



# PRODUCT TYPE SPMH\*NE

## Non-Metallic Dome Head Stopping Plug

Ex eb : Ex ta : IP66 : IP68



### PRODUCT DESCRIPTION

"SPMH\*NE" Series Certified Non-Metallic Stopping (Blanking) Plugs provide a method of sealing unused entries in Ex equipment. They maintain Ex eb and Ex ta methods of protection and IP66, IP68 for IEC type applications.

### COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-7, EN 60079-31  
IEC 60079-0, IEC 60079-7, IEC 60079-31 & IEC 60529

EXAMPLE PART NUMBERING:  
SPMHNE/M20

|            |  |
|------------|--|
| <b>SP</b>  | Stopping (Blanking) Plug                     |
| <b>MH</b>  | Dome (Mushroom) Head                         |
| <b>1</b>   | No IP O-ring(O) - Nitrile (1) - Silicone (3) |
| <b>N</b>   | Nylon  |
| <b>E</b>   | Ex eb and Ex ta certification                |
| <b>M20</b> | Male Thread                                  |

OPTIONAL ACCESSORIES:

|                   |   |
|-------------------|---|
| <b>LOCKNUT</b>    | Nylon (ACNLN) / Brass (ACBLN) / Stainless Steel (ACSLN) |
| <b>IP WASHERS</b> | Nylon [N] (ACNSW) / Fibre [J] (ACFSW)                   |

|                               |  |
|-------------------------------|--|
| <b>IP RATING:</b>             | IP66 & IP68 (100 metres for 7 days)  |
| <b>OPERATING TEMPERATURE:</b> | O-ring - None -25°C to +130°C<br>O-ring - Nitrile -25°C to +100°C<br>O-ring - Silicone -25°C to +130°C |
| <b>MATERIALS:</b>             | Nylon  |
| <b>IMPACT RESISTANCE:</b>     | 7J*  |

CERTIFICATION:

|                     |  |
|---------------------|--|
| <b>UKEX</b>         | II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da |
| <b>ATEX</b>         | II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da |
| <b>IECEX</b>        | Ex eb IIC Gb / Ex ta IIIC Da             |
| <b>EAC</b>          | 1Ex e IIC Gb X / Ex ta IIIC Da X         |
| <b>UKRAINE</b>      | II 2G Ex eb IIC Gb / II 1D Ex ta IIIC Da |
| <b>CCC - China</b>  | Ex e IIC Gb / Ex tD A20                  |
| <b>CCoE - India</b> | Ex eb IIC Gb / Ex ta IIIC Da             |
| <b>ABS</b>          | Specified ABS Rules                      |
| <b>LLOYD'S</b>      | Ex eb IIC Gb / Ex ta IIIC Da             |

CERTIFICATION No:

|                     |                            |
|---------------------|----------------------------|
| <b>UKEX</b>         | CML 21UKEX3045X            |
| <b>ATEX</b>         | CML 17ATEX3256X            |
| <b>IECEX</b>        | IECEX CML 17.0145X         |
| <b>EAC</b>          | TC RU C-GB.BH02.B.00693-18 |
| <b>UKRAINE</b>      | CLJ 18.0320 X              |
| <b>CCC - China</b>  | 2021312313000374           |
| <b>CCoE - India</b> | PESO P494321/1             |
| <b>ABS</b>          | 20-LD1944057-PDA           |
| <b>LLOYD'S</b>      | LR2124442TA                |

STOPPING PLUG INFORMATION TABLE  
(ALL DIMENSIONS IN mm)

| ISO Metric Thread | Hex Socket A/F | Thread Length | Overall Length | Weight (Kgs) | NPT Thread | Hex socket A/F | Thread Length | Overall Length | Weight (Kgs) |
|-------------------|----------------|---------------|----------------|--------------|------------|----------------|---------------|----------------|--------------|
| M16*              | 8.0            | 15.0          | 21.0           | 0.005        | 1/2"       | 10.0           | 15.0          | 21.0           | 0.010        |
| M20               | 10.0           | 15.0          | 21.0           | 0.007        | 3/4"       | 12.0           | 15.0          | 21.0           | 0.015        |
| M25               | 12.0           | 15.0          | 21.0           | 0.011        | 1"         | 14.0           | 15.0          | 21.0           | 0.022        |
| M32               | 12.0           | 15.0          | 21.0           | 0.019        | 1 1/4"     | 19.0           | 15.0          | 21.0           | 0.032        |
| M40               | 14.0           | 15.0          | 21.0           | 0.028        | 1 1/2"     | 19.0           | 15.0          | 21.0           | 0.036        |
| M50               | 19.0           | 15.0          | 21.0           | 0.265        | 2"         | 19.0           | 15.0          | 21.0           | 0.052        |
| M63               | 19.0           | 15.0          | 21.0           | 0.058        |            |                |               |                |              |
| M75               | 19.0           | 15.0          | 21.0           | 0.071        |            |                |               |                |              |

Head Diameter = Minimum 5.5mm larger than the major thread diameter.

NOTES

- Assembly instructions must be read prior to installation and adhered to in full.
- The standard O-ring material is nitrile. Other options are available upon request.
- When selecting IP Washer material for use with plugs, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
- Where approval in addition to ATEX and IECEX is required, this must be clearly requested at time of enquiry / order.
- \* Size M16 Stopping Plugs are only suitable for use in areas of low risk of mechanical impact