








Cable Glands for Non-Armoured Cables

CRATER for Mining Applications



Technical Details		
Material	Body, Cap	Brass, Brass Nickel Plated, Stainless Steel 316L
	Inner Parts	Brass, Brass Nickel Plated, Stainless Steel 316L
	Seal	CR (Chloroprene), Silicone
	O-ring	CR (Chloroprene), Silicone
Ingress Protection Rating	IP 68 - 5 Bar, 30 min IP 66	
Operating Temperature	Seal Material	
	Chloroprene	Silicone
Group I	-40°C to +80°C	-60°C to +100°C
Equipment For	Mining potentially explosive atmospheres.	
Suitable for use in	Group I Mining Group IMb	
Equipment Marking	Group I Ex I M2 Ex db I Mb Ex eb I Mb	
Marking Example*	BMD MKBU.. CE 0722  I M2 Ex db I Mb Ex eb I Mb IP66/68 Ta -40°C to +80°C CESI 13 ATEX 033X IECEx CES 13.0013X	
Thread Type	<ul style="list-style-type: none"> • Metric (M) ISO Pitch 1.5 • NPT (N) ANSI ASME B1.20.1 • Other thread types also available upon request. 	
Cable Type	Non-armoured	
Accessories	<ul style="list-style-type: none"> • Lock nuts • Gaskets (Washers) • Serrated Washers • Shrouds • Earth tags 	
Remarks	<ul style="list-style-type: none"> • O-ring available in Metric outer threads. • Accessories must be ordered separately. 	
Approvals	Certificate Number	Standards
	CESI 13 ATEX 033X	EN 60079-0:2012+A11:2013 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014
	IECEx CES 13.0013X	IEC 60079-0:2011 Edition:6 IEC 60079-1:2014 Edition:7 IEC 60079-31:2013 Edition:2 IEC 60079-7:2015-08 Edition:5
	№ TC RU C-TR.AA87.B.00941	ГОСТ 31610.0-2014 ГОСТ IEC 60079-1:2013 ГОСТ IEC 60079-31:2013
	DNV 12.0053 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
	MASC MS/18-0240X	SANS (IEC) 60079-0 : 2014 SANS (IEC) 60079-1 : 2009 SANS (IEC) 60079-7 : 2007 SANS (IEC) 60079-31 : 2014

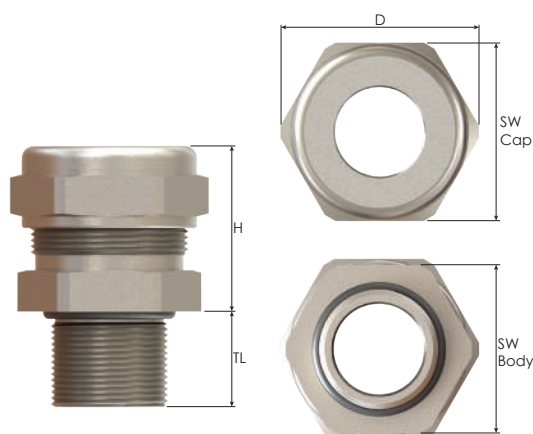
-For more information see our webpage.

* 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
Mandatory	Mandatory	Mandatory	-	Option	Option	Option
See table	B Brass BN Brass Nickel plated X Stainless steel 316L	C Chloroprene S Silicone	-	WC Chloroprene WS Silicone WF Fiber	WSR Serrated washer	L Lock nut
						E Earth tag
Example						
MKBUSN1	BN	S	-	WC	WSR	L E

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Cable Gland for Non-Armoured Cable










Thread Type METRIC acc. to ISO 965 - 3							
Outer Thread Size (Male)	Clamping Range	Outer Thread Length	Spanner Width		Outer Ø	max. Height	Part Number
			Cap	Body			
	Ø min - max mm	TL mm	SW Cap mm	SW Body mm	D mm	H mm	
M16x1,5	3,0 - 8,5	16,0	26	22	29,0	27,0	MKBU01M2
	6,0 - 9,0	16,0	29	27	31,5	31,5	MKBU01LM1
	9,0 - 12,0	16,0	29	27	31,5	31,5	MKBU01LM2
M20x1,5	6,0 - 9,0	16,0	29	27	31,5	31,5	MKBU1M1
	9,0 - 12,0	16,0	29	27	31,5	31,5	MKBU1M2
	8,5 - 11,5	16,0	30	28	33,5	34,0	MKBU1LM1
	11,5 - 14,5	16,0	30	28	33,5	34,0	MKBU1LM2
M25x1,5	6,0 - 9,0	18,0	29	29	31,5	31,0	MKBU2SM1
	9,0 - 12,0	18,0	29	29	31,5	31,0	MKBU2SM2
	8,5 - 12,5	18,0	34	32	37,0	35,5	MKBU2M1
	12,5 - 16,0	18,0	34	32	37,0	35,5	MKBU2M2
	12,0 - 16,0	18,0	40	36	44,5	35,5	MKBU2LM1
	16,0 - 20,0	18,0	40	36	44,5	35,5	MKBU2LM2
M32x1,5	12,0 - 16,0	18,0	40	40	44,5	36,5	MKBU3SM1
	16,0 - 20,0	18,0	40	40	44,5	36,5	MKBU3SM2
	15,0 - 20,0	18,0	52	48	57,0	43,0	MKBU3M1
	20,0 - 26,0	18,0	52	48	57,0	43,0	MKBU3M2
M40x1,5	15,0 - 20,0	18,0	52	48	57,0	43,0	MKBU4SM1
	20,0 - 26,0	18,0	52	48	57,0	43,0	MKBU4SM2
	20,0 - 26,0	18,0	60	55	66,0	52,0	MKBU4M1
	26,0 - 32,0	18,0	60	55	66,0	52,0	MKBU4M2
M50x1,5	22,0 - 28,0	18,0	70	60	77,0	52,0	MKBU5SM1
	28,0 - 35,0	18,0	70	60	77,0	52,0	MKBU5SM2
	27,0 - 34,0	18,0	70	70	77,0	56,0	MKBU5M1
	34,0 - 41,0	18,0	70	70	77,0	56,0	MKBU5M2
M63x1,5	35,0 - 40,0	20,0	80	75	89,5	63,5	MKBU6SM1
	40,0 - 45,0	20,0	80	75	89,5	63,5	MKBU6SM2
	40,0 - 46,0	20,0	85	85	94,0	64,0	MKBU6M1
	46,0 - 52,0	20,0	85	85	94,0	64,0	MKBU6M2
M75x1,5	40,0 - 46,0	20,0	85	85	94,0	64,0	MKBU7SM1
	46,0 - 52,0	20,0	85	85	94,0	64,0	MKBU7SM2
	45,0 - 52,0	20,0	95	90	105,0	79,0	MKBU7M1
	52,0 - 60,0	20,0	95	90	105,0	79,0	MKBU7M2
M90x1,5	45,0 - 52,0	20,0	95	95	105,0	79,0	MKBU8SM1
	52,0 - 60,0	20,0	95	95	105,0	79,0	MKBU8SM2
	60,0 - 66,0	20,0	115	110	127,0	86,0	MKBU8M1
	66,0 - 72,0	20,0	115	110	127,0	86,0	MKBU8M2

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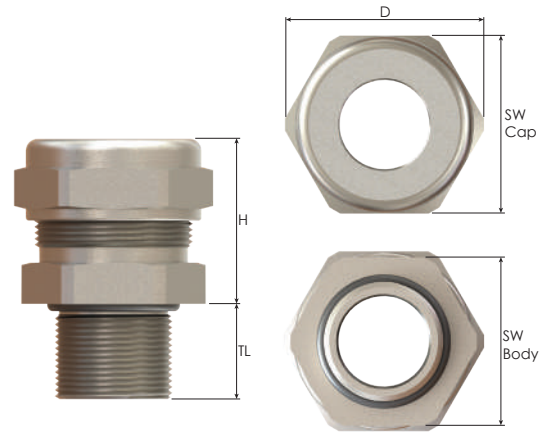


Technical Details		
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Cable Type	Non-armoured	
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Order Coding							
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Earth Tag
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option
See table	B Brass BN Brass Nickel plated X Stainless steel 316L	C Chloroprene S Silicone	-	WC Chloroprene WS Silicone WF Fiber	WSR Serrated washer	L Lock nut	E Earth tag
Example							
MKBUSN1	BN	S	-	WC	WSR	L	E

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Thread Type **NPT** acc. to ANSI ASME 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 3/8"	3,0 - 8,5	16,0	26	22	29,0	27,0	MKBU01N2
	6,0 - 9,0	16,0	29	27	31,5	31,5	MKBU01LN1
	9,0 - 12,0	16,0	29	27	31,5	31,5	MKBU01LN2
NPT 1/2"	6,0 - 9,0	21,0	29	27	31,5	31,5	MKBU1N1
	9,0 - 12,0	21,0	29	27	31,5	31,5	MKBU1N2
	8,5 - 11,5	21,0	30	28	33,5	34,0	MKBU1LN1
NPT 3/4"	11,5 - 14,5	21,0	30	28	33,5	34,0	MKBU1LN2
	6,0 - 9,0	21,0	29	29	31,5	31,0	MKBU2SN1
	9,0 - 12,0	21,0	29	29	31,5	31,0	MKBU2SN2
NPT 1"	8,5 - 12,5	21,0	34	32	37,0	35,5	MKBU2N1
	12,5 - 16,0	21,0	34	32	37,0	35,5	MKBU2N2
	12,0 - 16,0	21,0	40	36	44,5	35,0	MKBU2LN1
NPT 1 1/4"	16,0 - 20,0	21,0	40	36	44,5	35,0	MKBU2LN2
	12,0 - 16,0	26,0	40	40	44,5	36,5	MKBU3SN1
	16,0 - 20,0	26,0	40	40	44,5	36,5	MKBU3SN2
NPT 1 1/2"	15,0 - 20,0	26,0	52	48	57,0	42,5	MKBU3N1
	20,0 - 26,0	26,0	52	48	57,0	42,5	MKBU3N2
	15,0 - 20,0	28,0	52	48	57,0	44,5	MKBU4SN1
NPT 2"	20,0 - 26,0	28,0	52	48	57,0	44,5	MKBU4SN2
	26,0 - 32,0	28,0	60	55	66,0	52,0	MKBU4N1
	26,0 - 32,0	28,0	60	55	66,0	52,0	MKBU4N2
NPT 2 1/2"	22,0 - 28,0	28,0	70	60	77,0	52,0	MKBU5SN1
	28,0 - 35,0	28,0	70	60	77,0	52,0	MKBU5SN2
	27,0 - 34,0	28,0	70	70	77,0	56,0	MKBU5N1
NPT 3"	34,0 - 41,0	28,0	70	70	77,0	56,0	MKBU5N2
	35,0 - 40,0	28,0	80	75	89,5	63,0	MKBU6SN1
	40,0 - 45,0	28,0	80	75	89,5	63,0	MKBU6SN2
NPT 3 1/2"	40,0 - 46,0	28,0	85	85	94,0	64,0	MKBU6N1
	46,0 - 52,0	28,0	85	85	94,0	64,0	MKBU6N2
	40,0 - 46,0	41,0	85	85	94,0	64,0	MKBU7SN1
NPT 4"	46,0 - 52,0	41,0	85	85	94,0	64,0	MKBU7SN2
	45,0 - 52,0	41,0	95	90	105,0	79,0	MKBU7N1
	52,0 - 60,0	41,0	95	90	105,0	79,0	MKBU7N2
NPT 4 1/2"	45,0 - 52,0	43,0	95	95	105,0	79,0	MKBU8SN1
	52,0 - 60,0	43,0	95	95	105,0	79,0	MKBU8SN2
	60,0 - 66,0	43,0	115	110	127,0	86,0	MKBU8N1
NPT 5"	66,0 - 72,0	43,0	115	110	127,0	86,0	MKBU8N2