

# Explosion Proof Glands

## BARR-W EEx d IIC Brass Barrier Gland 424TW Series



### Application

- > For steel wire armoured cables

### Features & Benefits

- > Brass indoor and outdoor cable gland for use in Zone 1 and Zone 2 hazardous areas
- > Suitable for circular, galvanised steel single wire 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 armour wire termination
- > Suitable for most climatic conditions – weatherproof & waterproof
- > Nickel plated versions also available
- > Matching accessory kits available

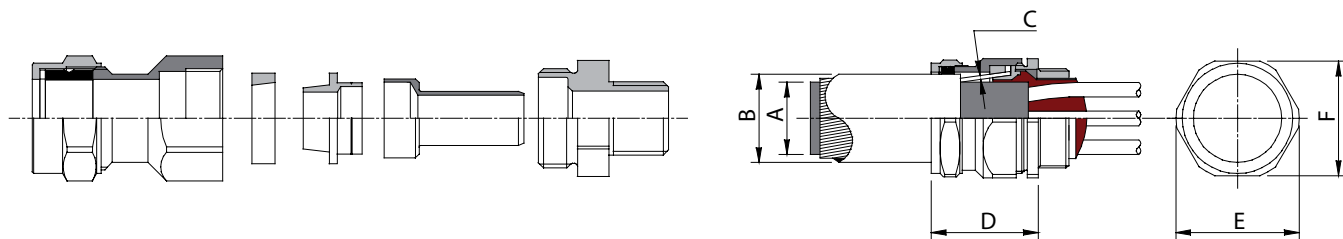


### Technical Data

- > 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



# BARR-W EEx d IIC Brass Barrier Gland



## Gland Details

| Gland References & Thread Sizes |            |               |            |               | Cable Dimensions mm       |                        |                       |      |                  |      |                      | Gland Dimensions mm |              |         |
|---------------------------------|------------|---------------|------------|---------------|---------------------------|------------------------|-----------------------|------|------------------|------|----------------------|---------------------|--------------|---------|
| Basic Size                      | Metric     |               | NPT        |               | Max. Dia. Over Conductors | Max. No. of Conductors | Inner Sheath Dia. 'A' |      | Overall Dia. 'B' |      | Armour 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                             | 424TW52    | M20 × 1.5     | 424TW02    | ½" - 14 NPT   | 11.0                      | 30                     | —                     | 12.5 | 8.0              | 15.8 | 0.9 / 1.4            | 67                  | 34.0         | 30.5    |
| 20                              | 424TW53    | M20 × 1.5     | 424TW03    | ½" - 14 NPT   | 11.0                      | 30                     | —                     | 12.5 | 11.7             | 20.8 | 0.9 / 1.4            | 64                  | 34.0         | 30.5    |
| 25                              | 424TW55    | M25 × 1.5     | 424TW05    | ¾" - 14 NPT   | 16.0                      | 42                     | 11.5                  | 18.0 | 17.0             | 27.2 | 1.25 / 1.6           | 65                  | 42.2         | 37.6    |
| 32                              | 424TW56    | M32 × 1.5     | 424TW06    | 1" - 11½ NPT  | 22.1                      | 60                     | 17.0                  | 25.0 | 19.0             | 33.5 | 1.6 / 2.0            | 77                  | 53.6         | 47.3    |
| 40                              | 424TW57    | M40 × 1.5     | 424TW07    | 1¼" - 11½ NPT | 28.2                      | 100                    | 24.0                  | 31.5 | 26.5             | 39.9 | 1.6 / 2.0            | 77                  | 61.5         | 56.4    |
| 50                              | 424TW59    | M50 × 1.5     | 424TW09    | 2" - 11½ NPT  | 37.1                      | 200                    | 30.0                  | 41.5 | 36.0             | 52.6 | 2.0 / 2.5            | 84                  | 77.2         | 70.1    |
| 63                              | 424TW61    | M63 × 1.5     | 424TW11    | 2½" - 8 NPT   | 48.4                      | 400                    | 40.0                  | 54.0 | 46.5             | 65.3 | 2.5                  | 90                  | 87.4         | 80.0    |
| 75                              | 424TW63    | M75 × 1.5     | 424TW13    | 3" - 8 NPT    | 58.6                      | 400                    | 53.0                  | 65.5 | 58.0             | 78.0 | 2.5 / 3.15           | 96                  | 109.2        | 98.8    |
| 85                              | 424TW64    | M85 × 2       | 424TW14    | 3" - 8 NPT    | 65.8                      | 400                    | 60.0                  | 74.0 | 68.0             | 88.0 | 2.5 / 3.15           | 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