

North American Standards -
Explosionproof

Gland Type:

Armoured barrier, TECK armoured, and non-armoured barrier

Cable Type:

Metal-clad and TECK (interlocked and continuously welded corrugated armoured), unarmoured and tray cable - TC, TC-ER (HL)

Certifications and
Compliances:

- Class I, Division 1, Groups A, B, C, D
- Class II, Groups E, F, G
- Class III
- Class I, Zone 1, Group IIC
- NEMA 6P (½" to 1-¼" size 1)
- NEMA 4 (1-½" size 2 to 4")
- UL/cULus Listed - File No. E122485

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
- 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
- See page 102 for related accessories



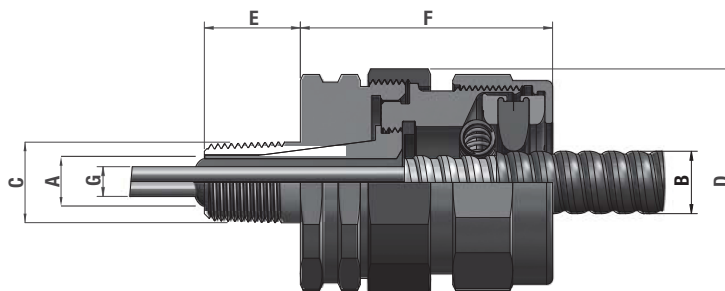
SELECTION TABLE

Entry thread 'C'	NPT catalog no.	Entry thread 'C' (metric option)	Metric catalog no.	Over cond. O.D. max. inches†	'A' armour O.D.		'B' cable O.D.†		Across corners 'D'	Thread length NPT 'E' (metric mm.)	Length 'F'
					Min.	Max.	Min.	Max.			
½"	TMCX050 0	M20	TMCXM20 0	0.480	0.36 (9.14)	0.66 (16.76)	0.45 (11.43) ‡	0.70 (17.78)	1.44 (36.51)	0.89 (22.61)	2.93 (74.42)
½"	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)
½"	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)
¾"	TMCX075 0	M25	TMCXM25 0	0.713	0.36 (9.14)	0.66 (16.76)	0.45 (11.43) ‡	0.70 (17.78)	1.63 (41.28)	0.90 (22.86)	2.93 (74.42)
¾"	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)
¾"	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) ‡	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)
1-¼"	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)
1-¼"	TMCX125 2	M40	TMCXM40 2	1.280	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)
1-½"	TMCX150 1	M50	TMCXM50 1	1.520	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)
1-½"	TMCX150 2	M50	TMCXM50 2	1.520	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	1.950	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	1.950	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)
2-½"	TMCX250 1	M75	TMCXM75 1	2.380	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)
2-½"	TMCX250 2	M75	TMCXM75 2	2.380	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	2.990	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	2.990	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)
3-½"	TMCX350 1	M110	TMCXM110 1	3.480	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)
3-½"	TMCX350 2	M110	TMCXM110 2	3.970	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	-	-	3.480	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	-	-	3.970	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)

All dimensions in inches; metric millimeters shown in parenthesis.

†When making your cable gland selection based on Cable O.D., be sure to also observe the Over Conductors O.D. dimension.

‡Minimum cable O.D. for CSA certification is 0.49 (12.45) for TMCX050 0 and TMCX075 0; 0.57 (14.48) for TMCX100 0.



Catalog Numbering System:

TMCX**050****1****NP****L****Material**

BLANK	Aluminum
SS	316 Stainless Steel
NP	Nickel-plated Brass

Compound type

BLANK	TSC
L	Liquid

Hub Size			
NPT	Hub (in.)	Metric	Hub (mm.)
050	½"	M20	20
075	¾"	M25	25
100	1"	M32	32
125	1-¼"	M40	40
150	1-½"	M50	50
200	2"	M63	63
250	2-½"	M75	75
300	3"	M90	90
350	3-½"	M110	110
400	4"	-	-

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	1-¼" NPT	1	0.87" - 1.39"
		2	1.03" - 1.71"
150	1-½" 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	2-½" 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	3-½" 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	Metric cable sealing range
M20	M20 ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
		2	16.5 mm - 29.9 mm
M25	M25 ISO	0	11.4 mm - 17.8 mm
		1	12.4 mm - 22.8 mm
		2	16.5 mm - 29.9 mm
M32	M32 ISO	0	12.4 mm - 22.8 mm
		1	16.5 mm - 29.9 mm
		2	22.0 mm - 35.3 mm
M40	M40 ISO	1	22.0 mm - 35.3 mm
		2	26.1 mm - 43.4 mm
M50	M50 ISO	1	26.1 mm - 43.4 mm
		2	36.0 mm - 52.7 mm
M63	M63 ISO	1	36.0 mm - 52.7 mm
		2	45.9 mm - 69.0 mm
M75	M75 ISO	1	45.9 mm - 69.0 mm
		2	56.8 mm - 83.3 mm
M90	M90 ISO	1	56.8 mm - 83.3 mm
		2	66.5 mm - 96.0 mm
M110	M110 ISO	1	66.5 mm - 96.0 mm
		2	78.9 mm - 108.7 mm

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4"	TMCX400 1	-	-	3.480	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	-	-	3.970	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)

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‡Minimum cable O.D. for CSA certification is 0.49 (12.45) for TMCX050 0 and TMCX075 0; 0.57 (14.48) for TMCX100 0.

