

## Polyamide Glands for Ex e Applications

# LYRA

Technical Details							
<b>Material</b>	<b>Body, Cap</b> PA 6 (Polyamide 6) <b>Seal</b> CR (Chloroprene), Silicone						
<b>Ingress Protection Rating</b>	IP 68 - 5 Bar, 30 min IP 66						
<b>Operating Temperature</b>	<b>Seal Material</b>						
	<b>CR (Chloroprene)</b>						
	<b>Silicone</b>						
<b>Ex e/tb / Ex tb</b>	-40°C to +80°C						
<b>Ex-i</b>	-40°C to +70°C						
<b>Equipment For</b>	<ul style="list-style-type: none"> <li>Gas &amp; Dust potentially explosive atmospheres.</li> <li>Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a <b>light blue</b> colored cap. The symbol " I " will be added beside of the "BM" for order processing.</li> </ul>						
<b>Suitable for use in</b>	<table border="0"> <tr> <td>Group II</td> <td>Gas Group IIC</td> <td>ZONE1/ZONE2</td> </tr> <tr> <td>Group III</td> <td>Dust Group IIIC</td> <td>ZONE21/ZONE 22</td> </tr> </table>	Group II	Gas Group IIC	ZONE1/ZONE2	Group III	Dust Group IIIC	ZONE21/ZONE 22
Group II	Gas Group IIC	ZONE1/ZONE2					
Group III	Dust Group IIIC	ZONE21/ZONE 22					
<b>Equipment Marking</b>	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db						
<b>Marking Example *</b>	BMD BM-X... CE 0722 @ 2GD Ex eb IIC Gb Ex tb IIIC Db IP66/68 Tc-40°C +80°C IMQ 13 ATEX 010X IECEx IMQ 13.0003X						
<b>Impact Test Result</b>	4J						
<b>Thread Type</b>	<ul style="list-style-type: none"> <li>Metric (M) ISO Pitch 1,5</li> <li>Npt (N) ANSI ASME B1.20.1</li> <li>PG (P) DIN 40430</li> <li>Other thread types also available upon request.</li> </ul>						
<b>Cable Type</b>	Non Armoured						
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Lock nuts</li> <li>Gaskets (Washers)</li> <li>Dome Plugs</li> <li>Dust Plugs</li> <li>Double Seals</li> </ul>						
<b>Remarks</b>	<ul style="list-style-type: none"> <li>We recommend the use of locknuts and gaskets to ensure IP rating for rough surfaces or through holes.</li> <li>Accessories must be ordered separately.</li> </ul>						



## bimed

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	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ 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

\* 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 C Chloropren	-	Option WC Chloroprene WF Fiber WS Silicone	Option Double Seal	Option L Lock nut	Option P Dome Plug
*Part number for blue cap is BMI-..						
Example						
BM-X3 *BMI-X3	C	-	WC	DS	L	P

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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