

# PX2K-REX Series Liquid Resin Barrier Type Cable Glands

## For all Types of Armored cables

Increased Safety, Flameproof, Restricted Breathing and Dust Environment

Zone 1 and 2, Zone 20  
Gas (G) and Dust (D)

### Applications

- Cable gland for all types of armored cables (braid, tape, wire and lead sheath version) certified for enclosures with the following protection modes:
  - Ex d flameproof IIB or IIC.
  - Ex e increased safety.
  - Ex nR restricted breathing.
  - D dust environment.
- Hazardous areas (gas and dust).
- Onshore and offshore.

### Features

- Utilizes RapidEx high speed liquid resin sealing compound included with each gland.
- The gland utilizes a liquid pour resin seal, that vastly reduces installation time and associated costs. This solution is particularly effective on multicore cables where traditional compound is difficult and time consuming to apply.
- Connector provides an environmental seal on the cable outer jacket and an explosionproof liquid resin barrier seal around the cable inner cores.

- Connector provides mechanical cable retention and electrical continuity via armor termination.
- PX2K forms part of a comprehensive connector range for marine shipboard and IEE45 armored and jacketed cables.
- Sealing technique: LRS outer seal (load retention seal).

### Standard Materials

- Connector: brass fully nickel plated.
- Seal: LSF (Low Smoke Fume) Halogen Free thermoset elastomer.
- High speed liquid resin sealing compound.

### Options

- Aluminum: replace last digit **5** with **1**
- 316L stainless steel: replace last digit **5** with **4** (available by quote only)
- Shroud, locknut, earth tag, entry thread seal, serrated washers, adaptors and reducers: see *Cable Gland Accessories* pages.

Cable Gland Size	Metric Thread C	Thread Length (Metric) mm E	Catalog Numbers					
			Standard Metric ①	Standard NPT Thread C	Standard NPT ①	Optional NPT Thread C	Optional NPT ①	Replacement Sealing Resin
20S/16	M20	15.0	2016PX2KREX5	1/2"	2016PX2KRX505	3/4"	2016PX2KRX755	RAPIDEX30
20S	M20	15.0	20SPX2KREX5	1/2"	20SPX2KRX0505	3/4"	20SPX2KRX0755	RAPIDEX30
20	M20	15.0	20PX2KREX5	1/2"	20PX2KREX0505	3/4"	20PX2KREX0755	RAPIDEX30
25S	M25	15.0	25SPX2KREX5	3/4"	25SPX2KRX0755	1"	25SPX2KRX1005	RAPIDEX30
25	M25	15.0	25PX2KREX5	3/4"	25PX2KREX0755	1"	25PX2KREX1005	RAPIDEX30
32	M32	15.0	32PX2KREX5	1"	32PX2KREX1005	1-1/4"	32PX2KREX1255	RAPIDEX30
40	M40	15.0	40PX2KREX5	1-1/4"	40PX2KREX1255	1-1/2"	40PX2KREX1505	RAPIDEX30
50S	M50	15.0	50SPX2KREX5	1-1/2"	50SPX2KRX1505	2"	50SPX2KRX2005	RAPIDEX80
50	M50	15.0	50PX2KREX5	2"	50PX2KREX2005	2-1/2"	50PX2KREX2505	RAPIDEX80
63S	M63	15.0	63SPX2KREX5	2"	63SPX2KRX2005	2-1/2"	63SPX2KRX2505	2RAPIDEX80
63	M63	15.0	63PX2KREX5	2-1/2"	63PX2KREX2505	3"	63PX2KREX3005	2RAPIDEX80
75S	M75	15.0	75SPX2KREX5	2-1/2"	75SPX2KRX2505	3"	75SPX2KRX3005	2RAPIDEX80
75	M75	15.0	75PX2KREX5	3"	75PX2KREX3005	3-1/2"	75PX2KREX3505	3RAPIDEX80
90	M90	20.0	90PX2KREX5	3-1/2"	90PX2KREX3505	4"	90PX2KREX4005	3RAPIDEX80

① Entry thread seal not supplied, see *Cable Gland Accessories and Tools*.

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### ATEX/IECEX Certifications and Compliances

- **Certification Type PX2K REX**
  - Gas: Zones 1 and 2
    - Type of Protection: Ex d IIC Gb, Ex e IIC Gb, Ex nR IIC Gc
  - Dust: Zone 20
    - Type of Protection: Ex ta IIIC Da
  - Conforming to ATEX 94/9/CE: II 2G 3G 1D
  - Ambient Temperature: -60 °C to +85 °C
  - CE Declaration of Conformity: DC07001
  - ATEX Certificate: Sira 13ATEX1072X, Sira 13ATEX4078X
  - IECEX Certificate: IECEX SIR 13.0027X, IECEX SIM 14.0008X
  - Other Certifications: cCSAus, CCOE/PESO (india)
  - Marine Approval: LLOYDS, DNV, ABS
  - Index of Protection according EN/IEC 60529: IP66, IP67, IP68
  - Deluge Protection Compliance: DTS01:91

### INMETRO Certification

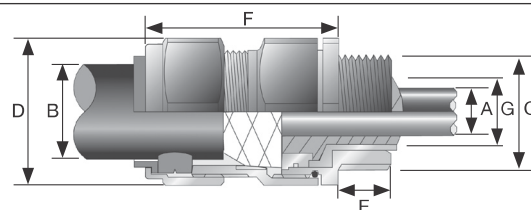
- INMETRO Certificate: TUV 12.2073X

### EURASEC Certification

- TC RU C-GB.г5.05.B.00138



Dimensions in Millimeters



Cable Gland Size	Maximum Diameter Over Conductors mm A	Overall Cable Diameter mm B		Maximum Cable Bedding Diameter mm G	Across Flats mm D	Across Corners mm D	Protrusion Length mm F	PVC Shroud Reference	Cable Gland Weight kg
		Min	Max						
20S/16	11.7	6.1	13.1	11.7	30.5	33.6	62.0	PVC06	0.24
20S	11.7	9.5	15.9	11.7	30.5	33.6	62.0	PVC06	0.23
20	12.6	12.5	20.9	12.9	30.5	33.6	63.0	PVC06	0.24
25S	17.5	14.0	22.0	17.9	37.5	41.3	69.5	PVC09	0.37
25	17.5	18.2	26.2	17.9	37.5	41.3	69.5	PVC09	0.37
32	23.6	23.7	33.9	23.9	46.0	50.6	75.0	PVC11	0.57
40	30.0	27.9	40.4	30.3	55.0	60.5	75.0	PVC15	0.80
50S	36.6	35.2	46.7	36.9	60.0	66.0	77.0	PVC18	0.90
50	41.0	40.4	53.0	41.3	70.0	77.0	77.0	PVC21	1.19
63S	47.9	45.6	59.4	48.4	75.0	82.5	79.7	PVC23	1.39
63	53.7	54.6	65.8	54.0	80.0	88.0	80.3	PVC25	1.41
75S	59.9	59.0	72.0	60.2	90.0	99.0	86.8	PVC28	2.09
75	64.2	66.7	78.4	64.2	100.0	110.0	88.3	PVC30	2.54
90	75.3	76.2	90.3	75.6	115.0	126.5	102.21	PVC32	3.71

ZONE 1 RATED NICKEL PLATED BRASS CABLE GLANDS

Fittings