

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

1G

1G

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 Section 2G 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 Section 2G for more information)

Design features:

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



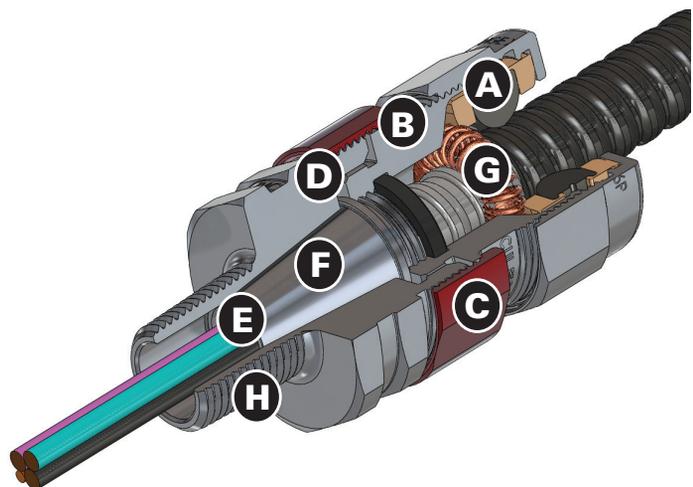
Certifications and compliances:



- 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"

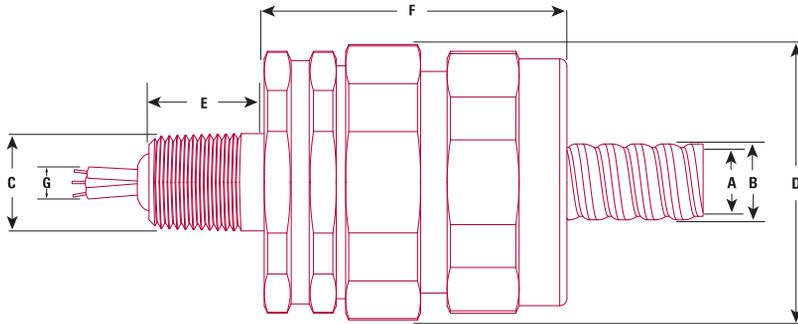
Hub size code	Thread	Sealing range code	Standard cable sealing range
M20	20mm ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
		2	16.5 mm - 29.9 mm
M25	25mm ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
M32	32mm ISO	0	12.4 mm - 22.8 mm
		1	16.5 mm - 29.9 mm
M40	40mm ISO	2	22.0 mm - 35.3 mm
		1	22.0 mm - 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.