CMP Cable Glands & Accessories

Americas Product Catalog







CMP PRODUCTS





Why Choose CMP Products?

Quality Assurance & Reliability

CMP Products has an international reputation for quality and reliability and is highly regarded as the leading specialist in the design and manufacture of cable glands and accessories for general purpose and hazardous locations.

This position as market leader is maintained by listening to our customers and understanding their needs, to ensure that our solutions are practical to install and fully compliant with the latest industry standards and specifications.

In recognition of the need to demonstrate and maintain standards, CMP Products has attained approval as a 'quality assured' company, covering the design and manufacture of Cable Glands, Cable Cleats and associated accessories. Our Quality Management System is approved to ISO 9001 : 2008 and Environmental Management System ISO 14001 with our 3rd party periodic audit and ongoing approval is performed by Bureau Veritas.

Research & Development

Research and development (R&D) is fundamental to the successful advances made with our product innovations and is a major contributor to helping customers achieve reciprocal success, whilst setting CMP apart from the rest of the market. R&D at CMP Products is powered by an engineering community of highly skilled technical experts in several locations around the world.

Such a comprehensive R&D team allows us to create bespoke solutions to meet the needs of our customers, which in turn can be thoroughly tested in our on-site certified laboratory and then third party certified if required.

Compliance with Current Standards

CMP Products leads the way in the application of technical standards and with a dedicated certification team we design, manufacture and supply products that are compliant with all of the latest standards for NEC, CEC and IEC based installations.

Technical Support & Training

With several offices spread across six continents including Europe, the Americas, Australia, Asia and Africa we are able to satisfy the worldwide demand for comprehensive training in the installation of our products.

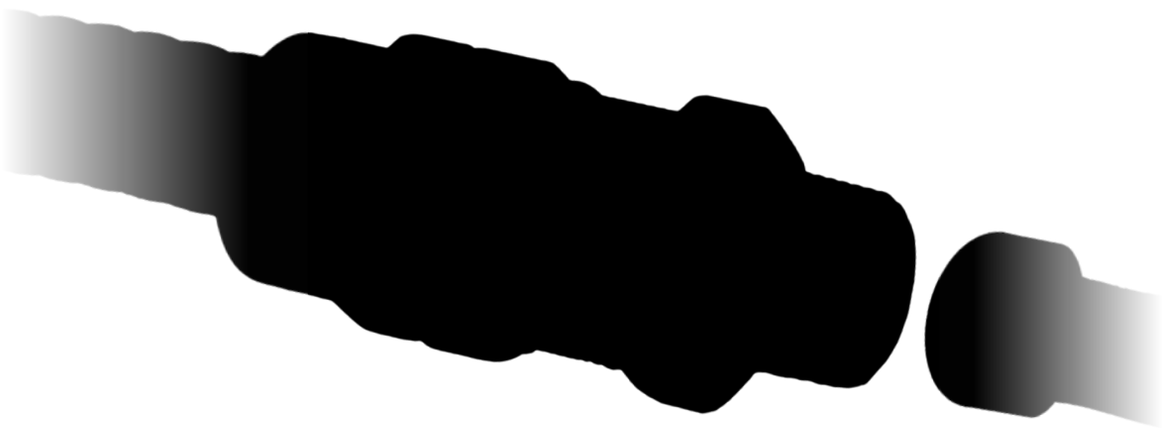
Attendees at all CMP training courses will receive a certificate of proficiency following successful completion. We also provide installation videos, as well as technical support and practical demonstrations at your premises or on-site.

Global Certification

CMP Products remains in constant touch with the development of national and international technical standards, and consequently is able to offer product solutions that are certified for multiple applications around the world. This entails a number of single off-the-shelf product solutions marked with Global Certification as standard.

International explosive atmospheres approvals held include cCSAus, CSA, UL, ATEX, IECEx, INMETRO, KCS, NEPSI, CIDET, CCOE / PESO, RETIE, EAC and Marine Approvals.

CMP Products Cable Glands - The Key Features



NEMA / IP Environmental Seal

The TMC2X incorporates a 'weak back' seal which is designed to prevent the ingress of dust and rain, splashing water, hose-directed water and damage from exterior ice formation. The seal enables the gland to meet the requirements of NEMA 4X and IP66. The seal provides a wide cable acceptance range allowing cables from 0.5" to 4.25" to be incorporated in only 12 trade sizes of connector. The seal is manufactured from low smoke, flame resistant, halogen-free elastomer which meets the requirements of EN50267-2-1 and LUL Fire Safety Regulations.

Armor Termination

The TMC2X has been designed and tested to terminate all types of metal clad cables including continuous alumd t3 (9-9.6 9 T)-9- (I)XJETEMC /Span <</Lang (en-GB)/MCID 175 XDC B11 0.01 Tw 10 0 0 10

How to Order

On each of the main Cable Gland product pages in this catalog you will find a Cable Gland selection table which includes the part number for ordering purposes. The part number is composed of the CMP size, type number, and standard suffix. The default material is nickel plated brass and the thread type is NPT. The basic part number would reflect this unless one or more suffixes are added to the part number, changing the material or the thread type and size, as demonstrated below.

For ordering TC, TMC2, and TMC2X please see opposing page.
For ordering TMC and TMCX please see product pages.

Example Ordering

20 T3CDS	1 RA	5	3	1
Size Type	Standard Suffix I.D.	Nickel Plated Finish	NPT Entry	½"

Cable Gland Size / Type	Design Options (If applicable)		Supply Type		CMP Suffix		Material		Entry Thread Type		Entry Thread Size**				
												Metric (for reference only)	NPT / BSP / NPSM	Imperial	PG
e.g. 20T3CDS	D	Deluge Seal	1	Cable Gland	RA	Standard Cable Gland	0 or *	Brass	*	Metric			3/8"	½"	7
e.g. 40PX2KX					1EX	RapidEx Pack	1	Aluminum	1	Imperial Electrical Thread (E.T)	1	M16	½"	5/8"	9
e.g. 50SC2KX					RA/B	Brazilian Certified Cable Gland	2	Nylon	2	PG	2	M20	¾"	¾"	11
							3	Mild Steel	3	NPT	3	M25	1"	1"	13.5
							4	Stainless Steel	4	BSPP	4	M32	1 ¼"	1 ¼"	16
							5	Nickel Plated Brass	5	NPSM	5	M40	1 ½"	1 ½"	21
									6	BSPT	6	M50	2"	2"	29
											7	M63	2 ½"	2 ½"	36
											8	M75	3"	3"	42
											9	M90	3 ½"	3 ½"	48
											10	M100	4"	4"	
											11	M115	5"	5"	
											12	M130			

Quick How to Order

Size	Type	Standard Suffix	Material	Thread Type	Thread Size
20	T3CDS	1RA	5	3	1
BRASS - METRIC					
NICKEL PLATED BRASS - METRIC					
NICKEL PLATED BRASS - NPT					

** No suffix required when brass metric cable glands are ordered. Digit 0 to be used for material code only when the threads type is not metric.*
*** Other thread sizes available upon request.*

Example Ordering

TC-	100	A	079	*No further reference required*
Type	1″	Aluminum	1.18″	
TMC2X-	050	NB	099	X *No further reference required*
Type	½″	Nickel Plated Finish	0.99″	Suffix I.D.
TMC2-	075	SS	075	*No further reference required*
Type	¾″	Stainless Steel	0.75″	

Cable Gland Type		Thread Order Reference*		Material		Max Cable Jacket Diameter (TMC2, TMC2X)		Max Cable Diameter (TC)		Supply Type	
TMC2X	-	050	½″	A	Aluminum	075	0.75″	028	0.28″	X	with RapidEx** (TMC2X only)
TMC2		075	¾″	SS	Stainless Steel	099	0.99″	055	0.55″		
TC		100	1″	NB	Nickel Plated Brass	118	1.18″	079	0.79″		
		125	1 ¼"			137	1.37″	104	1.04″		
		150	1 ½″			162	1.62″	127	1.27″		
		200	2″			190	1.90″	150	1.50″		
		250	2 ½″			200	2.00″	174	1.74″		
		300	3″			233	2.33″	197	1.97″		
		350	3 ½″			272	2.72″	220	2.20″		
		400	4″			325	3.25″	244	2.44″		
						376	3.76″	268	2.68″		
						425	4.25″	315	3.15″		
								354	3.54″		

** Other thread types and sizes available upon request.*
*** Supplied in pack with RapidEx resin*

RapidEx - The Fast Curing, Gas Blocking, Liquid Resin Seal

RAPID Ex™

The effective sealing of instrument and electrical cables should not be underestimated.

Traditional barrier type Cable Glands employing an epoxy-cured clay based sealing compound, have been used in the industry for many years, to provide effective explosion protection. However, a certain degree of skill is required with this tradditional installation process and the risk of voids increases with the number of cable cores.

Multi-core cable requires the highest degree of competence and a long installation time to ensure a void-free, safe installation. An inability to recognize this will lead to rework, or risk of failure of the seal.

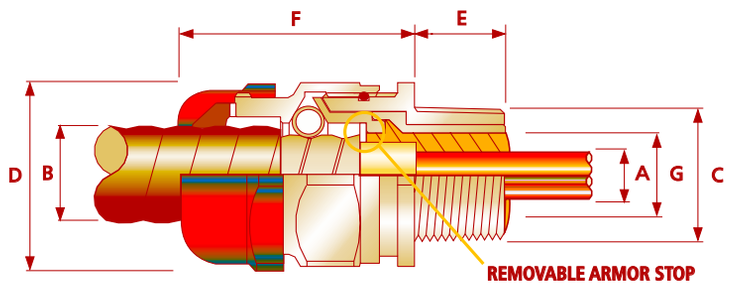
RapidEx is a liquid pour, fast curing, liquid resin barrier seal that installs in seconds and cures in minutes.

Its unique formula begins with a low viscosity liquid that flows into the cable interstices completely surrounding the cable conductors, and in the process displacing the air from the Cable Gland's sealing chamber ensuring the 'perfect seal'.

- The viscosity increases and completely cures in less than 40 minutes (at 68°F)
- Enhances reliability, reduces risk
- Delivers unprecedented reliability
- Minimizes installation time
- Clean and easy to use



	Cable Gland Size															
	20s	20	25	25s	32	40s	40	50s	50	63s	63	75s	75	90	100	115
M20	1 X 30	1 X 30														
M25			1 X 30	1 X 30												
M32					1 X 30											
M40							1 X 30									
M50								1 X 80	1 X 80							
M63										1 X 80	1 X 80					
M75												2 X 80	2 X 80			
M90														2 X 80		
M100															3 X 80	
1/2"	1 X 30	1 X 30														
3/4"	1 X 30	1 X 30	1 X 30													
1"			1 X 30	1 X 30	1 X 30	1 X 30										
1 1/4"					1 X 30	1 X 30	1 X 30									
1 1/2"						1 X 30	1 X 30	1 X 30	1 X 30	1 X 30						
2"								1 X 80	1 X 80	1 X 80	1 X 80					
2 1/2"										2 X 80	2 X 80	2 X 80	2 X 80			
3"													3 X 80	3 X 80	3 X 80	
3 1/2"														3 X 80	3 X 80	
4"															3 X 80	3 X 80



TMCX

TMCX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For MC, MC-HL, Interlocked & Teck Armored Cables

- Simple, sequential installation process
- Compound barrier type flameproof seal
- Integral protected deluge seal
- 360˚ grounding spring (non-magnetic)
- Disconnectable, union design feature
- -76˚F to 185˚F / -60°C to 85°C
- Globally marked, UL, cCSAus, IECEx & ATEX

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA07ATEX1122X
Code of Protection	Ex II 2GD, Ex d IIC, Ex e IIC, Ex tD A21 IP66
Compliance Standards	EN 60079-0,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 07.0083X
Code of Protection	Ex d IIC, Ex e II, Ex tD A21 IP66
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	1129339
CSAus Code of Protection	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 3, 4, 4X. Class I, Zone 1, AEx d IIC; AEx e II
cCSA Code of Protection	Class I, Div 1 and 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 3, 4, 4X. Ex d IIC; Ex e II:
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0, CAN/CSA-E60079-1
UL Certificate	E256366
Code of Protection	Class I, Div 2, Groups A,B,C,D, Class II, Div 2, Groups F,G Class I, Zone 1, AEx d IIC, AEx e II
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	NEMA 4X & IP66**
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic)
Jacket Sealing Technique	CMP Unique Displacement Seal Concept
Sealing Area(s)	Inner Compound Barrier and Cable Outer Jacket
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Gland Material	Copper Free (<0.4%) Aluminum, Stainless Steel, Electroless Nickel Plated Brass

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*

Cable Gland Selection Table

Refer to illustration at the top of the page

Order Reference (NPT)			Entry Thread "C"	Entry Thread "C"	Minimum Thread Length "E"	Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Nominal Assembly Length "F"	Max		Shroud	Weight (Ozs)
							Armor Stop in		Armor Stop Out					Across Flats "D"	Across Corners "D"		
Aluminum	Nickel Plated Brass	Stainless Steel	NPT	Metric	NPT	Metric	Min	Max	Min	Max	Min	Max					
TMCX050SA	TMCX050SNB	TMCX050SSS	1/2"	M20	0.78	0.59	No Stop	No Stop	0.34	0.50	0.35	0.55	1.83	1.20	1.32	PVC06	7.90
TMCX050A	TMCX050NB	TMCX050SS	1/2"	M20	0.78	0.59	No Stop	No Stop	0.51	0.67	0.44	0.79	2.06	1.42	1.56	PVC09	9.91
TMCX075A	TMCX075NB	TMCX075SS	3/4"	M25	0.80	0.59	0.59	0.76	0.76	0.92	0.67	1.04	2.09	1.61	1.78	PVC10	11.61
TMCX100A	TMCX100NB	TMCX100SS	1"	M32	0.98	0.59	0.78	0.97	0.97	1.15	0.87	1.27	2.24	1.97	2.17	PVC13	17.53
TMCX125A	TMCX125NB	TMCX125SS	1 1/4"	M40	1.01	0.59	1.08	1.23	1.23	1.39	1.16	1.50	2.22	2.17	2.38	PVC15	20.92
TMCX150A	TMCX150NB	TMCX150SS	1 1/2"	M50	1.03	0.59	1.32	1.46	1.46	1.62	1.40	1.74	2.31	2.36	2.60	PVC18	24.45
TMCX200SA	TMCX200SNB	TMCX200SSS	2"	M50	1.06	0.59	1.51	1.68	1.68	1.85	1.58	1.97	2.52	2.76	3.03	PVC21	42.33
TMCX200A	TMCX200NB	TMCX200SS	2"	M63	1.06	0.59	1.77	1.93	1.93	2.09	1.86	2.21	2.49	2.95	3.25	PVC23	38.80
TMCX250SA	TMCX250SNB	TMCX250SSS	2 1/2"	M75	1.57	0.59	2.05	2.16	2.16	2.32	2.08	2.44	2.73	3.15	3.47	PVC25	59.97
TMCX250A	TMCX250NB	TMCX250SS	2 1/2"	M75	1.57	0.59	2.25	2.41	2.41	2.55	2.33	2.68	2.84	3.35	3.68	PVC27	56.48
TMCX300A	TMCX300NB	TMCX300SS	3"	M90	1.63	0.95	2.54	2.78	2.78	2.97	2.62	3.13	3.87	4.33	4.76	LSF32	123.46
TMCX350A	TMCX350NB	TMCX350SS	3 1/2"	M100	1.69	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.52	5.25	5.78	LSF34	236.34
TMCX400A	TMCX400NB	TMCX400SS	4"	M115	1.73	0.95	2.91	3.29	3.29	3.49	2.99	3.83	4.52	5.25	5.78	LSF34	264.55

Order Code Example: TMCX250SS "TMC" (Gland Type) - "250" (2-1/2" NPT Thread) - "SS" (Material Stainless Steel)

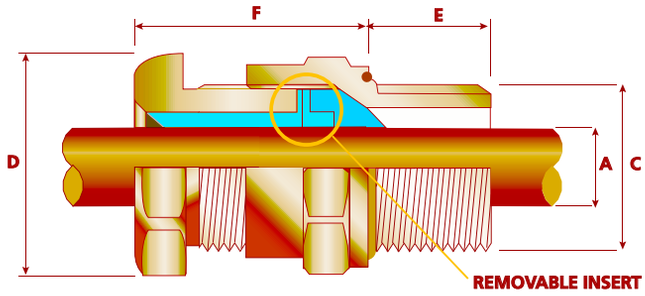
Dimensions are displayed in inches unless otherwise stated

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Mechanical Classifications*	Impact = Level 8, Retention = Class D
ATEX Certificate	SIRA09ATEX1164X
Code of Protection	Ⓔx II 2GD, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 09.0068X
Code of Protection	Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7,31
cCSAus Certificate	2194053
CSAus Code of Protection	Class I, Div 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 4X. Class I, Zone 1, AEx e II; AEx ta IIC:
cCSA Code of Protection	Class I, Div 2, Groups A, B, C and D; Class II, Div 1 and 2, Groups E, F, and G; Class III, Div 1 and 2; Encl. Type 4X. Ex e II;
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E61241-1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating	NEMA 4X & IP66**
Cable Type	Corrugated & Interlocked Metal Clad Armor (MC) or TECK90, Continuously Welded Metal Clad Armor (MCHL), ACIC-HL, ACWU90-HL, RC90-HL, RA90-HL
Armor Clamping	360° Stainless Steel Grounding Spring (non-magnetic)
Jacket Sealing Technique	CMP Load Retention Seal
Sealing Area(s)	Cable Outer Jacket
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Gland Material	Copper Free (<0.4%) Aluminum, Stainless Steel, Electroless Nickel Plated Brass

Cable Gland Selection Table

Refer to illustration at the top of the page

Order Reference (NPT suffix required)			Entry Thread "C"		Minimum Thread Length "E"	Cable Armor Diameter "A"				Cable Jacket Diameter "B"		Thru Bore "G"	Across Flats "D"	Across Corners "D"	Nominal Assembly Length "F"	Shroud	Approx Weight Aluminum (Ozs)
						Armor Stop In		Armor Stop Out									
Aluminum	Nickel Plated Brass	Stainless Steel	NPT Standard	NPT Option		Min	Max	Min	Max	Min	Max	Max	Max	Max			
TMC2-050A075	TMC2-050NB075	TMC2-050SS075	1/2"	-	0.78	0.42	0.55	0.55	0.63	0.50	0.75	0.51	1.20	1.32	2.44	PVC06	2.29
TMC2-075A075	TMC2-075NB075	TMC2-075SS075	-	3/4"	0.80	0.42	0.55	0.55	0.63			0.51					
TMC2-050A099	TMC2-050NB099	TMC2-050SS099	1/2"	-	0.78	0.60	0.65	0.65	0.89	0.69	0.99	0.61	1.48	1.63	2.96	PVC09	3.00
TMC2-075A099	TMC2-075NB099	TMC2-075SS099	-	3/4"	0.80	0.60	0.78	0.78	0.89			0.75					
TMC2-075A118	TMC2-075NB118	TMC2-075SS118	3/4"	-	0.80	0.79	0.86	0.86	1.10	0.87	1.18	0.82	1.81	1.99	3.15	PVC11	5.11
TMC2-100A118	TMC2-100NB118	TMC2-100SS118	-	1"	0.98	0.79	0.98	0.98	1.10			0.95					
TMC2-100A137	TMC2-100NB137	TMC2-100SS137	1"	-	0.98	0.94	1.08	1.08	1.28	1.02	1.37	1.04	2.05	2.26	3.55	PVC15	6.70
TMC2-125A137	TMC2-125NB137	TMC2-125SS137	-	1-1/4"	1.01	0.94	1.18	1.18	1.28			1.14					
TMC2-125A162	TMC2-125NB162	TMC2-125SS162	1-1/4"	-	1.01	1.22	1.35	1.35	1.50	1.30	1.62	1.31	2.36	2.60	3.59	PVC18	8.82
TMC2-150A162	TMC2-150NB162	TMC2-150SS162	-	1-1/2"	1.03	1.22	1.42	1.42	1.50			1.38					
TMC2-125A190	TMC2-125NB190	TMC2-125SS190	1-1/4"	-	1.01	-	-	1.51	1.72	1.57	1.90	1.37	2.56	2.82	3.59	PVC37	9.45
TMC2-150A190	TMC2-150NB190	TMC2-150SS190	-	1-1/2"	1.03	-	-	1.51	1.72			1.54					
TMC2-150A200	TMC2-150NB200	TMC2-150SS200	1-1/2"	-	1.03	1.57	1.70	1.70	1.88	1.65	2.00	1.61	2.75	3.03	3.76	PVC21	11.06
TMC2-200A200	TMC2-200NB200	TMC2-200SS200	-	2"	1.06	1.57	1.70	1.70	1.88			1.65					
TMC2-150A233	TMC2-150NB233	TMC2-150SS233	-	1-1/2"	1.03	-	-	1.81	2.21	1.90	2.33	1.61	2.95	3.25	3.97	PVC23	12.77
TMC2-200A233	TMC2-200NB233	TMC2-200SS233	2"	-	1.06	-	-	1.81	2.21			2.03					
TMC2-250A233	TMC2-250NB233	TMC2-250SS233	-	2-1/2"	1.57	-	-	1.81	2.21			2.03					
TMC2-200A272	TMC2-200NB272	TMC2-200SS272	-	2"	1.06	2.14	2.46	2.17	2.61	2.27	2.72	2.07	3.54	3.89	4.10	PVC28	24.69
TMC2-250A272	TMC2-250NB272	TMC2-250SS272	2-1/2"	-	1.57	2.14	2.46	2.46	2.61			2.40					
TMC2-300A272	TMC2-300NB272	TMC2-300SS272	-	3"	1.63	2.14	2.46										



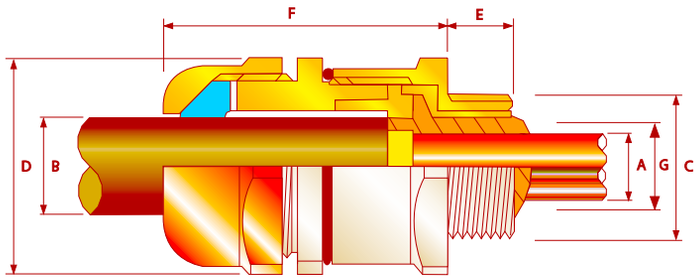
TC

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
ATEX Certificate	SIRA09ATEX1092X
Code of Protection	Ⓔx II 2 GD, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7, EN 61241-0,1
IECEx Certificate	IECEx SIR 09.0042X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7 IEC 61241-1
cCSAus Certificate	2220601
CSAus Code of Protection	Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X. Class I, Zone 1, AEx e:
cCSA Code of Protection	Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups E, F, and G; Class III, Div. 2; Encl. Type 4X. Ex e;
Compliance Standards	CAN/CSA-C22.2 Various Sections (See Certificate) CAN/CSA-E60079-0,7, CAN/CSA-E61241-1-1, ANSI/UL 514B Ed 5, ANSI/UL 50Ed 11, ANSI/UL 60079-0,7
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB. 05.B.00138
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 15-LD1410479-PDA
Ingress Protection Rating	IP66, IP67 & IP68**
NEMA Rating	NEMA 4X**
Cable Gland Material	Copper Free (<0.4%) Aluminum, Nickel Plated Brass, Stainless Steel
Cable Type	Tray Cable & Cords, Unarmored / Braid (IEC)
Sealing Technique	CMP Displacement Seal with Removable Insert
Sealing Area(s)	Cable Outer Jacket

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*

Cable Gland Selection Table

Refer to illustration at the top of the page



PXSS2K

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ex II 2 GD, II 1D, Ex d IIC Gb, Ex e IIc Gb, Ex ta IIIC Da Ex II 3 G Ex nR IIC Gc, Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	/T10(S)-s3907 DC0X

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

Cable Gland Selection Table

Refer to illustration at the top of the page

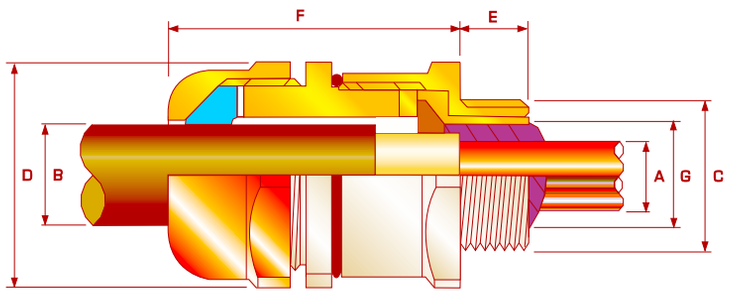
Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.34	0.34	0.12	0.34	1.18	1.30	2.09	20S16	PXSS2K	1RA531	PVC06	7.06
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.46	1.18	1.30	2.09	20S	PXSS2K	1RA531	PVC06	7.06
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.26	0.55	1.18	1.30	2.13	20	PXSS2K	1RA531	PVC06	7.06
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.44	0.79	1.42	1.56	2.36	25	PXSS2K	1RA532	PVC09	11.64
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.67	1.04	1.61	1.78	2.41	32	PXSS2K	1RA533	PVC10	13.76
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	0.87	1.26	1.97	2.17	2.46	40	PXSS2K	1RA534	PVC13	19.75
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.16	1.50	2.17	2.38	2.57	50S	PXSS2K	1RA535	PVC15	23.28
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.40	1.73	2.36	2.60	2.66	50	PXSS2K	1RA536	PVC18	25.75
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.58	1.97	2.76	3.03	2.80	63S	PXSS2K	1RA536	PVC21	37.74
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	1.86	2.20	2.95	3.25	2.77	63	PXSS2K	1RA537	PVC23	37.39
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.08	2.44	3.15	3.47	2.97	75S	PXSS2K	1RA537	PVC25	45.86
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.33	2.67	3.35	3.68	2.95	75	PXSS2K	1RA538	PVC27	45.86
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	2.62	3.13	4.25	4.68	3.73	90	PXSS2K	1RA539	PVC31	106.53
100	3 1/2"	4"	M100	1.69	200	3.37	3.38	2.99	3.58	4.84	5.33	3.40	100	PXSS2K	1RA5310	LSF33	141.10

**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39 (Brass requires prefix "0")

Examples: 32PXSS2K1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPXSS2K1RA035 = Brass 1-1/2" NPT, 25PXSS2K1RA432 = Stainless Steel 3/4" NPT, 20PXSS2K1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated

RAPID Ex



PXSS2KREX

PXSS2KREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Unarmored Cables

- RapidEx liquid pour sealing system
  - Enhances reliability, reduces risk
  - Reduces man hours
  - Reduces cost
- Direct & remote installation
- Superior levels of cable retention
- Displacement type environmental seal
- Designed to prevent Coldflow
- Deluge protected
- Disconnectable, union feature design
- -76˚F to 185˚F / -60°C to 85°C
- Globally marked, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form

Supplied in pack with RapidEx resin

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ex II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da Ex II 3G Ex nR IIC Gc, Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN CSA-E61241-1-1, Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0:07
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Barrier Compound
Cable Type	Unarmored***
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	RapidEx Resin Barrier & Cable Outer Sheath

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

Cable Gland Selection Table

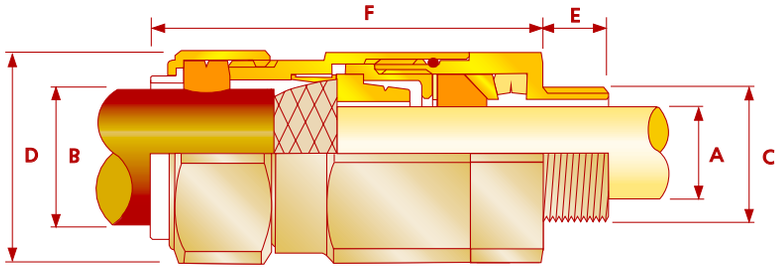
Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.34	0.34	0.12	0.34	1.18	1.30	2.09	20S16	PXSS2KREX	1EX531	PVC06	7.06
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.46	1.18	1.30	2.09	20S	PXSS2KREX	1EX531	PVC06	7.06
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.26	0.55	1.18	1.30	2.13	20	PXSS2KREX	1EX531	PVC06	7.06
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.44	0.79	1.42	1.56	2.36	25	PXSS2KREX	1EX532	PVC09	11.64
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.67	1.04	1.61	1.78	2.41	32	PXSS2KREX	1EX533	PVC10	13.76
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	0.87	1.26	1.97	2.17	2.46	40	PXSS2KREX	1EX534	PVC13	19.75
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.16	1.50	2.17	2.38	2.57	50S	PXSS2KREX	1EX535	PVC15	23.28
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.40	1.73	2.36	2.60	2.66	50	PXSS2KREX	1EX536	PVC18	25.75
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.58	1.97	2.76	3.03	2.80	63S	PXSS2KREX	1EX536	PVC21	37.74
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	1.86	2.20	2.95	3.25	2.77	63	PXSS2KREX	1EX537	PVC23	37.39
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.08	2.44	3.15	3.47	2.97	75S	PXSS2KREX	1EX537	PVC25	45.86
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.33	2.67	3.35	3.68	2.95	75	PXSS2KREX	1EX538	PVC27	45.86
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	2.62	3.13	4.25	4.68	3.73	90	PXSS2KREX	1EX539	PVC31	106.53
100	3 1/2"	4"	M100	1.69	200	3.37	3.38	2.99	3.58	4.84	5.33	3.40	100	PXSS2KREX	1EX5310	LSF33	141.10

**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PXSS2KREX1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPXSS2KREX1RA035 = Brass 1-1/2" NPT, 25PXSS2KREX1RA432 = Stainless Steel 3/4" NPT, 20PXSS2KREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



T3CDS

Triton CDS (T3CDS) Globally Approved, Hazardous (Classified) Location Cable Gland

For all types of Armored Cables

- Fully sequential, three step installation procedure
- Reduces installation times, cost & risk
- Direct & remote installation
- Unique compensating displacement seal system (CDS)
  - Metal-to-metal installation every time regardless of cable diameter
- Designed to prevent Coldflow
- Integral protected deluge seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76˚F to 266˚F (standard), -4˚F to 392˚F (ThermEx option)
- Globally marked, UL, cCSAus, IECEx & ATEX
- As standard in nickel plated brass with NPT thread form

† ***Grooved Cone (X)*** *is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).*

Grooved Cone (X) *dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below.*

Stepped (W) Cone *is suitable for Single Wire Armor (SWA), or Aluminum Wire Armor (AWA) cables.*

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classification*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classification*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1073X, SIRA13ATEX4079X
Code of Protection	Ⓔx II 2G,II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ⓔx II 3G Ex nR IIC Gc, Ⓔx I M2, Ex d I Mb, Ex e I Mb
Compliance Standards	EN60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0028X, IECEx SIM 14.0007X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	1310517
CSAus Code of Protection	Class I, Div 2, Groups A,B,C and D, Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 3, 4 and 4X, Class I, Zone 1, AEx e II, AEx nR II
cCSA Code of Protection	Class I, Div 2, Groups A,B,C and D, Class II, Div 2, Groups E,F and G, Class III, Enclosure Type 3, 4 and 4X, Ex d IIC, Ex e IIC, Ex nR II
Compliance Standards	CAN/CSA-C22.2 No 0, 18, 25, 30, 94, 174, CAN/CSA-E60079-0, 1, 7, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079-0, 1, 7
UL Certificate (20s16 - 90)	E200163
Code of Protection	Class I, Zone 1, AEx e II
Compliance Standards	UL514B
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.B00138
NEPSI Certificate	GYJ13.1141X / GYJ13.1283X
CCOE / PESO (India) Certificate	P333688
INMETRO Certificate	TUV 11.0374X
RETIE Certificate	03866
Marine Certificates	LRS: 01/00172 (E3), DNV: E-13848, ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68 **
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer
Cable Type(s)	Steel / Served Wire Armor (SWA), Aluminum Wire Armor (AWA), Pliable Wire Armor (PWA), Steel Tape Armor (STA), Aluminum Strip Armor (ASA), Screened Flexible (EMC) Wire Braid (e.g CY/SY), Wire Braid Armor (e.g SWB)
Armor Clamping	Reversible Armor Cone & AnyWay Universal Clamping Ring
Sealing Technique	Inner Bedding Sealing Ring: Compensating Displacement Seal (CDS), Outer Sheath Sealing Ring: Load Retention Seal (LRS)
Sealing Area(s)	Cable Inner Bedding & Outer Cable Sheath

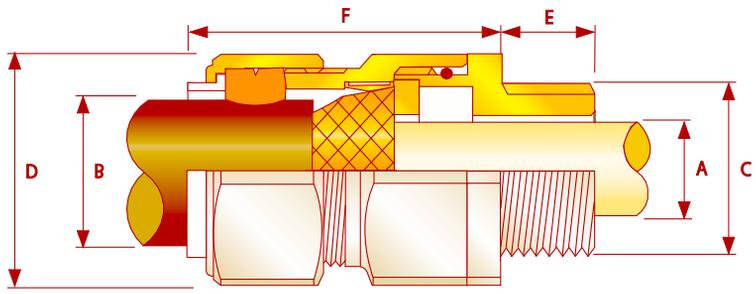
** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*

Cable Gland Selection Table

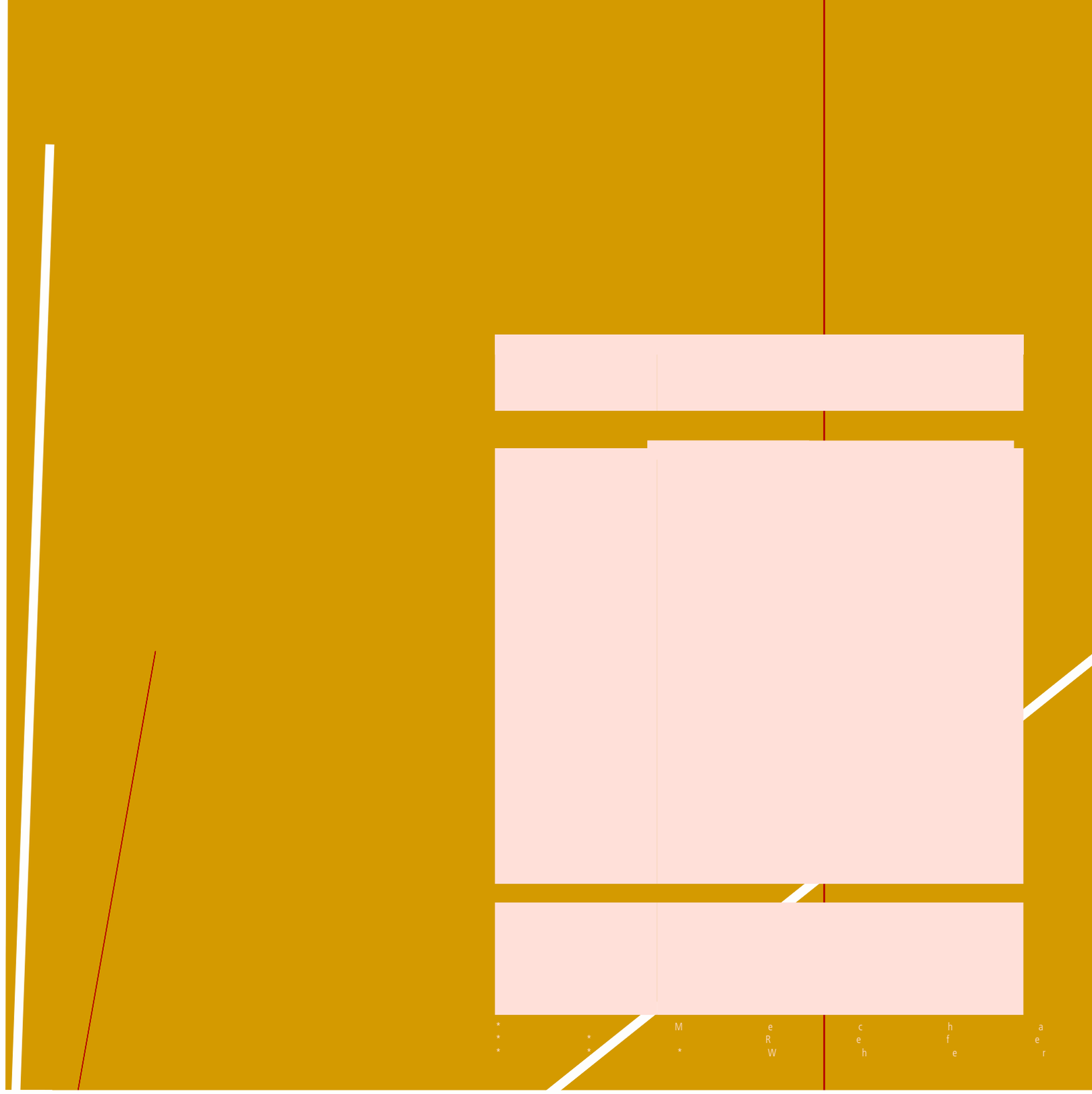
Refer to illustration at the top of the page

Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Cable Bedding Diameter "A"		Overall Cable Diameter "B"		Armor Range †				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
									Grooved Cone (X)		Stepped Cone (W)									
	NPT	NPT (Option)	Metric (Option)		Min	Max	Min	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	0.12	0.34	0.24	0.52	0.01	0.04	0.03	0.05	0.95	1.04	3.10	20S16	T3CDS	1RA531	PVC36	7.06
20S	1/2"	3/4"	M20	0.78	0.24	0.46	0.37	0.63	0.01	0.04	0.03	0.05	0.95	1.04	3.10	20S	T3CDS	1RA531	PVC36	6.91
20	1/2"	3/4"	M20	0.78	0.26	0.55	0.49	0.82	0.02	0.04	0.03	0.05	1.20	1.32	3.00	20	T3CDS	1RA531	PVC06	9.77
25S	3/4"	1"	M25	0.80	0.44	0.78	0.55	0.87	0.02	0.05	0.05	0.06	1.48	1.62	3.49	25S	T3CDS	1RA532	PVC09	15.34
25	3/4"	1"	M25	0.80	0.44	0.78	0.72	1.03	0.02	0.05	0.05	0.06	1.48	1.62	3.49	25	T3CDS	1RA532	PVC09	15.34
32	1"	1 1/4"	M32	0.98	0.67	1.03	0.93	1.34	0.02	0.05	0.06	0.08	1.81	1.99	3.57	32	T3CDS	1RA533	PVC11	22.33
40	1 1/4"	1 1/2"	M40	1.01	0.87	1.26	1.10	1.59	0.02	0.06	0.06	0.08	2.17	2.38	3.67	40	T3CDS	1RA534	PVC15	31.92
50S	1 1/2"	2"	M50	1.03	1.16	1.50	1.39	1.84	0.02	0.06	0.08	0.10	2.36	2.60	3.96	50S	T3CDS	1RA535	PVC18	39.65
50	2"	2 1/2"	M50	1.06	1.40	1.73	1.59	2.09	0.02	0.06	0.08	0.10	2.76	3.04	4.16	50	T3CDS	1RA536	PVC21	56.58
63S	2"	2 1/2"	M63	1.06	1.58	1.97	1.80	2.34	0.02	0.06	0.08	0.10	2.95	3.24	4.03	63S	T3CDS	1RA536	PVC23	61.10
63	2 1/2"	3"	M63	1.57	1.86	2.20	2.15	2.59	0.02	0.06	0.08	0.10	3.15	3.47	4.15	63	T3CDS	1RA537	PVC25	62.72
75S	2 1/2"	3"	M75	1.57	2.08	2.44	2.32	2.84	0.02	0.06	0.08	0.10	3.54	3.90	4.35	75S	T3CDS	1RA537	PVC28	90.70
75	3"	3 1/2"	M75	1.63	2.33	2.67	2.63	3.09	0.02	0.06	0.10	0.12	3.94	4.33	4.73	75	T3CDS	1RA538	PVC30	117.93
90	3 1/2"	4"	M90	1.69	2.62	3.09	3.00	3.56	0.03	0.06	0.12	0.16	4.53	4.98	5.47	90	T3CDS	1RA539	PVC32	171.73
100	3 1/2"	4"	M100	1.69	2.99	3.58	3.39	3.99	0.03	0.06	0.12	0.16	5.00	5.50	5.05	100	T3CDS	1RA539	LSF33	175.28
115	4"	5"	M115	1.73	3.39	3.85	4.00	4.34	0.03	0.06	0.12	0.16	5.43	5.98	6.35	115	T3CDS	1RA5310	LSF34	272.35
130	5"	-	M130	1.84	3.82	4.52	4.34	4.85	0.03	0.06	0.12	0.16	6.00	6.80	6.82	130	T3CDS	1RA5311	LSF35	344.37

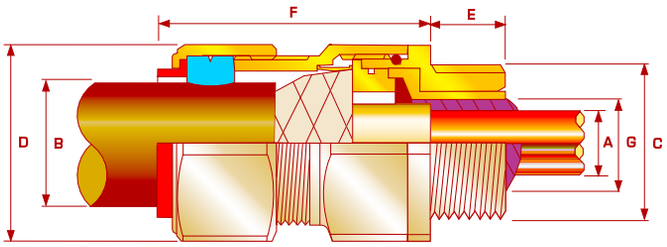
**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")
Examples: 32T3CDS1RA533534 = Nickel Plated Brass 1-1/4" NPT, 50ST3CDS1RA536035 = Brass 1-1/2" NPT, 25T3CDS1RA532432 = Stainless Steel 3/4" NPT, 20T3CDS1RA5315 = Nickel Plated Brass M20
Dimensions are displayed in inches unless otherwise stated



Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Cable Bedding Diameter "A"	Overall Cable Diameter "B"		Armor Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)		Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	0.34	0.24	0.52	0.01	0.04	1.20	1.32	2.56	20S16	C2KX	1RA531	PVC06	8.19
20S	1/2"	3/4"	M20	0.78	0.46	0.37	0.63	0.01	0.04	1.20	1.32	2.44	20S	C2KX	1RA531	PVC06	7.96
20	1/2"	3/4"	M20	0.78	0.55	0.49	0.82	0.02	0.04	1.20	1.32	2.48	20	C2KX	1RA531	PVC06	7.86
25S	3/4"	1"	M25	0.80	0.79	0.55	0.87	0.02	0.05	1.48	1.62	2.74	25S	C2KX	1RA532	PVC09	12.24
25	3/4"	1"	M25	0.80	0.79	0.72	1.03	0.02	0.05	1.48	1.62	2.74	25	C2KX	1RA532	PVC09	12.24
32	1"	1 1/4"	M32	0.82	1.03	0.91	1.24	0.03	0.06	1.87	2.05	2.99	32	C2KX	1RA533	PVC11	19.06
40	1 1/4"	1 1/2"	M40	0.82	1.16	1.03	1.38	0.03	0.06	2.09	2.29	3.03	40	C2KX	1RA534	PVC13	24.06


M e c h a
R e f e
W h e r

RAPID Ex



PX2KXREX

PX2KXREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Braid & Tape Armored Cables

- RapidEx liquid pour sealing system
  - Enhances reliability, reduces risk
  - Reduces man hours
  - Reduces cost
- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Disconnectable, union feature design
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76˚F to 185˚F
- Globally marked, cCSAus, IECEx & ATEX
- EMC tested
- As standard in nickel plated brass with NPT thread form

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓔx II 2G, II 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da Ⓔx II 3G Ex nR IIC Gc, Ⓔx IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
Cable Type	Braid Armored Shipboard cable and all IEC Braid Cables***
Armor Clamping	Detachable Resin Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner RapidEx Barrier Seal & Outer Sheath

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

† ***Grooved Cone (X)*** *is predominantly used for Wire Braid (e.g. GSWB, TCWB), Steel Tape Armor (STA, DSTA) and Aluminum Strip Armor (ASA) but is also suitable for Single Wire Armor (SWA), Aluminum Wire Armor (AWA) and Pliable Wire Armor (PWA) if the range is outside that of the Stepped Cone (W).*

Grooved Cone (X) *dimensions shown in the Cable Gland Selection Table below are for a double wire strand of braid armor cables. Tapes can also be doubled over. For cables that have only a single layer of armor such as SWA the clamping range should be used as shown in the table below.*

Supplied in pack with RapidEx resin

Cable Gland Selection Table

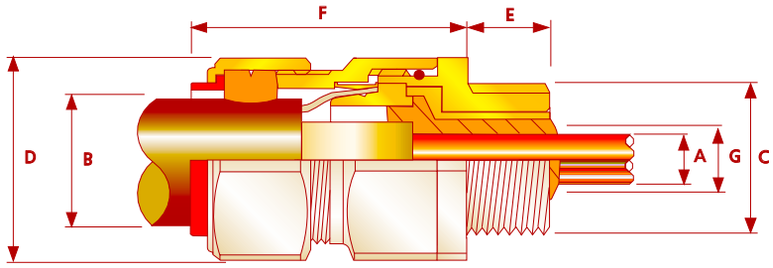
Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range † Grooved Cone (X)		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.52	0.01	0.04	1.20	1.32	2.44	20S16	PX2KXREX	1EX531	PVC06	8.47
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.37	0.63	0.01	0.04	1.20	1.32	2.44	20S	PX2KXREX	1EX531	PVC06	8.11
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.49	0.82	0.02	0.04	1.20	1.32	2.48	20	PX2KXREX	1EX531	PVC06	8.47
25S	3/4"	1"	M25	0.80	21	0.69	0.70	0.55	0.87	0.02	0.05	1.48	1.62	2.74	25S	PX2KXREX	1EX532	PVC09	13.05
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.72	1.03	0.02	0.05	1.48	1.62	2.74	25	PX2KXREX	1EX532	PVC09	13.05
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.93	1.34	0.02	0.05	1.81	1.99	2.95	32	PX2KXREX	1EX533	PVC11	20.11
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	1.10	1.59	0.02	0.06	2.17	2.38	2.95	40	PX2KXREX	1EX534	PVC15	28.22
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.39	1.84	0.02	0.06	2.36	2.60	3.03	50S	PX2KXREX	1EX535	PVC18	31.75
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.59	2.09	0.02	0.06	2.76	3.03	3.03	50	PX2KXREX	1EX536	PVC21	41.98
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.80	2.34	0.02	0.06	2.95	3.25	3.14	63S	PX2KXREX	1EX536	PVC23	49.03
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	2.15	2.59	0.02	0.06	3.15	3.47	3.16	63	PX2KXREX	1EX537	PVC25	49.74
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.32	2.84	0.02	0.06	3.54	3.90	3.42	75S	PX2KXREX	1EX537	PVC28	73.72
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.63	3.09	0.02	0.06	3.94	4.33	3.48	75	PX2KXREX	1EX538	PVC30	89.60
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	3.00	3.56	0.03	0.06	4.53	4.98	4.02	90	PX2KXREX	1EX539	PVC32	130.87
100	3 1/2"	4"	M100	1.73	200	3.37	3.38	3.39	3.99	0.03	0.06	5.00	5.50	4.49	100	PX2KXREX	1EX5310	LSF33	169.67

**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PX2KXREX1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPX2KXREX1RA035 = Brass 1-1/2" NPT, 25PX2KXREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KXREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated



PX2KW

PX2KW Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Single / Served Wire Armored Cables

- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Compound barrier type flameproof seal
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- Integral protected deluge seal
- Disconnectable, union feature design
- -76˚F to 185˚F
- Globally marked, UL, cCSAus, IECEx & ATEX
- EMC tested
- As standard in nickel plated brass with NPT thread form

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class B
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ⓔx II 2G, II 1D, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da, Ⓔx II 3G Ex nR IIC Gc, Ⓔx IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I, Ex e I
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 2 Groups A, B, C and D; Class II, Div. 2 Groups F and G; Class III, Div. 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,15,31 CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
UL Certificate (20s16 - 90)	E201187, E161256C
Code of Protection	Class I Div 1,2, Groups A,B,C,D, Class II Div 1,2, Groups E,F,G
Compliance Standards	UL 2225, CSA C22.2 No 174, UK 514B, CSA C22.2 No 18, CSA C22.2 No 30
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Single / Served Wire Armor (SWA)***
Armor Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & Outer Sheath

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

Cable Gland Selection Table

Refer to illustration at the top of the page.

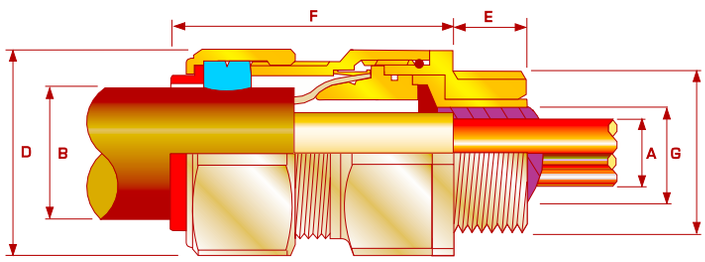
Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range †		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.24	0.52	0.03	0.05	1.20	1.32	2.44	20S16	PX2KW	1RA531	PVC06	8.47
20S	1/2"	3/4"	M20	0.78	11	0.46	0.46	0.37	0.63	0.03	0.05	1.20	1.32	2.44	20S	PX2KW	1RA531	PVC06	8.11
20	1/2"	3/4"	M20	0.78	11	0.50	0.51	0.49	0.82	0.03	0.05	1.20	1.32	2.48	20	PX2KW	1RA531	PVC06	8.47
25S	3/4"	1"	M25	0.80	21	0.69	0.70	0.55	0.87	0.05	0.06	1.48	1.62	2.74	25S	PX2KW	1RA532	PVC09	13.05
25	3/4"	1"	M25	0.80	21	0.69	0.70	0.72	1.03	0.05	0.06	1.48	1.62	2.74	25	PX2KW	1RA532	PVC09	13.05
32	1"	1 1/4"	M32	0.98	38	0.93	0.94	0.93	1.34	0.06	0.08	1.81	1.99	2.95	32	PX2KW	1RA533	PVC11	20.11
40	1 1/4"	1 1/2"	M40	1.01	59	1.18	1.19	1.10	1.59	0.06	0.08	2.17	2.38	2.95	40	PX2KW	1RA534	PVC15	28.22
50S	1 1/2"	2"	M50	1.03	89	1.44	1.45	1.39	1.84	0.08	0.10	2.36	2.60	3.03	50S	PX2KW	1RA535	PVC18	31.75
50	2"	2 1/2"	M50	1.06	89	1.61	1.63	1.59	2.09	0.08	0.10	2.76	3.03	3.03	50	PX2KW	1RA536	PVC21	41.98
63S	2"	2 1/2"	M63	1.06	115	1.89	1.91	1.80	2.34	0.08	0.10	2.95	3.25	3.14	63S	PX2KW	1RA536	PVC23	49.03
63	2 1/2"	3"	M63	1.57	115	2.11	2.13	2.15	2.59	0.08	0.10	3.15	3.47	3.16	63	PX2KW	1RA537	PVC25	49.74
75S	2 1/2"	3"	M75	1.57	140	2.36	2.37	2.32	2.84	0.08	0.10	3.54	3.90	3.42	75S	PX2KW	1RA537	PVC28	73.72
75	3"	3 1/2"	M75	1.63	140	2.53	2.53	2.63	3.09	0.10	0.12	3.94	4.33	3.48	75	PX2KW	1RA538	PVC30	89.60
90	3 1/2"	4"	M90	1.69	200	2.97	2.98	3.00	3.56	0.12	0.16	4.53	4.98	4.02	90	PX2KW	1RA539	PVC32	130.87
100	3 1/2"	4"	M100	1.73	200	3.37	3.38	3.39	3.99	0.12	0.16	5.00	5.50	4.49	100	PX2KW	1RA5310	LSF33	169.67

**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PX2KW1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPX2KW1RA035 = Brass 1-1/2" NPT, 25PX2KW1RA432 = Stainless Steel 3/4" NPT, 20PX2KW1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated

RAPID Ex



PX2KWREX

PX2KWREX Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Single / Served Wire Armored Cables

- RapidEx liquid pour sealing system
  - Enhances reliability, reduces risk
  - Reduces man hours
  - Reduces cost
- Metal-to-metal armor clamping
- Direct & remote installation
- Integral protected deluge seal
- Disconnectable, union feature design
- Controlled outer 'load retention' seal
- Unique OSTG prevents overtightening
- -76˚F to 185˚F
- Globally marked, cCSAus, IECEx & ATEX
- EMC tested
- As standard in nickel plated brass with NPT thread form

Supplied in pack with RapidEx resin

TECHNICAL DATA	
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Mechanical Classifications*	Impact = Level 8, Retention = Class D
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Electrical Classifications*	Category B (Category A when used with braid, tape or pliable wire armor cables)
ATEX Certificate	SIRA13ATEX1072X, SIRA13ATEX4078X
Code of Protection	Ex II 2G, II 1D, Ex d IIC, Ex e IIC Gb, Ex ta IIIC Da Ex II 3G Ex nR IIC Gc, Ex IM2 Ex d I Mb, Ex e I Mb
Compliance Standards	EN 60079-0,1,7,15,31
IECEx Certificate	IECEx SIR 13.0027X
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da, Ex d I Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 90)	2288626
CSAus Code of Protection***	Class I, Div. 1, 2 Groups A, B, C and D; Class II, Div. 1, 2 Groups E, F and G; Class III, Div. 1, 2; Type 4X: Oil Resistant II: Class I, Zone 1 AEx d IIC Gb, AEx e IIC Gb, Class I, Zone 2 AEx nR IIC Gc, Class I, Zone 20 AEx ta IIIC Da
cCSA Code of Protection***	Class I, Div. 2 Groups A, B, C and D; Class II, Div. 2 Groups F and G; Class III, Div. 2; Type 4X: Oil Resistant II: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da
Compliance Standards	CAN/CSA-C22.2 No 0,18,25,30,94,174, CAN/CSA-E60079-0,1,7,31 CAN/CSA-E61241-1-1 Part 1-1, ANSI/UL 514B Ed 5, ANSI/UL 50 Ed 11, ANSI/UL 2225 Ed 4, UL60079
EAC Certificate (Formerly GOST R, K & B)	ТС RU C-GB.ГБ05.В00138
CCOE / PESO (India) Certificate	P333688
NEPSI Certificate	GYJ13.1140X / GYJ13.1282X
INMETRO Approval	TÜV 12.2073X
RETIE Approval Number	03866
Marine Approvals	LRS: 01/00172 (E3) DNV: E-13848 ABS: 14-LD234401A-4-PDA
Ingress Protection Rating	IP66, IP67 & IP68**
Deluge Protection Compliance	DTS01 : 91
NEMA Rating	NEMA 4X**
Cable Gland Material	Electroless Nickel Plated Brass, Copper Free (<0.4%) Aluminum, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / RapidEx Resin Barrier
Cable Type	Single / Served Wire Armor (SWA)***
Armor Clamping	Detachable Resin Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP 'LRS' Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner RapidEx Barrier Seal & Outer Sheath

** Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444*
*** Refer to www.cmp-products.com for further information on Ingress Protection Ratings*
****Where the cable is permitted by code (NEC and/or CEC)*

Cable Gland Selection Table

Refer to illustration at the top of the page.

Cable Gland Size	Available Entry Threads "C" (Alternative Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armor Range †		Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Combined Ordering Reference (*Nickel Plated Brass NPT)			Shroud	Cable Gland Weight (Ozs)
	NPT	NPT (Option)	Metric (Option)	Thread Length (NPT) "E"	Max	Max	Max	Min	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20s16	1/2"	3/4"	M20	0.78	11	0.461	0.46	0.24	0.52	0.03	0.05	1.20	1.32	2.44	20S16	PX2KWREX	1EX531	PVC06	8.47
20S	1/2"	3/4"	M20	0.78	11	0.461	0.46	0.37	0.63	0.03	0.05	1.20	1.32	2.44	20S	PX2KWREX	1EX531	PVC06	8.11
20	1/2"	3/4"	M20	0.78	11	0.496	0.51	0.49	0.82	0.03	0.05	1.20	1.32	2.48	20	PX2KWREX	1EX531	PVC06	8.47
25S	3/4"	1"	M25	0.80	21	0.689	0.70	0.55	0.87	0.05	0.06	1.48	1.62	2.74	25S	PX2KWREX	1EX532	PVC09	13.05
25	3/4"	1"	M25	0.80	21	0.689	0.70	0.72	1.03	0.05	0.06	1.48	1.62	2.74	25	PX2KWREX	1EX532	PVC09	13.05
32	1"	1 1/4"	M32	0.98	38	0.929	0.94	0.93	1.34	0.06	0.08	1.81	1.99	2.95	32	PX2KWREX	1EX533	PVC11	20.11
40	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.19	1.10	1.59	0.06	0.08	2.17	2.38	2.95	40	PX2KWREX	1EX534	PVC15	28.22
50S	1 1/2"	2"	M50	1.03	89	1.441	1.45	1.39	1.84	0.08	0.10	2.36	2.60	3.03	50S	PX2KWREX	1EX535	PVC18	31.75
50	2"	2 1/2"	M50	1.06	89	1.614	1.63	1.59	2.09	0.08	0.10	2.76	3.03	3.03	50	PX2KWREX	1EX536	PVC21	41.98
63S	2"	2 1/2"	M63	1.06	115	1.886	1.91	1.80	2.34	0.08	0.10	2.95	3.25	3.14	63S	PX2KWREX	1EX536	PVC23	49.03
63	2 1/2"	3"	M63	1.57	115	2.114	2.13	2.15	2.59	0.08	0.10	3.15	3.47	3.16	63	PX2KWREX	1EX537	PVC25	49.74
75S	2 1/2"	3"	M75	1.57	140	2.358	2.37	2.32	2.84	0.08	0.10	3.54	3.90	3.42	75S	PX2KWREX	1EX537	PVC28	73.72
75	3"	3 1/2"	M75	1.63	140	2.528	2.53	2.63	3.09	0.10	0.12	3.94	4.33	3.48	75	PX2KWREX	1EX538	PVC30	89.60
90	3 1/2"	4"	M90	1.69	200	2.965	2.98	3.00	3.56	0.12	0.16	4.53	4.98	4.02	90	PX2KWREX	1EX539	PVC32	130.87
100	3 1/2"	4"	M100	1.73	200	3.370	3.38	3.39	3.99	0.12	0.16	5.00	5.50	4.49	100	PX2KWREX	1EX5310	LSF33	169.67

**Note : For material options please change the suffix in the Ordering Reference ; Brass (no suffix required), Nickel Plated Brass "5" (as standard), 316 Grade Stainless Steel "4", Copper Free Aluminum "1"*
For NPT options please change the following digits after the material suffix ; 1/2" = 31, 3/4" = 32, 1" = 33, 1 1/4" = 34, 1 1/2" = 35, 2" = 36, 2 1/2" = 37, 3" = 38, 3 1/2" = 39, 4" = 310 (Brass requires prefix "0")

Examples: 32PX2KWREX1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPX2KWREX1RA035 = Brass 1-1/2" NPT, 25PX2KWREX1RA432 = Stainless Steel 3/4" NPT, 20PX2KWREX1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated

Ordering Accessories

To determine ordering reference please select from the tables below in the following order:

- Product Type
- Form of protection
- Thread Form
- Thread Size
- Thread Form (if applicable)
- Thread Size (if applicable)
- Material

When selecting and installing certified electrical equipment and components in potentially Explosive Atmospheres, it is the users responsibility to ensure that the local industry codes of practice are observed and followed, for example IEC 60079-14.

Below Example:

737DTR3T25

737 Adaptor - Globally Certified - 1/2" (M) x 3/4" (F) - Nickel Plated Brass

Product Type	Form of Protection	Option	Male Thread Form	Male Thread Size	Female Thread Form	Female Thread Size	Material
From Product Page	From Table A Below	From Table B Below	From Table C Below	From Table D Below	From Table C Below	From Table D Below	From Table E Below
737	D	B	M	3	M	2	5

Table A

Code	Form of Protection
D	Group II Globally Certified Ex d / AEx d & Ex e / AEx e
E	Group II Increased Safety Ex e / AEx e
G	General Purpose
M	Group I Mining

Table B

Code	Options
A	Type A e.g. externally secured - Non tamper-proof Ex d Stopper Plug
B	Type B e.g. internally secured - tamper-proof Ex d Stopper Plug
R	Optional equipment interface 'O' ring seal

Table C

Code	Thread Form
M	Metric
N	NPSM
T	NPT
P	PG
B	BSPP
I	E.T. (Imperial)
S	BSPT

Other variations available on request

Nominal dimensions shown in this catalog may vary due to material availability. All dimensions shown are in inches unless otherwise stated. Within the parameters of its Explosive Atmosphere certification, CMP Products reserves the right to change the design and/or dimensions of any of the products illustrated without notice. For further information please contact CMP Products.

Table D

Code	Thread Size						
	Metric "M"	NPSM "N"	NPT "T"	PG "P"	BSPP "B"	Imperial "I"	BSPT "S"
1A	-	-	-	7	-	-	-
1	16	1/2"	1/2"	9	1/2"	5/8"	1/2"
2	20	3/4"	3/4"	11	3/4"	3/4"	3/4"
3	25	1"	1"	13.5	1"	1"	1"
4	32	1-1/4"	1-1/4"	16	1-1/4"	1-1/4"	1-1/4"
5	40	1-1/2"	1-1/2"	21	1-1/2"	1-1/2"	1-1/2"
6	50	2"	2"	29	2"	2"	2"
7	63	2-1/2"	2-1/2"	36	2-1/2"	2-1/2"	2-1/2"
8	75	3"	3"	42	3"	3"	3"
9	90	3 1/2"	3 1/2"	48	3-1/2"	3-1/2"	3 1/2"
10	100	4"	4"	-	4"	4"	4"

Other thread sizes available upon request

Table E

Code	Material
1	Aluminum
2	Nylon
4	Stainless Steel 316
5	Nickel Plated Brass

737

Adaptors & Reducers

- Used for thread conversion
- Virtually any thread type can be supplied
- Wide range of thread types & sizes
- General purpose / industrial version available
- Equipment interface 'O' ring seal available
- -76˚F to 392˚F (metallic versions)
- Globally marked, IECEx, ATEX, UL & cCSAus

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA13ATEX1265X
Code of Protection	Ex II 2G Ex d IIC Gb, Ex e IIC Gb, II 1D Ex ta IIIC Da Ex IM2 Ex d I Mb, Ex e I Mb (II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da only on Nylon version)
IECEx Certificate	IECEx SIR13.0094X
Code of Protection	Ex d I Mb, Ex e I Mb, Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da (Ex e IIC Gb , Ex ta IIIC Da only on nylon version)
cCSAus Certificate	1055233
Code of Protection	Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; Class II groups E, F and G; Class III, Ex de II, Class I, Zone 1, AEx de II; (Not available in Nylon)
UL Certificate	E214221 (Reducers with NPT or Metric Threads only)
Code of Protection	Class I Groups A,B,C,D; Class II Groups E,F,G; Class III

Example Ordering Reference	Male Thread Size	Female Thread Size
737DM2M35	M20 X 1.5	M25 X 1.5
737DM3M45	M25 X 1.5	M32 X 1.5
737DM3M25	M25 X 1.5	M20 X 1.5
737DM4M35	M32 X 1.5	M25 X 1.5
737DT1M25	NPT 1/2"	M20 X 1.5
737DT2M35	NPT 3/4"	M25 X 1.5
737DM2T15	M20 X 1.5	1/2"
737DT1T25	1/2"	3/4"

All dimensions shown are in inches unless otherwise stated
Alternative threads available

787

90° Adaptors

- Protects cables from excessive bending stress
- General purpose / industrial version available
- Supplied with male or female threads
- Can be supplied with thread conversion
- Equipment interface 'O' ring seal available
- -76˚F to 392˚F
- Globally marked, IECEx, ATEX & cCSAus

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA14ATEX1033U
Code of Protection	Ex II 2 G Ex d IIC Gb,Ex e IIC Gb, II 1 D Ex ta IIIC Da Ex IM2 Ex d I Mb, Ex e I Mb
IECEx Certificate	IECEx SIR14.0014U
Code of Protection	Ex d I Mb/ Ex e I Mb/ Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
cCSAus Certificate	1055233
Code of Protection	Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; Ex de II, Class I, Zone 1, AEx de II;

Example Ordering Reference	Male Thread Size	Female Thread Size
787DM2M25	M20 X 1.5	M20 X 1.5
787DM3M35	M25 X 1.5	M25 X 1.5
787DM4M45	M32 X 1.5	M32 X 1.5
787DM5M55	M40 X 1.5	M40 X 1.5
787DT1T15	1/2"	1/2"
787DT2T25	3/4"	3/4"
787DT1M25	1/2"	M20 X 1.5
787DT2M35	3/4"	M25 X 1.5

All dimensions shown are in inches unless otherwise stated
Alternative threads available

777

Insulated Adaptors

- Isolates metallic Cable Glands from equipment
- Essential in areas of high electromagnetic noise
- Particularly relevant in power plants
- General purpose / industrial version available
- Can be supplied with thread conversion
- -76˚F to 266˚F
- Globally marked, IECEx, ATEX & cCSAus

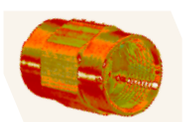
Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA10ATEX1057U
Code of Protection	Ex II 2 GD Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
IECEx Certificate	IECEx SIR 10.0027U
Code of Protection	Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
cCSAus Certificate	1055233
Code of Protection	Class I, Groups A, B, C and D; IP66, 67, 68; Enclosure Type 4X; DIP A; Ex de II, Class I, Zone 1, AEx de II;

Example Ordering Reference	NPT Male Thread Size	NPT Female Thread Size
777DAT1T15	1/2"	1/2"
777DAT2T25	3/4"	3/4"
777DAT3T35	1"	1"
777DAT4T45	1 1/4"	1 1/4"
777DAT5T55	1 1/2"	1 1/2"
777DAT6T65	2"	2"
777DAT7T75	2 1/2"	2 1/2"
777DAT8T85	3"	3"

All dimensions shown are in inches unless otherwise stated
Alternative threads available

797

Male-Male & Female-Female Adaptors



- Designed to convert existing threads
- General purpose / industrial version available
- Supplied with male or female threads
- Can be supplied with thread conversion
- -76˚F to 392˚F
- Globally marked, IECEx, ATEX & cCSAus

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA13ATEX1265X
Code of Protection	Ex II 2 G Ex d IIC Gb,Ex e IIC Gb, II 1 D Ex ta IIIC Da Ex IM2 Ex d I Mb, Ex e I Mb
IECEx Certificate	IECEx SIR13.0094X
Code of Protection	Ex d I Mb/ Ex e I Mb/ Ex d IIC Gb / Ex e IIC Gb / Ex ta IIIC Da
cCSAus Certificate	1055233
Code of Protection	Ex de II; Class I, Groups A, B, C and D; Class I, Zone 1, AEx de II; IP66, 67, and 68, Enclosure Type 4X.

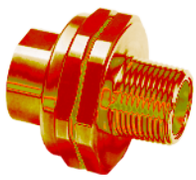
Example Ordering Reference	Male Forward Thread	Male Rear Thread
797DM1MM1M5	M16 X 1.5	M16 X 1.5
797DM2MM2M5	M20 X 1.5	M20 X 15
797DM3MM3M5	M25 X 1.5	M25 X 1.5
797DM4MM4M5	M32 X 1.5	M32 X 1.5
797DT1MT1M5	1/2"	1/2"
797DT2MT2M5	3/4"	3/4"
797DT3MT3M5	1"	1"
797DM2MT1M5	M20 X 1.5	1/2"
797DM2MT2M5	M20 X 1.5	3/4"
797DM3MT2M5	M25 X 1.5	3/4"

All dimensions shown are in inches unless otherwise stated
Alternative threads available

780

In-line Unions

- Allows the connection of conduit or glands to equipment
- Suitable for rigid or flexible conduit
- Eliminates the need to rotate the conduit
- General Purpose / industrial version available
- Equipment interface 'O' ring seal available
- -76°F to 392°F
- Globally marked, IECEx, ATEX & cCSAus



Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
IECEx Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X, Ex d I Mb, Ex e I Mb
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II

Example Ordering Reference	First Thread Size	Second Thread Size
PX780REXDM2M25	M20 X 1.5	M20 X 1.5
PX780REXDM3M35	M25 X 1.5	M25 X 1.5
PX780REXDM4M45	M32 X 1.5	M32 X 1.5
PX780REXDM5M55	M40 X 1.5	M40 X 1.5
PX780REXDT1T15	1/2"	1/2"
PX780REXDT2T25	3/4"	3/4"
PX780REXDT1M25	1/2"	M20 X 1.5
PX780REXDT2M35	3/4"	M25 X 1.5

All dimensions shown are in inches unless otherwise stated
Alternative threads available

PX780REX

RAPID Ex

In-line Barrier Unions

- Allows the connection of conduit or glands to equipment
- Suitable for rigid or flexible conduit
- Eliminates the need to rotate the conduit
- General Purpose / industrial version available
- Equipment interface 'O' ring seal available
- -76°F to 185°F
- Globally marked, IECEx, ATEX & cCSAus

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
IECEx Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X, Ex d I Mb, Ex e I Mb
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II

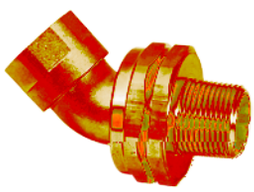
Example Ordering Reference	First Thread Size	Second Thread Size
PX780REXDM2M25	M20 X 1.5	M20 X 1.5
PX780REXDM3M35	M25 X 1.5	M25 X 1.5
PX780REXDM4M45	M32 X 1.5	M32 X 1.5
PX780REXDM5M55	M40 X 1.5	M40 X 1.5
PX780REXDT1T15	1/2"	1/2"
PX780REXDT2T25	3/4"	3/4"
PX780REXDT1M25	1/2"	M20 X 1.5
PX780REXDT2M35	3/4"	M25 X 1.5

All dimensions shown are in inches unless otherwise stated
Alternative threads available

784

45° Swivel Unions

- Allows the connection of conduit or glands to equipment
- Male / male & female / female threads available
- Suitable for rigid or flexible conduit
- Eliminates the need to rotate the conduit
- General Purpose / industrial version available
- RapidEx barrier version available
- Equipment interface 'O' ring seal available
- -76°F to 392°F
- Globally marked, IECEx, ATEX & cCSAus



Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
IECEx Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II

Example Ordering Reference	Barrier Example Ordering Reference	First Thread	Second Thread
784DM2M25	PX784DM2M25	M20 X 1.5	M20 X 1.5
784DM3M35	PX784DM3M35	M25 X 1.5	M25 X 1.5
784DM4M45	PX784DM4M45	M32 X 1.5	M32 X 1.5
784DM5M55	PX784DM5M55	M40 X 1.5	M40 X 1.5
784DM6M65	PX784DM6M65	M50 X 1.5	M50 X 1.5
784DM7M75	PX784DM7M75	M63 X 1.5	M63 X 1.5
784DT1M25	PX784DT1M25	1/2"	M20 X 1.5
784DT2M35	PX787DT2M35	3/4"	M25 X 1.5
784DT1T15	PX787DT1T15	1/2"	1/2"
784DT2T25	PX787DT2T25	3/4"	3/4"

All dimensions shown are in inches unless otherwise stated
Alternative threads available

789

90° Swivel Unions

- Allows the connection of conduit or glands to equipment
- Male / male & female / female threads available
- Suitable for rigid or flexible conduit
- Eliminates the need to rotate the conduit
- General Purpose / industrial version available
- RapidEx barrier version available
- Equipment interface 'O' ring seal available
- -76°F to 392°F
- Globally marked, IECEx, ATEX & cCSAus

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
ATEX Certification	SIRA10ATEX1306U
Code of Protection	Ⓔx II 2 GD Ex d IIC Gb, Ex e IIC Gb, Ex ta IIIC Da IP6X Ⓔx IM2 Ex d I Mb / Ex e I Mb
IECEx Certificate	IECEx SIR 10.0148U
Code of Protection	Ex d IIC Gb, Ex e IIC Gb, Ex d I Mb, Ex e I Mb, Ex ta IIIC Da IP6X
cCSAus Certificate	1055233
Code of Protection	Class I, Div 1 & 2, Groups A,B,C,D ; Enclosure type 4X : Class I, Zone 1, AEx de II ; Ex de II

Example Ordering Reference	Barrier Example Ordering Reference	First Thread	Second Thread
789DM2M25	PX789DM2M25	M20 X 1.5	M20 X 1.5
789DM3M35	PX789DM3M35	M25 X 1.5	M25 X 1.5
789DM4M45	PX789DM4M45	M32 X 1.5	M32 X 1.5
789DM5M55	PX789DM5M55	M40 X 1.5	M40 X 1.5
789DM6M65	PX789DM6M65	M50 X 1.5	M50 X 1.5
789DM7M75	PX789DM7M75	M63 X 1.5	M63 X 1.5
789DT1M25	PX789DT1M25	1/2"	M20 X 1.5
787DT2M35	PX787DT2M35	3/4"	M25 X 1.5
787DT1T15	PX787DT1T15	1/2"	1/2"
787DT2T25	PX787DT2T25	3/4"	3/4"

All dimensions shown are in inches unless otherwise stated
Alternative threads available

747 757 767

Stopper Plugs

- Available in dome, hexagon & recessed heads
- Provides means of blanking unused cable entries
- Temporary or permanent
- Tamper-proof version available
- General purpose / industrial version available
- Nylon Ex e only version available (-4˚F to +140˚F)
- -76˚C to 392˚F (metallic versions)
- Globally marked, IECEx, ATEX, cCSAus & UL
- NPT threads available

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA13ATEX1265X
Code of Protection	Ⓔx II 2G Ex d IIC Gb, Ex e IIC Gb, II 1D Ex ta IIIC Da Ⓔx IM2 Ex d I Mb, Ex e I Mb (II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da only Nylon)
Compliance Standards	EN 60079-0,1,7, 31
IECEx Certificate	IECEx SIR 13.0094X
Code of Protection	Ex d I Mb, Ex e I Mb; Ex d IIC Gb,Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1, 7, 31



747 Thread Size	747 - Recessed	757 Thread Size	757 - Hexagon	767 Thread Size	767 - Dome
1/2″	747DAT15	1/2″	757DT15	1/2″	767DT15
3/4″	747DAT25	3/4″	757DT25	3/4″	767DT25
1″	747DAT35	1″	757DT35	1″	767DT35
1-1/4″	747DAT45	1-1/4″	757DT45	1-1/4″	767DT45
1-1/2″	747DAT55	1-1/2″	757DT55	1-1/2″	767DT55
M16	747DAM15	M16	757DM15	M16	767DM15
M20	747DAM25	M20	757DM25	M20	767DM25
M25	747DAM35	M25	757DM35	M25	767DM35
M32	747DAM45	M32	757DM45	M32	767DM45
M40	747DAM55	M40	757DM55	M40	767DM55

All dimensions shown are in inches unless otherwise stated
Alternative threads available

781

Breather / Drains

- 781E for Ex e use
- 781D for Ex d use
- Drains equipment susceptible to moisture collection
- Enables equipment to breathe
- General purpose / industrial version available
- Nylon Ex e only version available (-4˚F to +140˚F)
- -76˚C to 392˚F (metallic versions)
- Globally marked, IECEx, ATEX & cCSAus
- NPT threads available

Design Specification	BS 6121:Part 1:1989, IEC 62444, EN 62444
Enclosure Protection	IK10 to IEC 62262 (20 joules) Brass & Stainless Steel Only
ATEX Certificate	SIRA 10 ATEX 1307U
Code of Protection	781D: Ⓔx II 2G Ex d IIC Gb, II 1D Ex ta IIIC Da 781E: Ⓔx II 2G Ex e IIC Gb, II 1D Ex ta IIIC Da
Compliance Standards	EN 60079-0,1,7,31
IECEx Certificate	IECEx SIR 10.0149U
Code of Protection	781D: Ex d IIC Gb, Ex ta IIIC Da 781E: Ex e IIC Gb, Ex ta IIIC Da
Compliance Standards	IEC 60079-0,1,7,31

Ordering Reference 781D	Ordering Reference 781E	Thread Size
781DT15	781ET15	1/2″
781DT25	781ET25	3/4″
781DM15	781EM15	M20
781DM25	781EM25	M25
781DT24 (Stainless Steel)	781ET24 (Stainless Steel)	1/2″
781DT34 (Stainless Steel)	781ET34 (Stainless Steel)	3/4″

All dimensions shown are in inches unless otherwise stated
Alternative threads available

Grounding Locknuts

CMP Products' Grounding locknuts for use with cable glands, conduit fittings, tubing (EMT) fittings and conduit as a means of reliably and safely bonding the locknut (and gland) to the enclosure or equipment.

Providing electrical continuity and tested to the requirements of CEC and NEC wiring codes CMP's grounding locknuts reduce the chance of equipment failure, downtime, power interruptions and eliminate potential safety issues.

Grounding locknuts available with either a grounding terminal or lay-in lug and are available in stainless steel (GRLN4), aluminum (GRLN1) and nickel plated brass (GRLN5), e.g 20GRLN4 for M20 Stainless Steel Grounding Locknut.

NPT grounding locknuts are supplied as standard in aluminum and Metric in nickel plated brass.

Standard - Small Lay-in Lug - 14-4 AWG
Optional - Medium Lay-in Lug - 14-2/0 AWG
Optional - Large Lay-in Lug - 6-250 AWG

AWG - American wire gauge

Grounding TerminalN

P

			D		i		a

Nickel Plated Brass - Recommended in securing brass Cable Glands and Accessories to a gland plate or into equipment. In metric thread form CMP offers brass locknuts in a choice of standard duty and heavy duty options for sizes up to and including M32. The part numbers are distinguished by an additional letter H, e.g. 20LN = standard duty, and 20HLN = heavy duty. From size M40 all brass metric locknuts are considered to be heavy duty.

Aluminum - Recommended when installing aluminum Cable Glands to prevent the galvanic corrosion which can occur when dissimilar metals are coupled together.

Ordering references shown in Nickel Plated Brass

Ordering Reference (Metric)	Reference Diameter "A"	Minimum Thickness	External Diameter "B"
16SW4	M16	0.15	1.00
20SW4	M20	0.15	1.28
25SW4	M25	0.15	1.57
32SW4	M32	0.15	1.71
40SW4	M40	0.15	2.54
50SW4	M50	0.15	3.15
63SW4	M63	0.15	3.94
75SW4	M75	0.16	4.41
90SW4	M90	0.16	5.31
100SW4	M100	0.16	5.71

Ordering Reference (NPT)	Reference Diameter "A"	Minimum Thickness	External Diameter "B"
050NPTSW4	1/2" NPT	0.15	1.28
075NPTSW4	3/4" NPT	0.15	1.57
100NPTSW4	1" NPT	0.15	1.71
125NPTSW4	1 1/4" NPT	0.15	2.54
150NPTSW4	1 1/2" NPT	0.15	3.15
200NPTSW4	2" NPT	0.15	3.94
250NPTSW4	2 1/2" NPT	0.15	4.41
300NPTSW4	3" NPT	0.16	5.31
350NPTSW4	3 1/2" NPT	0.16	5.71
400NPTSW4	4" NPT	0.16	7.28

Dimensions shown are in inches unless otherwise stated

Serrated Washers

Available in Stainless Steel, these 'shake-proof' Serrated Washers can be fitted internally to the equipment before a locknut and act as an anti-vibration device to prevent the Cable Gland or accessory from inadvertently loosening in service.

In typical installations that are not subject to vibration, a serrated washer may not be required but consideration should be given to the following statement:

"Self-loosening should be avoided according to clause 6.4.1 of IEC 60079-14, this can occur through relative motion over time even without vibration, due to differential thermal effects caused as a result of either differences in temperature or differences in clamped materials."

Ordering references shown in Stainless Steel

Ordering Reference (Metric)	Reference Diameter "A"	Minimum Thickness	Nominal Diameter "C"	Hole Size "D"	Nominal Length "E"	Nominal Centres "F"
16ET5	M16	0.05	1.00	M6	1.98	1.19
20ET5	M20	0.05	1.07	M6	2.06	1.30
25ET5	M25	0.06	1.38	M6	2.33	1.40
32ET5	M32	0.06	1.78	M12	3.03	1.70
40ET5	M40	0.06	2.11	M13	3.49	1.79
50ET5	M50	0.06	2.57	M13	4.38	2.29
63ET5	M63	0.06	3.25	M13	5.07	2.63
75ET5	M75	0.06	3.76	M13	5.57	2.87
90ET5	M90	0.08	4.50	M13	6.34	3.35
100ET5	M100	0.08	4.92	M13	7.67	4.65

Ordering Reference (NPT)	Reference Diameter "A"	Minimum Thickness	Nominal Diameter "C"	Hole Size "D"	Nominal Length "E"	Nominal Centres "F"
050NPTET5	1/2" NPT	0.05	1.07	M6	2.08	1.30
075NPTET5	3/4" NPT	0.06	1.38	M6	2.33	1.40
100NPTET5	1" NPT	0.06	1.78	M12	3.03	1.70
125NPTET5	1 1/4" NPT	0.06	2.11	M13	3.49	1.79
150NPTET5	1 1/2" NPT	0.06	2.57	M13	4.38	2.29
200NPTET5	2" NPT	0.06	3.25	M13	5.07	2.63
250NPTET5	2 1/2" NPT	0.06	3.76	M13	5.57	2.87
300NPTET5	3" NPT	0.08	4.49	M13	6.34	3.35
350NPTET5	3 1/2" NPT	0.08	4.92	M13	7.67	4.06
400NPTET5	4" NPT	0.08	5.53	M13	8.15	4.64

Dimensions shown are in inches unless otherwise stated

Earth Tags

CMP slip on Earth Tags, installed between the Cable Gland and equipment, provide an earth bond connection. Earth Tags have been independently short circuit tested to verify their suitability under specified service conditions. A copy of the test report is available upon request and is an important factor when selecting earth tags from any manufacturer, as without this the safety of installations may be compromised.

Stainless steel, aluminum and nickel plated brass earth tags are available. Please refer to ordering reference numbers, e.g 20ET4 for M20 Stainless Steel Earth Tag, 050NPTET4 for 1/2" NPT Stainless Steel Earth Tag.

Ordering references shown in Nickel Plated Brass

Metric	NPT	Short Circuit Ratings Symmetrical Fault Current (kA) for 1 second
20	3/4"	3.06
25	1"	4.06
32	1 1/4"	5.40
40	1 1/2"	7.20
50	2"	10.40
63	2 1/2"	10.40
75	3"	10.40

NPT Cable Gland Wrenches

When installing Cable Glands and accessories it is important that the correct tools are used to carry out the installation. This includes the use of the correct Cable Gland Wrench specifically designed to fit each individual product to minimise the potential for accidental injury caused by slippage, as can be the case with adjustable Wrenchs or wrenches.

Metric wrenches available upon request

SIZE		A**		T3CDS				PXSS2K			C2KX			PX**			TC	
		Wrench 1	Wrench 2	Wrench 1	Wrench 2	Wrench 3	Wrench 4	Wrench 1	Wrench 2	Wrench 3	Wrench 1	Wrench 2	Wrench 3	Wrench 1	Wrench 2	Wrench 3	Wrench 1	Wrench 2
20s16	1/2"	SP2	SP1	SP2	SP2	SP2	SP3	SP4	SP3	-	SP4	SP4	-	SP4	SP4	-	-	-
	3/4"	SP4	SP1	SP6	SP2	SP2	-	SP4	SP3	-	SP5	SP4	SP4	SP4	SP4	-	-	-
20s	1/2"	SP2	SP1	SP2	SP2	SP3	-	SP4	SP3	-	SP4	SP4	-	SP4	SP4	-	SP4	SP4
	3/4"	SP6	SP1	SP6	SP2	SP2	-	SP4	SP3	-	SP5	SP4	SP2	SP4	SP4	-	SP7	SP4
20	1/2"	SP3	SP2	SP4	SP4	-	-	SP4	SP3	SP3	SP4	SP4	-	SP4	SP4	-	SP4	SP4
	3/4"	SP4	SP2	SP4	SP4	-	-	SP4	SP3	SP3	SP4	SP4	-	SP4	SP4	-	SP7	SP4
25 & 25s	3/4"	SP9	SP9	SP7	SP7	-	-	SP9	SP9	-	SP7	SP7	-	SP7	SP7	-	SP7	SP7
	1"	SP9	SP9	SP7	SP7	-	-	SP9	SP9	-	SP7	SP7	-	-	-	-	SP11	SP11
32	1"	SP12	SP6	SP11	SP11	-	-	SP12	SP12	-	SP11	SP11	-	SP12	SP12	-	SP11	SP11
	1-1/4"	SP12	SP8	SP11	SP11	-	-	SP12	SP12	-	SP11	SP11	-	SP12	SP12	-	SP16	SP12
40	1-1/4"	SP13	SP13	SP14	SP14	-	-	SP13	SP13	-	SP14	SP14	-	SP14	SP14	-	SP16	SP16
	1-1/2"	SP13	SP13	SP14	SP14	-	-	SP13	SP13	-	SP14	SP14	-	SP14	SP14	-	SP18	SP16
50s	1-1/2"	SP14	SP14	SP18	SP16	SP18	-	SP14	SP14	-	SP18	SP18	-	SP18	SP18	-	SP18	SP18
	2"	SP14	SP14	SP19	SP16	SP18	SP18	SP19	SP14	SP14	SP20	SP18	SP18	SP19	SP18	SP18	SP20	SP18
50	2"	SP19	SP18	SP20	SP18	SP20	-	SP20	SP18	SP18	SP20	SP20	-	SP20	SP20	-	SP20	SP18
	2-1/2"	SP22	SP18	SP22	SP20	SP20	SP18											

SIZE	TMC / TMCX		SIZE	TMC2		TMC2X			SIZE	TMC2		TMC2X		
	Wrench 1	Wrench 2		Wrench 1	Wrench 2	Wrench 1	Wrench 2	Wrench 3		Wrench 1	Wrench 2	Wrench 1	Wrench 2	Wrench 3
05S	SP4	SP4	20S-1/2"	SP04	SP04	SP04	SP04		50S-2"	SP21	SP20	SP18	SP20	SP21
050	SP9	SP9	20S-3/4"	SP04	SP07	SP04	SP04		50-1-1/2"	SP21	SP21	SP19	SP21	SP21
075	SP8	SP8	20-1/2"	SP07	SP07	SP04	SP07	SP07	63S-2"	SP21	SP21	SP19	SP21	SP21
100	SP13	SP13	20-3/4"	SP07	SP07	SP04	SP07	SP07	63S-2-1/2"	SP24	SP21	SP19	SP21	SP24
125	SP14	SP14	25-3/4"	SP11	SP11	SP07	SP11	SP11	63-2"	SP24	SP24	SP21	SP24	SP24
150	SP18	SP18	25-1"	SP11	SP11	SP01	SP11	SP11	75-2-1/2"	SP24	SP24	SP22	SP24	SP24
20S	SP20	SP20	32-1"	SP16	SP16	SP16	SP16	SP40	75-3"	SP24	SP26	SP22	SP24	SP26
200	SP21	SP21	32-1-1/4"	SP16	SP16	SP16	SP16	SP40	90-3"	SP26	SP26	SP26	SP26	SP34
25S	SP22	SP22	40S-1-1'/4"	SP18	SP18	SP13	SP18	SP18	90-3-1/2"	SP26	SP36	SP26	SP26	SP34
250	SP23	SP23	40S-1-1/2"	SP18	SP18	SP13	SP18	SP18	100-3-1/2"	SP36	SP36	SP35	SP36	SP36
300	SP26	SP26	40-1-1/4"	SP19	SP19	SP14	SP19	SP19	100-4"	SP30	SP36	SP35	SP36	SP36
350	SP30	SP30	40-1-1/2"	SP19	SP19	SP14	SP19	SP19	115-4"	SP30	SP30	SP28	SP30	SP30
400	SP30	SP30	50S-1-1/2"	SP20	SP20	SP18	SP20	SP20						

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