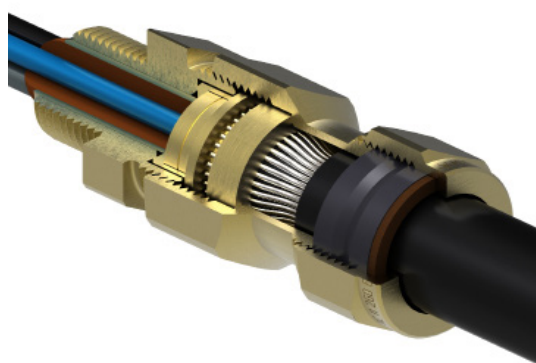


# Barr-W Ex d IIC

## 424TW SERIES



The Barr W is a barrier type cable gland for steel wire armoured cables which aids the control of migrating gasses. The Barr W 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, galvanized 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 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

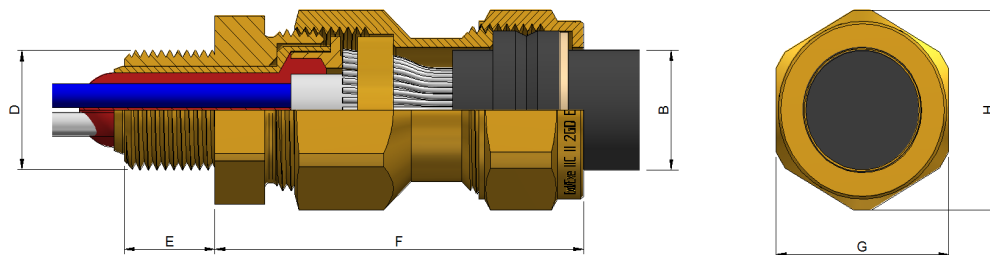
Service temperature range -60°C to +90°C

### 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 Ext d A21

## Specifications

| Gland Kit 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) |
| 424TW-52            | 424TW-52V     | 20S      |     | 11.0                      | 30                     | —              | 11.5 | 8.0           | 15.8 | 0.9 / 1.4           | M20 × 1.5        | 15                | 67                    | 30.5    | 34      |
| 424TW-53            | 424TW-53V     | 20       |     | 11.0                      | 30                     | —              | 12.5 | 11.7          | 20.8 | 0.9 / 1.4           | M20 × 1.5        | 15                | 64                    | 30.5    | 34      |
| 424TW-55            | 424TW-55V     | 25       |     | 16.0                      | 42                     | 11.5           | 18.0 | 17.0          | 27.2 | 1.25 / 1.6          | M25 × 1.5        | 15                | 65                    | 37.6    | 42.2    |
| 424TW-56            | 424TW-56V     | 32       |     | 22.1                      | 60                     | 17.0           | 25.0 | 19.0          | 33.5 | 1.6 / 2.0           | M32 × 1.5        | 15                | 77                    | 47.3    | 53.6    |
| 424TW-57            | 424TW-57V     | 40       |     | 28.2                      | 100                    | 24.0           | 31.5 | 26.5          | 39.9 | 1.6 / 2.0           | M40 × 1.5        | 15                | 77                    | 56.4    | 61.5    |
| 424TW-59            | 424TW-59V     | 50       |     | 37.1                      | 200                    | 30.0           | 41.5 | 36.0          | 52.6 | 2.0 / 2.5           | M50 × 1.5        | 15                | 84                    | 70.1    | 77.2    |
| 424TW-61            | 424TW-61V     | 63       |     | 48.4                      | 400                    | 40.0           | 54.0 | 46.5          | 65.3 | 2.5                 | M63 × 1.5        | 15                | 90                    | 80      | 87.4    |
| 424TW-63            | 424TW-63V     | 75       |     | 58.6                      | 400                    | 53.0           | 65.5 | 58.0          | 78.0 | 2.5 / 3.15          | M75 × 1.5        | 15                | 96                    | 98.8    | 109.2   |
| 424TW-64            | 424TW-64V     | 85       |     | 65.8                      | 400                    | 60.0           | 74.0 | 68.0          | 88.0 | 2.5 / 3.15          | M85 × 2          | 20                | 108                   | 115     | 126     |
| 424TW-02            | 424TW-02V     | ½" - 20S |     | 11.0                      | 30                     | —              | 11.5 | 8.0           | 15.8 | 0.9 / 1.4           | ½" NPT           | 21.9              | 67                    | 30.5    | 34      |
| 424TW-03            | 424TW-03V     | ½" - 20  |     | 11.0                      | 30                     | —              | 12.5 | 11.7          | 20.8 | 0.9 / 1.4           | ½" NPT           | 21.9              | 64                    | 30.5    | 34      |
| 424TW-05            | 424TW-05V     | ¾" - 25  |     | 16.0                      | 42                     | 11.5           | 18.0 | 17.0          | 27.2 | 1.25 / 1.6          | ¾" NPT           | 22.2              | 65                    | 37.6    | 42.2    |
| 424TW-06            | 424TW-06V     | 1" - 32  |     | 22.1                      | 60                     | 17.0           | 25.0 | 19.0          | 33.5 | 1.6 / 2.0           | 1" NPT           | 27.5              | 77                    | 47.3    | 53.6    |
| 424TW-07            | 424TW-07V     | 1¼" - 40 |     | 28.2                      | 100                    | 24.0           | 31.5 | 26.5          | 39.9 | 1.6 / 2.0           | 1¼" NPT          | 28.1              | 77                    | 56.4    | 61.5    |
| 424TW-09            | 424TW-09V     | 2" - 50  |     | 37.1                      | 200                    | 30.0           | 41.5 | 36.0          | 52.6 | 2.0 / 2.5           | 2" NPT           | 29.4              | 84                    | 70.1    | 77.2    |
| 424TW-11            | 424TW-11V     | 2½" - 63 |     | 48.4                      | 400                    | 40.0           | 54.0 | 46.5          | 65.3 | 2.5                 | 2½" NPT          | 43.4              | 90                    | 80      | 87.4    |
| 424TW-13            | 424TW-13V     | 3" - 75  |     | 58.6                      | 400                    | 53.0           | 65.5 | 58.0          | 78.0 | 2.5 / 3.15          | 3" NPT           | 45.0              | 96                    | 98.8    | 109.2   |
| 424TW-14            | 424TW-14V     | 3" - 85  |     | 65.8                      | 400                    | 60.0           | 74.0 | 68.0          | 88.0 | 2.5 / 3.15          | 3" NPT           | 45.0              | 108                   | 115     | 126     |



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