



METAL DRAIN PLUGS



Metal Drain Plugs balances pressure difference between inner housing and outside environment. It also prevents the formation of water condensation in tightly sealed housings.

Technical Details :

Material Body	Brass Nickel Plated / Stainless Steel
Bushing	Bronze
O Ring	Silicon
Protection Class	IP 68 - 5 Bar, 30 min IP 66 - 5 Bar, 30 min
Temperature Range	-60°C to +85°C

Metric Thread - Drain Plug - Brass

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

NPT Thread - Drain Plug - Brass

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

Special Lock Nuts for drain plugs - Brass

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



Special Lock Nut for Drain Plug

