

# Conduit Fittings: Stopping Plug, DSP Series

Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



## Application

The DSP stopping plugs are used for sealing or closing unused threaded entries of flameproof enclosures.

## Specification

- Body : Aluminium or Brass  
(optional nickel-plated brass)
- Thread seal : Nylon (PA6)  
(for metric threads only)



Brass

Nickel-plated brass

Metric threads

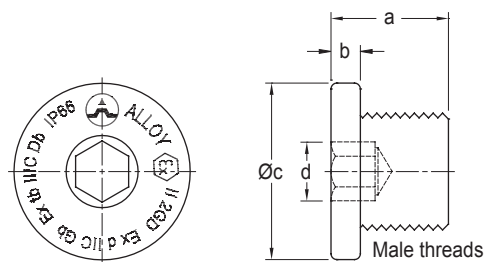


Brass

Nickel-plated brass

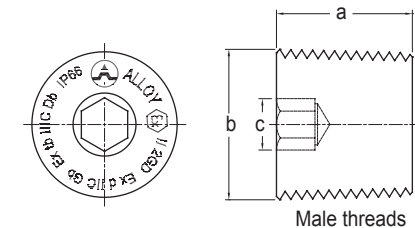
NPT threads

Metric threads



Male threads

NPT threads



Male threads

## Technical Data

|                                 |                                                                                       |                      |
|---------------------------------|---------------------------------------------------------------------------------------|----------------------|
| <b>Hazardous Area</b>           | <b>Gas</b>                                                                            | <b>Dust</b>          |
| <b>Zones</b>                    | <b>1 &amp; 2</b>                                                                      | <b>21 &amp; 22</b>   |
| <b>Equipment Group/Category</b> | <b>II 2G</b>                                                                          | <b>II 2D</b>         |
| <b>Symbol of Protection</b>     | <b>Ex d IIC Gb</b>                                                                    | <b>Ex tb IIIC Db</b> |
| <b>Certificate</b>              | <b>LCIE 13 ATEX 3046U</b><br><b>IECEx LCIE 13.0028U</b>                               |                      |
| <b>T Rating</b>                 | Temperature class of enclosure to which will be connected.                            |                      |
| <b>Conformity to Standards</b>  | EN IEC 60079-0, EN 60079-1, EN IEC 60079-31<br>IEC 60079-0, IEC 60079-1, IEC 60079-31 |                      |
| <b>Ambient Temperature</b>      | -20°C to +75°C                                                                        |                      |
| <b>Index of Protection</b>      | IP66                                                                                  |                      |

## Catalogue Number Logic

|                         |                         |                    |                               |
|-------------------------|-------------------------|--------------------|-------------------------------|
| <b>DSP</b>              | -                       | -                  | -                             |
| <b>Series</b>           | <b>Entry threads</b>    | <b>Material</b>    | <b>Option (brass only)</b>    |
| <b>M</b> Metric threads | <b>M</b> Metric threads | <b>A</b> Aluminium | <b>NI</b> Nickel-plated brass |
| <b>N</b> NPT threads    | <b>N</b> NPT threads    | <b>B</b> Brass     |                               |

## Ordering Requirements and Dimensions

### Metric threads

| Cat. No. | Entry threads (Male) | Dimensions in mm |     |       |      | Approx. weight (kg) |       |
|----------|----------------------|------------------|-----|-------|------|---------------------|-------|
|          |                      | a                | b   | c     | d    | Aluminium           | Brass |
| DSP-M0   | M16x1.5              | 20.0             | 5.0 | 25.0  | 10.0 | 0.011               | 0.035 |
| DSP-M1   | M20x1.5              | 20.0             | 5.0 | 30.5  | 10.0 | 0.019               | 0.059 |
| DSP-M2   | M25x1.5              | 20.0             | 5.0 | 36.0  | 10.0 | 0.030               | 0.092 |
| DSP-M3   | M32x1.5              | 20.0             | 5.0 | 42.5  | 16.0 | 0.044               | 0.132 |
| DSP-M4   | M40x1.5              | 20.0             | 5.0 | 51.0  | 16.0 | 0.070               | 0.222 |
| DSP-M5   | M50x1.5              | 20.0             | 5.0 | 59.0  | 16.0 | 0.107               | 0.341 |
| DSP-M6   | M63x1.5              | 20.0             | 5.0 | 72.0  | 16.0 | 0.172               | 0.550 |
| DSP-M7   | M75x1.5              | 20.0             | 5.0 | 84.0  | 16.0 | 0.241               | 0.774 |
| DSP-M8   | M80x2.0              | 25.0             | 5.0 | 89.0  | 24.0 | 0.330               | 1.058 |
| DSP-M9   | M90x2.0              | 25.0             | 5.0 | 99.0  | 24.0 | 0.421               | 1.350 |
| DSP-M10  | M100x2.0             | 25.0             | 5.0 | 109.0 | 24.0 | 0.523               | 1.677 |

### NPT threads

| Cat. No. | Entry threads (Male) | Dimensions in mm |        |      | Approx. weight (kg) |       |
|----------|----------------------|------------------|--------|------|---------------------|-------|
|          |                      | a                | b      | c    | Aluminium           | Brass |
| DSP-N1   | 1/2" NPT             | 19.85            | 21.96  | 10.0 | 0.012               | 0.043 |
| DSP-N2   | 3/4" NPT             | 20.15            | 27.29  | 10.0 | 0.024               | 0.078 |
| DSP-N3   | 1" NPT               | 25.01            | 34.16  | 16.0 | 0.046               | 0.144 |
| DSP-N4   | 1-1/4" NPT           | 25.62            | 42.92  | 16.0 | 0.083               | 0.259 |
| DSP-N5   | 1-1/2" NPT           | 26.04            | 49.02  | 16.0 | 0.112               | 0.349 |
| DSP-N6   | 2" NPT               | 26.88            | 61.08  | 16.0 | 0.187               | 0.628 |
| DSP-N7   | 2-1/2" NPT           | 39.91            | 74.11  | 24.0 | 0.421               | 1.350 |
| DSP-N8   | 3" NPT               | 41.50            | 89.99  | 24.0 | 0.663               | 1.124 |
| DSP-N9   | 3-1/2" NPT           | 42.77            | 102.69 | 24.0 | 0.901               | 2.890 |
| DSP-N10  | 4" NPT               | 44.04            | 115.39 | 24.0 | 1.181               | 3.784 |