

# Metallic Dome Head & Hex Head Stopping Plugs - NPT

Ex eb : Ex ta : IP66 : IP68 : AEx eb : AEx ta



## PRODUCT DESCRIPTION

"SPMH & SPHH - NPT" Series Certified Metallic Stopping (Blanking) Plugs provide a method of sealing unused entries in Ex equipment. They maintain Ex eb method of protection and IP66, IP68 for IEC type applications. They are Class 1 Zone 1 approved for NEC and CEC type applications whilst also maintain Type 4X/6P rating.

## COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-7  
IEC 60079-0, IEC 60079-7 & IEC 60529  
C22.2 (see certificate), UL514B, ANSI/UL 60079-0/7, UL 50E

### CERTIFICATION:

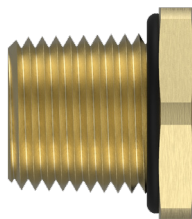
UKEX	I M2 II 1D 2G Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
ATEX	I M2 II 1D 2G Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
IECEX	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
CEC - Canada	Ex eb IIC Gb / Ex ta IIIC Da Type 4X/6P
NEC - USA	Class I Zone 1 AEx eb IIC Gb / AEx ta IIIC Da Type 4X/6P
EAC	PB Ex eb I Mb X / 1Ex eb IIC Gb X / Ex ta IIIC Da X
INMETRO - Brazil	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
CCC - China	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
UKRAINE	I M2 II 2GD Ex eb IIC Gb / Ex ta IIIC Db
CCoE - India	Ex eb I Mb / Ex eb IIC Gb
ECAS-Ex	Ex eb I Mb / Ex eb IIC Gb
ABS	Specified ABS Rules
LLOYD'S	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da
DNV	Ex eb I Mb / Ex eb IIC Gb / Ex ta IIIC Da

### CERTIFICATION No:

UKEX	CML 21UKEX1039X
ATEX	CML 19ATEX1089X
IECEX	IECEX CML 19.0022X
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	RU C-GB.AX58.B.05106/24
INMETRO - Brazil	NCC 13.2189 X
CCC - China	2021312313000377
UKRAINE	CLJ 18.0320 X
CCoE - India	PESO P494321/2
ECAS-Ex	25-06-153223/E25-06-159811/NB0007
ABS	25-0158110-PDA
LLOYD'S	LR2124442TA
DNV	TAE00004XK

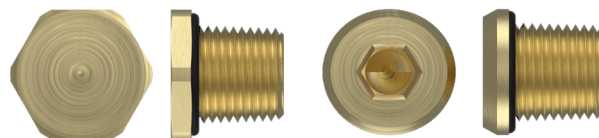
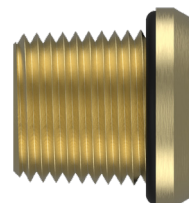
### SPHH INFORMATION TABLE (ALL DIMENSIONS IN mm)

NPT Thread	A/F	Overall Length	Weight (Kgs)
1/4"	20.0	19.1	0.029
3/8"	24.0	19.3	0.045
1/2"	27.9	24.4	0.076
3/4"	33.0	24.7	0.118
1"	41.3	30.0	0.225
1 1/4"	50.0	31.1	0.379
1 1/2"	57.2	31.5	0.499
2"	70.0	32.9	0.814
2 1/2"	80.0	46.4	1.671
3"	106.4	49.5	2.652
3 1/2"	114.3	50.8	3.566
4"	127.0	52.0	4.602



### SPMH INFORMATION TABLE (ALL DIMENSIONS IN mm)

NPT Thread	Hex Socket A/F	Overall Length	Weight (Kgs)
1/4"	6.0	20.6	0.027
3/8"	8.0	20.8	0.041
1/2"	10.0	25.4	0.062
3/4"	12.0	25.7	0.125
1"	12.0	30.5	0.202
1 1/4"	14.0	31.1	0.337
1 1/2"	17.0	31.5	0.451
2"	17.0	32.4	0.743
2 1/2"	19.0	45.4	1.499
3"	22.0	47.0	2.310
3 1/2"	22.0	48.3	3.133
4"	22.0	49.5	4.086



### EXAMPLE PART NUMBERING: SPMHBE/NP/050NPT

SP	Stopping (Blanking) Plug
MH	Dome (Mushroom) Head (MH) / Hex Head (HH)
1	No IP O-ring (O) - Nitrile (1) - Silicone (3)
B	Brass (B) - Stainless Steel (S) - Aluminium (A)
E	Ex eb Certification
K-V-H	Locknut & Nylon (K), Fibre (V) or PTFE (H) IP Washer
T	Including Earth Tag
S	Including Serrated Washer
1	Quantity per kit
NP	Nickel Plated
050NPT	Male Thread

### OPTIONAL ACCESSORIES:

Locknut (L)	Brass (ACBLN) / St-Steel (ACSLN) / Aluminium (ACALN)
Earth Tag (T)	Brass (ACBET) / St-Steel (ACSET) / Aluminium (ACAET)
IP WASHERS	Nylon (N) / Fibre (J) / PTFE (Z)
Serrated Washer	Stainless Steel (S)

IP RATING:	IP66, IP68 (100m for 7 days) & Type 4X/6P
OPERATING TEMPERATURE:	O-ring - None -100°C to +400°C O-ring - Nitrile -30°C to +100°C O-ring - Silicone -60°C to +200°C
MATERIALS:	Brass, Stainless Steel or Aluminium
PLATING:	Electroless Nickel

## Male threads are manufactured in accordance with:-

- NPT and NPS threads are in accordance to ANSI B1.20.1
- ISO Pipe Taper to ISO 7-1 and BS21 (BSPT, Gc, Gk, Rk, PT & Kmpy 6)

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.
- Where applicable, the standard O-ring material is nitrile. Other options are available upon request.
- Aluminium versions are not suitable for Group I Mining applications.
- As per EN/IEC 60079-1 2014 Annex C SPMH / SPHH Stopping Plugs with tapered threads are not marked or intended for use in Ex db applications.
- Only products with Metric and NPT threads are marked with CSA approval.
- Brass product is not marked or intended to be used in Class I Division 1 installations.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. We usually incorporate a thread run out according to the general machining techniques and will not have a full form thread for the entire length. Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- Where approval in addition to UKEX, ATEX, IECEx and CSA is required, this must be clearly requested at time of enquiry / order.