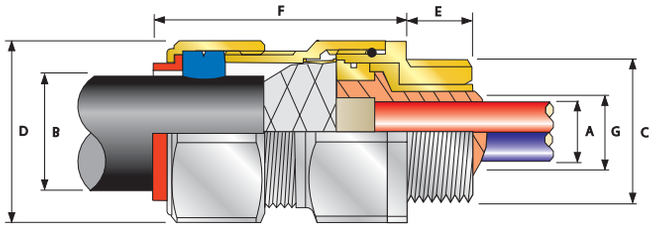

PX2K

Ex e Exd ExnR Exta

PX2K Globally Approved, Hazardous (Classified) Location Barrier Cable Gland

For all types of Armoured cables

- Metal-to-metal armour 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 / -60°C to 85°C
- Class I Zone 1, 21 and Zone 2, 22 Class I Division 1 & 2 ABCD
- Globally marked, UL, cCSAus, IECEx & ATEX
- EMC tested
- 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 Armour (STA, DSTA) and Aluminium Strip Armour (ASA) but is also suitable for Single Wire Armour (SWA), Aluminium Wire Armour (AWA) and Pliable Wire Armour (PWA) if the range is outside that of the Stepped Cone (W).*

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

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

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 armour 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 Mb, Ex e I Mb
Compliance Standards	IEC 60079-0,1,7,15,31
cCSAus Certificate (20s16 - 100)	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-E60079-0,1,7,15,31 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 - 100)	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, UL 514B, CSA C22.2 No 18, CSA C22.2 No 30
EAC Certificate (Formerly GOST R, K & B)	TC RU C-GB.ГБ05.B00138
UkrSEPRO	UA.TR.047.C.0644-15
KCS Certificate	13-GA4B0-0748X, 13-GA4B0-0749X, 13-GA4B0-0750X
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, BV: 43180/A1
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%) Aluminium, Stainless Steel
Seal Material	CMP SOLO LSF Halogen Free Thermoset Elastomer / Epoxy Barrier Compound
Cable Type	Single / Served Wire Armour (SWA), Aluminium Wire Armour (AWA), Wire Braid Armour (e.g. SWB), Screened Flexible (EMC) Wire Braid (e.g. CY / SY), Pliable Wire Armour (PWA), Steel Tape Armour (STA), Strip Armour (e.g. ASA)***
Armour 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 page 7 or 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.

Dimensions listed below are for NPT cable glands only
Dimensions for alternative threads may vary, please see supplementary technical data sheet

Cable Gland Size	Available Entry Threads "C" (Alternate Metric Thread Lengths Available)				Number of Cores	Diameter Over Conductors "A"	Cable Bedding Diameter "G"	Overall Cable Diameter "B"		Armour 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)	Thread Length (NPT) "E"													Size	Type	Ordering Suffix		
					Max	Max	Max	Min	Max	Min	Max	Min	Max	Max	Max							
20s16	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.240	0.516	0.012	0.040	0.031	0.049	1.201	1.321	2.441	20S16	PX2K	1RA531	PVC06	8.466
20S	1/2"	3/4"	M20	0.78	11	0.461	0.461	0.374	0.626	0.012	0.040	0.031	0.049	1.201	1.321	2.441	20S	PX2K	1RA531	PVC06	8.113
20	1/2"	3/4"	M20	0.78	11	0.496	0.508	0.492	0.823	0.016	0.040	0.031	0.049	1.201	1.321	2.480	20	PX2K	1RA531	PVC06	8.466
25S	3/4"	1"	M25	0.80	21	0.689	0.703	0.551	0.866	0.016	0.048	0.049	0.063	1.476	1.624	2.736	25S	PX2K	1RA532	PVC09	13.051
25	3/4"	1"	M25	0.80	21	0.689	0.703	0.717	1.031	0.016	0.048	0.049	0.063	1.476	1.624	2.736	25	PX2K	1RA532	PVC09	13.051
32	1"	1 1/4"	M32	0.98	38	0.929	0.941	0.933	1.335	0.016	0.048	0.063	0.079	1.811	1.992	2.953	32	PX2K	1RA533	PVC11	20.106
40	1 1/4"	1 1/2"	M40	1.01	59	1.181	1.193	1.098	1.591	0.016	0.062	0.063	0.079	2.165	2.382	2.953	40	PX2K	1RA534	PVC15	28.219
50S	1 1/2"	2"	M50	1.03	89	1.441	1.453	1.386	1.839	0.016	0.062	0.079	0.098	2.362	2.598	3.031	50S	PX2K	1RA535	PVC18	31.747
50	2"	2 1/2"	M50	1.06	89	1.614	1.626	1.591	2.087	0.024	0.062	0.079	0.098	2.756	3.031	3.031	50	PX2K	1RA536	PVC21	41.976
63S	2"	2 1/2"	M63	1.06	115	1.886	1.906	1.795	2.339	0.024	0.062	0.079	0.098	2.953	3.248	3.138	63S	PX2K	1RA536	PVC23	49.031
63	2 1/2"	3"	M63	1.57	115	2.114	2.126	2.150	2.591	0.024	0.062	0.079	0.098	3.150	3.465	3.161	63	PX2K	1RA537	PVC25	49.736
75S	2 1/2"	3"	M75	1.57	140	2.358	2.370	2.323	2.835	0.024	0.062	0.079	0.098	3.543	3.898	3.417	75S	PX2K	1RA537	PVC28	73.723
75	3"	3 1/2"	M75	1.63	140	2.528	2.528	2.626	3.087	0.024	0.062	0.098	0.118	3.937	4.331	3.476	75	PX2K	1RA538	PVC30	89.596
90	3 1/2"	4"	M90	1.69	200	2.965	2.976	3.000	3.555	0.032	0.062	0.124	0.157	4.528	4.980	4.020	90	PX2K	1RA539	PVC32	130.866
100	3 1/2"	4"	M100	1.69	200	3.370	3.382	3.390	3.992	0.032	0.062	0.124	0.157	5.000	5.500	4.488	100	PX2K	1RA5310	LSF33	169.668

**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 Aluminium "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: 32PX2K1RA534 = Nickel Plated Brass 1-1/4" NPT, 50SPX2K1RA035 = Brass 1-1/2" NPT, 25PX2K1RA432 = Stainless Steel 3/4" NPT, 20PX2K1RA5 Nickel Plated Brass M20

Dimensions are displayed in inches unless otherwise stated