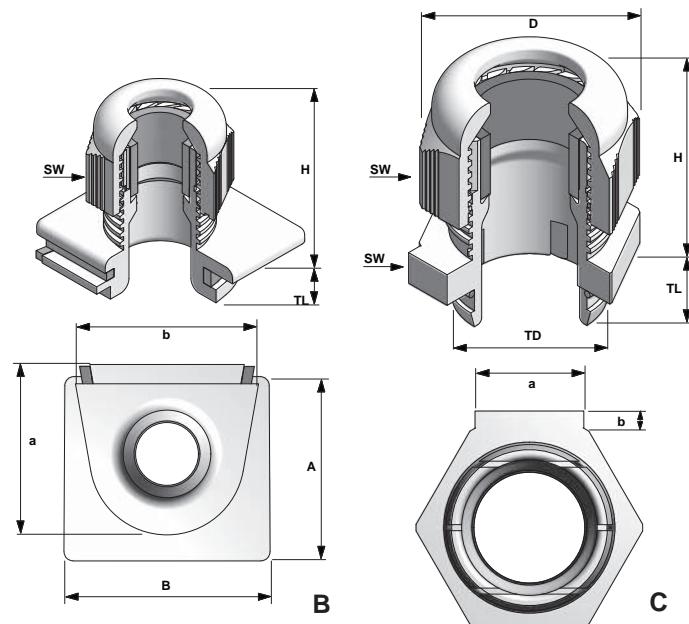
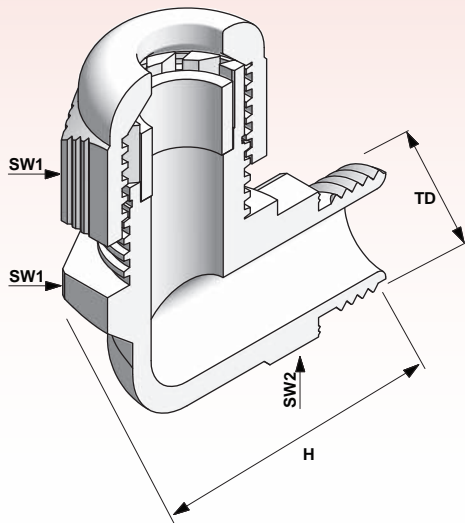


Technical Details	
<b>Material</b>	
Body	Polyamide 6
Cap	Polyamide 6
Seal	Chloroprene
O-ring	NBR
Flammability	V2 (According to UL 94)
Protection Degree	IP 68
<b>Working Temperatures</b>	
Permanent	-20°C to +80°C
Intermittent	-30°C up to +150°C
<b>Attachment Thread</b> DIN 40430	
<b>Remarks</b>	
Manufactured according to the requirements of EN 50262	



Thread Size	Technical Information										Codes			Type		
	Clamping Range		h mm	d mm	D mm	A mm	a mm	B mm	b mm	Max H mm	SW1 mm	SW2 mm	Ral 7001		Ral 7035	Ral 9005
	Standard	Reducing Seal														
Pg9	4,0 - 8,0	3,0 - 6,0	4,0	12,0	21,7	-	-	-	-	25,0	19	19	QF-02	QF-12	QF-22	A
Pg16	10,0 - 14,0	7,0 - 12,0	-	-	-	30,7	28,2	34,2	30,4	30,5	27	-	QFV-05	QFV-15	QFV-25	B
Pg21	13,0 - 18,0	9,0 - 16,0	4,5	25,6	37,8	-	18,2	-	3,0	38,0	33	33	QF-06	QF-16	QF-26	C



Technical Details		
<b>Material</b>		
Body	Polyamide 6	
Cap	Polyamide 6	
Seal	Chloroprene	
O-ring	NBR	
Flammability	V2 (According to UL 94)	
Protection Degree	IP 68-5 bar	
<b>Working Temperatures</b>		
Permanent	-20°C to +80°C	
Intermittent	-30°C up to +150°C	
<hr/>		
Attachment Thread	DIN 40430	

CUSTOMER ORIENTED PRODUCTS

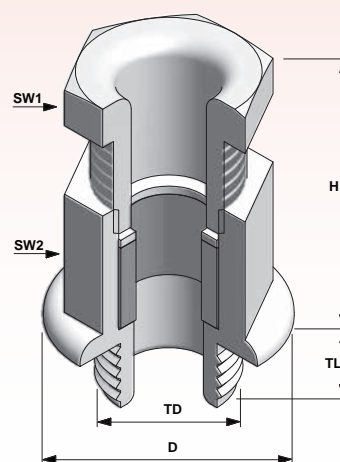
Technical Information								Codes			
Thread Size	Clamping Range		TD mm	TL mm	L mm	Max. H mm	SW1 mm	SW2 mm	Ral 7001	Ral 7035	Ral 9005
	Standard	Reducing Seal									
Pg7	4,0 - 8,0	3,0 - 6,0	12,50	8	28	24	19	15	EG-01	EG-11	EG-21
Pg9	4,0 - 8,0	3,0 - 6,0	15,20	8	29	26	19	19	EG-02	EG-12	EG-22




# DIN TYPE METRIC GLANDS

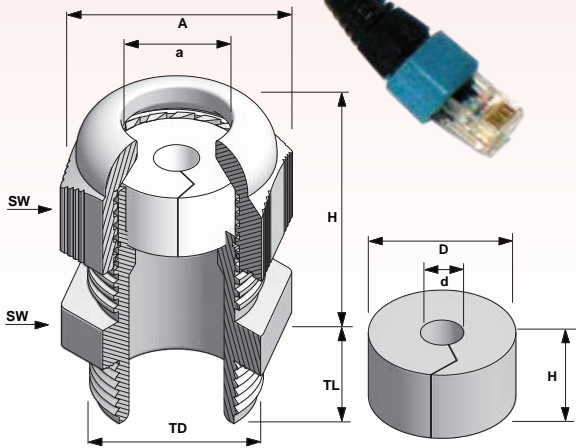
BDM

CUSTOMER ORIENTED PRODUCTS


Technical Details	
<b>Material</b>	
Body	Polyamide 6
Cap	Polyamide 6
Seal	Chloroprene
Flammability	V2 (According to UL 94)
Protection Degree	IP 68-5 bar
<b>Working Temperatures</b>	
Permanent	-20°C to +100°C
Intermittent	-30°C up to +150°C
<b>Attachment Thread</b>	
	EN 60423



Thread Size	 Clamping Range Ø min-max mm	Technical Information					Codes			
		TD mm	TL mm	D mm	Max. H mm	 SW1 mm	 SW2 mm	Ral 9005	Ral 9003	Ral 3020
M20x1,5	7,0 - 10,0	20	10	24,6	27	19	19	BDM-22	BDM-42	BDM-52
M20x1,5	10,0 - 13,0	20	10	28,0	30	23	23	BDM-23	BDM-43	BDM-53



Technical Details		
<b>Material</b>		
Body	Polyamide 6	
Cap	Polyamide 6	
Seal	Chloroprene	
Flammability	V2 (According to UL 94)	
Protection Degree	IP 68-5 bar	
<b>Working Temperatures</b>		
Permanent	-20°C to +100°C	
Intermittent	-30°C up to +150°C	
<b>Attachment Thread</b>		
	Metric - EN 60423	
	Pg - DIN 40430	
<b>Benefits</b>		
	These cable glands are manufactured with a split rubber seal. The cap and body holes are big enough to accept the RJ45 connector. On the other hand the rubber inner diameter is small enough to provide a good seal, while a split still allows for cable insertion. During the application, the design supports assembly without having to disassemble the RJ 45 connector from the cable. This feature is also supported by the brass or EMC cable glands. For more information please contact us.	

Technical Information										Codes		
Thread Size	TD mm	TL mm	H mm	 SW mm	a mm	A mm	d mm	D mm	h mm	Ral 7001	Ral 7035	Ral 9005
M20x1,5	20	15	31	27	14,5	31	6	18,0	9,3	BMRJ-05	BMRJ-15	BMRJ-25
M25x1,5 (EU)	25	8	33	29	17,3	33	6	20,4	10,7	BMRJ-EN-03	BMRJ-EN-13	BMRJ-EN-23
Pg16	23	10	31	27	14,5	31	6	18,0	9,3	BSRJ-05	BSRJ-15	BSRJ-25
Pg21	29	11	35	33	18,5	33	6	22,9	12,2	BSRJ-06	BSRJ-16	BSRJ-26

# NDL CABLE GLANDS

# BSND-BMND

CUSTOMER ORIENTED PRODUCTS

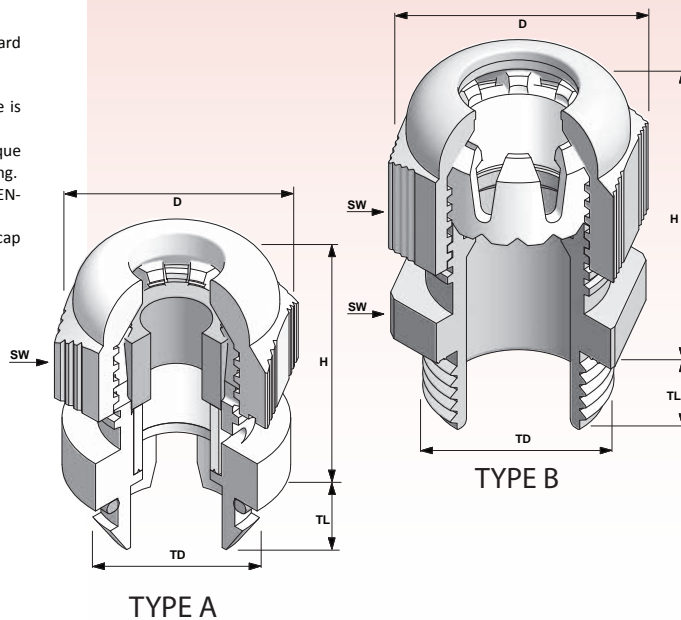
Technical Details	
<b>Material</b>	
Body	Polyamide 6
Cap	Polyamide 6
Seal	Chloroprene
Flammability	V2 (According to UL 94)
Protection Degree	IP 68-5 bar
<b>Working Temperatures</b>	
Permanent	-20°C to +100°C
Intermittent	-30°C up to +150°C
<b>Attachment Thread</b>	
	Metric - EN 60423
	Pg - DIN 40430
<b>Remarks</b>	
Manufactured according to the requirements of EN 50262	

The NDL (New Design Lamelling) cable glands are developed according the demands of our clients. The goal of this work is to meet requirements for specialized applications.

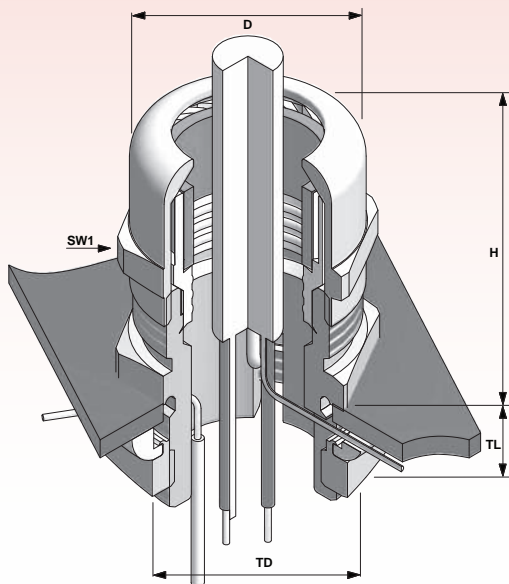
The advantages and leak points of the NDL plastic cable glands in comparison with the standard ones can be listed as follows:

- The volume of the gland is relatively small . The total height on the enclosure is considerably shorter than average.
- Higher strain and torsion reliefs are obtained with lower cap tightening torque levels. The required values can sometimes be reached even with hand tightening.
- The gland performance meets the EN-60335 standards in addition to the EN-50262 requirements.
- The tightening fingers may cause some prints on the cable outer sheath if the cap is overtight. But there is not any caused damage.
- The protection degree is IP 55 for standard seals, IP 67 for reduced seals.

The recommended application area is for small, flat and limited space devices.



Technical Information							Codes	Type
Thread Size	Clamping Range Ø min-max mm	TD mm	TL mm	D mm	Max H mm	SW mm	Ral 9005	
Pg 9	4,0 - 8,0	15,20	8	21,5	21,5	19	BSND-22	A
Pg 11	5,0 - 10,0	18,60	8	25,0	24,0	22	BSND-23	A
M16x1,5	4,0 - 8,0	16,00	10	21,5	21,5	19	BMND-21 (S)	A
M16x1,5	5,0 - 10,0	16,00	10	25,0	24,0	22	BMND-21	A
Pg 9	4,0 - 8,0	15,20	3	21,5	19,5	19	BSND-22 (QF)	B
Pg 11	5,0 - 10,0	18,60	3	25,0	22,0	22	BSND-23 (QF)	B



Technical Details	
<b>Material</b>	
Body	Brass Nickel Plated
Cap	Brass Nickel Plated
Clamping Insert	Polyamide 6
Seal	Chloroprene
O-Ring	NBR
Flammability	V2 (According to UL 94)
Protection Degree	IP 68-5 bar
<b>Working Temperatures</b>	
Permanent	-20°C to +100°C
Intermittent	-40°C up to +150°C
<b>Attachment Thread</b>	
	Metric - EN 60423

This system is used for grounding or shielding when brass cable glands are used with metallic enclosures.

The lock nut is composed of two parts;

A nut with hexagonal pans,

A Swivel washer with two or three wire grooves.

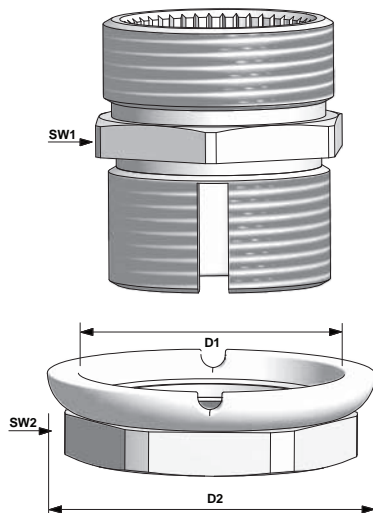
The function of the lock nut in regards to the swivel washer is to push the earthing wire of the twisted shielding braid against the metallic enclosure. As a result, the earthing and the continuity of the shielding is realised with a simple lock nut tightening operation. An additional groove is created for accomodating other internal earthing connection cables.

Reciprocally, two or three splits are prevised on the gland "fixation thread" section. These splits permit to pass the earthing on shielding wires to the enclosure inner surface level without disturbing the lock nut.

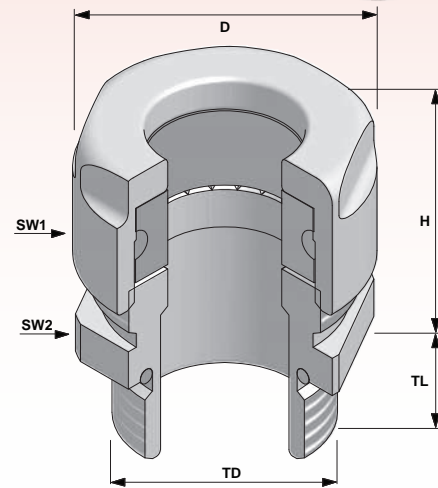
The swivel mechanism permits the tightening operation without any damage to the earthing conductors, which do not rotate with the lock nut movement.

The M25 EU brass cable gland below is prepared as an illustrative drawing.

Technical Information									Codes
Size	Clamping Range Ø min-max mm	TD mm	TL mm	Max H mm	D1 mm	D2 mm	SW1 mm	SW2 mm	
M25x1,5 (EU)	11,0 - 17,0	25	15	31,5	29,5	37,0	27	30	BGSR-E3



Technical Details		
Material	Cap	Brass, Nickel Plated or Black Cr. Plated / Plastic, Special TP
	Body	Brass, Nickel Plated or Black Cr. Plated / Plastic, Special TP
	Seal	Choloroprene or Silicone Rubber
	O-ring	NBR or Silicone Rubber
Number of Seals	Single Seal for full clamping range	
Protection class	IP 68 - 5 Bar	
Working Temperature	-40°C to + 120°C	
Attachment Thread	Metric - EN 60423	



Type	Clamping Range ∅ min-max mm	Technical Information									Code
		Material	TD mm	TL mm	SW1 mm	SW2 mm	Max. H mm	Max. D mm	Cap Tightening Torque	Total weight gr	
M16X1,5	4,0 - 11,0	Special grade TP	16	8	21	21	26,5	25,0	8	15	BMNG-01
		Brass						23,3		34	BMNGB-01
		Black Chromate						23,0		34	BMNGC-01
M20X1,5	5,0 - 13,0	Special grade TP	20	9	24	24	31,0	28,0	10	26	BMNG-02
		Brass						26,8		58	BMNGB-02
		Black Chromate						26,8		58	BMNGC-02
M25X1,5S	6,5 - 15,5	Special grade TP	25	10	28	28	35,0	32,0	12	40	BMNG-03S
		Brass						30,8		88	BMNGB-03S
		Black Chromate						30,8		88	BMNGC-03S
M25X1,5L	10,0 - 20,0	Special grade TP	25	10	30	30	37,0	35,0	15	48	BMNG-03L
		Brass						33,5		105	BMNGB-03L
		Black Chromate						33,5		105	BMNGC-03L