



Brass

## PX2K/PB Flameproof Ex d, Increased Safety Ex e, Restricted Breathing Ex nR Compound Barrier Cable Gland

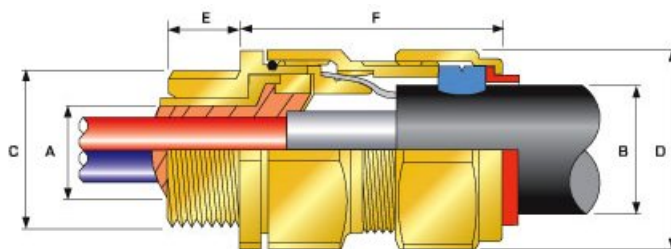
CMP Type PX2K/PB Triple Certified Flameproof (Type 'd'), Increased Safety (Type 'e') and Restricted Breathing (Type 'nR') cable gland for use in Zone 1, Zone 2, Zone 21 and Zone 22 Hazardous Areas with all types of lead sheathed and armoured cable providing a compound barrier seal around the cable conductors and an environmental seal on the cable outer sheath. The cable gland provides mechanical cable retention and electrical continuity via armour termination, and also earth bonding of the inner Lead Covering or Lead Sheath.

All CMP Cable Connectors are EMC Tested.

A combined detachable armour cone and compound tube, together with AnyWay universal clamping ring arrangement allows the cable to be easily disconnected from the equipment, for maintenance and change out etc., and re-connected with the same consummate ease. This feature also facilitates remote make off procedures when the termination is to be conducted in confined spaces or in areas of restricted access.

The CMP PX2KPB cable gland is suitable for use with all forms of equipment protection permitted in Zone 1, Zone 2, Zone 21 & Zone 22 provided always that the prevailing code of practice for selection and installation is observed, e.g. IEC 60079-14.

The PX2K/PB is supplied in kit form inclusive of two detachable armour cones. Stepped Cone is suitable for SWA cables, Grooved Cone is suitable for all other approved armoured cables.



**Note:** Dedicated version for Steel Wire Armour type is PX2KWPB Dedicated version for all other Armour types is PX2KXPB

# Cable Gland Selection Table

Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Number Of Cores	Diameter Over Conductors "A"	Overall Cable Diameter "B"		Armour Range +				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (Brass Metric) #	PVC Shroud Ref*	Cable Gland Weight (Kgs)				
	Standard		Option				Max	Max	Min	Max	Grooved Cone								Stepped Cone		Max	Max
	Metric	NPT	NPT								Min	Max							Min	Max		
20S/16	M20	1/2"	3/4"	15.0	11	12.6	6.1	11.5	0.0	1.0	0.9	1.0	30.5	32.9	58.5	20S16PX2KPB1RA	PVC06	0.200				
20S	M20	1/2"	3/4"	15.0	11	12.6	9.5	15.9	0.0	1.0	0.9	1.25	30.5	32.9	58.5	20SPX2KPB1RA	PVC06	0.200				
20	M20	1/2"	3/4"	15.0	21	12.6	12.5	20.9	0.0	1.0	0.9	1.25	30.5	32.9	60.5	20PX2KPB1RA	PVC06	0.230				
25S	M25	3/4"	1"	15.0	38	17.5	14.0	22	0.0	1.0	1.25	1.6	37.5	40.5	67.5	25SPX2KPB1RA	PVC09	0.330				
25	M25	3/4"	1"	15.0	38	17.5	18.2	26.2	0.0	1.0	1.25	1.6	37.5	40.5	67.5	25PX2KPB1RA	PVC09	0.330				
32	M32	1"	1 1/4"	15.0	59	23.6	23.7	33.9	0.0	1.0	1.6	2.0	46.0	49.7	69.5	32PX2KPB1RA	PVC11	0.510				
40	M40	1 1/4"	1 1/2"	15.0	89	30.0	27.9	40.4	0.0	1.0	1.6	2.0	55.0	59.4	78.0	40PX2KPB1RA	PVC15	0.720				
50S	M50	1 1/2"	2"	15.0	115	36.6	35.2	46.7	0.0	1.0	2.0	2.5	60.0	64.8	75.5	50SPX2KPB1RA	PVC18	0.825				
50	M50	2"	2 1/2"	15.0	115	41.0	40.4	53.1	0.0	1.0	2.0	2.5	70.0	75.6	80.5	50PX2KPB1RA	PVC21	0.860				
63S	M63	2"	2 1/2"	15.0	140	47.9	45.6	59.4	0.0	1.0	2.0	2.5	75.0	81.0	91.5	63SPX2KPB1RA	PVC23	1.450				
63	M63	2 1/2"	3"	15.0	140	53.7	54.6	65.9	0.0	1.0	2.0	2.5	80.0	86.4	92.0	63PX2KPB1RA	PVC25	1.600				
75S	M75	2 1/2"	3"	15.0	140	59.9	59.0	72.1	0.0	1.0	2.0	2.5	89.0	96.1	99.0	75SPX2KPB1RA	PVC28	2.300				
75	M75	3"	3 1/2"	15.0	140	64.3	66.7	78.5	0.0	1.0	2.5	3.0	99.0	106.9	102.0	75PX2KPB1RA	PVC30	3.050				
90	M90	3"	3 1/2"	15.0	140	75.3	76.2	90.4	0.0	1.6	3.0	3.5	114.0	123.1	120.0	90PX2KPB1RA	PVC32	5.000				
100	M100	4"	-	15.0	200	85.6	86.1	101.5	0.0	1.6	3.15	4.0	133.0	143.6	135.0	100PX2KPB1RA	LSF33	6.000				

Dimensions are displayed in millimetres unless otherwise stated

**NOTE:** \*CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes. # Other thread forms, materials and finishes are available. IEC Ex & ATEX hazardous area certification marking included as standard. The PX2K/PB is supplied in kit form inclusive if two detachable armour cones. The Stepped Cone (W) is suitable for SWA cables, and the Grooved Cone (X) is suitable for all other approved armoured cables. Please consult CMP for any other requirements.

Cable Gland Size	Available Entry Threads "C"			Minimum Thread Length "E"	Number Of Cores	Diameter Over Conductors "A"	Overall Cable Diameter "B"		Armour Range +				Across Flats "D"	Across Corners "D"	Protrusion Length "F"	Ordering Reference (Brass Metric) #	PVC Shroud Ref*	Cable Gland Weight (Ozs)				
	Standard		Option				Max	Max	Min	Max	Grooved Cone								Stepped Cone		Max	Max
	Metric	NPT	NPT								Min	Max							Min	Max		
20S/16	M20	1/2"	3/4"	0.591	11	0.496	0.240	0.453	0.000	0.039	0.035	0.039	1.201	1.295	2.303	20S16PX2KPB1RA	PVC06	7.05				
20S	M20	1/2"	3/4"	0.591	11	0.496	0.374	0.626	0.000	0.039	0.035	0.049	1.201	1.295	2.303	20SPX2KPB1RA	PVC06	7.05				
20	M20	1/2"	3/4"	0.591	21	0.496	0.492	0.823	0.000	0.039	0.035	0.049	1.201	1.295	2.382	20PX2KPB1RA	PVC06	8.11				
25S	M25	3/4"	1"	0.591	38	0.689	0.551	0.866	0.000	0.039	0.049	0.063	1.476	1.594	2.657	25SPX2KPB1RA	PVC09	11.64				
25	M25	3/4"	1"	0.591	38	0.689	0.717	1.031	0.000	0.039	0.049	0.063	1.476	1.594	2.657	25PX2KPB1RA	PVC09	11.64				
32	M32	1"	1 1/4"	0.591	59	0.929	0.933	1.335	0.000	0.039	0.063	0.079	1.811	1.957	2.736	32PX2KPB1RA	PVC11	17.99				
40	M40	1 1/4"	1 1/2"	0.591	89	1.181	1.098	1.591	0.000	0.039	0.063	0.079	2.165	2.339	3.071	40PX2KPB1RA	PVC15	25.40				
50S	M50	1 1/2"	2"	0.591	115	1.441	1.386	1.839	0.000	0.039	0.079	0.098	2.362	2.551	2.972	50SPX2KPB1RA	PVC18	29.10				
50	M50	2"	2 1/2"	0.591	115	1.614	1.591	2.091	0.000	0.039	0.079	0.098	2.756	2.976	3.169	50PX2KPB1RA	PVC21	30.34				
63S	M63	2"	2 1/2"	0.591	140	1.886	1.795	2.339	0.000	0.039	0.079	0.098	2.953	3.189	3.602	63SPX2KPB1RA	PVC23	51.15				
63	M63	2 1/2"	3"	0.591	140	2.114	2.150	2.594	0.000	0.039	0.079	0.098	3.150	3.402	3.622	63PX2KPB1RA	PVC25	56.44				
75S	M75	2 1/2"	3"	0.591	140	2.358	2.323	2.839	0.000	0.039	0.079	0.098	3.504	3.783	3.898	75SPX2KPB1RA	PVC28	81.13				
75	M75	3"	3 1/2"	0.591	140	2.531	2.626	3.091	0.000	0.039	0.098	0.118	3.898	4.209	4.016	75PX2KPB1RA	PVC30	107.59				
90	M90	3"	3 1/2"	0.591	140	2.965	3.000	3.559	0.000	0.063	0.079	0.138	4.488	4.846	4.724	90PX2KPB1RA	PVC32	176.37				
100	M100	4"	-	0.591	200	3.370	3.390	3.996	0.000	0.063	0.124	0.157	5.236	5.654	5.315	100PX2KPB1RA	LSF33	211.64				

Dimensions are displayed in inches unless otherwise stated

**NOTE:** \*CMP SOLO LSF Halogen Free Shrouds also available on request. + Alternative armour clamping range available for non-standard armour sizes. # Other thread forms, materials and finishes are available. IEC Ex & ATEX & hazardous area certification marking included as standard. The PX2K/PB is supplied in kit form inclusive if two detachable armour cones. The Stepped Cone (W) is suitable for SWA cables, and the Grooved Cone (X) is suitable for all other approved armoured cables. Please consult CMP for any other requirements.



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# TECHNICAL DATA

GOST R Certificate Number	<a href="#">POCC GB.HO06.B00207</a>
GOST R Code of Protection Category	Ex d IIC / Ex e II / DIP A21
GOST R Compliance Standards	ГОСТ P 52350.0-2005, ГОСТ P 52350.1-2005, ГОСТ P 52350.7-2005, ГОСТ МЭК 61241-1-1-99
GOST GGTN Permit	<a href="#">PPC 00-40706</a>
GOST K Certificate Number	<a href="#">KZ 75000361 01 01 14761</a>
RoK Permit For Use Number	<a href="#">19-02-UL-1957</a>
DNV Approval No.	<a href="#">E-10496</a>
ABS Approval No.	<a href="#">01-LD234401A/2-PDA</a>
INMETRO Approval Certificate No.	<a href="#">AEX-10786-X</a>
INMETRO Code of Protection Category	BR - Ex d IIC / BR - Ex e II - IP66
INMETRO Compliance Standards	ABNT NBR IEC 60079-0:2006, ABNT NBR IEC 60079-1:2007, IEC 60079-7:2001 e ABNT NBR IEC 60529:2005
NEPSI Certificate Number	<a href="#">GYJ081070</a>
NEPSI Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, DIP A21 TA
NEPSI Compliance Standards	GB3836.1/2/3-2000, GB3836.8-2003, GB12476.1-2000
RETIE Approval Number	<a href="#">03866</a>
Type	PX2K/PB
Design Specification	<a href="#">BS 6121:Part 1:1989</a> , <a href="#">EN 50262:1999</a>
ATEX Certification Detail	<a href="#">SIRA06ATEX1097X</a> , <a href="#">SIRA07ATEX4326X</a>
ATEX Code of Protection Category	ATEX II 2 GD, Ex d IIC, Ex e II, Ex tD A21 IP66, ATEX II 3 G Ex nR II, ATEX IM2, Ex d I, Ex e I
ATEX Compliance Standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, IEC 61241-0, EN 61241-1
IEC Ex Certification Detail	<a href="#">IECEx SIR 06.0044X</a>
IEC Ex Code of Protection Category	Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66, Ex d I, Ex e I
IEC Ex Compliance Standards	IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 61241-0, IEC 61241-1
Continuous Operating Temperature	-60°C to +100°C
Ingress Protection Rating	IP66, IP67, IP68
Ingress Protection Document	<a href="#">5046 C549F</a>
Deluge Protection Compliance	<a href="#">DTS01 : 91</a>
Deluge Protection Document	<a href="#">5046 C549F-D</a>
Cable Gland Material	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium
Seal Material	CMP SOLO LSF Thermoplastic Elastomer / Epoxy Resin Barrier Compound
Material Safety Data Sheet	<a href="#">Hardener</a> / <a href="#">Resin</a>
Cable Type	Lead Sheathed & Single Wire Armour (LC/SWA), Lead Sheathed & Aluminium Wire Armour (LC/AWA), Lead Sheathed & Wire Braid Armour (LC/SWB), Lead Sheathed & Pliable Wire Armour (LC/PWA), Lead Sheathed & Steel Tape Armour (LC/STA), Lead Sheathed & Aluminium Strip Armour (LC/ASA)
Armour Clamping	Detachable Compound Tube / Cone & AnyWay Universal Clamping Ring
Sealing Technique	Unique CMP "LRS" TM Outer Seal (Load Retention Seal)
Sealing Area(s)	Inner Compound Barrier & Outer Sheath
Accessories	<a href="#">Adaptor/Reducer</a> , <a href="#">Earth Tag</a> , <a href="#">Locknut</a> , <a href="#">Serrated Washer</a> , <a href="#">Entry Thread Seal</a> , <a href="#">Shroud</a>

Please Note: If Tape Armour is to be used please contact CMP for advice.



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