

Polyamide Glands for Ex e Applications

4 joule

LYRA



Technical Details	
Material	Body, Cap PA 6 (Polyamide 6) Seal CR (Chloroprene), Silicone
Ingress Protection Rating	IP 68 - 5 Bar, 30 min IP 66
Operating Temperature	Seal Material
Ex e/tb / Ex tb	CR (Chloroprene) -40°C to +80°C
Ex-i	Silicone -60°C to +80°C
Equipment For	<ul style="list-style-type: none"> Gas & Dust potentially explosive atmospheres. Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a light blue colored cap. The symbol " I " will be added beside of the "BM" for order processing.
Suitable for use in	Group II Gas Group IIC ZONE1/ZONE2 Group III Dust Group IIIC ZONE21/ZONE 22
Equipment Marking	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db
Marking Example *	BMD BM-X... CE 0722 @ 2GD Ex eb IIC Gb Ex tb IIIC Db IP66/68 Ta-40°C +80°C IMQ 13 ATEX 010X IECEx IMQ 13.0003X
Impact Test Result	4J
Thread Type	<ul style="list-style-type: none"> Metric (M) ISO Pitch 1,5 Npt (N) ANSI ASME B1.20.1 PG (P) DIN 40430 Other thread types also available upon request.
Cable Type	Non Armoured
Accessories	<ul style="list-style-type: none"> Lock nuts Gaskets (Washers) Dome Plugs Dust Plugs Double Seals
Remarks	<ul style="list-style-type: none"> We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes. Accessories must be ordered separately.
Approvals	Certificate Number Standards
	IMQ 13 ATEX 010X EN 60079-0:2012 + A11:2013 EN 60079-7:2015 EN 60079-31:2014
	IECEx IMQ 13.0003X IEC 60079-0:2011 Edition:6.0 IEC 60079-31:2013 Edition:2.0 IEC 60079-7:2016 Edition: 6.0
	ISO 4892-2
	№ TC RU C-TR.AA87.B.00941 GOCT 31610.0-2014 GOCT IEC 60079-1:2013 GOCT IEC 60079-31:2013
	DNV 12.0051 X ABNT NBR IEC 60079-0:2013, ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011
	E-14045 IEC/EN60079-0, IEC/EN60079-7, IEC/EN60079-31 IEC/EN 62444

-For details of approvals, see our website.

* The standard marking consists ATEX & IECEx only. Marking acc. to other standards on request.



Order Coding						
Part Number	Seal	-	Gasket (Washer)	Seal Type	Lock Nut	Sealing Plug
See table	Mandatory	-	Option	Option	Option	Option
	C Chloropren	-	WC Chloroprene WF Fiber WS Silicone	Double Seal	L Lock nut	P Dome Plug
*Part number for blue cap is BMI-...						
Example						
BM-X3	C	-	WC	DS	L	P
*BMI-X3						

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Thread Type METRIC acc. to ISO 965 - 3

Outer Thread Size (Male)	Clamping Range Ø min - max mm	Outer Thread Length TL mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
			Cap SW Cap mm	Body SW Body mm			
M20x1,5	5,0 - 10,0	10,0	22	24	27,0	32,2	BM-SX2
	6,0 - 12,0	10,0	24	24	27,0	32,4	BM-X2
	6,0 - 12,0	15,0	24	24	27,0	32,4	BM-X2L
	10,0 - 14,0	10,0	27	27	30,9	31,9	BM-X3
	10,0 - 14,0	15,0	27	27	30,9	31,9	BM-X4
M25x1,5	10,0 - 14,0	10,0	27	27	30,9	31,9	BM-SX5
	10,0 - 14,0	15,0	27	27	30,9	31,9	BM-SX6
	11,0 - 17,0	10,0	29	29	32,5	37,7	BM-XEU25
	13,0 - 18,0	15,0	33	33	37,2	38,4	BM-X6
	13,0 - 18,0	10,0	33	33	37,2	38,4	BM-X5
M32x1,5	13,0 - 18,0	10,0	33	36	41,0	38,4	BM-SX7
	15,0 - 21,0	10,0	36	36	41,0	42,3	BM-XEU32
	18,0 - 25,0	15,0	42	42	47,1	43,3	BM-X7
M40x1,5	19,0 - 28,0	10,0	46	46	52,4	47,4	BM-XEU40
	19,0 - 28,0	15,0	46	46	52,4	47,4	BM-XEU40L
	22,0 - 32,0	18,0	53	53	59,6	52,4	BM-X8
M50x1,5	30,0 - 38,0	18,0	60	60	67,8	54,8	BM-X9
M63x1,5	34,0 - 44,0	18,0	65	65	72,4	54,9	BM-X10

Thread Type NPT acc. to ANSI B1.20.1

Outer Thread Size (Male)	Clamping Range Ø min-max mm	Outer Thread Length TL mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
			Cap SW Cap mm	Body SW Body mm			
NPT 1/2"	5,0 - 10,0	15	22	24	27,0	32,2	BN-SX2
	6,0 - 12,0	15	24	24	27,0	32,4	BN-X2
	10,0 - 14,0	15	27	27	30,9	31,9	BN-LX2
NPT 3/4"	13,0 - 18,0	15	33	33	37,2	38,4	BN-X3
NPT 1"	18,0 - 25,0	18	42	42	47,1	43,3	BN-X4