

# ATX™ DB Series Fire Retardant Seal

## Increased Safety. Flameproof.

ATEX/IECEX:  
 Zone 1 and 2 - 21 and 22  
 Ⓢ II 2 GD  
 Ex d IIC Gb, Ex tD, III Db  
 IP66

### Applications

- Used to prevent passage of gasses, vapors or flames from one portion of a conduit system to another.
- For vertical conduit installation.

### Features

- Female to female threads.

### Standard Materials

- Aluminum

### ATEX/IECEX Certifications and Compliances

- Certification Type EYS
  - Gas: Zones 1
    - Type of Protection: Ex d IIC
  - Dust: Zone 21
    - Type of Protection: Ex tD A21
- Conforming to ATEX 94/9/CE: Ⓢ II 2GD
- Ambient Temperature: -20 °C to +100 °C (-4 °F to +212 °F)
- CE Declaration of Conformity: 50268
- ATEX Certificate: CESI 03 ATEX 085
- IECEX Certificate: CES 14.0019x
- Index of Protection according EN/IEC 60529: IP66
- RoHS Compliant



HAZARDOUS LOCATION FITTINGS: ATEX/IECEX FLAMEPROOF SEALS

APPLETON™

| Tapered Thread (NPT)                                | A                                               | Dimensions mm (in) |            | R         | Weight kg (lb) | Volume dm³ (in³) | Pack | Catalog Number |
|-----------------------------------------------------|-------------------------------------------------|--------------------|------------|-----------|----------------|------------------|------|----------------|
|                                                     |                                                 | B                  | B1         |           |                |                  |      |                |
| <b>Aluminum Fire-Retardant Seal — Female/Female</b> |                                                 |                    |            |           |                |                  |      |                |
| 1/2"                                                | 77 (3.03)                                       | 57 (2.24)          | —          | 43 (1.69) | 0.13 (0.29)    | 2.3 (140.35)     | 1    | 500146         |
| 3/4"                                                | 87 (3.43)                                       | 67 (2.64)          | —          | 50 (1.96) | 0.19 (0.42)    | 3.2 (195.28)     | 1    | 500147         |
| 1"                                                  | 105 (4.13)                                      | 83 (3.27)          | —          | 62 (2.44) | 0.32 (0.71)    | 3.2 (195.28)     | 1    | 500148         |
| 1-1/4"                                              | 130 (5.12)                                      | 84 (3.31)          | —          | 56 (2.20) | 0.60 (1.32)    | 3.2 (195.28)     | 1    | 500149         |
| 1-1/2"                                              | 130 (5.12)                                      | 84 (3.31)          | —          | 56 (2.20) | 0.60 (1.32)    | 4.0 (244.09)     | 1    | 500150         |
| 2"                                                  | 140 (5.51)                                      | 95 (3.74)          | —          | 63 (2.48) | 0.65 (1.43)    | 7.6 (463.78)     | 1    | 500151         |
| 2-1/2"                                              | 175 (6.89)                                      | 113 (4.45)         | —          | 74 (2.91) | 1.26 (2.78)    | 7.6 (463.78)     | 1    | 500152         |
| 3"                                                  | 190 (7.48)                                      | —                  | 135 (5.31) | 92 (3.62) | 1.33 (2.93)    | 7.6 (463.78)     | 1    | 500153         |
| <b>Fire Retardant Resin</b>                         |                                                 |                    |            |           |                |                  |      |                |
|                                                     | 1 kg (2.2 lb) pot + 250 g (0.55 lb) of catalyst |                    |            |           | 1.5 (3.31)     | 3.2 (195)        | 1    | 500154         |
|                                                     | Fire retardant fiber — 1 kg (2.2 lb) bog        |                    |            |           | 1.5 (3.31)     | 8.0 (488)        | 1    | 500155         |