

Terminator II TMCX armored cable glands

Cl. I, Div. 1, Groups A, B, C, D
Cl. II, Groups E, F, G
Cl. III
NEMA 4X, 6P

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Terminator™ II TMCX cable glands are used to terminate armored barrier, non-armored barrier and TECK armored cable in hazardous locations. Its unique design features, coupled with our new fast curing Chico LiquidSeal compound, make the Terminator II TMCX the easiest and safest solution available.

Cable types:

- Metal-clad and TECK (interlocked and continuously welded corrugated armored) cable
- Non-armored and tray cable
- Class I, Division 1 – MC-HL, TC-ER-HL, ITC-HL with LSC or TSC compound
- Class I, Division 2 – MC, MC-HL, TC, TC-ER-HL, PLTC, PLTC-ER, ITC, ITC-ER, ITC-HL with LSC or TSC compound



Features:

- Designed to minimize the opportunity for incorrect assembly
- Simple selection process and field preparation aids to ensure the right gland is selected every time
- Full coverage of all popular cables and hub sizes, ensuring a perfect seal in all instances
- Use of nickel-plated brass and stainless steel to increase corrosion resistance and maintain integrity in the harshest environments
- Chico LiquidSeal, an innovative liquid compound with fast gel and cure times, reduces waiting times (see page 232 for more information)
- Complete with integral dam to facilitate liquid pour
- Integral union design reduces the number of times the gland has to be assembled and disassembled during installation
- Mating components have generous lead-ins to ensure that assembly is as trouble-free as possible, even with the heaviest cables
- Use of neoprene seal allows use in temperatures from -40°C to +60°C; for specific temperature information, please contact your local sales representative
- Metric size threads allow interfacing to European machinery
- Cold Shrink kit is available for extra protection in aggressive environments (see page 232 for more information)

Design features:

- (A) Captive sealing and back nut** – the use of retaining rings with snap-in features enables the TMCX to retain all of the components in the entry end of the gland
- (B) Integral union** – the design allows for a two-piece assembly gland, minimizing tightening and loosening of nuts
- (C) Red anodized nut** – this hard-wearing, permanent, consistent coating is standard on all units
- (D) Anti-rotation feature** – for single tool assembly; the splined shaft ensures that the two assemblies lock together and do not rotate during assembly
- (E) Barrier compounds** – Chico LiquidSeal or standard TSC epoxy compound options allow for rapid curing and assembly in any orientation
- (F) Conical compound chamber** – ensures that double the misalignment can be accepted without the risk of binding
- (G) Captive garter spring** – copper flashed stainless steel ensures good connectivity, strength and corrosion resistance
- (H) NPT and ISO threads** – entire range of cable glands are available with either NPT or metric threads in all materials



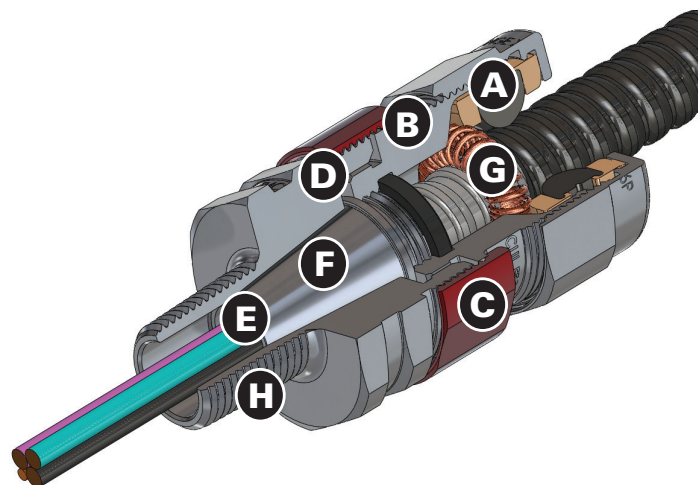
Certifications and compliances:



- Class I, Division 1, Groups A, B, C, D
- Class II, Groups E, F, G
- Class III
- NEMA 4X – ½" to 4" (TMCX050 0 to TMCX400 2)
- NEMA 6P – ½" to 1¼" (TMCX050 0 to TMCX125 1)
- UL/cULus Listed - File No. E122485

Standard materials:

- Aluminum (standard); 316 stainless steel and nickel-plated brass (optional)



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Ordering information:

Part number example
TMCX0501NPL

TMCX

050

1

NP

L

Hub size		Metric Hub	
NPT	Hub	Metric	Hub
050	½"	M20	20mm
075	¾"	M25	25mm
100	1"	M32	32mm
125	1¼"	M40	40mm
150	1½"	M50	50mm
200	2"	M63	63mm
250	2½"	M75	75mm
300	3"	M90	90mm
350	3½"	M110	110mm
400	4"		

Material	
BLANK	Aluminum
NP	Nickel-plated brass
SS	Stainless steel

Compound type	
BLANK	TSC solid compound
L	LSC liquid compound
BULK	None (LSC200CART to be ordered separately)

Cable sealing range

Hub size code	Thread	Sealing range code	Standard cable sealing range
050	½" NPT	0	0.45" - 0.70"
		1	0.49" - 0.90"
		2	0.65" - 1.18"
075	¾" NPT	0	0.45" - 0.70"
		1	0.49" - 0.90"
		2	0.65" - 1.18"
100	1" NPT	0	0.49" - 0.90"
		1	0.65" - 1.18"
		2	0.87" - 1.39"
125	1¼" NPT	1	0.87" - 1.39"
		2	1.03" - 1.71"
150	1½" NPT	1	1.03" - 1.71"
		2	1.42" - 2.07"
200	2" NPT	1	1.42" - 2.07"
		2	1.81" - 2.72"
250	2½" NPT	1	1.81" - 2.72"
		2	2.24" - 3.28"
300	3" NPT	1	2.24" - 3.28"
		2	2.62" - 3.78"
350	3½" NPT	1	2.62" - 3.78"
		2	3.11" - 4.28"
400	4" NPT	1	2.62" - 3.78"
		2	3.11" - 4.28"

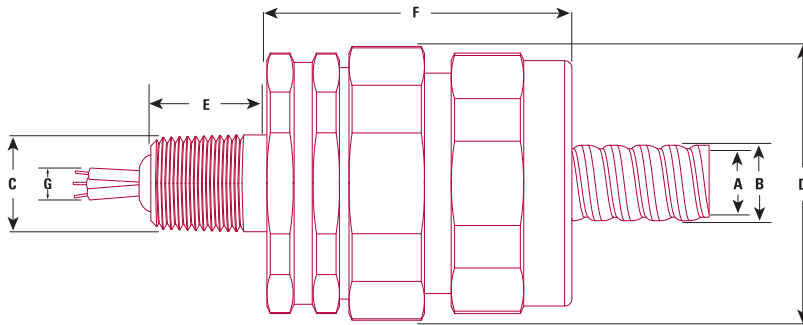
Hub size code	Thread	Sealing range code	Standard cable sealing range
M20	20mm ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
		2	16.5 mm - 29.9 mm
M25	25mm ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
M32	32mm ISO	0	12.4 mm - 22.8 mm
		1	16.5 mm - 29.9 mm
M40	40mm ISO	2	22.0 mm - 35.3 mm
		1	22.0 mm - 35.3 mm
M50	50mm ISO	2	26.1 mm - 43.4 mm
		1	26.1 mm - 43.4 mm
M63	63mm ISO	2	36.0 mm - 52.7 mm
		1	36.0 mm - 52.7 mm
M75	75mm ISO	2	45.9 mm - 69.0 mm
		1	45.9 mm - 69.0 mm
M90	90mm ISO	2	56.8 mm - 83.3 mm
		1	56.8 mm - 83.3 mm
M110	110mm ISO	2	66.5 mm - 96.0 mm
		1	66.5 mm - 96.0 mm
		2	78.9 mm - 108.7 mm
		1	78.9 mm - 108.7 mm

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Ordering information (continued):



Entry thread (C)	Cat. # NPT	Metric entry thread (C)	Cat. # Metric	Over cond. O.D. max. (G) ^A	Armor O.D. (A)		Cable O.D. (B) ^A		Across corners (D) in. (mm)	Thread length (E) in. (mm)	Length (F) in. (mm)
					Min. in. (mm)	Max. in. (mm)	Min. in. (mm)	Max. in. (mm)			
1/2"	TMCX050 0	M20	TMCXM20 0	0.480"	0.36 (9.14)	0.66 (16.76)	0.45 (11.43) ^B	0.70 (17.78)	1.44 (36.51)	0.89 (22.61)	2.93 (74.42)
1/2"	TMCX050 1	M20	TMCXM20 1	0.480"	0.40 (10.16)	0.86 (21.84)	0.49 (12.45)	0.90 (22.86)	1.75 (44.45)	1.00 (25.40)	3.05 (77.47)
1/2"	TMCX050 2	M20	TMCXM20 2	0.480"	0.56 (14.22)	1.14 (28.96)	0.65 (16.51)	1.18 (29.97)	2.25 (57.15)	1.00 (25.40)	3.18 (80.77)
3/8"	TMCX075 0	M25	TMCXM25 0	0.713"	0.36 (9.14)	0.66 (16.76)	0.45 (11.43) ^B	0.70 (17.78)	1.63 (41.28)	0.90 (22.86)	2.93 (74.42)
3/4"	TMCX075 1	M25	TMCXM25 1	0.713"	0.40 (10.16)	0.86 (21.84)	0.49 (12.45)	0.90 (22.86)	1.75 (44.45)	1.00 (25.40)	3.05 (77.47)
3/4"	TMCX075 2	M25	TMCXM25 2	0.713"	0.56 (14.22)	1.14 (28.96)	0.65 (16.51)	1.18 (29.97)	2.25 (57.15)	1.00 (25.40)	3.18 (80.77)
1"	TMCX100 0	M32	TMCXM32 0	0.713"	0.40 (10.16)	0.86 (21.84)	0.49 (12.45) ^B	0.90 (22.86)	1.75 (44.45)	1.08 (27.40)	3.13 (79.50)
1"	TMCX100 1	M32	TMCXM32 1	0.939"	0.56 (14.22)	1.14 (28.96)	0.65 (16.51)	1.18 (29.97)	2.25 (57.15)	1.08 (27.40)	3.18 (80.77)
1"	TMCX100 2	M32	TMCXM32 2	0.939"	0.78 (19.81)	1.35 (34.29)	0.87 (22.10)	1.39 (35.31)	2.56 (65.02)	1.08 (27.40)	3.30 (83.82)
1 1/8"	TMCX125 1	M40	TMCXM40 1	1.172"	0.78 (19.81)	1.35 (34.29)	0.87 (22.10)	1.39 (35.31)	2.56 (65.02)	1.08 (27.40)	3.30 (83.82)
1 1/8"	TMCX125 2	M40	TMCXM40 2	1.150"	0.94 (23.87)	1.67 (42.41)	1.03 (26.16)	1.65 (41.91)	3.73 (94.74)	1.25 (31.75)	4.71 (119.63)
1 1/2"	TMCX150 1	M50	TMCXM50 1	1.370"	0.94 (23.87)	1.67 (42.41)	1.03 (26.16)	1.65 (41.91)	3.73 (94.74)	1.25 (31.75)	4.71 (119.63)
1 1/2"	TMCX150 2	M50	TMCXM50 2	1.370"	1.28 (32.51)	1.97 (50.03)	1.53 (38.86)	2.07 (52.58)	4.11 (104.39)	1.25 (31.75)	4.71 (119.63)
2"	TMCX200 1	M63	TMCXM63 1	1.760"	1.28 (32.51)	1.97 (50.03)	1.53 (38.86)	2.07 (52.58)	4.11 (104.39)	1.25 (31.75)	4.71 (119.63)
2"	TMCX200 2	M63	TMCXM63 2	1.760"	1.67 (42.41)	2.62 (66.54)	1.81 (45.97)	2.72 (69.09)	4.98 (126.49)	1.25 (31.75)	5.63 (143.00)
2 1/2"	TMCX250 1	M75	TMCXM75 1	2.140"	1.67 (42.41)	2.62 (66.54)	1.81 (45.97)	2.72 (69.09)	4.98 (126.49)	1.81 (45.97)	5.63 (143.00)
2 1/2"	TMCX250 2	M75	TMCXM75 2	2.140"	2.11 (53.59)	2.95 (74.93)	2.34 (59.44)	3.13 (79.50)	5.61 (142.49)	1.81 (45.97)	5.80 (147.32)
3"	TMCX300 1	M90	TMCXM90 1	2.690"	2.11 (53.59)	2.95 (74.93)	2.34 (59.44)	3.13 (79.50)	5.61 (142.49)	1.81 (45.97)	5.80 (147.32)
3"	TMCX300 2	M90	TMCXM90 2	2.690"	2.45 (62.23)	3.39 (86.10)	2.68 (68.07)	3.61 (91.69)	6.23 (158.24)	1.81 (45.97)	6.26 (159.00)
3 1/2"	TMCX350 1	M110	TMCXM110 1	3.130"	2.45 (62.23)	3.39 (86.10)	2.68 (68.07)	3.61 (91.69)	6.23 (158.24)	1.94 (49.28)	6.26 (159.00)
3 1/2"	TMCX350 2	M110	TMCXM110 2	3.570"	3.05 (77.47)	4.22 (107.18)	3.13 (79.50)	3.97 (100.84)	6.73 (170.94)	1.94 (49.28)	6.52 (165.61)
4"	TMCX400 1	-	-	3.130"	2.45 (62.23)	3.39 (86.10)	2.68 (68.07)	3.61 (91.69)	6.23 (158.24)	2.00 (50.80)	6.26 (159.00)
4"	TMCX400 2	-	-	3.570"	3.05 (77.47)	4.22 (107.18)	3.13 (79.50)	3.97 (100.84)	6.73 (170.94)	2.00 (50.80)	6.52 (165.61)

^AWhen making your cable gland selection based on cable O.D., be sure to also observe the over conductors O.D. dimension.

^BMinimum cable O.D. for CSA certification is 0.49" (12.45mm) for TMCX050 0 and TMCX075 0; 0.57" (14.48mm) for TMCX100 0.