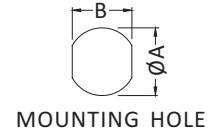
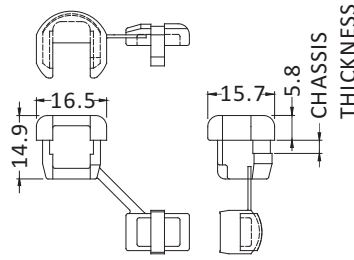




CAP. 12
Cable Clamps and
Cable Glands
Serracavi e
Pressacavi

SWITCH POWER BUSHING

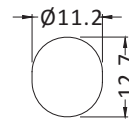
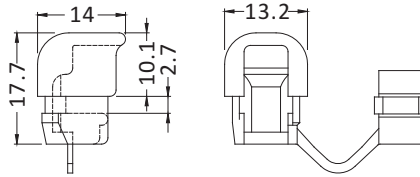
- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm



PART NO	WILL FIT THESE CABLE			CHASSIS DIMENSION		CHASSIS THICKNESS	PACKAGE
	UL TYPE DESIGNATION	AWG CONDUCTORS	APPROXIMATE SIZE	A	B		
MOSSB6P44	SPT-2	18/3	3.0X7.6	15.9	14.0	2~2.5	500
		16/3	4.1X10.4				

STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm

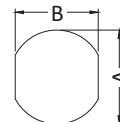
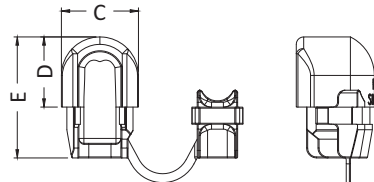


HOLE IN CHASSIS
MAXIMUM THICKNESS: 2.5

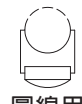
PART NO	WIRE ACCOMMODATED	PACKAGE
MOSSB4L4	SPT-2(3X6.6)	500
MOSSB5L4	SV(Ø6.0)	

STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66 (UL)
- ◆ FLAME CLASS: 94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm



MOUNTING HOLE

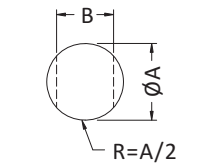
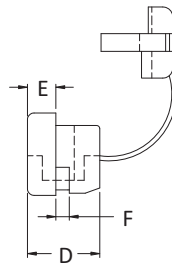
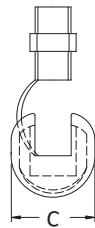


ROUND TYPE

PART NO	CORD TYPE	SIZE(AWG) OF CONDUCTOR	CHASSIS DIMENSION		CHASSIS THICKNESS MAX	DIMENSION			SECTION SHAPE	PACKAGE
			A	B		C	D	E		
MOSSB6L6	SJT	18/3C	15.9	14.0	3.2	15.4	14.2	24.5	ROUND TYPE	100
MOSSB7L2	SJT	14/3C	19.0	16.5	3.2	19.5	16.3	27.8		

STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66 (UL)
- ◆ FLAME CLASS: 94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm



MOUNTING HOLE

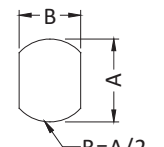
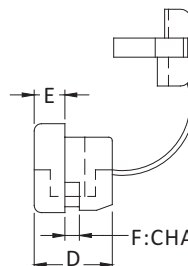
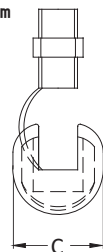


ROUND TYPE

PART NO	WILL FIT THESE CABLE	CHASSIS DIMENSION		CHASSIS THICKNESS	DIMENSION			SECTION SHAPE	PACKAGE
	SIZE	A	B	F	C	D	E		
MOS2P1	Ø3.0~4.7	9.5	8.4	0.8~1.6	10.4	10.4	4.0	FLAT TYPE	500

STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR:BLACK
- ◆ UNIT:mm



MOUNTING HOLE

F: CHASSIS THICKNESS



FLAT TYPE

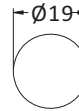
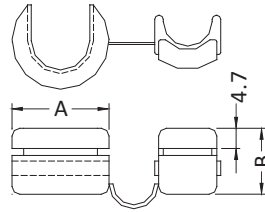
ROUND TYPE



PART NO	CORD TYPE	SIZE(AWG) OF CONDUCTOR	CHASSIS DIMENSION		CHASSIS THICKNESS MAX	DIMENSION			SECTION SHAPE	PACKAGE	
			A	B	F	C	D	E			
MOS2P4	SPT-1	18/2C	9.5	8.7	1.6	10.4	10.4	4.0	FLAT TYPE	1000	
MOS3P4	SPT-1	18/2C	11.0	9.9	1.6	11.5	10.4	4.0			
MOS3W1	SPT-1	18/2C	11.0	9.9	2.5	11.5	10.4	4.0			
MOS4N4	SPT-2	18/2C	12.7	11.8	1.6	13.3	10.4	4.0			
		16/2C	13.1								
MOS4K4	SPT-2	18/2C	12.7	11.8	2.5	13.3	10.5	4.0			
		16/2C	13.1								
MOS5N4	SVT	18/3C	12.7 13.1	11.5	1.6	13.5	10.9	4.2	ROUND TYPE	500	
MOS5P4	SVT	18/3C	12.7 13.1								2.5
MOS6N4	SJT	18/3C	15.9	14.0	1.6	16.8	14.8	5.6			
MOS6P4	SJT	18/3C	15.9	14.0	3.2	16.8	14.8	5.6			
MOS6N34	SJT	16/3C	15.9	14.0	1.6	16.2	15.0	5.6			
MOS6P34	SJT	16/3C	15.9	14.0	3.2	16.2	14.8	5.7			
MOS7N2	SJT	14/3C	19.0	16.5	1.6	19.5	19.1	7.8			
			19.8								
MOS7P2	SJT	14/3C	19.0	16.5	3.2	19.5	19.4	7.8			100
			19.8								

SWITCH POWER BUSHING

- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm

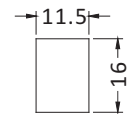
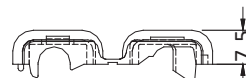
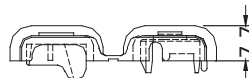
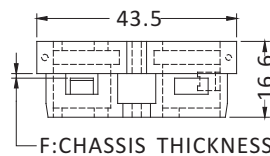
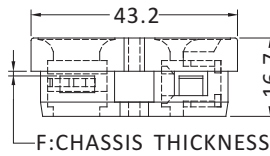


MOUNTING HOLE
THICKNESS 0.8~1.6

PART NO	WILL FIT THESE CABLE		DIMENSION		PACKAGE
	UL/CSA DESCRIPTION	SIZE	A	B	
SB7R-7	SJT3C#10	14.0~17.0	25.0	17.0	100
SB7R-7SP		12.0~15.2	25.3	17.8	

SQUARE STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm



MOSSB4F4

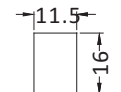
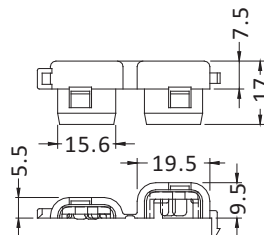
MOSSB5R5

MOUNTING HOLE

PART NO	WILL FIT THESE CABLE		CHASSIS THICKNESS	PACKAGE
	UL/CSA DESCRIPTION	SIZE	F	
MOSSB4F4	SPT-1,SPT-2	3X5.6, 3.71X7.6	0.8~1.2	250
MOSSB5R5	SVT3C#18	∅6.6~7.2	0.8~1.2	

SQUARE STRAIN RELIEF BUSHING

- ◆ MATERIAL: NYLON 66(UL)
- ◆ FLAME CLASS :94V-2
- ◆ COLOR: BLACK
- ◆ UNIT: mm



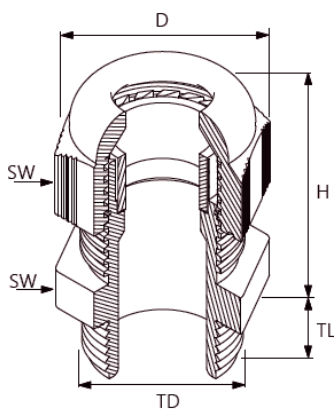
MOUNTING HOLE
THICKNESS: 0.8~1.2

PART NO	WILL FIT THESE CABLE		PACKAGE
	UL/CSA DESCRIPTION	SIZE	
MOSSB4F6	SPT1,SPT-2	3X5.6, 3.71X7.6	200

METRIC THREAD CABLE GLANDS



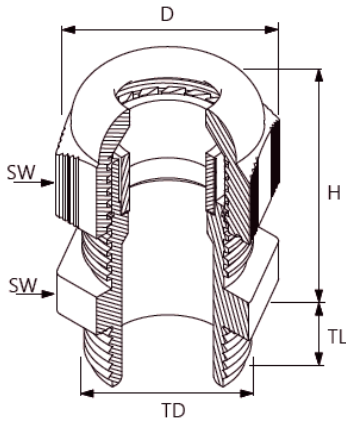
- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
 - Permanent -20 °C up to +100 °C
 - Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: EN 60423
- ◆ Benefits: Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Other colours on request (Red-White-Blue), Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm



PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BM-05	BM-15	BM-25	M12x1,5	3,0 - 6,5	8,0	12,0	15,0	23,0	17,2	100	6.000
BM-01	BM-11	BM-21	M16x1,5	5,0 - 10,0	10,0	16,0	22,0	30,0	25,2	50	2400
BM-01L	BM-11L	BM-21L	M16x1,5	5,0 - 10,0	15,0	16,0	22,0	30,0	25,2	50	2000
BM-02	BM-12	BM-22	M20x1,5	6,0 - 12,0	10,0	20,0	24,0	30,0	27,7	50	1800
BM-02L	BM-12L	BM-22L	M20x1,5	6,0 - 12,0	15,0	20,0	24,0	30,0	27,7	50	1800
BM-03	BM-13	BM-23	M20x1,5	10,0 - 14,0	10,0	20,0	27,0	33,0	31,0	50	1600
BM-04	BM-14	BM-24	M20x1,5	10,0 - 14,0	15,0	20,0	27,0	33,0	31,0	50	1800
BM-05	BM-15	BM-25	M25x1,5	13,0 - 18,0	10,0	25,0	33,0	35,5	37,2	25	750
BM-06	BM-16	BM-26	M25x1,5	13,0 - 18,0	15,0	25,0	33,0	35,5	37,2	25	750
BM-07	BM-17	BM-27	M32x1,5	18,0 - 25,0	15,0	32,0	42,0	41,0	47,5	20	600
BM-08	BM-18	BM-28	M40x1,5	22,0 - 32,0	18,0	40,0	53,0	50,0	60,0	10	200
BM-09	BM-19	BM-29	M50x1,5	30,0 - 38,0	18,0	50,0	60,0	54,0	67,7	10	200
BM-10	BM-20	BM-30	M63x1,5	34,0 - 44,0	18,0	63,0	65,0	54,5	72,2	10	200
Glands With Reducing Seal											
BI-05	BI-15	BI-25	M12x1,5	2,0 - 5,0	8,0	12,0	15,0	23,0	17,2	100	6.000
BI-01	BI-11	BI-21	M16x1,5	3,0 - 7,0	10,0	16,0	22,0	30,0	25,2	50	2.400
BI-01L	BI-11L	BI-21L	M16x1,5	3,0 - 7,0	15,0	16,0	22,0	30,0	25,2	50	2.000
BI-02	BI-12	BI-22	M20x1,5	5,0 - 9,0	10,0	20,0	24,0	30,0	27,7	50	1.800
BI-02L	BI-12L	BI-22L	M20x1,5	5,0 - 9,0	15,0	20,0	24,0	30,0	27,7	50	1.800
BI-03	BI-13	BI-23	M20x1,5	7,0 - 12,0	10,0	20,0	27,0	33,0	31,0	50	1.600
BI-04	BI-14	BI-24	M20x1,5	7,0 - 12,0	15,0	20,0	27,0	33,0	31,0	50	1.800
BI-05	BI-15	BI-25	M25x1,5	9,0 - 16,0	10,0	25,0	33,0	35,5	37,2	25	750
BI-06	BI-16	BI-26	M25x1,5	9,0 - 16,0	15,0	25,0	33,0	35,5	37,2	25	750
BI-07	BI-17	BI-27	M32x1,5	12,0 - 20,0	15,0	32,0	42,0	41,0	47,5	20	600
BI-08	BI-18	BI-28	M40x1,5	20,0 - 26,0	18,0	40,0	53,0	50,0	60,0	10	200
BI-09	BI-19	BI-29	M50x1,5	25,0 - 31,0	18,0	50,0	60,0	54,0	67,7	10	200
BI-10	BI-20	BI-30	M63x1,5	29,0 - 35,0	18,0	63,0	65,0	54,5	72,2	10	200



- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
 - Permanent -20 °C up to +100 °C
 - Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: EN 60423
- ◆ Benefits: Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Other colours on request (Red-White-Blue), Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

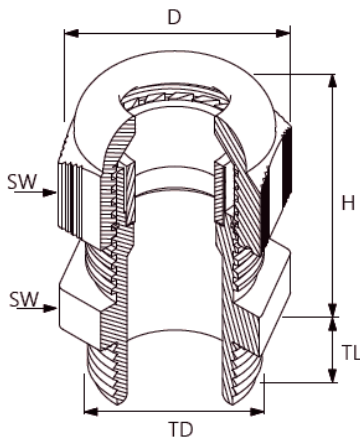


PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BM-EN-0S	BM-EN-1S	BM-EN-2S	M12x1,5	3,0 - 6,5	8,0	12,0	15,0	22,0	17,1	100	6000
BM-EN-0SL	BM-EN-1SL	BM-EN-2SL	M12x1,5	3,0 - 6,5	15,0	12,0	15,0	22,0	17,1	100	6000
BM-EN-01	BM-EN-11	BM-EN-21	M16x1,5	4,0 - 8,0	8,0	16,0	19,0	25,0	21,6	50	3000
BM-EN-02	BM-EN-12	BM-EN-22	M20x1,5	6,0 - 12,0	10,0	20,0	24,0	29,0	27,7	50	1800
BM-EN-02L	BM-EN-12L	BM-EN-22L	M20x1,5	6,0 - 12,0	15,0	20,0	24,0	29,0	27,7	50	1800
BM-EN-03	BM-EN-13	BM-EN-23	M25x1,5	11,0 - 17,0	8,0	25,0	29,0	34,0	32,5	50	1000
BM-EN-03L	BM-EN-13L	BM-EN-23L	M25x1,5	11,0 - 17,0	15,0	25,0	29,0	34,0	32,5	50	1000
BM-EN-04	BM-EN-14	BM-EN-24	M32x1,5	15,0 - 21,0	10,0	32,0	36,0	41,0	41,0	25	750
BM-EN-05	BM-EN-15	BM-EN-25	M40x1,5	19,0 - 28,0	10,0	40,0	46,0	45,5	52,4	20	440
BM-EN-05L	BM-EN-15L	BM-EN-25L	M40x1,5	19,0 - 28,0	18,0	40,0	46,0	45,5	52,4	20	440
BM-EN-06	BM-EN-16	BM-EN-26	M50x1,5	30,0 - 38,0	18,0	50,0	60,0	49,0	67,7	10	200
BM-EN-07	BM-EN-17	BM-EN-27	M63x1,5	34,0 - 44,0	15,0	63,0	65,0	49,0	72,2	10	200
Glands With Reducing Seal											
BM-EN-0SR	BM-EN-1SR	BM-EN-2SR	M12x1,5	2,0 - 5,0	8,0	12,0	15,0	22,0	17,1	100	6000
BM-EN-0SRL	BM-EN-1SRL	BM-EN-2SRL	M12x1,5	2,0 - 5,0	15,0	12,0	15,0	22,0	17,1	100	6000
BM-EN-01R	BM-EN-11R	BM-EN-21R	M16x1,5	2,0 - 6,0	8,0	16,0	19,0	25,0	21,6	50	3000
BM-EN-02R	BM-EN-12R	BM-EN-22R	M20x1,5	5,0 - 9,0	10,0	20,0	24,0	29,0	27,7	50	1800
BM-EN-02RL	BM-EN-12RL	BM-EN-22RL	M20x1,5	5,0 - 9,0	15,0	20,0	24,0	29,0	27,7	50	1800
BM-EN-03R	BM-EN-13R	BM-EN-23R	M25x1,5	9,0 - 13,0	8,0	25,0	29,0	34,0	32,5	50	1000
BM-EN-03RL	BM-EN-13RL	BM-EN-23RL	M25x1,5	9,0 - 13,0	15,0	25,0	29,0	34,0	32,5	50	1000
BM-EN-04R	BM-EN-14R	BM-EN-24R	M32x1,5	11,0 - 15,5	10,0	32,0	36,0	41,0	41,0	25	750
BM-EN-05R	BM-EN-15R	BM-EN-25R	M40x1,5	16,0 - 23,0	10,0	40,0	46,0	45,5	52,4	20	440
BM-EN-05RL	BM-EN-15RL	BM-EN-25RL	M40x1,5	16,0 - 23,0	18,0	40,0	46,0	45,5	52,4	20	440
BM-EN-06R	BM-EN-16R	BM-EN-26R	M50x1,5	25,0 - 31,0	18,0	50,0	60,0	49,0	67,7	10	200
BM-EN-07R	BM-EN-17R	BM-EN-27R	M63x1,5	29,0 - 35,0	18,0	63,0	65,0	49,0	72,2	10	200

PG THREAD CABLE GLANDS



- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
 - Permanent -20 °C up to +100 °C
 - Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: DIN 40430
- ◆ Benefits: Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Other colours on request (Red-White-Blue), Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT: mm

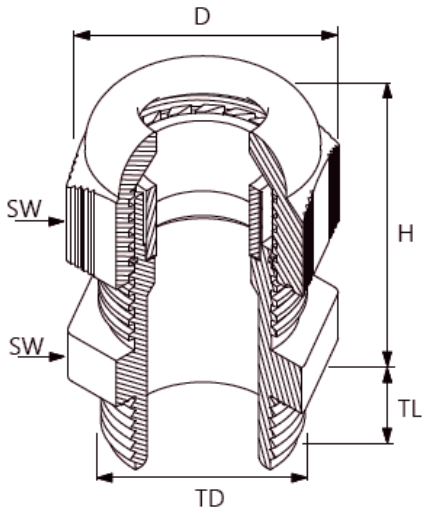


PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BS-01	BS-11	BS-21	Pg 7	3,0 - 6,5	8,0	12,4	15,0	23,0	17,2	100	6.000
BS-02	BS-12	BS-22	Pg 9	4,0 - 8,0	8,0	15,1	19,0	26,5	21,9	50	3.000
BS-03	BS-13	BS-23	Pg 11	5,0 - 10,0	8,0	18,5	22,0	22,0	25,2	50	2.400
BS-04	BS-14	BS-24	Pg 13,5	6,0 - 12,0	10,0	20,3	24,0	29,5	27,7	50	1.800
BS-05	BS-15	BS-25	Pg 16	10,0 - 14,0	10,0	22,5	27,0	32,5	31,0	50	1.600
BS-06	BS-16	BS-26	Pg 21	13,0 - 18,0	11,0	28,1	33,0	35,0	37,2	25	750
BS-07	BS-17	BS-27	Pg 29	18,0 - 25,0	11,0	37,0	42,0	42,0	47,5	20	600
BS-08	BS-18	BS-28	Pg 36	22,0 - 32,0	13,0	46,8	53,0	52,0	60,0	10	250
BS-09	BS-19	BS-29	Pg 42	30,0 - 38,0	13,0	54,0	60,0	54,5	67,7	10	200
BS-10	BS-20	BS-30	Pg 48	34,0 - 44,0	14,0	59,0	65,0	54,5	72,2	10	200
Glands With Reducing Seal											
BSR-01	BSR-11	BSR-21	Pg 7	2,0 - 5,0	8,0	12,4	15,0	23,0	17,2	100	6.000
BSR-02	BSR-12	BSR-22	Pg 9	2,0 - 6,0	8,0	15,1	19,0	26,5	21,9	50	3.000
BSR-03	BSR-13	BSR-23	Pg 11	3,0 - 7,0	8,0	18,5	22,0	22,0	25,2	50	2.400
BSR-04	BSR-14	BSR-24	Pg 13,5	5,0 - 9,0	10,0	20,3	24,0	29,5	27,7	50	1.800
BSR-05	BSR-15	BSR-25	Pg 16	7,0 - 12,0	10,0	22,5	27,0	32,5	31,0	50	1.600
BSR-06	BSR-16	BSR-26	Pg 21	9,0 - 16,0	11,0	28,1	33,0	35,0	37,2	25	750
BSR-07	BSR-17	BSR-27	Pg 29	12,0 - 20,0	11,0	37,0	42,0	42,0	47,5	20	600
BSR-08	BSR-18	BSR-28	Pg 36	20,0 - 26,0	13,0	46,8	53,0	52,0	60,0	10	250
BSR-09	BSR-19	BSR-29	Pg 42	25,0 - 31,0	13,0	54,0	60,0	54,5	67,7	10	200
BSR-10	BSR-20	BSR-30	Pg 48	29,0 - 35,0	14,0	59,0	65,0	54,5	72,2	10	200

NPT THREAD CABLE GLANDS



- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
 - Permanent -20 °C up to +100 °C
 - Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: ANSI B 1.20.1
- ◆ Benefits: Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Other colours on request (Red-White-Blue), Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

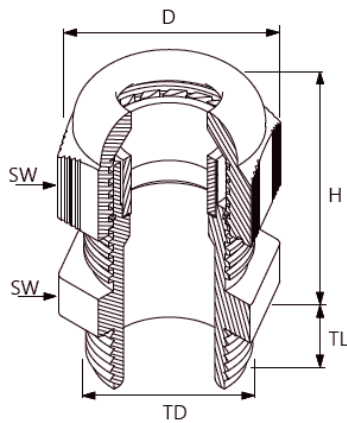


PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX mm	CLAMPING RANGE Ø MIN-MAX inch	TL inch	TD inch	SW inch	MAX H inch	D inch	IN. PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005										
BSPA-01	BSPA-11	BSPA-21	NPT 3/8"	5,0 - 10,0	0,197-0,394	0,590	0,675	0,866	1,140	0,990	50	2.000
BSPB-02	BSPB-12	BSPB-22	NPT 1/2"	6,0 - 12,0	0,236-0,472	0,590	0,840	0,940	1,200	1,090	50	1.800
BSPC-02	BSPC-12	BSPC-22	NPT 1/2"	10,0 - 14,0	0,394-0,551	0,590	0,840	1,062	1,263	1,220	50	1.800
BSPD-03	BSPD-13	BSPD-23	NPT 3/4"	13,0 - 18,0	0,511-0,709	0,590	1,050	1,299	1,397	1,464	25	750
BSP-04	BSP-14	BSP-24	NPT 1"	18,0 - 25,0	0,709-0,984	0,708	1,315	1,650	1,594	1,870	20	600
Glands With Reducing Seal												
BSPA-01R	BSPA-11R	BSPA-21R	NPT 3/8"	3,0 - 7,0	0,118-0,276	0,590	0,675	0,866	1,140	0,990	50	2.000
BSPB-02R	BSPB-12R	BSPB-22R	NPT 1/2"	5,0 - 9,0	0,197-0,354	0,590	0,840	0,940	1,200	1,090	50	1.800
BSPC-02R	BSPC-12R	BSPC-22R	NPT 1/2"	7,0 - 12,0	0,276-0,472	0,590	0,840	1,062	1,263	1,220	50	1.800
BSPD-03R	BSPD-13R	BSPD-23R	NPT 3/4"	9,0 - 16,0	0,354-0,630	0,590	1,050	1,299	1,397	1,464	25	750
BSP-04R	BSP-14R	BSP-24R	NPT 1"	12,0 - 20,0	0,472-0,787	0,708	1,315	1,650	1,594	1,870	20	600

G (R) THREAD CABLE GLANDS



- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
 - Permanent -20 °C up to +100 °C
 - Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: DIN ISO 228
- ◆ Benefits: Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Other colours on request (Red-White-Blue), Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

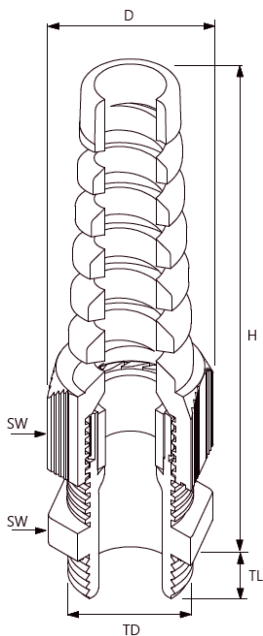


PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BPF-01	BPF-11	BPF-21	G 3/8"	5,0 - 10,0	11,0	16,66	22,0	24,5	25,2	50	2400
BPF-02	BPF-12	BPF-22	G 1/2"	6,0 - 12,0	10,0	20,95	24,0	26,0	27,8	50	1800
BPF-03	BPF-13	BPF-23	G 1/2"	10,0 - 14,0	11,0	20,95	27,0	32,0	31,0	50	1600
BPF-04	BPF-14	BPF-24	G 3/4"	13,0 - 18,0	12,0	26,44	33,0	29,5	37,2	25	750
BPF-05	BPF-15	BPF-25	G 1"	18,0 - 25,0	13,0	33,25	42,0	41,0	47,5	20	600
Glands With Reducing Seal											
BPFR-01	BPFR-11	BPFR-21	G 3/8"	3,0 - 7,0	11,0	16,66	22,0	24,5	25,2	50	2400
BPFR-02	BPFR-12	BPFR-22	G 1/2"	5,0 - 9,0	10,0	20,95	24,0	26,0	27,8	50	1800
BPFR-03	BPFR-13	BPFR-23	G 1/2"	7,0 - 12,0	11,0	20,95	27,0	32,0	31,0	50	1600
BPFR-04	BPFR-14	BPFR-24	G 3/4"	9,0 - 16,0	12,0	26,44	33,0	29,5	37,2	25	750
BPFR-05	BPFR-15	BPFR-25	G 1"	12,0 - 20,0	13,0	33,25	42,0	41,0	47,5	20	600

METRIC THREAD CABLE GLANDS



- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: EN 60423
- ◆ Benefits: Offers additional security against conductor damage especially in moving machine parts, Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT: mm

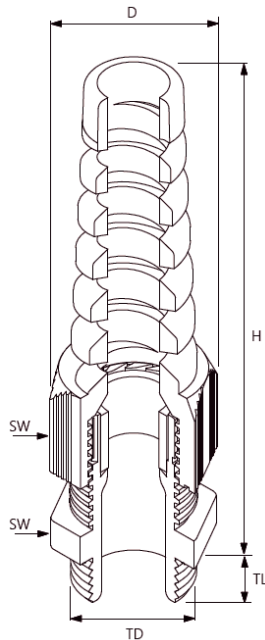


PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BMSP-0S	BMSP-1S	BMSP-2S	M12x1,5	3,0 - 6,5	8	12	15	56,0	17,1	100	4.000
BMSP-01	BMSP-11	BMSP-21	M16x1,5	5,0 - 10,0	10	16	22	81,5	25,2	50	1.500
BMSP-01L	BMSP-11L	BMSP-21L	M16x1,5	5,0 - 10,0	15	16	22	81,5	25,2	50	1.500
BMSP-02	BMSP-12	BMSP-22	M20x1,5	6,0 - 12,0	10	20	24	94,5	27,6	50	1.000
BMSP-02L	BMSP-12L	BMSP-22L	M20x1,5	6,0 - 12,0	15	20	24	94,5	27,6	50	1.000
BMSP-03	BMSP-13	BMSP-23	M20x1,5	10,0 - 14,0	10	20	24	94,5	27,6	50	1.000
BMSP-04	BMSP-14	BMSP-24	M20x1,5	10,0 - 14,0	15	20	27	106,5	31,0	50	500
BMSP-05	BMSP-15	BMSP-25	M25x1,5	13,0 - 18,0	10	25	33	117,0	38,0	25	500
BMSP-06	BMSP-16	BMSP-26	M25x1,5	13,0 - 18,0	15	25	33	117,0	38,0	25	500
Glands With Reducing Seal											
BISP-0S	BISP-1S	BISP-2S	M12x1,5	2,0 - 5,0	8	12	15	56,0	17,1	100	4.000
BISP-01	BISP-11	BISP-21	M16x1,5	3,0 - 7,0	10	16	22	81,5	25,2	50	1.500
BISP-01L	BISP-11L	BISP-21L	M16x1,5	3,0 - 7,0	15	16	22	81,5	25,2	50	1.500
BISP-02	BISP-12	BISP-22	M20x1,5	5,0 - 9,0	10	20	24	94,5	27,6	50	1.000
BISP-02L	BISP-12L	BISP-22L	M20x1,5	5,0 - 9,0	15	20	24	94,5	27,6	50	1.000
BISP-03	BISP-13	BISP-23	M20x1,5	7,0 - 12,0	10	20	27	106,5	31,0	50	500
BISP-04	BISP-14	BISP-24	M20x1,5	7,0 - 12,0	15	20	27	106,5	31,0	50	500
BISP-05	BISP-15	BISP-25	M25x1,5	9,0 - 16,0	10	25	33	117,0	38,0	25	500
BISP-06	BISP-16	BISP-26	M25x1,5	9,0 - 16,0	15	25	33	117,0	38,0	25	500

PG THREAD CABLE GLANDS



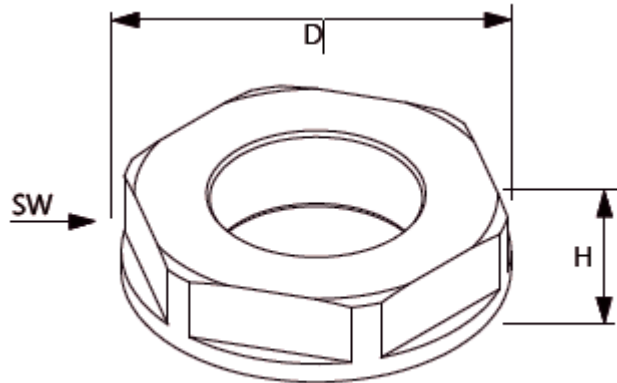
- ◆ Material: Body PA 6 (Polyamide 6), Cap PA 6 (Polyamide 6), Seal CR (Chloroprene Rubber)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection Class: IP 68 - 5 Bar
- ◆ Operating Temperature:
Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
- ◆ Attachment Thread: DIN 40430
- ◆ Benefits: Offers additional security against conductor damage especially in moving machine parts, Easy assembly, Easy handling
- ◆ Accessories: Lock nuts, Dome Plugs, Dust plugs, Reducing seals, Flat cable seals, Multihole seals, Gaskets
- ◆ UV Test Report Ref. & Standard RES 107572 & UL514B § 8.26.7
- ◆ Remarks: Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT: mm



PART NO			THREAD TYPE	CLAMPING RANGE Ø MIN-MAX	TL	TD	SW	MAX H	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005									
BSSP-01	BSSP-11	BSSP-21	Pg 7	3,0 - 6,5	8	12,4	15	56,0	17,2	100	4.000
BSSP-02	BSSP-12	BSSP-22	Pg 9	4,0 - 8,0	8	15,1	19	69,0	21,8	50	2.000
BSSP-03	BSSP-13	BSSP-23	Pg 11	5,0 - 10,0	8	18,5	22	82,5	25,3	50	1.500
BSSP-04	BSSP-14	BSSP-24	Pg 13,5	6,0 - 12,0	9	20,3	24	94,0	27,6	50	1.000
BSSP-05	BSSP-15	BSSP-25	Pg 16	10,0 - 14,0	10	22,5	27	106,0	31,1	50	500
BSSP-06	BSSP-16	BSSP-26	Pg 21	13,0 - 18,0	11	28,1	33	117,0	38,0	25	500
Glands With Reducing Seal											
BSRP-01	BSRP-11	BSRP-21	Pg 7	2,0 - 5,0	8	12,4	15	56,0	17,2	100	4.000
BSRP-02	BSRP-12	BSRP-22	Pg 9	2,0 - 6,0	8	15,1	19	69,0	21,8	50	2.000
BSRP-03	BSRP-13	BSRP-23	Pg 11	3,0 - 7,0	8	18,5	22	82,5	25,3	50	1.500
BSRP-04	BSRP-14	BSRP-24	Pg 13,5	5,0 - 9,0	9	20,3	24	94,0	27,6	50	1.000
BSRP-05	BSRP-15	BSRP-25	Pg 16	7,0 - 12,0	10	22,5	27	106,0	31,1	50	500
BSRP-06	BSRP-16	BSRP-26	Pg 21	9,0 - 16,0	11	28,1	33	117,0	38,0	25	500



- ◆ Material: Lock Nut Polyamide 6, 30% Glass Fibre Reinforced
- ◆ Flammability: UL 94 HB
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
- ◆ Remarks: Manufactured according to the requirements of DIN 46320
- ◆ UNIT:mm

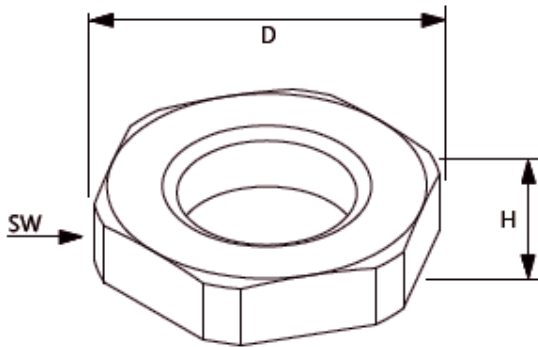


PART NO			THREAD TYPE	H	SW	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005						
Metric Thread (Attachment thread : EN 60423)								
BML-0S	BML-1S	BML-2S	M12x1,5	5	18	19,5	100	10.000
BML-01	BML-11	BML-21	M16x1,5	5	22	24,2	50	7.000
BML-02	BML-12	BML-22	M20x1,5	6	26	28,6	50	5.000
BML-03	BML-13	BML-23	M25x1,5	6	32	35,0	50	3.750
BML-04	BML-14	BML-24	M32x1,5	7	41	46,1	25	2.000
BML-05	BML-15	BML-25	M40x1,5	7	50	55,3	10	1.000
BML-06	BML-16	BML-26	M50x1,5	8	60	66,1	10	750
BML-07	BML-17	BML-27	M63x1,5	8	75	82,5	10	500
Pg Thread (Attachment thread : DIN 40430)								
BL-01	BL-11	BL-21	Pg 7	5	19	21,0	50	10.000
BL-02	BL-12	BL-22	Pg 9	5	22	24,0	50	9.000
BL-03	BL-13	BL-23	Pg 11	5	24	26,0	50	7.000
BL-04	BL-14	BL-24	Pg 13,5	6	27	29,0	50	5.000
BL-05	BL-15	BL-25 50	Pg 16	6	30	33,0	50	4.000
BL-06	BL-16	BL-26	Pg 21	7	36	39,0	25	2.500
BL-07	BL-17	BL-27	Pg 29	7	46	50,0	20	1.500
BL-08	BL-18	BL-28	Pg 36	8	60	66,0	10	750
BL-09	BL-19	BL-29	Pg 42	8	65	73,0	10	500
BL-10	BL-20	BL-30	Pg 48	8	70	78,0	10	500
G(R) Thread (Attachment thread : DIN ISO 228)								
BFL-01	BFL-11	BFL-21	G 3/8"	5	22	25,0	50	7.000
BFL-02	BFL-12	BFL-22	G 1/2"	5	27	30,5	50	5.000
BFL-03	BFL-13	BFL-23	G 3/4"	5	33	37,5	25	2.500
BFL-04	BFL-14	BFL-24	G 1"	6	42	47,5	20	1.500
Npt Thread (Attachment thread: ANSI B 1.20.1) Dimensions is Inch.								
BPL-01	BPL-11	BPL-21	Npt 3/8"	0,276	0,866	0,984	50	7.000
BPL-02	BPL-12	BPL-22	Npt 1/2"	0,276	1,062	1,200	50	5.000
BPL-03	BPL-13	BPL-23	Npt 3/4"	0,276	1,300	1,476	25	2.500
BPL-04	BPL-14	BPL-24	Npt 1"	0,276	1,614	1,830	20	1.500

WITHOUT FLANGED LOCK NUTS



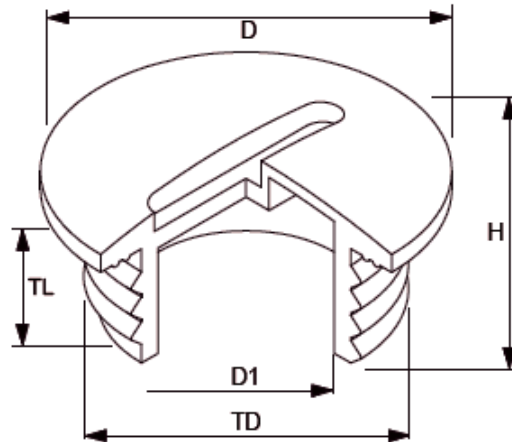
- ◆ Material Lock Nut Polyamide 6, 30% Glass Fibre Reinforced
- Flammability UL 94 HB
- Operating Temperature
- Permanent -20 °C up to +100 °C
- Intermittent -30 °C up to +150 °C
- Remarks Manufactured according to the requirements of DIN 46320
- ◆ UNIT:mm



PART NO			THREAD TYPE	H	SW	D	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005						
Metric Thread (Attachment thread : EN 60423)								
BLMN-05	BLMN-15	BLMN-25	M12x1,5	5	18	19,5	100	10000
BLMN-01	BLMN-11	BLMN-21	M16x1,5	5	22	24,2	50	7000
BLMN-02	BLMN-12	BLMN-22	M20x1,5	6	26	28,6	50	5000
BLMN-03	BLMN-13	BLMN-23	M25x1,5	6	32	35,0	50	3750
BLMN-04	BLMN-14	BLMN-24	M32x1,5	7	41	46,1	25	2000
BLMN-05	BLMN-15	BLMN-25	M40x1,5	7	50	55,3	10	1000
BLMN-06	BLMN-16	BLMN-26	M50x1,5	8	60	66,1	10	750
BLMN-07	BLMN-17	BLMN-27	M63x1,5	8	75	82,5	10	500
Pg Thread (Attachment thread : DIN 40430)								
BLN-01	BLN-11	BLN-21	Pg 7	5	19	21,0	100	12000
BLN-02	BLN-12	BLN-22	Pg 9	5	22	24,0	100	10000
BLN-03	BLN-13	BLN-23	Pg 11	5	24	26,0	50	7500
BLN-04	BLN-14	BLN-24	Pg 13,5	6	27	29,0	50	5000
BLN-05	BLN-15	BLN-25	Pg 16	6	30	33,0	50	4000
BLN-06	BLN-16	BLN-26	Pg 21	7	36	39,0	25	2000
BLN-07	BLN-17	BLN-27	Pg 29	7	46	50,0	25	1750
BLN-08	BLN-18	BLN-28	Pg 36	8	60	66,0	25	800
BLN-09	BLN-19	BLN-29	Pg 42	8	65	72,0	10	750
BLN-10	BLN-20	BLN-30	Pg 48	8	70	78,0	10	500

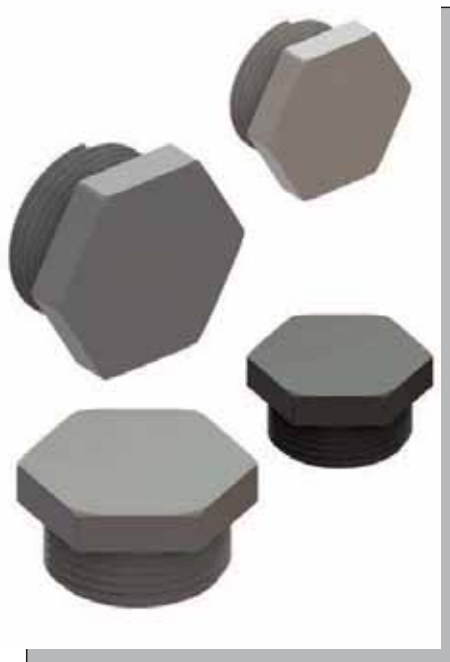


- ◆ Material: Blind PA 6 (Polyamide 6)
 - ◆ Flammability V2 (According to UL 94)
 - ◆ Operating Temperature: Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
 - ◆ Remarks: Manufactured according to the requirements of DIN 46320. The blind plugs need to be screwed in to a threaded hole.
- Technical
- ◆ UNIT:mm

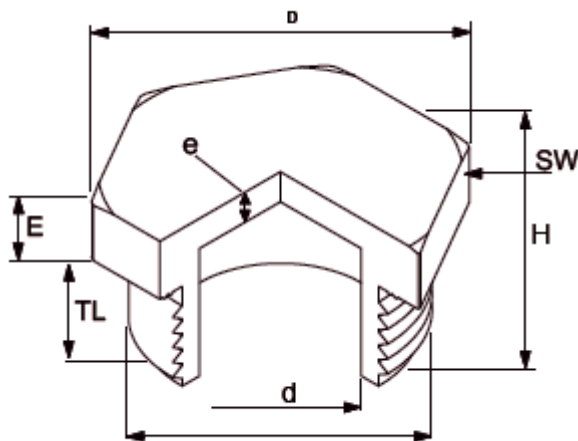


PART NO			THREAD TYPE	H	D	D1	TL	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005							
Metric Thread (Attachment thread : EN 60423)									
BMBS-0S(Y)	BMBS-1S(Y)	BMBS-2S(Y)	M12x1,5	10,5	15,0	8,0	6,0	100	10000
BMBS-01(Y)	BMBS-11(Y)	BMBS-21(Y)	M16x1,5	11,5	20,0	11,0	7,0	50	7000
BMBS-02(Y)	BMBS-12(Y)	BMBS-22(Y)	M20x1,5	12,5	24,0	14,0	7,0	50	5000
BMBS-03(Y)	BMBS-13(Y)	BMBS-23(Y)	M25x1,5	15,0	30,0	19,0	10,0	50	3750
BMBS-04(Y)	BMBS-14(Y)	BMBS-24(Y)	M32x1,5	14,0	37,0	27,0	8,0	25	2000
BMBS-05(Y)	BMBS-15(Y)	BMBS-25(Y)	M40x1,5	12,5	46,5	34,5	6,0	10	1000
BMBS-06(Y)	BMBS-16(Y)	BMBS-26(Y)	M50x1,5	14,0	56,0	45,0	10,0	10	500
Pg Thread (Attachment thread : DIN 40430)									
BBS-01(Y)	BBS-11(Y)	BBS-21(Y)	Pg 7	8,0	15,0	9,0	6,0	100	12000
BBS-02(Y)	BBS-12(Y)	BBS-22(Y)	Pg 9	8,5	19,0	11,5	6,0	100	10000
BBS-03(Y)	BBS-13(Y)	BBS-23(Y)	Pg 11	8,5	22,0	15,0	6,0	50	7500
BBS-04(Y)	BBS-14(Y)	BBS-24(Y)	Pg 13,5	8,5	25,0	17,0	6,0	50	5000
BBS-05(Y)	BBS-15(Y)	BBS-25(Y)	Pg 16	9,0	27,0	18,5	6,0	50	4000
BBS-06(Y)	BBS-16(Y)	BBS-26(Y)	Pg 21	12,0	33,0	23,5	8,0	25	2000
BBS-07(Y)	BBS-17(Y)	BBS-27(Y)	Pg 29	11,5	44,0	32,5	8,0	25	1750
BBS-08(Y)	BBS-18(Y)	BBS-28(Y)	Pg 36	14,0	55,0	42,5	10,0	25	800

HEXAGONAL BLIND STOPS



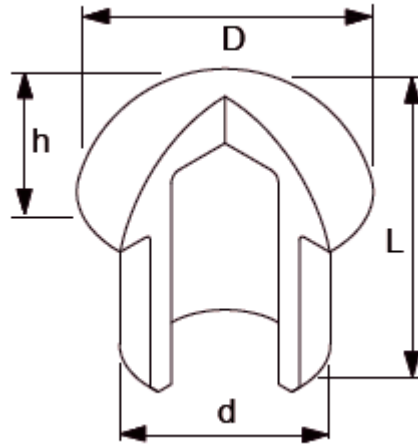
- ◆ Material: Blind PA 6 (Polyamide 6)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
- ◆ Remarks Manufactured according to the requirements of DIN 46320
- ◆ UNIT:mm



PART NO			THREAD TYPE	TL	SW	H	D	d	e	E	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005										
Metric Thread (Attachment thread : EN 60423)												
BMBS-0S(A)	BMBS-1S (A)	BMBS-2S (A)	M12x1,5	10,0	15	15,0	17,0	7,0	3,0	5,0	100	10000
BMBS-01(A)TL12	BMBS-11(A)TL12	BMBS-21(A)TL12	M16x1,5	12,0	19	16,3	22,0	11,0	4,3	4,3	50	7000
BMBS-01(A)TL15	BMBS-11(A)TL15	BMBS-21(A)TL15	M16x1,5	15,0	19	19,3	22,0	11,0	4,3	4,3	50	7000
BMBS-02(A TL11)	BMBS-12(A)TL11	BMBS-22(A)TL11	M20x1,5	11,0	23	17,0	26,0	13,5	3,3	6,0	50	3500
BMBS-02(A TL11)	BMBS-12(A)TL11	BMBS-22(A)TL11	M20x1,5	15,0	23	21,0	26,0	13,5	3,3	6,0	50	3500
BMBS-03(A)TL10	BMBS-13(A)TL10	BMBS-23(A)TL10	M25x1,5	10,0	28	15,8	32,0	18,8	3,0	5,8	25	2000
BMBS-03(A)TL15	BMBS-13(A)TL15	BMBS-23(A)TL15	M25x1,5	15,0	28	20,8	32,0	18,8	3,0	5,8	25	2000
BMBS-04(A)	BMBS-14 (A)	BMBS-24 (A)	M32x1,5	15,0	36	22,8	41,5	24,2	3,0	7,8	25	1000
BMBS-05(A)	BMBS-15 (A)	BMBS-25 (A)	M40x1,5	18,0	46	26,5	53,0	30,0	5,0	8,5	10	750
BMBS-06(A)	BMBS-16 (A)	BMBS-26 (A)	M50x1,5	18,0	55	27,5	63,5	40,0	5,5	9,5	10	500
BMBS-07(A)	BMBS-17 (A)	BMBS-27 (A)	M63x1,5	18,0	69	27,5	80,0	52,0	4,5	9,5	10	250



- ◆ Material: Blind PA 6 (Polyamide 6)
- ◆ Flammability V2 (According to UL 94)
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C
Intermittent -30 °C up to +150 °C
- ◆ Remarks: Manufactured according to the requirements of DIN 46320.
- ◆ UNIT:mm

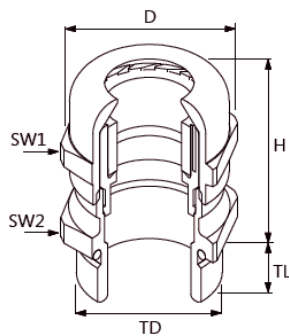


PART NO			THREAD TYPE	d	h	D	L	INNER PACK	PACKAGE
RAL 7001	RAL 7035	RAL 9005							
Metric Thread (Attachment thread : EN 60423) & Pg Thread (Attachment thread : DIN 40430)									
BPM-2S/BPT-21	BPM-1S/BPT-11	BPM-0S/BPT-01	Pg 7/M12x1,5	6,4	4,0	9,2	11,0	100	10000
BPM-E21/BPT-22	BPM-E11/BPT-12	BPM-E01/BPT-02	Pg 9/M16x1,5 (EU)	8,0	5,0	10,5	16,0	50	7000
BPM-21/BPT-23	BPM-11/BPT-13	BPM-01/BPT-03	Pg 11/M16x1,5	9,7	5,7	13,3	20,7	50	7000
BPM-22/BPT-24	BPM-12/BPT-14	BPM-02/BPT-04	Pg 13,5/M20x1,5	12,0	8,0	15,8	18,0	50	3500
BPM-22L/BPT-25	BPM-12L/BPT-15	BPM-02L/BPT-05	Pg 16/M20x1,5	13,6	8,7	18,0	18,7	50	3500
BPM-E23/BPT-26	BPM-E13/BPT-16	BPM-E03/	Pg 21/M25x1,5 (EU)	16,5	7,3	19,9	18,3	50	2000
BPM-23/BPT-26	BPM-13/BPT-16	BPM-03/BPT-06	Pg 21/M25x1,5	17,8	9,7	22,2	21,0	25	2000
BPM-E24/BPT-27	BPM-E14/BPT-17	BPM-E04	Pg 29/M32x1,5 (EU)	20,5	9,2	24,1	21,2	25	1000
BPM-24/BPT-27	BPM-14/BPT-17	BPM-04/BPT-07	Pg 29/M32x1,5	25,0	9,9	28,8	24,9	25	1000
BPM-E25/BPT-28	BPM-E15/BPT-18	BPM-E05	Pg 36/M40x1,5 (EU)	27,5	9,2	32,0	25,2	10	750
BPM-25/BPT-28	BPM-15/BPT-18	BPM-05/BPT-08	Pg 36/M40x1,5	31,8	10,7	37,3	27,7	10	750
BPM-26/BPT-29	BPM-16/BPT-19	BPM-06/BPT-09	Pg 42/M50x1,5	38,0	13,1	44,5	33,3	10	500
BPM-27/BPT-30	BPM-17/BPT-20	BPM-07/BPT-10	Pg 48/M63x1,5	44,2	16,2	51,7	39,2	10	250

METRIC THREAD CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated, Seal CR (Chloroprene), Clamp.Insert PA 6 (Polyamide 6), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Attachment Thread: EN 60423
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts, Reducing seals, Flat cable seals, Multihole seals, Dome Plugs
- ◆ Remarks: Different sealing types available, BMBC-06S & BMBE-06S have double seal, Large accessory range, Manufactured according to the requirements of EN 62444
- ◆ UNIT:mm

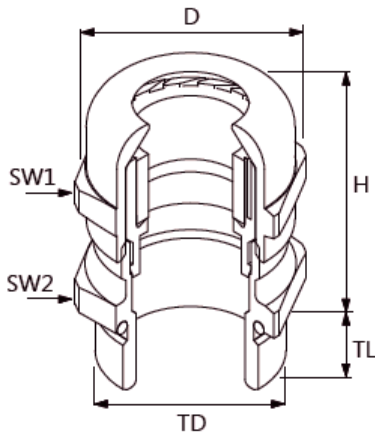


PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	INNER PACK	PACKAGE
BMBC-05	M12x1,5	3,0 - 6,5	6,0	12,0	14,0	14,0	21,5	15,5	50	2.000
BMBC-01	M16x1,5	4,0 - 8,0	7,0	16,0	17,0	18,0	23,0	18,9	50	1.500
BMBC-01S	M16x1,5	5,0 - 10,0	6,5	16,0	20,0	29,0	22,0	22,0	50	1.500
BMBC-02	M20x1,5	6,0 - 12,0	8,0	20,0	22,0	22,0	25,0	26,8	50	800
BMBC-02S	M20x1,5	10,0 - 14,0	8,0	20,0	24,0	24,0	28,0	26,8	50	800
BMBC-03	M25x1,5	10,0 - 14,0	8,0	25,0	24,0	27,0	28,0	26,8	25	500
BMBC-03S	M25x1,5	13,0 - 18,0	8,0	25,0	30,0	30,0	32,0	33,0	25	300
BMBC-04	M32x1,5	13,0 - 18,0	9,0	32,0	30,0	34,0	33,0	37,5	25	350
BMBC-04S	M32x1,5	18,0 - 25,0	9,0	32,0	40,0	40,0	44,0	44,5	25	250
BMBC-05	M40x1,5	18,0 - 25,0	9,0	40,0	40,0	43,0	38,0	48,5	20	160
BMBC-05S	M40x1,5	22,0 - 32,0	8,0	40,0	50,0	50,0	53,0	55,5	20	140
BMBC-06	M50x1,5	22,0 - 32,0	9,0	50,0	50,0	55,0	48,0	61,0	15	90
BMBC-06S	M50x1,5	27,0 - 44,0	9,0	50,0	64,0	68,0	53,0	75,0	10	70
BMBC-07	M63x1,5	34,0 - 44,0	14,0	63,0	64,0	68,0	54,0	75,0	12	72
BMBC-07S	M63x1,5	37,0 - 53,0	10,0	63,0	75,0	75,0	50,0	83,0	10	70
Glands With Long Thread										
BMBE-05	M12x1,5	3,0 - 6,5	12,0	12,0	14,0	14,0	22,0	15,5	50	2.000
BMBE-01	M16x1,5	4,0 - 8,0	12,0	16,0	17,0	18,0	23,0	20,0	50	1.500
BMBE-01S	M16x1,5	5,0 - 10,0	12,0	16,0	20,0	20,0	29,5	22,0	50	1.500
BMBE-02	M20x1,5	6,0 - 12,0	12,0	20,0	22,0	22,0	24,5	25,0	50	800
BMBE-02S	M20x1,5	10,0 - 14,0	12,0	20,0	24,0	24,0	28,0	25,0	50	800
BMBE-03	M25x1,5	10,0 - 14,0	12,0	25,0	24,0	27,0	28,0	29,8	25	400
BMBE-03S	M25x1,5	13,0 - 18,0	12,0	25,0	30,0	30,0	29,5	33,0	25	400
BMBE-04	M32x1,5	13,0 - 18,0	15,0	32,0	30,0	34,0	32,0	37,5	25	300
BMBE-04S	M32x1,5	18,0 - 25,0	15,0	32,0	40,0	40,0	35,0	44,5	25	300
BMBE-05	M40x1,5	18,0 - 25,0	15,0	40,0	40,0	43,0	38,0	48,5	20	160
BMBE-05S	M40x1,5	22,0 - 32,0	15,0	40,0	50,0	50,0	52,5	55,5	20	160
BMBE-06	M50x1,5	22,0 - 32,0	15,0	50,0	50,0	55,0	48,0	61,0	15	90
BMBE-06S	M50x1,5	27,0 - 44,0	15,0	50,0	64,0	68,0	49,0	70,0	15	90
BMBE-07	M63x1,5	34,0 - 44,0	18,0	63,0	64,0	68,0	53,0	75,0	12	72
BMBE-07S	M63x1,5	37,0 - 53,0	18,0	63,0	75,0	75,0	50,0	83,0	12	72

EURO METRIC THREAD CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated, Seal CR (Chloroprene), Clamp.Insert PA 6 (Polyamide 6), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Attachment Thread: EN 60423
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts, Reducing seals, Flat cable seals, Multihole seals, Dome Plugs
- ◆ Remarks: Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

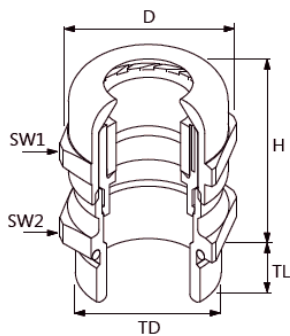


PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	INNER PACK	PACKAGE
BMBC-ES	M12x1,5	3,0 - 6,5	6,0	12,0	14,0	14,0	22,0	15,5	50	2.000
BMBC-E1	M16x1,5	5,0 - 10,0	7,0	16,0	20,0	20,0	28,5	22,0	50	1.000
BMBC-E2	M20x1,5	6,0 - 12,0	8,0	20,0	22,0	22,0	26,5	24,0	50	800
BMBC-E3	M25x1,5	11,0 - 17,0	8,0	25,0	27,0	27,0	32,5	30,0	25	400
BMBC-E4	M32x1,5	15,0 - 21,0	8,0	32,0	34,0	34,0	36,0	37,0	25	250
BMBC-E5	M40x1,5	19,0 - 28,0	9,0	40,0	43,0	43,0	43,5	48,4	20	140
BMBC-E6	M50x1,5	27,0 - 38,0	9,0	50,0	58,0	58,0	52,0	64,0	12	72
BMBC-E7	M63x1,5	34,0 - 44,0	14,0	63,0	64,0	68,0	54,0	75,0	12	72
Glands With Long Thread										
BMBE-ES	M12x1,5	3,0 - 6,5	12,0	12,0	14,0	14,0	22,0	15,5	50	2.000
BMBE-E1	M16x1,5	5,0 - 10,0	12,0	16,0	20,0	20,0	28,5	22,0	50	1.000
BMBE-E2	M20x1,5	6,0 - 12,0	12,0	20,0	22,0	22,0	26,5	24,0	50	800
BMBE-E3	M25x1,5	11,0 - 17,0	12,0	25,0	27,0	27,0	32,5	30,0	25	400
BMBE-E4	M32x1,5	15,0 - 21,0	15,0	32,0	34,0	34,0	36,0	37,0	25	250
BMBE-E5	M40x1,5	19,0 - 28,0	15,0	40,0	43,0	43,0	43,5	48,4	20	120
BMBE-E6	M50x1,5	27,0 - 38,0	15,0	50,0	58,0	58,0	52,0	64,0	10	70
BMBE-E7	M63x1,5	34,0 - 44,0	15,0	63,0	64,0	68,0	54,0	75,0	10	70

PG THREAD CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated, Seal CR (Chloroprene), Clamp.Insert PA 6 (Polyamide 6), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Attachment Thread: DIN 40430
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts, Reducing seals, Flat cable seals, Multihole seals, Dome Plugs
- ◆ Remarks: Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

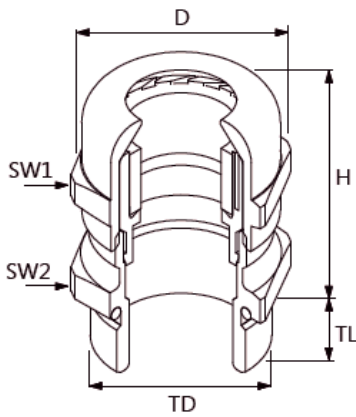


PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	INNER PACK	PACKAGE
BSBC-01	Pg 7	3,0 - 6,5	6,0	12,5	14,0	14,0	22,0	15,5	50	2.000
BSBC-02	Pg 9	4,0 - 8,0	6,0	15,2	17,0	17,0	23,5	18,9	50	1.500
BSBC-03	Pg 11	5,0 - 10,0	6,0	18,6	20,0	20,0	26,0	22,0	50	1.000
BSBC-04	Pg 13,5	6,0 - 12,0	6,5	20,4	22,0	22,0	24,5	24,5	50	800
BSBC-05	Pg 16	10,0 - 14,0	6,5	22,5	24,0	24,0	28,0	26,5	25	500
BSBC-06	Pg 21	13,0 - 18,0	7,2	28,3	30,0	30,0	32,5	33,0	25	350
BSBC-07	Pg 29	18,0 - 25,0	8,0	37,0	40,0	40,0	38,5	44,5	20	160
BSBC-08	Pg 36	22,0 - 32,0	9,0	47,0	50,0	50,0	48,0	55,5	15	90
BSBC-09	Pg 42	30,0 - 38,0	12,0	54,0	58,0	58,0	48,5	64,0	12	72
BSBC-10	Pg 48	34,0 - 44,0	14,0	59,3	64,0	64,0	53,0	70,0	12	72
Glands With Long Thread										
BSBE-01	Pg 7	3,0 - 6,5	10,0	12,5	14,0	14,0	22,0	15,5	50	2.000
BSBE-02	Pg 9	4,0 - 8,0	10,0	15,2	17,0	17,0	23,5	18,9	50	1.500
BSBE-03	Pg 11	5,0 - 10,0	10,0	18,6	20,0	20,0	26,0	22,0	50	1.000
BSBE-04	Pg 13,5	6,0 - 12,0	10,0	20,4	22,0	22,0	24,5	24,5	50	800
BSBE-05	Pg 16	10,0 - 14,0	10,0	22,5	24,0	24,0	28,0	26,5	25	600
BSBE-06	Pg 21	13,0 - 18,0	12,0	28,3	30,0	30,0	32,5	33,0	25	350
BSBE-07	Pg 29	18,0 - 25,0	12,0	37,0	40,0	40,0	38,5	44,5	20	160
BSBE-08	Pg 36	22,0 - 32,0	14,0	47,0	50,0	50,0	48,0	55,5	15	90
BSBE-09	Pg 42	30,0 - 38,0	16,0	54,0	58,0	58,0	48,5	64,0	12	72
BSBE-10	Pg 48	34,0 - 44,0	18,0	59,3	64,0	64,0	53,0	70,0	12	72

NPT THREAD CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated, Seal CR (Chloroprene), Clamp.Insert PA 6 (Polyamide 6), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Attachment Thread: ANSI B 1.20.1
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts, Reducing seals, Flat cable seals, Multihole seals, Dome Plugs
- ◆ Remarks: Different sealing types available, Large accessory range, Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm

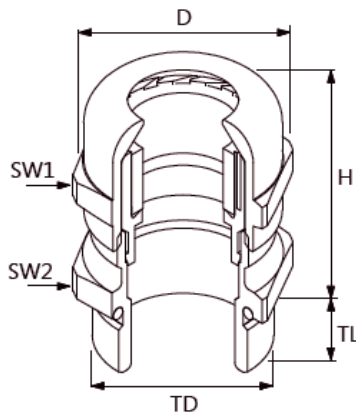


PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	INNER PACK	PACKAGE
BNBC-01	NPT 3/8"	0,157 - 0,314	0,452	0,661	0,669	0,748	0,905	0,826	50	1.000
BNBC-01S	NPT 3/8"	0,196 - 0,393	0,452	0,661	0,787	0,787	1,160	0,866	50	1.000
BNBC-02	NPT 1/2"	0,236 - 0,472	0,511	0,822	0,866	0,866	1,003	0,964	50	800
BNBC-02S	NPT 1/2"	0,393 - 0,551	0,511	0,822	0,944	0,944	1,100	1,055	50	600
BNBC-03	NPT 3/4"	0,511 - 0,708	0,511	1,030	1,181	1,181	1,397	1,299	25	300
BNBC-04	NPT 1"	0,708 - 0,984	0,511	1,291	1,574	1,692	1,692	1,751	10	160

STAINLESS STEEL METRIC THREAD CABLE GLANDS



- ◆ Material: Body Stainless steel 1.4305 (AISI 303), other stainless steel grades available upon request, Cap Stainless steel 1.4305 (AISI 303), other stainless steel grades available upon request, Seal CR (Chloroprene), O-ring NBR, Clamp.Insert PA 6 (Polyamide 6)
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts, Reducing seals, Flat cable seals, Multihole seals, Dome Plugs
- ◆ Application Areas Tunnel lighting, Chemical industry, Requirements of high mechanical and chemical resistance
- ◆ Remarks: Body and cap can be produced by AISI 316L (1,4404) upon request.
- ◆ UNIT:mm

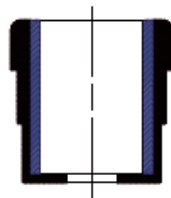
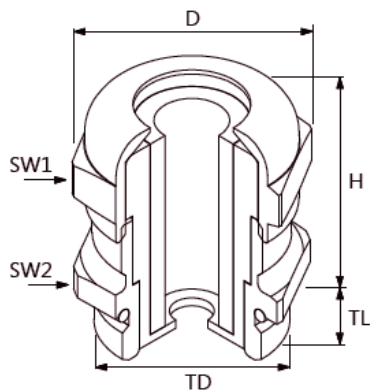


PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	INNER PACK	PACKAGE
Metric Thread (Attachment thread : EN 60423)										
BMSC-05	M12X1,5	3,0 - 6,5	6,0	12,0	14,0	14,0	21,5	15,5	50	2.000
BMSC-01	M16X1,5	4,0 - 8,0	7,0	16,0	17,0	19,0	23,0	20,8	50	1.500
BMSC-02	M20X1,5	6,0 - 12,0	8,0	20,0	22,0	22,0	24,0	24,5	50	800
BMSC-03	M25X1,5	10,0 - 14,0	8,0	25,0	24,0	27,0	27,5	29,6	25	500
BMSC-04	M32X1,5	13,0 - 18,0	9,0	32,0	30,0	36,0	32,5	38,9	25	350
BMSC-05	M40X1,5	18,0 - 25,0	9,0	40,0	41,0	46,0	40,6	51,4	20	160
BMSC-06	M50X1,5	22,0 - 32,0	9,0	50,0	50,0	55,0	46,0	60,0	15	90
BMSC-07	M63X1,5	34,0 - 44,0	14,0	63,0	65,0	70,0	52,0	77,0	12	72
Pg Thread (Attachment thread : DIN 40430)										
BSSC-01	Pg7	3,0 - 6,5	6,0	12,5	14,0	14,0	21,8	15,3	50	2.000
BSSC-02	Pg9	4,0 - 8,0	6,0	15,2	17,0	19,0	22,6	21,0	50	1.500
BSSC-03	Pg11	5,0 - 10,0	6,0	18,6	22,0	22,0	25,5	24,0	50	1.000
BSSC-04	Pg13,5	6,0 - 12,0	6,5	20,4	22,0	22,0	24,1	24,5	50	800
BSSC-05	Pg16	10,0 - 14,0	6,5	22,5	24,0	24,0	27,5	26,5	25	600
BSSC-06	Pg21	13,0 - 18,0	7,2	28,3	30,0	30,0	31,5	32,9	25	350
BSSC-07	Pg29	18,0 - 25,0	8,0	37,0	41,0	41,0	37,1	45,5	20	160
BSSC-08	Pg36	22,0 - 32,0	9,0	47,0	50,0	50,0	46,0	55,5	15	90
BSSC-09	Pg42	30,0 - 38,0	12,0	54,0	60,0	60,0	48,1	66,5	12	72
BSSC-10	Pg48	34,0 - 44,0	14,0	59,3	65,0	65,0	49,3	72,0	12	72

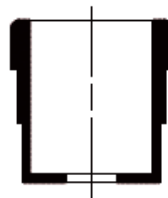
METRIC & PG THREAD DOUBLE SEAL CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated, Seal CR (Chloroprene), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C, Intermittent -40 °C up to +150 °C
- ◆ Benefits: Suitable for highest demands of todays technology, Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts
- ◆ Remarks: Double Seal Cable Glands are constructed with double seal, providing a wide clamping range. For high temperature resistant (max 300°C). DS gland can be produced with special silicone sealing.
- ◆ UNIT:mm



Double Seal



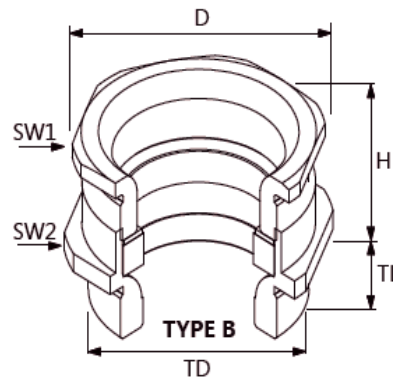
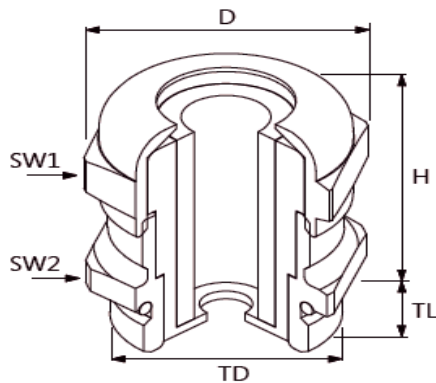
Single Seal

PART NO	THREAD TYPE	Clamping Range \varnothing min-max		TL	TD	Sw1	Max H	D	INNER PACK	PACKAGE
		Double seal	Single seal							
Metric Thread (Attachment thread : EN 60423)										
BDSM-0S	M12x1,5	-	4,0 - 6,0	6,0	12,0	14	18,0	15,8	50	2000
BDSM-01	M16x1,5	4,0 - 6,0	6,5 - 9,0	5,1	16,0	18	23,9	19,8	50	1500
BDSM-02	M20x1,5	4,5 - 7,0	7,0 - 12,0	6,0	20,0	22	21,5	25,0	50	1000
BDSM-03	M25x1,5	10,0 - 13,0	14,0 - 17,5	7,0	25,0	28	22,5	31,0	25	600
BDSM-04	M32x1,5	14,5 - 18,0	19,0 - 23,5	8,0	32,0	35	26,0	38,8	25	350
BDSM-05	M40x1,5	16,5 - 23,5	19,5 - 27,0	8,0	40,0	43	35,5	47,0	20	160
Pg Thread (Attachment thread : DIN 40430)										
BDSP-01	Pg7	-	4,0 - 7,0	6,0	12,50	15	18,0	16,5	50	1.500
BDSP-02	Pg9	4,0 - 6,0	6,0 - 10,0	6,0	15,20	18	18,7	20,0	50	1.500
BDSP-03	Pg11	5,0 - 7,0	7,0 - 12,0	6,0	18,60	22	20,5	25,0	50	1.000
BDSP-04	Pg13,5	8,0 - 10,0	10,0 - 15,0	6,0	20,40	24	21,0	27,0	50	800
BDSP-05	Pg16	8,0 - 10,0	10,0 - 15,0	6,0	22,50	24/25	21,0	27,5	25	600
BDSP-06	Pg21	10,0 - 13,0	13,0 - 20,0	7,6	28,30	32	25,0	35,5	25	350
BDSP-07	Pg29	19,0 - 21,0	21,0 - 28,0	8,0	37,00	40	25,5	45,1	20	160
BDSP-08	Pg36	26,0 - 30,0	30,0 - 35,0	8,0	47,00	50	28,3	56,9	15	90
BDSP-09	Pg42	35,0 - 39,0	39,0 - 44,0	10,0	54,00	58	32,2	64,0	12	72
BDSP-10	Pg48	37,0 - 40,0	40,0 - 48,0	11,0	59,30	64 3	4,1	70,0	12	72

BIG SIZE METRIC THREAD CABLE GLANDS



- ◆ Material: Body Brass, Nickel plated, Cap Brass, Nickel plated
Seal CR (Chloroprene), O-ring NBR
- ◆ Flammability: V2 (According to UL 94)
- ◆ Protection: Class IP 68 - 5 Bar
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C,
Intermittent -40 °C up to +150 °C
- ◆ Attachment Thread EN 60423
- ◆ Benefits: Suitable for highest demands of todays technology,
Easy assembly, Easy handling, Water tight, Strain relief
- ◆ Accessories: Lock nuts
- ◆ Manufactured according to the requirements of EN 50262
- ◆ UNIT:mm



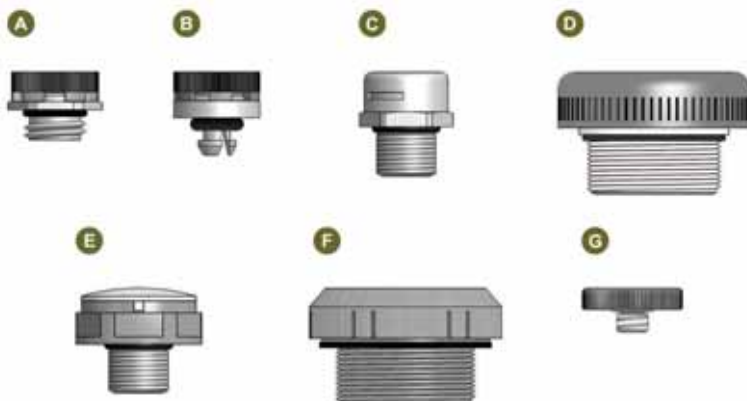
PART NO	THREAD TYPE	Clamping Range Ø min-max	TL	TD	Sw1	Sw2	Max H	D	Type	INNER PACK	PACKAGE
BDSM-08	M72X2	56,0 - 62,0	16	72	77	77	41,0	86,0	A	4	28
BDSM-09S	M75X1,5	56,0 - 62,0	16	75	77	77	41,0	86,0	A	4	16
BDSM-09	M75X2	56,0 - 62,0	16	75	77	77	41,0	86,0	A	4	16
BDSM-10	M80X2	60,0 - 66,0	18	80	90	90	45,5	99,3	A	2	10
BDSM-10R	M80X2	50,0 - 56,0	18	80	90	90	50,0	99,3	A	2	10
BDSM-11	M85X2	68,0 - 76,0	22	85	95	95	51,0	106,2	A	2	10
BDSM-11R	M85X2	63,0 - 70,0	22	85	95	95	53,0	106,2	A	2	10
BDSM-12	M90X2	68,0 - 77,0	22	90	95	100	51,0	112,0	A	2	10
BDSM-13	M110X2	60,0 - 82,0	25	110	120	125	74,2	134,0	B	2	8



- ◆ Material: Housing PA 6-V2, Stainless Steel or Aluminium, Membrane Acrylic co-polymer on nylon support, O-ring NBR
- ◆ Protection Class: IP 66/67/68*/69K
- ◆ Operating Temperature: Permanent -20 °C up to +100 °C Intermittent -30 °C up to +150 °C
- ◆ Membrane: Features Hydrophobic, Oleophobic, Air Flow Rates Refer to the chart, Available Permeabilities S (standard), M (medium), H (high), UH (ultra high)
- ◆ Remarks *IP68 is valid if the the water intrusion pressure is higher than 0.1 bar. Please refer to the chart.
- ◆ UNIT:mm

According to the chosen air permeability one of the letters (S-M-H-UH) has to be added in front of the code number

PART NO			THREAD SIZE	ΔP = 1 Psi = 70 mbar Average Air Permeability in lt/hour									Water Intrusion pressure in mbar				Plug Type	Rec. Hole Diam.
RAL 7001	RAL 7035	RAL 9005		TL	TD	SW	H	D	S	M	H	UH	S	M	H	UH		
BVPA-01	BVPA-11	BVPA-21	M12X1,0	6,6	12,0	17	7,5	17,0	16	25	120	300	0,9	0,5	0,2	0,1	A	12,5
BVPB-01	BVPB-11	BVPB-21	M12X1,5	6,0	12,0	17	7,5	17,0	16	25	120	300	0,9	0,5	0,2	0,1	A	12,5
BVPB-01L	BVPB-11L	BVPB-21L	M12X1,5	10,0	12,0	17	7,5	17,0	16	25	120	300	0,9	0,5	0,2	0,1	A	12,5
BVQ-M01	BVQ-M11	BVQ-M21	QUICK FIT	7,5	5,5	-	9,3	17,0	16	25	120	300	0,9	0,5	0,2	0,1	B	6,4
BVPD-01	BVPD-11	BVPD-21	M12X1,5	10,0	12,0	24	11,7	23,7	42	120	450	750	0,9	0,5	0,2	0,1	E	12,5
BVPF-01	BVPF-11	BVPF-21	M16X1,5	10,0	16,0	24	11,7	23,7	42	120	450	750	0,9	0,5	0,2	0,1	E	16,5
BVPE-01	BVPE-11	BVPE-21	M20X1,5	10,0	20,0	24	11,7	23,7	42	120	450	750	0,9	0,5	0,2	0,1	E	20,5
BVPX-08S	BVPX-18S	BVPX-28S	M40X1,5	18,0	40,0	-	19,0	59,5	120	375	1350	2200	0,9	0,5	0,2	0,1	F	40,5
Metallic version Codes																		
BAVP-01	Aluminium	M4X0,7	3,0	4,0	-	2,7	12,3	4	7	35	100	0,9	0,5	0,2	0,1	G	4,3	
BBVP-0S	Stainless Steel	Pg7	10,5	12,5	17	11,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	13,2	
BBVP-01S	Stainless Steel	M12X1,0	10,0	12,0	17	11,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	12,5	
BBVP-01	Stainless Steel	M12X1,5	6,0	12,0	17	11,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	12,5	
BBVP-01L	Stainless Steel	M12X1,5	10,0	12,0	17	11,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	12,5	
BBVP-02	Stainless Steel	M16X1,5	6,0	16,0	18	12,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	16,5	
BBVP-02L	Stainless Steel	M16X1,5	6,0	16,0	18	16,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	16,5	
BBVP-03	Stainless Steel	M20X1,5	6,0	20,0	22	13,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	20,5	
BBVP-03L	Stainless Steel	M20X1,5	6,0	20,0	22	17,0	17,0	16	25	120	300	0,9	0,5	0,2	0,1	C	20,5	
BBVPX-05	Stainless Steel	M40X1,5	10,0	40,0	-	21,0	58,0	120	375	1350	2200	0,9	0,5	0,2	0,1	D	40,5	



Thread Size	Packing Information	
	Inner Pack	Box/Min. Q
Plastic version		
M12X1,0	500	5000
M12X1,5	500	5000
M12X1,5	500	5000
QUICK FIT	500	5000
M12X1,5	500	5000
M16X1,5	500	5000
M20X1,5	500	5000
M40X1,5	1	200
Metallic version		
M4X0,7	50	2000
Pg7	50	2000
M12X1,0	50	2000
M12X1,5	50	2000
M12X1,5	50	2000
M16X1,5	50	2000
M16X1,5	50	2000
M20X1,5	50	2000
M20X1,5	50	2000
M40X1,5	1	200