

# Explosion Proof Glands



## BARR-A EEx d IIC Brass Barrier Gland 424TA Series

### Application

> For unarmoured cables

### Features & Benefits

- > Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- > Suitable for circular unarmoured cables with extruded polymeric oversheath
- > Achieves IP66 seal onto cable and to enclosure with suitable sealing washer or thread sealant
- > Provides mechanical cable retention
- > Suitable for most climatic conditions - weatherproof and waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

### Technical Data

- > Certified II 2GD, EEx e II & EEx d IIC under ATEX directive 94/9/EC
- > Certificate number Sira04ATEX1080X
- > 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 EEx tD II equipment

### Gland Details

Basic Size	Gland References & Thread Sizes				Cable Dimensions, mm				Gland Dimensions		
	Metric		NPT		Max. Dia. Over Conductors	Max. No. of Conductors	Overall DIA. 'A'		Approx. Length 'B'	Hexagon Size	
	Design No.	Thread Size *	Design No.	Thread Size †			Min	Max		A/C 'C'	A/F 'D'
20	424TA53	M20 × 1.5	424TA03	½" - 14 NPT	11.0	30	8.9	15.7	56	40.0	36.0
25	424TA55	M25 × 1.5	424TA05	¾" - 14 NPT	16.0	42	13.0	19.3	59	48.0	42.4
32	424TA56	M32 × 1.5	424TA06	1" - 11½ NPT	22.1	60	17.0	25.4	59	53.6	47.2
40	424TA57	M40 × 1.5	424TA07	1¼" - 11½ NPT	28.2	100	24.1	30.0	63	61.5	56.4
50	424TA59	M50 × 1.5	424TA09	2" - 11½ NPT	37.1	200	29.0	41.9	66	77.2	70.1
63	424TA61	M63 × 1.5	424TA11	2½" - 8 NPT	48.4	400	40.9	52.8	69	87.4	80.0
75	424TA63	M75 × 1.5	424TA13	3" - 8 NPT	58.6	400	49.8	59.9	80	109.2	98.8
85	424TA64	M85 × 2	424TA14	3" - 8 NPT	65.8	400	58.9	73.9	83	116.8	106.2

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

† NPT thread lengths comply with new UL2225 requirements

