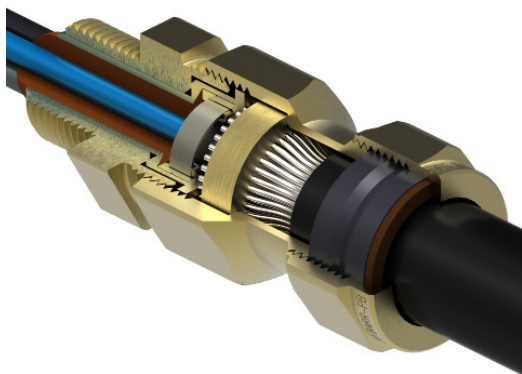


# BARR-PB EX D IIC

## 424TP SERIES



**The Barr Pb is a barrier type cable gland for lead sheathed cables which aids the control of migrating gasses. The Barr Pb includes bicaseal putty and is the best choice for when the highest level of hazardous protection is required.**

### Features and 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 Lead Inner sheath
- 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
- Provides electrical continuity to the inner lead sheath
- Suitable for most climatic conditions - weatherproof and waterproof
- Standard and Nickel plated versions available
- Full Installation Instructions supplied

## Technical Information:

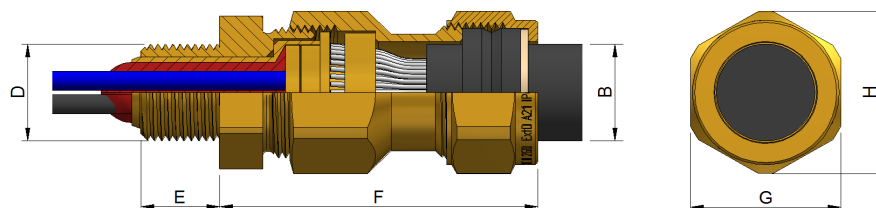
Certified II 2GD, Ex e II & Ex d IIC under ATEX directive 2014/34/EU  
 Atex Compliance Standards: EN 60079-0, EN 60079-1, EN 60079-7,  
 EN 61241-0, EN 61241-1  
 Certificate number Sira04ATEX1080X  
 IECEx Compliance Standards: IEC 60079-0, IEC 60079-1, IEC  
 60079-7, IEC 61241-0, IEC 61241-1  
 Certificate number IECEx SIR 10.0072X  
 Service temperature range -60°C to +90°C

### May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex d IIA, B & C equipment with any volume
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zone 2 with Ex nR II equipment
- Zones 21 & 22 with Extd A21

## Specifications

| Gland Reference  |               |          |     | Cable Dimensions mm       |                        |                |      |               |      | Gland Dimensions mm |                  |                   |                       |         |         |
|------------------|---------------|----------|-----|---------------------------|------------------------|----------------|------|---------------|------|---------------------|------------------|-------------------|-----------------------|---------|---------|
| Design Reference |               | Size     |     | Max. Dia. Over Conductors | Max. No. of Conductors | Inner Sheath Ø |      | Overall Ø (B) |      | Armour Wire Ø       | Entry Thread (D) | Thread Length (E) | Protrusion Length (F) | Hexagon |         |
| Standard         | Nickel Plated | Metric   | NPT |                           |                        | Min            | Max  | Min           | Max  |                     |                  |                   |                       | A/F (G) | A/C (H) |
| 424TP-52         | 424TP-52V     | 20S      |     | 11.0                      | 30                     | 7              | 9.5  | 8.0           | 15.8 | 0.9 / 1.25          | M20 × 1.5        | 15                | 67                    | 30.5    | 34      |
| 424TP-53         | 424TP-53V     | 20       |     | 11.0                      | 30                     | 8              | 12.0 | 11.7          | 20.8 | 0.9 / 1.25          | M20 × 1.5        | 15                | 64                    | 30.5    | 34      |
| 424TP-85*        | 424TP-85V*    | 25       |     | 16.0                      | 42                     | 11             | 17.0 | 17.0          | 27.2 | 0.9 / 1.25          | M25 × 1.5        | 15                | 65                    | 37.6    | 42.2    |
| 424TP-55         | 424TP-55V     | 25       |     | 16.0                      | 42                     | 11.0           | 17.0 | 17.0          | 27.2 | 1.25/1.6            | M25 × 1.5        | 15                | 65                    | 37.6    | 42.2    |
| 424TP-86*        | 424TP-86V*    | 32       |     | 22.1                      | 60                     | 15.5           | 23.2 | 19.0          | 33.5 | 1.25/1.6            | M32 × 1.5        | 15                | 77                    | 47.3    | 53.6    |
| 424TP-56         | 424TP-56V     | 32       |     | 22.1                      | 60                     | 15.5           | 23.2 | 19.0          | 33.5 | 1.6/2.0             | M32 × 1.5        | 15                | 77                    | 47.3    | 53.6    |
| 424TP-57         | 424TP-57V     | 40       |     | 28.2                      | 100                    | 22.5           | 29.0 | 26.5          | 39.9 | 1.6/2.0             | M40 × 1.5        | 15                | 77                    | 56.4    | 61.5    |
| 424TP-89*        | 424TP-89V*    | 50       |     | 37.1                      | 200                    | 28.5           | 40.0 | 36.0          | 52.6 | 1.6                 | M50 × 1.5        | 15                | 84                    | 70.1    | 77.2    |
| 424TP-59         | 424TP-59V     | 50       |     | 37.1                      | 200                    | 28.5           | 40.0 | 36.0          | 52.6 | 2.0/2.5             | M50 × 1.5        | 15                | 84                    | 70.1    | 77.2    |
| 424TP-61         | 424TP-61V     | 63       |     | 48.4                      | 400                    | 39.0           | 51.8 | 46.5          | 65.3 | 2.5                 | M63 × 1.5        | 15                | 90                    | 80      | 87.4    |
| 424TP-63         | 424TP-63V     | 75       |     | 58.6                      | 400                    | 51.5           | 64.0 | 58.0          | 78.0 | 2.5/3.15            | M75 × 1.5        | 15                | 96                    | 98.8    | 109.2   |
| 424TP-64         | 424TP-64V     | 85       |     | 65.8                      | 400                    | 63.0           | 70.0 | 68.0          | 88.0 | 2.5/3.15            | M85 × 2          | 20                | 108                   | 115     | 126     |
| 424TP-02         | 424TP-02V     | ½" - 20S |     | 11.0                      | 30                     | 7              | 9.5  | 8.0           | 15.8 | 0.9 / 1.25          | ½" NPT           | 21.9              | 67                    | 30.5    | 34      |
| 424TP-03         | 424TP-03V     | ½" - 20  |     | 11.0                      | 30                     | 8              | 12.0 | 11.7          | 20.8 | 0.9 / 1.25          | ½" NPT           | 21.9              | 64                    | 30.5    | 34      |
| 424TP-35*        | 424TP-35V*    | ¾" - 25  |     | 16.0                      | 42                     | 11             | 17.0 | 17.0          | 27.2 | 0.9 / 1.25          | ¾" NPT           | 22.2              | 65                    | 37.6    | 42.2    |
| 424TP-05         | 424TP-05V     | 1" - 25  |     | 16.0                      | 42                     | 11.0           | 17.0 | 17.0          | 27.2 | 1.25/1.6            | ¾" NPT           | 22.2              | 65                    | 37.6    | 42.2    |
| 424TP-36*        | 424TP-36V*    | 1" - 32  |     | 22.1                      | 60                     | 15.5           | 23.2 | 19.0          | 33.5 | 1.25/1.6            | 1" NPT           | 27.5              | 77                    | 47.3    | 53.6    |
| 424TP-06         | 424TP-06V     | 1¼" - 40 |     | 22.1                      | 60                     | 15.5           | 23.2 | 19.0          | 33.5 | 1.6/2.0             | 1" NPT           | 27.5              | 77                    | 47.3    | 53.6    |
| 424TP-07         | 424TP-07V     | 2" - 50  |     | 28.2                      | 100                    | 22.5           | 29.0 | 26.5          | 39.9 | 1.6/2.0             | 1¼" NPT          | 28.1              | 77                    | 56.4    | 61.5    |
| 424TP-39*        | 424TP-39V*    | 2" - 50  |     | 37.1                      | 200                    | 28.5           | 40.0 | 36.0          | 52.6 | 1.6                 | 2" NPT           | 29.4              | 84                    | 70.1    | 77.2    |
| 424TP-09         | 424TP-09V     | 2½" - 63 |     | 37.1                      | 200                    | 28.5           | 40.0 | 36.0          | 52.6 | 2.0 / 2.5           | 2" NPT           | 29.4              | 84                    | 70.1    | 77.2    |
| 424TP-11         | 424TP-11V     | 3" - 75  |     | 48.4                      | 400                    | 39.0           | 51.8 | 46.5          | 65.3 | 2.5                 | 2½" NPT          | 43.4              | 90                    | 80      | 87.4    |
| 424TP-13         | 424TP-13V     | 3" - 75  |     | 58.6                      | 400                    | 51.5           | 64.0 | 58.0          | 78.0 | 2.5/3.15            | 3" NPT           | 45.0              | 96                    | 98.8    | 109.2   |
| 424TP-14         | 424TP-14V     | 3" - 81  |     | 65.8                      | 400                    | 63.0           | 70.0 | 68.0          | 88.0 | 2.5/3.15            | 3" NPT           | 45.0              | 108                   | 115     | 126     |



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