

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 and Brass 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 WHERE YOU NEED IT

www.controlwell.com








STANDARD POLYAMIDE CABLE GLANDS

PG 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 reduced clamping range are also available on request. They are manufactured according to requirement of EN 50262.

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





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

Glands with Reducing Sealing

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




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 reduced clamping range are also available on request. They are manufactured according to requirement of EN 50262.

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


STANDARD POLYAMIDE CABLE GLANDS

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	BM-0S	BM-2S	12	8	15	3 - 6.5	100
M 16 x 1.5	BM-EN-01	BM-EN-21	16	8	19	4 - 8	50
M 16 x 1.5	BM-01	BM-21	16	10	22	5 - 10	50
M 16 x 1.5	BM-01L	BM-21L	16	15	22	5 - 10	50
M 20 x 1.5/2	BM-02	BM-22	20	10	24	6 - 12	50
M 20 x 1.5/L	BM-02L	BM-22L	20	15	24	6 - 12	50
M 20 x 1.5/3	BM-03	BM-23	20	10	27	10 - 14	50
M 20 x 1.5/4	BM-04	BM-24	20	15	27	10 - 14	50
M 25 x 1.5	BM-EN-03	BM-EN-23	25	8	29	11 - 17	25
M 25 x 1.5/5	BM-05	BM-25	25	10	33	13 - 18	25
M 25 x 1.5/6	BM-06	BM-26	25	15	33	13 - 18	25
M 32 x 1.5	BM-EN-04	BM-EN-24	32	10	36	15 - 21	25
M 32 x 1.5	BM-07	BM-27	32	18	42	18 - 25	25
M 40 x 1.5	BM-EN-05	BM-EN-25	40	10	46	19 - 28	10
M 40 x 1.5	BM-08	BM-28	40	18	53	22 - 32	10
M 50 x 1.5	BM-09	BM-29	50	18	60	30 - 38	10
M 63 x 1.5	BM-10	BM-30	63	18	65	34 - 44	10

Glands with Reducing Sealing

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	BI-0S	BI-2S	12	8	15	2 - 5	100
M 16 x 1.5	BI-01	BI-21	16	10	22	3 - 7	50
M 16 x 1.5	BI-01L	BI-21L	16	15	22	3 - 7	50
M 20 x 1.5/2	B-02	BI-22	20	10	24	5 - 9	50
M 20 x 1.5/L	BI-02L	BI-22L	20	15	24	5 - 9	50
M 20 x 1.5/3	BI-03	BI-23	20	10	27	7 - 12	50
M 20 x 1.5/4	BI-04	BI-24	20	15	27	7 - 12	50
M 25 x 1.5/5	BI-05	BI-25	25	10	33	9 - 16	25
M 25 x 1.5/6	BI-06	BI-26	25	15	33	9 - 16	25
M 32 x 1.5	BI-07	BI-27	32	18	42	12 - 20	25
M 40 x 1.5	BI-08	BI-28	40	18	53	20 - 26	10
M 50 x 1.5	BI-09	BI-29	50	18	60	25 - 31	10
M 63 x 1.5	BI-10	BI-30	63	18	65	29 - 35	10








STANDARD POLYAMIDE CABLE GLANDS

NPT 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 reduced clamping range are also available on request. They are manufactured according to requirement of EN 50262.

Technical Details :	
Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black) RAL 7035 (L.Grey) on request
Protection Class	IP 68-5 Bar
Sealing Ring	CR-Chloroprene Rubber
Temperature Range	-20°C to +100°C Continuous, -30°C to +150°C Intermittent
Attachment Thread	ANSI B 1.20.1
Approvals	   





Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BSPA-01	BSPA-21	16.70	15	22	5 - 10	50
NPT 1/2"	BSPB-02	BSPB-22	20.95	15	24	6 - 12	50
NPT 1/2"	BSPC-02	BSPC-22	20.95	15	27	10 - 14	50
NPT 3/4"	BSPD-03	BSPD-23	26.40	15	33	13 - 18	25
NPT 1"	BSP-04	BSP-24	33.20	18	42	18 - 25	20

Glands with Reducing Sealing

Size	Cat. No. Grey	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
NPT 3/8"	BSPA-01R	BSPA-21R	16.70	15	22	3 - 7	50
NPT 1/2"	BSPB-02R	BSPB-22R	20.95	15	24	5 - 9	50
NPT 1/2"	BSPC-02R	BSPC-22R	20.95	15	27	7 - 12	50
NPT 3/4"	BSPD-03R	BSPD-23R	26.40	15	33	9 - 16	25
NPT 1"	BSP-04R	BSP-24R	33.20	18	42	12 - 20	20




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 also.

Technical Details :	
Material	Polyamide 6
Flammability	UL 94 V2
Colour	RAL 7001 (Grey), RAL 9005 (Black)
Protection Class	IP 68-5 Bar
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	   


SPIRAL CABLE GLANDS



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	100
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	9	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	20
M 20 x 1.5	BMSP-03	BMSP-23	20	10	27	10 - 14	20
M 25 x 1.5	BMSP-05	BMSP-25	25	10	33	13 - 18	20




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)

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

ELBOW CABLE GLANDS



Size	Cat. No. Black	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	EG-21	12.5	8	15	3 - 6	50
Pg 9	EG-22	15.2	8	19	3 - 6	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)
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 7	BD-11	BDF-11	12.5	8	15	3 - 6	-	100
Pg 9	BD-12	BDF-12	15.2	8	19	4.5 - 7	-	100
Pg 11	BD-13	BDF-13	18.6	8	22	6 - 9	-	100
Pg 13.5	BD-14	BDF-14	20.4	9	24	9 - 12	-	100
Pg 16	BD-15	BDF-15	22.5	10	27	11 - 14	-	100
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



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.

Technical Details :	
Material	Brass, Nickel Plated
Flammability	UL 94 V2
Clamping Insert	Polyamide 6
Protection Class	IP 68-5 Bar
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	Pg-DIN 40430 / NPT-ANSI B 1.20.1
Approvals	   

STANDARD BRASS CABLE GLANDS

PG & NPT THREADS



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	50
Pg 16	BSBC-05	22.5	6.5	24	10 - 14	25
Pg 21	BSBC-06	28.3	7.2	30	13 - 18	25
Pg 29	BSBC-07	37.0	8	40	18 - 25	20
Pg 36	BSBC-08	47.0	9	50	22 - 32	15
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	16	11.5	20	4 - 8	50
NPT 3/8"	BNBC-01S	16	11.5	20	5 - 10	50
NPT 1/2"	BNBC-02	21	13	22	6 - 12	50
NPT 1/2"	BNBC-02S	21	13	24	10 - 14	50
NPT 3/4"	BNBC-03	29	13	30	13 - 18	25
NPT 1"	BNBC-04	32	13	43	18 - 25	10







STANDARD BRASS CABLE GLANDS


METRIC THREAD




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.

Technical Details :	
Material	Brass, Nickel Plated
Flammability	UL 94 V2
Clamping Insert	Polyamide 6
Protection Class	IP 68-5 Bar
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	22	5 - 9	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	12 - 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	17 - 24	25
M 32 x 1.5	BMBC-E4	32	8	34	15 - 21	25
M 40 x 1.5	BMBC-05	40	9	40	18 - 25	20
M 40 X 1.5	BMBC-05S	40	8	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	29 - 40	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	17	4 - 8	50
M 16 x 1.5	BMBE-E1	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 40 x 1.5	BMBE-05	40	15	40	18 - 25	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



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
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	Pg-DIN 40430 / Metric - EN 60423
Approvals	   

DOUBLE SEAL BRASS CABLE GLANDS


PG & METRIC THREADS

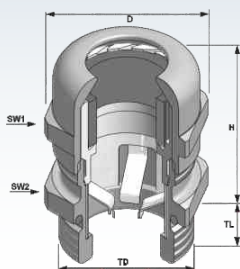


Pg Double Seal Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	BDSP-01	12.5	6	14	4 - 7	50
Pg 9	BDSP-02	15.2	7.5	18	4 - 10	50
Pg 11	BDSP-03	18.6	6	22	5 - 12	50
Pg 13.5	BDSP-04	20.4	6	24	8 - 15	50
Pg 16	BDSP-05	22.5	6	24	8 - 15	25
Pg 21	BDSP-06	28.3	7.6	32	10 - 20	25
Pg 29	BDSP-07	37.0	8	40	19 - 28	20
Pg 36	BDSP-08	47.0	8	50	26 - 35	15
Pg 42	BDSP-09	54.0	10	58	35 - 44	12
Pg 48	BDSP-10	59.3	11	64	37 - 48	12

Metric Double Seal Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	 (mm)	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	4 - 9	50
M 20 x 1.5	BDSM-02	20	6	22	4.5 - 12	50
M 25 x 1.5	BDSM-03	25	7	28	10 - 17.5	25
M 32 x 1.5	BDSM-04	32	8	35	14.5 - 23.5	25
M 40 x 1.5	BDSM-05	40	8	43	16.5 - 27	20
M 50 x 1.5	BDSM-06	50	10	58	35 - 44.5	10
M 63 x 1.5	BDSM-07	63	15	70	45 - 51.5	10
M 72 x 2	BDSM-08	72	16	77	56 - 61	4
M 75 x 1.5	BDSM-09S	75	16	77	56 - 61	4
M 75 x 2	BDSM-09	75	16	77	56 - 61	4
M 80 x 2	BDSM-10	80	18	90	60 - 66	2
M 80 x 2	BDSM-10R	80	18	90	50 - 56	2
M 85 x 2	BDSM-11	85	22	95	68 - 76	2
M 85 x 2	BDSM-11R	85	22	96	63 - 70	2
M 90 x 2	BDSM-12	90	22	95	68 - 76	2
M 110 x 2	BDSM-13	110	25	120	75 - 82	2
M 120 x 2	BDSM-14	120	25	116	88 - 95	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.

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
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)	⌀ (mm)	Clamping Range (mm)	Shield Diameter (mm)	Standard Pack (pieces)
Pg 7	BSEM-01	12.5	6.0	14	3 - 6.5	2.5	50
Pg 9	BSEM-02	15.2	6.0	17	4 - 8	3.0	50
Pg 11	BSEM-03	18.6	6.0	20	5 - 10	4.0	50
Pg 13.5	BSEM-04	20.4	6.5	22	6 - 12	5.0	50
Pg 16	BSEM-05	22.5	6.5	24	10 - 14	8.5	25
Pg 21	BSEM-06	28.3	7.2	30	13 - 18	11.0	25
Pg 29	BSEM-07	37	8.0	40	18 - 25	16.0	20
Pg 36	BSEM-08	47	9.0	50	22 - 32	20.0	15
Pg 42	BSEM-09	54	12.0	58	30 - 38	28.0	12
Pg 48	BSEM-10	59.3	14.0	64	34 - 44	31.0	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	8.0	14	3 - 6.5	2.5	50
Pg 9	BSEN-02	15.2	10.0	17	4 - 8	3.0	50
Pg 11	BSEN-03	18.6	10.0	20	5 - 10	4.0	50
Pg 13.5	BSEN-04	20.4	10.0	22	6 - 12	5.0	50
Pg 16	BSEN-05	22.5	10.0	24	10 - 14	8.5	25
Pg 21	BSEN-06	28.3	12.0	30	13 - 18	11.0	25
Pg 29	BSEN-07	37	12.0	40	18 - 25	16.0	20
Pg 36	BSEN-08	47	14.0	50	22 - 32	20.0	15
Pg 42	BSEN-09	54	16.0	58	30 - 38	28.0	12
Pg 48	BSEN-10	59.3	18.0	64	34 - 44	31.0	12

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	50
M16 x 1.5	BMEM-01	16	7	17	4 - 8	3.0	50
M16 x 1.5	BMEM-01S	16	6.5	20	4.5 - 10	3.5	50
M20 x 1.5	BMEM-02	20	8	22	6 - 12	4.5	50
M25 x 1.5	BMEM-03	25	8	24	10 - 14	8.5	25
M25 x 1.5	BMEM-03S	25	8	30	12 - 18	10.5	25
M32 x 1.5	BMEM-04	32	9	30	13 - 18	11.0	25
M32 x 1.5	BMEM-04S	32	8	40	17 - 24	14.0	25
M40 x 1.5	BMEM-05	40	9	40	18 - 25	16.0	20
M40 x 1.5	BMEM-05S	40	8	50	22 - 32	20.0	20
M50 x 1.5	BMEM-06	50	9	50	22 - 32	20.0	15
M50 x 1.5	BMEM-06S	50	9	57	29 - 40	26.0	10
M63 x 1.5	BMEM-07	63	14	64	34 - 44	31.0	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	50
M16 x 1.5	BMEN-01	16	12.0	17	4 - 8	3.0	50
M20 x 1.5	BMEN-02	20	12.0	22	6 - 12	4.5	50
M25 x 1.5	BMEN-03	25	12.0	24	10 - 14	8.5	25
M32 x 1.5	BMEN-04	32	15.0	30	13 - 18	11.0	25
M40 x 1.5	BMEN-05	40	15.0	40	18 - 25	16.0	20
M50 x 1.5	BMEN-06	50	15.0	50	22 - 32	20.0	15
M63 x 1.5	BMEN-07	63	18.0	64	34 - 44	31.0	12

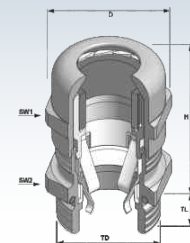


The 3rd generation EMC cable glands offer an advantage that as the gland is tightened the contact force exerted on the braided portion of the cable also increases, this leads to a lower contact resistance. Also the wider gap between the contact leaves allows for an easier insertion and removal of the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

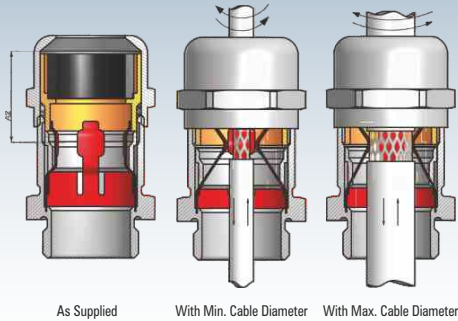
Technical Details :	
Material	Brass, Nickel Plated
Clamping Insert	Polyamide 6 V2
Contact Spring	Special Copper Alloy
Sealing Ring	CR-Chloroprene Rubber
O Ring	Perbunan (NBR)
Protection Class	IP 68-5 Bar
Oper. Temperature	-20°C to +100°C Continuous -40°C to +150°C Intermittant
Attachment Threads	EN 60423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

EMC BRASS CABLE GLANDS

METRIC THREAD - 3RD GENERATION

**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	50
M16 x 1.5	BMEM-E1	16	7	20	5 - 10	4.0	50
M20 x 1.5	BMEM-E2	20	8	22	6 - 12	5.0	50
M25 x 1.5	BMEM-E3	25	8	27	11 - 17	9.5	25
M32 x 1.5	BMEM-E4	32	8	34	15 - 21	13.5	25
M40 x 1.5	BMEM-E5	40	9	43	19 - 28	17.0	20
M50 x 1.5	BMEM-E6	50	9	55	22 - 32	25.0	12
M63 x 1.5	BMEM-E7	63	14	68	34 - 44	31.0	12



As Supplied

With Min. Cable Diameter




With Max. Cable Diameter

EMC BRASS CABLE GLANDS

(4TH GENERATION)



These offer the biggest 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	Neoprene
O Ring	Perbunan (NBR)
Protection Class	IP 68-5 Bar
Oper. Temperature	-20° C to +100° C -40° C to +300° 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 9	BSEM-E2(PG9T)	15.2	6.0	17	4 - 8	3 - 4	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	6.0	22	6 - 12	4.5 - 10	50
Pg 16	BSEM-E5(PG16T)	22.5	8.0	24	7.5 - 14	5.5 - 11.5	25
Pg 21	BSEM-E6(PG21T)	28.3	8.0	30	10 - 18	7 - 14	25
Pg 29	BSEM-E7(PG29T)	37	9.0	40	16 - 25	12 - 20	25
Pg 36	BSEM-E8(PG36T)	47	9.0	50	22 - 32	18 - 27	20
Pg 42	BSEM-E9(PG42T)	54	9.0	58	30 - 38	26 - 34	10
Pg 48	BSEM-E0(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(NPT 1/4"T)	13.7	6	14	3 - 6.5	2 - 5	50
NPT 3/8"	BNEM-E1(NPT 3/8"T)	17.1	6	20	5 - 10	3.5 - 8	50
NPT 1/2"	BNEM-E2S(NPT 1/2"T)	21.2	8	22	6 - 12	4.5 - 10	50
NPT 1/2"	BNEM-E2(NPT 1/2"T)	21.2	8	24	7.5 - 14	5.5 - 11.5	50
NPT 3/4"	BNEM-E3(NPT 3/4"T)	26.5	8	30	10 - 18	7 - 14	25
NPT 1"	BNEM-E4(NPT 1"T)	33.2	9	40	16 - 25	12 - 20	25
NPT 1 1/4"	BNEM-E5(NPT 1 1/4"T)	41.9	9	50	22 - 32	18 - 27	20
NPT 1 1/2"	BNEM-E6(NPT 1 1/2"T)	48	9	58	32 - 38	26 - 34	10
NPT 2"	BNEM-E7(NPT 2"T)	60	14	64	34 - 44	30 - 40	5



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.

Technical Details :	
Material	Stainless Steel (AISI 303) St. Steel (AISI 316L) On Request
Clamping Insert	Polyamide 6 V2
Protection Class	IP 68-5 Bar
Sealing Ring	Chloroprene
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
Approvals	   

STANDARD STAINLESS STEEL GLANDS

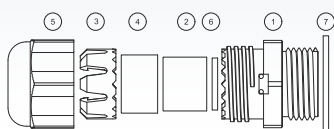


Pg Cable Gland

Size	Cat. No.	Thread Diameter (mm)	Thread Length (mm)	Wrench (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)	Wrench (mm)	Clamping Range (mm)	Standard Pack (pieces)
M12 x 1.5	BMSC-05	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
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



ITEM	PART NAME
7	Washer
6	Inner Washer
5	Plastic Cap
4	Seal
3	Plastic Insert
2	Filter
1	Plastic Body

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.

Technical Details :	
Material	Polyamide 6 Brass Nickel Plated
Colour	RAL 7035 (Light Grey) RAL 9005 (Black)
Temperature Range	-20°C to +80°C Continuous, -30°C to +150°C Intermittent
Protection Class	IP 69
Vent Element	PTFE
Seal	Cloroprene
Washer	Nitrile

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 - 8	25	0.1
Pg 13.5	BSVG-14	BSVG-24	20.4	10	6 - 12	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 - 8	25	0.1
M 16 x 1.5	BMVG-11	BMVG-21	16	10	4 - 8	25	0.1
M 20 x 1.5	BMVG-12	BMVG-22	20	10	6 - 12	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	12.4	6	4 - 8	25	0.1
Pg 9	BSBCVG-02	15.2	6	4 - 8	25	0.1
Pg 11	BSBCVG-03	18.5	6	5 - 10	35	0.1
Pg 13.5	BSBCVG-04	20.4	6.5	6 - 12	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	6	4 - 8	25	0.1
M 16 x 1.5	BMBCVG-01	16	7	4 - 8	25	0.1
M 16 x 1.5	BMBCVG-01L	16	7	5 - 10	35	0.1
M 20 x 1.5	BMBCVG-02	20	8	6 - 12	50	0.1



Rutaseal and Simpleseal 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 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 4.0 mm.

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 44: 1984
Protection Class	IP67

RUTASEAL

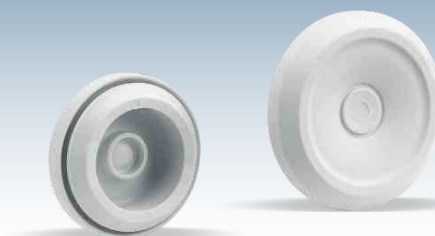


Size	Cat. No. Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
Pg 7	TRGP7G	TRGP7B	13	3-5	50
Pg 9	TRGP9G	TRGP9B	16	5-7	50
Pg 11	TRGP11G	TRGP11B	19	7-10	50
Pg 16	TRGP16G	TRGP16B	23	10-14	50
Pg 21	TRGP21G	TRGP21B	29	14-20	25
Pg 29	TRGP29G	TRGP29B	38	20-26	25
Pg 36	TRGP36G	TRGP36B	48	26-35	10
M12 x 1.5	TRGM12G	TRGM12B	12.5	4-7	50
M16 x 1.5	TRGM16G	TRGM16B	16.5	5-9	50
M20 x 1.5	TRGM20G	TRGM20B	20.5	8-13	50
M25 x 1.5	TRGM25G	TRGM25B	25.5	11-17	50
M32 x 1.5	TRGM32G	TRGM32B	32.5	15-20	25
M40 x 1.5	TRGM40G	TRGM40B	40.5	19-28	25
M50 x 1.5	TRGM50G	TRGM50B	50.5	27-35	10
M63 x 1.5	TRGM63G	TRGM63B	63.5	34-45	5



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

SIMPLE SEAL



Size	Cat. No. Light Grey	Cat. No. Black	Panel Cutout Diameter (mm)	Clamping Range (mm)	Standard Pack (pieces)
M16 x 1.5	TSSM16LG	TSSM16B	16.5	5-10	50
M20 x 1.5	TSSM20LG	TSSM20B	20.5	6-13	50
M25 x 1.5	TSSM25LG	TSSM25B	25.5	8-17	50
M32 x 1.5	TSSM32LG	TSSM32B	32.5	12-24	25