

Explosion Proof Glands

BARR-X EEx d IIC Brass Barrier Gland 424TX Series



Application

- > For wire braided cables

Features & Benefits

- > Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- > Suitable for circular, wire braid armour cables with extruded polymeric oversheath and extruded or taped bedding
- > Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- > Provides mechanical cable retention and electrical continuity through the braid wire termination
- > Suitable for most climatic conditions – weatherproof & waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

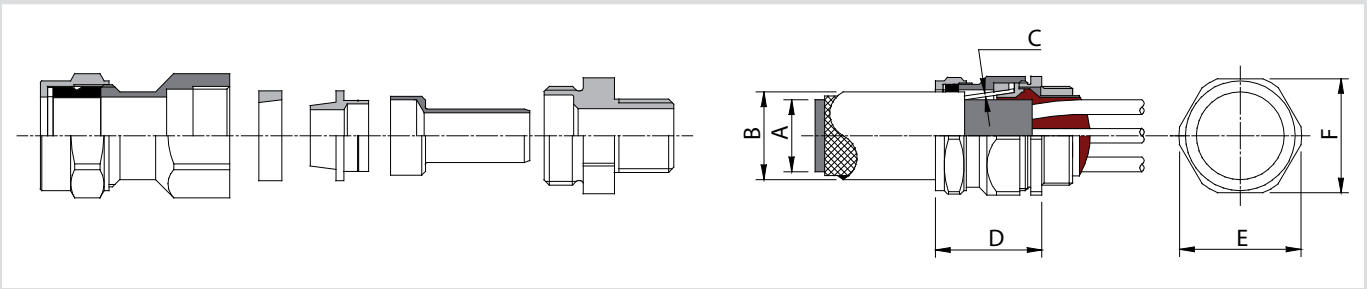


Technical Data

- > Certified II2GD, EEx II & EEx d IIC under ATEX directive 94/9/EC.
- > IECEx SIR 10.0072x
- > Certificate number Sira04ATEX1080X
- > Applicable standards:
 - IEC 60079-0:2004
 - IEC 60079-1:2007-04
 - IEC 60079-7:2006-07
 - IEC 61241-0:2004
 - IEC 61241-1:2004
 - EN 60079-0:2006
 - EN 60079-1:2007
 - EN 60079-7:2007
 - EN 61241-0:2006
 - EN 61241-1:2004
- > Service temperature range -60°C to +90°C.
- > May be used in:
 - Zones 0, 1 & 2 with EEx ia IIA, B & C equipment
 - Zones 1 & 2 with EEx ib IIA, B & C equipment
 - Zones 1 & 2 with EEx d IIA, B & C equipment with any volume
 - Zones 1 & 2 with EEx e II equipment
 - Zones 1 & 2 with EEx p II equipment
 - Zone 2 with EEx nA II equipment
 - Zone 2 with EEx nR II equipment
 - Zones 21 & 22 with Extd A21 IP66



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Gland Details

Basic Size	Gland References & Thread Sizes				Max. Dia. Over Conductors	Cable Dimensions mm					Gland Dimensions mm			
	Metric		NPT			Max. No. of Conductors	Inner Sheath Dia. 'A'		Overall Dia. 'B'		Braid Wire Dia. 'C'	Approx. Length 'D'	Hexagon Size	
	Design No.	Thread Size *	Design No.	Thread Size †			Min	Max	Min	Max			A/C 'E'	A/F 'F'
20S	424TX52	M20 × 1.5	424TX02	½" - 14 NPT	11.0	30	—	11.5	8.0	15.8	0.2 / 0.3	67	34.0	30.5
20	424TX53	M20 × 1.5	424TX03	½" - 14 NPT	11.0	30	—	12.5	11.7	20.8	0.2 / 0.3	64	34.0	30.5
25	424TX55	M25 × 1.5	424TX05	¾" - 14 NPT	16.0	42	11.5	18.0	17.0	27.2	0.2 / 0.45	65	42.2	37.6
32	424TX56	M32 × 1.5	424TX06	1" - 11½ NPT	22.1	60	17.0	25.0	19.0	33.5	0.3 / 0.45	77	53.6	47.3
40	424TX57	M40 × 1.5	424TX07	1¼" - 11½ NPT	28.2	100	24.0	31.5	26.5	39.9	0.3 / 0.45	77	61.5	56.4
50	424TX59	M50 × 1.5	424TX09	2" - 11½ NPT	37.1	200	30.0	41.5	36.0	52.6	0.3 / 0.45	84	77.2	70.1
63	424TX61	M63 × 1.5	424TX11	2½" - 8 NPT	48.4	400	40.0	54.0	46.5	65.3	0.3 / 0.45	90	87.4	80.0
75	424TX63	M75 × 1.5	424TX13	3" - 8 NPT	58.6	400	53.0	65.5	58.0	78.0	0.3 / 0.45	96	109.2	98.8
85	424TX64	M85 × 2	424TX14	3" - 8 NPT	65.8	400	60.0	74.0	68.0	88.0	0.3 / 0.45	108	126.0	115.0

* 1.5mm Pitch threads are supplied 15mm long, 2mm pitch threads are supplied 20mm long

† NPT thread lengths comply with new UL2225 requirements