







## 1 Function Ex d/e Flexible Conduit Straight Fittings

# E-CORVUS



Technical Details		
<b>Material</b>	<b>Body, Cap</b>	Brass, Brass Nickel Plated, Stainless Steel 316L
	<b>Seal</b>	CR (Chloroprene), Silicone
	<b>O-ring</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 d/tb</b>	-40°C to +80°C
<b>Ex e/tb</b>	-40°C to +80°C	-60°C to +140°C
<b>Equipment For</b>	Gas & Dust potentially explosive atmospheres	
<b>Suitable for use in</b>	Group II	Gas Group IIC ZONE1/ZONE2
	Group III	Dust Group IIIC ZONE21/ZONE 22
<b>Equipment Marking</b>	Ex II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	
<b>Marking Example *</b>	BMD EBMC.. CE 0722  II 2GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db Ta-40°C to +80°C IP66/68 CESI 13 ATEX 018X IECEx CES 13.0006X	
<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>• 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>• Serrated Washers</li> <li>• Earth tags</li> </ul>	
<b>Remarks</b>	<ul style="list-style-type: none"> <li>• Accessories must be ordered separately.</li> <li>• O-ring available in Metric outer threads.</li> </ul>	
<b>Approvals</b>	<b>Certificate Number</b>	<b>Standards</b>
	IMQ 13 ATEX 018X	EN 60079-0:2012+A11:2013 EN 60079-7:2015 EN 60079-31:2014 EN 60079-1:2014
	IECEX IMQ 13.0006X	IEC 60079-0:2011 Edition:6 IEC 60079-7:2015 Edition:5 IEC 60079-31:2013 Edition:2 IEC 60079-1:2014 Edition:7
	№ TC RU C-TR.AA87.B.00941	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
	DNV 12.0052 X	ABNT NBR IEC 60079-0:2013 ABNT NBR IEC 60079-1:2009 ABNT NBR IEC 60079-7:2008 ABNT NBR IEC 60079-31:2011
	E-14044	IEC/EN60079-0 IEC/EN60079-7 IEC/EN60079-31 IEC/EN60079-1 IEC/EN 62444

-For more information see our webpage.

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

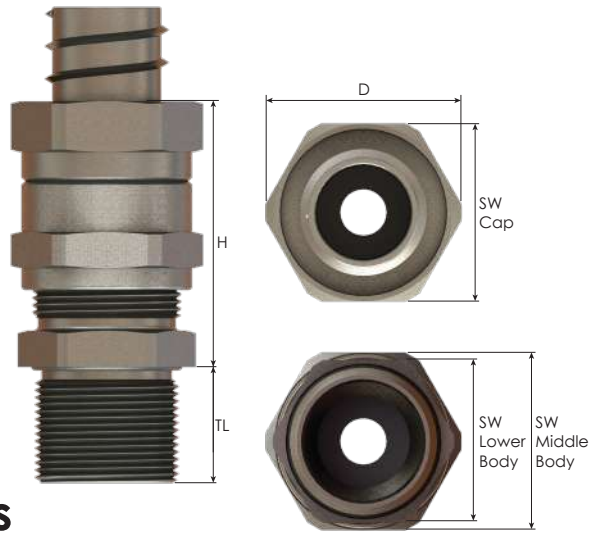


Order Coding								
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Earth Tag	for Ex e
See table	Mandatory	Mandatory	-	Option	Option	Option	Option	Option
	B Brass	C Chloroprene	-	WC Chloroprene	WSR Serrated washer	L Lock nut	E Earth tag	TL9
	BN Brass Nickel plated	S Silicone	-	WS Silicone				
	X Stainless steel 316L		-	WF Fiber				
Example								
EBMC1M	BN	S	-	WF	WSR	L	E	TL9

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## 1 Function Ex d/e

### Flexible Conduit Straight Fittings



#### Thread Type METRIC acc. to ISO 965-3

Outer Thread Size (Male)	For Seal/Title Nominal Size	Clamping Range		Outer Thread Length		Cap	Spanner Width		Outer Ø	max. Height	Part Number
		Ø min-max mm	Seal Type	Ex-e min.	Ex-d/e min.		Middle Body	Lower Body			
				TL mm		SW Cap mm	SW Middle Body mm	SW Lower Body mm	D mm	H mm	
M12x1,5	1/2"	4,0 - 8,0	Triple	9,0	16,0	24	24	22	26,5	43,0	*EBMC0SM
M16x1,5	3/8"	3,0 - 9,0	Double	9,0	16,0	20	20	20	22,0	39,0	EBMC01SM
	1/2"	4,0 - 12,0	Triple	9,0	16,0	24	24	22	26,5	43,0	EBMC01M
M20x1,5	3/8"	3,0 - 9,0	Double	9,0	16,0	20	20	22	24,5	39,0	EBMC1SM
	1/2"	4,0 - 12,0	Triple	9,0	16,0	24	24	22	26,5	39,0	EBMC1M
	3/4"	10,0 - 16,0	Triple	9,0	16,0	29	29	28	31,5	41,5	EBMC12M
M25x1,5	3/4"	10,0 - 18,0	Triple	9,0	16,0	29	29	28	31,5	42,0	EBMC2M
	1"	14,0 - 20,0	Triple	9,0	16,0	36	36	35	39,8	47,0	EBMC23M
M32x1,5	1"	14,0 - 24,0	Triple	9,0	16,0	36	36	35	39,8	46,0	EBMC3M
	1 1/4"	22,0 - 28,0	Triple	9,0	16,0	45	45	45	50,0	54,0	EBMC34M
M40x1,5	1 1/4"	22,0 - 32,0	Triple	9,0	18,0	45	45	45	50,0	54,0	EBMC4M
	1 1/2"	26,0 - 34,0	Triple	9,0	18,0	52	52	50	59,0	59,5	EBMC45M
M50x1,5	1 1/2"	26,0 - 35,0	Triple	9,0	18,0	52	52	55	61,0	59,5	EBMC5M
	2"	35,0 - 44,0	Triple	9,0	18,0	65	65	64	72,0	58,5	EBMC56M
M63x1,5	2"	35,0 - 45,0	Triple	9,0	18,0	65	65	68	75,0	58,5	EBMC6M
M75x1,5	2 1/2"	46,0 - 59,0	Triple	9,0	20,0	80	80	80	89,0	69,0	EBMC7M

#### Thread Type NPT acc. to ANSI ASME B1.20.1

Outer Thread Size (Male)	For Seal/Title Nominal Size	Clamping Range		Outer Thread Length		Cap	Spanner Width		Outer Ø	max. Height	Part Number
		Ø min-max mm	Seal Type	TL mm			Middle Body	Lower Body			
				TL mm		SW Cap mm	SW Middle Body mm	SW Lower Body mm	D mm	H mm	
NPT 1/4"	1/2"	4,0 - 8,0	Triple	16,0		24	24	22	26,5	43,0	*EBMC0SN
NPT 3/8"	3/8"	3,0 - 9,0	Double	16,0		20	20	20	22,0	39,0	EBMC01SN
	1/2"	4,0 - 12,0	Triple	16,0		24	24	22	26,5	43,0	EBMC01N
NPT 1/2"	3/8"	3,0 - 9,0	Double	16,0		20	20	22	24,5	39,0	EBMC1SN
	1/2"	4,0 - 12,0	Triple	16,0		24	24	22	26,5	39,0	EBMC1N
	3/4"	10,0 - 16,0	Triple	16,0		29	29	28	31,5	41,5	EBMC12N
NPT 3/4"	3/4"	10,0 - 18,0	Triple	16,0		29	29	28	31,5	41,5	EBMC2N
	1"	14,0 - 20,0	Triple	16,0		36	36	35	39,8	46,0	EBMC23N
NPT 1"	1"	14,0 - 24,0	Triple	20,0		36	36	35	39,8	46,0	EBMC3N
	1 1/4"	22,0 - 26,0	Triple	20,0		45	45	45	50,0	53,5	EBMC34N
NPT 1 1/4"	1 1/4"	22,0 - 32,0	Triple	20,0		45	45	45	50,0	54,0	EBMC4N
	1 1/2"	26,0 - 34,0	Triple	20,0		52	52	50	59,0	59,5	EBMC45N
NPT 1 1/2"	1 1/2"	26,0 - 35,0	Triple	20,0		52	52	55	61,0	59,5	EBMC5N
	2"	35,0 - 41,0	Triple	20,0		65	65	64	72,0	56,5	EBMC56N
NPT 2"	2"	35,0 - 45,0	Triple	20,0		65	65	68	75,0	58,5	EBMC6N
NPT 2 1/2"	2 1/2"	46,0 - 59,0	Triple	21,0		80	80	80	89,0	69,0	EBMC7N