

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	    DNV-GL

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	DNV-GL

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	     DNV·GL

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	  DNV-GL

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	  DNV-GL

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	BMBC-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	  DNV·GL

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

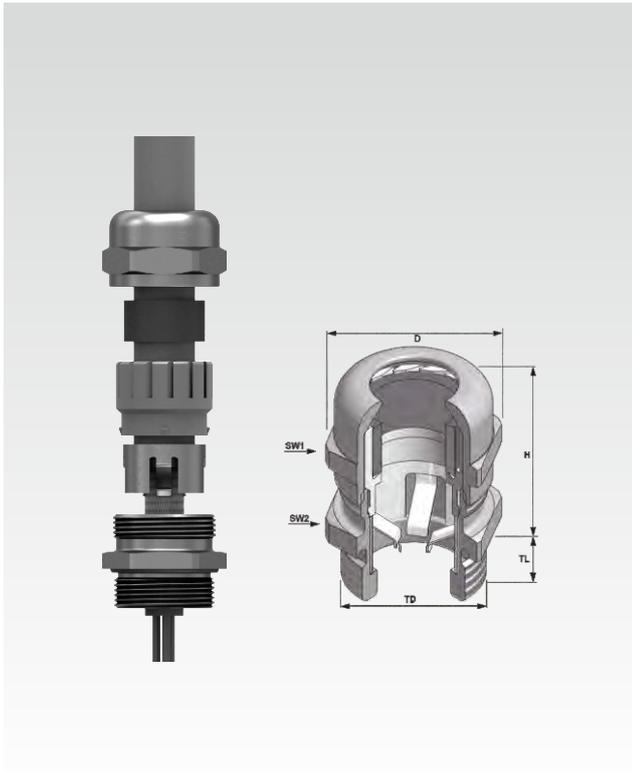
Metric Double Seal Cable Gland

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	  DNV-GL

Pg Thread - 2nd Generation

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (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)	 (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

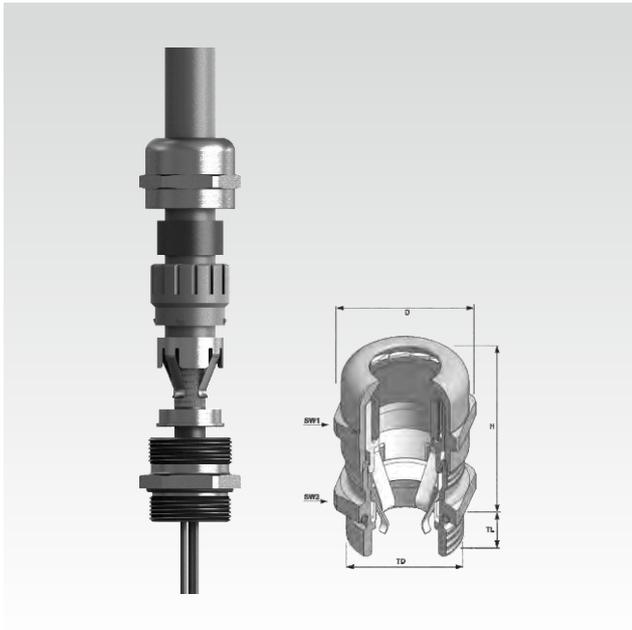
Metric Long Thread Cable Gland - 2nd Generation

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	  

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	DNV-GL

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	  DNV·GL

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



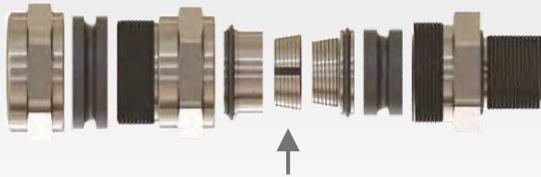
Push the grommet into the hole



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.

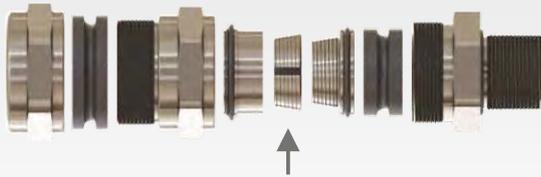
Technical Details :

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 Silicone -40°C to +100°C -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 ARMURED 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 Silicone -40°C to +100°C -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



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BUILDING

MARINE



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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**.