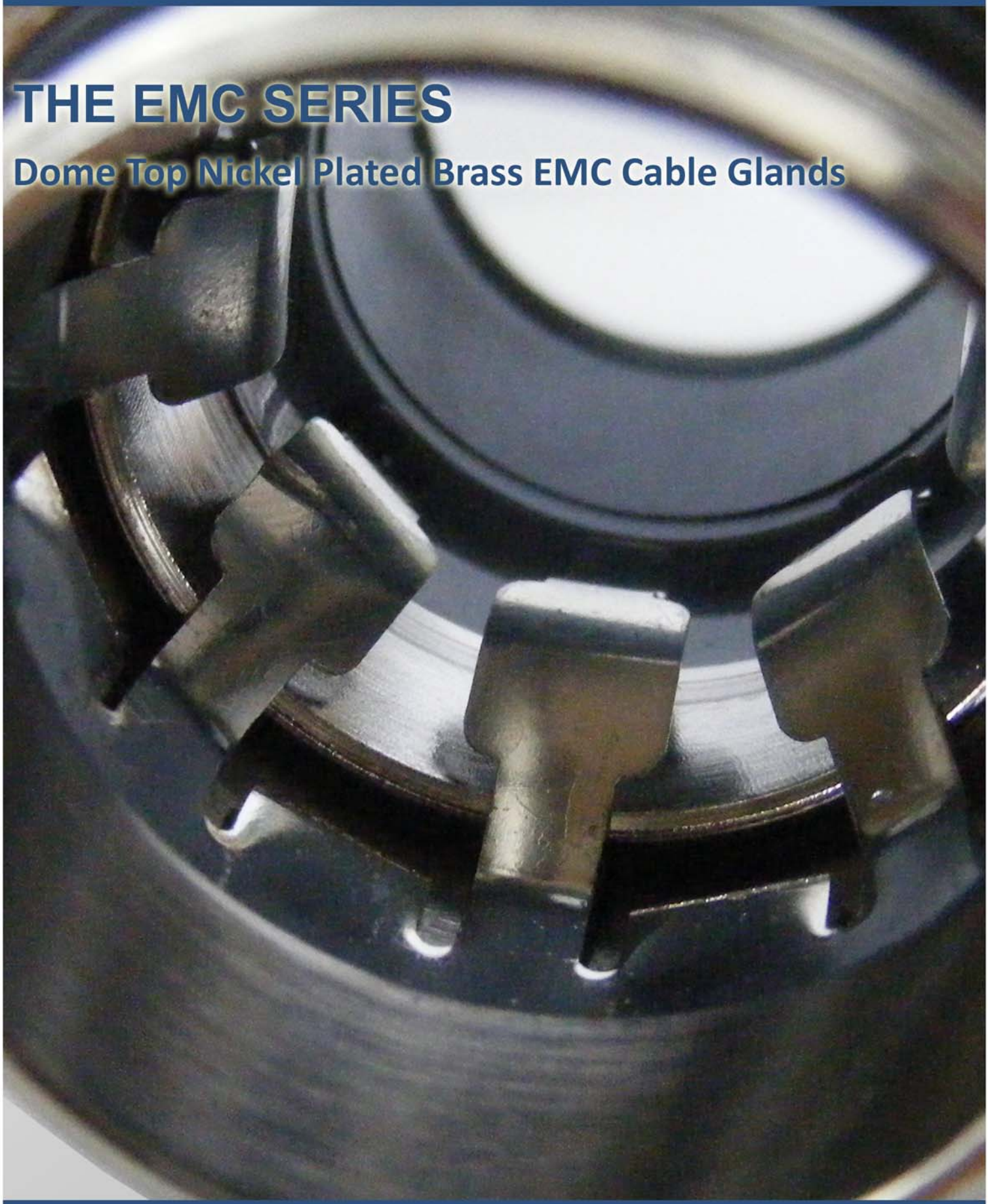
bimed

THE EMC SERIES

Dome Top Nickel Plated Brass EMC Cable Glands

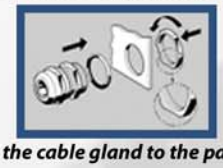


APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

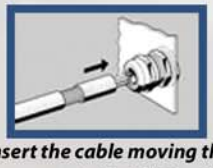
bimed EMC Cable Glands

The Bimed EMC cable gland range offers three primary types of spring contact that combine the same IP68 protection and clamping range as the standard nickel plated brass gland but with the added benefit of EMC protection. The innovative product design across all three series delivers features that make the product effective yet simple to install. The diagram below demonstrates just how easy to use this product is.



Fix the cable gland to the panel

Remove the outer sheath of the cable to reveal the screen



Insert the cable moving the screen up to the EMC spring

Lock and tighten

Bimed's EMC cable gland range is available in three families as follows:

- **Generation Two** - EMC performance is achieved by the use of a fixed Beryllium Copper spring that offers superior elastic modulus properties over competitors stainless steel springs enabling a positive contact with either copper braids or tapes.
- **Generation Three** - This Series offers all of the benefits offered in the generation two range, but with open spring fingers that allow for both horizontal and longitudinal movement of cables during assembly.
- **Generation Four** - Offers all of the features and benefits of the 2nd & 3rd generation products, but with the addition of Bimed's patented reverse action spring that offers superior performance under conditions of vibration.

Contents

This short form details the range of IP68 EMC cable glands available from Bimed throught AP Technology offering an in depth range of high quality metallic cable glands coupled with a commercially attractive offer to the martket.

When viewing this publication electronically, clicking one of the buttons below will take you directly to that gland series page.

For further information on Bimed's extensive range of cable glands or to arrange a visit by a member of our team, please do not hesitate to contact us on the number below

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed

Founded in 2001 AP Technology is an ISO 9001 approved specialist supplier of interconnect products including connectors, wire, cable and management products. We supply an extensive range of materials from a broad range of specialist vendors shipping to manufacturers, sub-contractors, installers & resellers worldwide, enabling us to deliver an end to end solution for your interconnect needs.

Our principle differentiator is our service, in addition to our range of standard products we offer a variety of customised products and supply chain solutions to meet your individual requirements including:

- **Contract Pricing**
- **No Minimum Order Value on Stocked Products**
- **Engineering Support**
- **Scheduled & Call Off Orders**
- **In House Cable Assembly Manufacture**
- **Proactive Inventory Management**

Our Line Card Includes

bimed *manufactures one of the most in-depth portfolios of metallic & plastic glands, together with an extensive range of sizes and styles including Metric, Pf, Pg & NPT threads. In addition to a broad range of ATEX, Dome-top & Spiral glands, Bimed utilise in-house product development, engineering and manufacturing to support both bespoke applications in addition to delivering market leading & innovative products such as the new G4 EMC cable gland*

TecniKabel *Has focussed its expertise in the design and manufacture of cables for use in the machine tool, robotic and Industrial automation applications, concentrating on the supply of bespoke and custom cables with a wide range of approvals including a broad range of listings and approvals for both UL & CSA.*

HUGRO® *Founded in 1960 Hugro has established itself as a manufacturer of innovative and high quality products including enclosures, specialist cable glands and cable protection products.*

ILME *Industrai Lombarda Materiale Electtrico, based in Milan has been manufacturing connectors since 1938. ILME offer one of the broadest ranges of multipole & electrical connectors available on the market today, Including innovative and unique products such as the CSH push fit connector and the T type plastic enclosure.*

intercontec infinite connections *Since its foundation in 1996 by Wolfgang Pfeiffer, Intercontec has grown to become the connector manufacturer of choice for the world's leading motor and encoder manufacturers due to the breath of product choice, coupled with their passion for innovation. Manufactured in Germany, the range contains a variety of plan forms for power and signal applications, offering the most in-depth collection of M17, M23, M40 & M58 connectors available on the market today.*

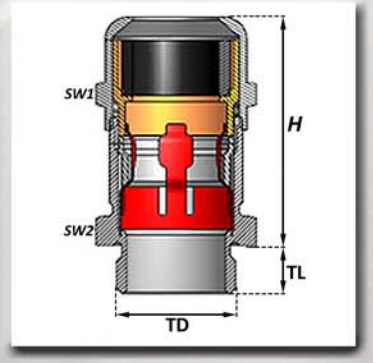
JAMES MONROE WIRE & CABLE CORPORATION *is a manufacturer of insulated wire and cable products. The manufacturing capabilities range from electronic and communication products to power and control cables to highly specialized cables for Industrial, Military, Security, Submarine and Medical applications.*

Nexans *Is a worldwide leader in cable technology , it offers an extensive range of cables and cabling systems including the most comprehensive range of high-performance control, robotic ,chain, encoder, motor power, bus and sensor application cables for control and process applications.*

TKD *Offers one of the most diverse ranges of cable and cable accessories in Europe with over 30,000 active designs ,Including cables with UL/CSA and VDE approvals for a multitude of applications in a wide variety of industries.*

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz
VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

Metric Thread - 4th Generation EMC Cable Glands

Size	M12 x 1.5	M16 x 1.5	M20 X 1.5	M20 X 1.5	M25 X 1.5	M32 X 1.5	M40 X 1.5	M50 X 1.5	M63 X 1.5	M63 X 1.5
Part No.	BMEM-ES-G4	BMEM-E1-G4	BMEM-E2S-G4	BMEM-E2-G4	BMEM-E3-G4	BMEM-E4-G4	BMEM-E5-G4	BMEM-E6-G4	BMEM-E7-G4	BMEM-E7L-G4
TD (mm)	12	16	20	20	25	32	40	50	63	63
TL (mm)	6	6	6	8	8	9	9	9	14	10
Spanner 1 (mm)	14	20	22	24	30	40	50	58	68	75
Spanner 2 (mm)	14	20	22	24	30	40	50	60	64	75
Max Height (mm)	28	34	32	38	42	50	57	67	69	72
Clamping Range (mm)										
Min Ø	3	5	6	7.5	10	16	22	30	34	37
Max Ø	6.5	10	12	14	18	25	32	38	44	53
Shield Diameter Range (mm)										
Min Ø	2	3.5	4.5	5.5	7	12	18	26	30	33
Max Ø	5	8	10	11.5	14	20	27	34	40	49

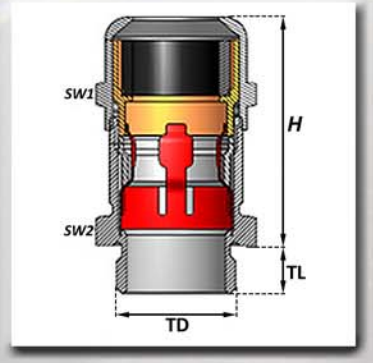
APTechnology

Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831

www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

Pg Thread - 4th Generation EMC Cable Glands

Size		Pg 7	Pg 9	Pg 11	Pg 13.5	Pg 16	Pg 21	Pg 29	Pg 36	Pg 42	Pg 48
Part No.		BSEM-E1-G4	BSEM-E2-G4	BSEM-E3-G4	BSEM-E4-G4	BSEM-E5-G4	BSEM-E6-G4	BMEM-E7-G4	BSEM-E8-G4	BSEM-E9-G4	BSEM-E0-G4
TD	(mm)	12.5	15.2	18.6	20.4	22.5	28.3	37	47	54	59.3
TL	(mm)	6		6	6	8	8	9	9	9	14
Spanner 1	(mm)	14		20	22	24	30	40	50	58	68
Spanner 2	(mm)	14		20	22	24	30	40	50	60	64
Max Height	(mm)	22		28	26	30	34	41	48		
Clamping Range	(mm)										
Min Ø		3		5	6	7.5	10	16	22	30	34
Max Ø		6.5		10	12	14	18	25	32	38	44
Shield Diameter Range	(mm)										
Min Ø		2		3.5	4.5	5.5	12	12	18	26	30
Max Ø		5		8	10	11.5	20	20	27	34	40

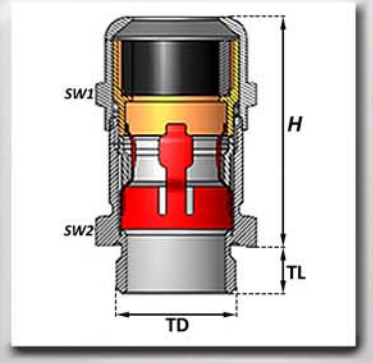
APTechnology

Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831

www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

NPT Thread - 4th Generation EMC Cable Glands

Size		NPT 1/4"	NPT 3/8"	NPT 1/2"	NPT 1/2"	NPT 3/4"	NPT 1"	NPT 1 1/4"	NPT 1 1/2"	NPT 2"
Part No.		BNEM-ES-G4	BNEM-E1-G4	BNEM-E2S-G4	BNEM-E2-G4	BNEM-E3-G4	BNEM-E4-G4	BNEM-E5-G4	BNEM-E6-G4	BNEM-E7-G4
TL	(mm)	6	6	8	8	8	9	9	9	14
Spanner 1	(mm)	14	20	22	24	30	40	50	58	68
Spanner 2	(mm)	14	20	22	24	30	40	50	60	64
Max Height	(mm)	28	34	32	38	42	50	57	67	69
Clamping Range	(mm)									
Min Ø		3	5	6	7.5	10	16	22	30	34
Max Ø		6.5	10	12	14	18	25	32	38	44
Shield Diameter Range	(mm)									
Min Ø		2	3.5	4.5	5.5	7	12	18	26	30
Max Ø		5	8	10	11.5	14	20	27	34	40

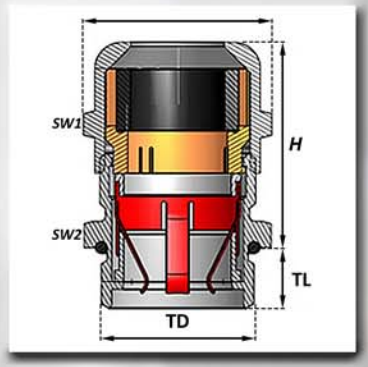
APTechnology

Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831

www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

Euro Metric Thread - 3rd Generation EMC Cable Glands

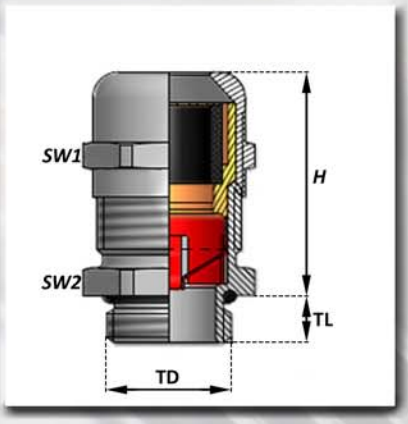
Size		M12 x 1.5	M16 x 1.5	M20 X 1.5	M25 X 1.5	M32 X 1.5	M40 X 1.5	M50 X 1.5	M63 X 1.5
Part No.		BMEM-ES	BMEM-E1	BMEM-E2	BMEM-E3	BMEM-E4	BMEM-E5	BMEM-E6	BMEM-E7
TD	(mm)	12	16	20	25	32	40	40	63
TL	(mm)	6	7	8	8	8	9	9	14
Spanner 1	(mm)	14	20	22	27	34	43	58	64
Spanner 2	(mm)	14	20	22	27	34	43	58	68
Max Height	(mm)	21.5	25.3	26.5	32.7	36.3	44.5	51.5	52.9
Clamping Range	(mm)								
Min Ø		3	5	6	11	15	19	27	34
Max Ø		6.5	10	12	17	21	28	38	44
Shield Diameter Range	(mm)								
Min Ø		2	3.5	4.5	5.5	7	12	18	26

APTechnology

Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

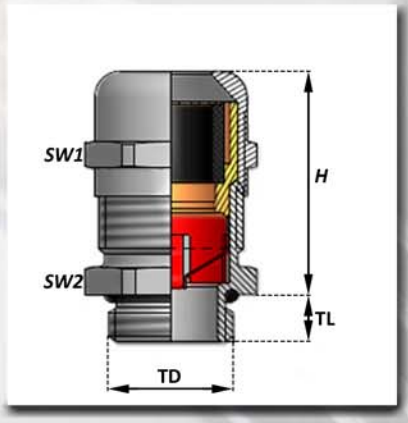
Metric Thread - EMC 2nd Generation Cable Glands

Size		M12 x 1.5	M16 x 1.5	M16 x 1.5	M20 x 1.5	M25 x 1.5	M25 x 1.5	M32 x 1.5
Part No.		BMEM-0S	BMEM-01	BMEM-01S	BMEM-02	BMEM-03	BMEM-03S	BMEM-04
TD	(mm)	12	16	16	20	25	25	32
TL	(mm)	6	7	6.5	8	8	8	9
Spanner 1	(mm)	14	17	20	22	24	30	30
Spanner 2	(mm)	14	18	20	22	27	30	34
Clamping Range	(mm)							
Min Ø		3.0	4.0	4.5	6.0	10.0	12.0	13.0
Max Ø		6.5	8.0	10.0	12.0	14.0	18.0	18.0
Shield Diameter Range	(mm)							
Min Ø		2.5	3.0	3.5	4.5	8.5	10.5	11.0

Size		M32 x 1.5	M40 x 1.5	M40 x 1.5	M50 x 1.5	M50 x 1.5	M63 x 1.5	M63 x 1.5
Part No.		BMEM-04S	BMEM-05	BMEM-05S	BMEM-06	BMEM-06S	BMEM-07	BMEM-07S
TD	(mm)	32	40	40	50	50	63	63
TL	(mm)	8	9	8	9	9	14	10
Spanner 1	(mm)	40	40	50	50	57	64	75
Spanner 2	(mm)	40	43	50	55	57	68	75
Clamping Range	(mm)							
Min Ø		17.0	18.0	22.0	22.0	29.0	34.0	37.0
Max Ø		24.0	25.0	32.0	32.0	40.0	44.0	53.0
Shield Diameter Range	(mm)							
Min Ø		14.0	16.0	20.0	20.0	26.0	31.0	34.0

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz
VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

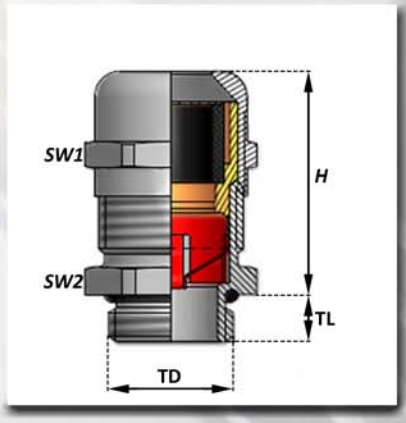
Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

Metric Thread - 2nd Generation EMC Cable Glands With Long Thread

Size	M12 x 1.5	M16 x 1.5	M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 X 1.5
Part No.	BMEN-0S	BMEN-01	BMEN-02	BMEN-03	BMEN-04	BMEN-05	BMEN-06	BMEN-07
TD (mm)	12	16	20	25	32	40	50	63
TL (mm)	12	12	12	12	15	15	15	18
Spanner 1 (mm)	14	17	22	24	30	40	50	64
Spanner 2 (mm)	14	18	22	27	34	43	55	68
Clamping Range (mm)								
Min Ø	3.0	4.0	6.0	10.0	13.0	18.0	22.0	34.0
Max Ø	6.5	8.0	12.0	14.0	18.0	25.0	32.0	44.0
Shield Diameter Range (mm)								
Min Ø	2.5	3.0	4.5	8.5	11.0	16.0	20.0	31.0

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz
VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

Pg Thread - 2nd Generation EMC Cable Glands

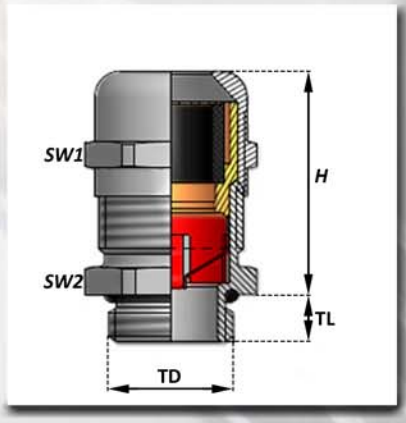
Size		Pg 7	Pg 9	Pg 11	Pg 13.5	Pg 16	Pg 21	Pg 29	Pg 36	Pg 42	Pg 48
Part No.		BSEM-01	BSEM-02	BSEM-03	BSEM-04	BSEM-05	BSEM-06	BSEM-07	BSEM-08	BSEM-09	BSEM-10
TD	(mm)	12.5	15.2	18.6	20.4	22.5	28.3	37	47	54	59.3
TL	(mm)	6	6	6	6.5	6.5	7.2	8	9	12	14
Spanner 1	(mm)	14	17	20	22	24	30	40	50	58	64
Spanner 2	(mm)	14	17	20	22	24	30	40	50	58	64
Clamping Range	(mm)										
Min Ø		3.0	4.0	5.0	6.0	10.0	13.0	18.0	22.0	30	34
Max Ø		6.5	8.0	10.0	12.0	14.0	18.0	25.0	32.0	38	44
Shield Diameter Range	(mm)										
Min Ø		2.5	3.0	4.0	5.0	8.5	11.0	16.0	20.0	28.0	31.0

Pg Thread - 2nd Generation EMC Cable Glands With Long Thread

Size		Pg 7	Pg 9	Pg 11	Pg 13.5	Pg 16	Pg 21	Pg 29	Pg 36	Pg 42	Pg 48
Part No.		BSEN-01	BSEN-02	BSEN-03	BSEN-04	BSEN-05	BSEN-06	BSEN-07	BSEN-08	BSEN-09	BSEN-10
TD	(mm)	12.5	15.2	18.6	20.4	22.5	28.3	37	47	54	59.3
TL	(mm)	8	10	10	10	10	12	12	14	16	18
Spanner 1	(mm)	14	17	20	22	24	30	40	50	58	64
Spanner 2	(mm)	14	17	20	22	24	30	40	50	58	64
Clamping Range	(mm)										
Min Ø		3.0	4.0	5.0	6.0	10.0	13.0	18.0	22.0	30	34
Max Ø		6.5	8.0	10.0	12.0	14.0	18.0	25.0	32.0	38	44
Shield Diameter Range	(mm)										
Min Ø		2.5	3.0	4.0	5.0	8.5	11.0	16.0	20.0	28.0	31.0

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz
VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

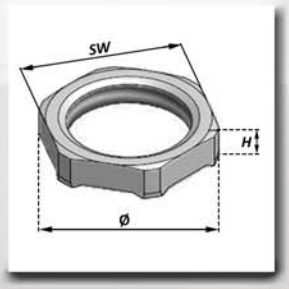
Material Body	Brass, Nickel Plated
Seal	Neoprene
Material of EMC Spring	Copper Beryllium
Protection Class	IP 68
Temperature Range	-40°C to 100°C
Clamping Insert	Polyamide 6
O Ring	NBR
Approvals	UL, CSA & VDE

NPT Thread - 2nd Generation EMC Cable Glands

Size	NPT 3/8"	NPT 1/2"	NPT 3/4"	NPT 1"
Part No.	BNEM-01	BNEM-02	BMEM-03	BNEM-04
TD (mm)	17	21.2	26.5	33.2
TL (mm)	11.5	13	13	13
Spanner 1 (mm)	20	22	30	40
Spanner 2 (mm)	20	22	30	43
Clamping Range (mm)				
Min Ø	5.0	6.0	13.0	18.0
Max Ø	10.0	12.0	18.0	25.0
Shield Diameter Range (mm)				
Min Ø	4.0	3.5	11.0	16.0

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz
VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441

bimed



Technical details

Material	**Brass,Nickel Plated**

Metric Thread - EMC Brass Lock Nuts

Size	M12x1.5	M16x1.5	M20x1.5	M25x1.5	M32x1.5	M40x1.5	M50X1.5	M63X1.5
Part No.	BMEL-01	BMEL-02	BMEL-03	BMEL-04	BMEL-05	BMEL-06	BMEL-07	BMEL-08
Spanner (mm)	15	19	24	30	36	46	60	70

Pg Thread - EMC Brass Lock Nuts

Size	Pg 7	Pg 9	Pg 11	Pg 13.5	Pg 16	Pg21	Pg29	Pg 36	Pg 42	Pg 48
Part No.	BSEL-01	BSEL-02	BSEL-03	BSEL-04	BSEL-05	BSEL-06	BSEL-07	BSEL-08	BSEL-09	BSEL-10
Spanner (mm)	15	18	21	23	26	32	41	51	60	64

In addition to bimeds extensive range of hexagonal lock nuts a range of non-flanged lock nuts is also available, for further details please contact us.

APTechnology
Tel: +44 (0) 844 344 0829
Fax: +44 (0) 844 344 0831
www.aptechnology.biz
connect@aptechnology.biz

VAT No: 848 3552 00
Company Registration No: 5158605
ISO 9001 Registration No:00/441