

Peppers Cable Glands Limited

Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom
 Telephone: +44 (0) 1276 64232
 Facsimile: +44 (0) 1276 691752
 Email: sales@peppers.co.uk



Accessories:- Stopping Plugs - Type SPMH



Including type No's:

S	P	M	H	*
				S
				A

SPMH Series Dual Certified Metallic Dome Head Stopping Plugs provide a method of filling unused entries in Ex equipment while maintaining Flameproof Exd and Increased Safety Exe methods of explosion protection and IP66, 68 for IEC type applications. Class I, Division 2 and NEMA 4X, 6P for NEC/CEC type applications.

CERTIFICATION	CENELEC SIRAO0ATEX1094 I M2 II 2DG E Ex de IandIIC SIRAO0ATEX1094 II 2DG E Ex de IIC (Aluminium) CSA / A Ex Class I, Zone 1, Ex de IandIIC Class I, Division 1and2 ABCD Class II EFG, Class III GOST R-Exde IIC POCC GB MTT14.B00030 IECEx Ex d IIC / Ex e II / Ex d I IECEx SIR 05.0042U	
INGRESS PROTECTION	IP66 68, CSA Enclosure Type (NEMA) 4X 6P	
IMPACT RESISTANCE	20Nm (7Nm Aluminium)	
OPERATING TEMPERATURES	Nitrile 'O' Ring -30°C to +100°C Silicone 'O' Ring -50°C to +180°C	
MATERIALS	Brass CZ121 (SPMH) 316 Stainless Steel (SPMHS) Aluminium Alloy (SPMHA)	
THREADS	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG	
SEALS	The standard 'O' Ring material is Nitrile	
PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)	
EXAMPLE PART NUMBER	Sample: SPMH/NP/M20 SPMH - Stopping Plug type and body material (Brass) NP - Nickel plating M20 - Male thread size	

SIZES AVAILABLE AND DIMENSIONAL REFERENCES							
Metric	Dim Ref	NPT	Dim Ref	ISO Pipe	Dim Ref	PG	
M16	B					7	A
M20	C	1/2"	D	1/2"	D	9	B
M25	C	3/4"	D	3/4"	D	11	C
M32	C	1"	F	1"	D	13.5	C
M40	C	1 1/4"	F	1 1/4"	D	16	C
M50	C	1 1/2"	F	1 1/2"	D	21	C
M63	C	2"	F	2"	D	29	C
M75	C	2 1/2"	G	2 1/2"	D	36	C
M80 x 2.0	E	3"	G	3"	D	42	C
M85 x 2.0	E	3 1/2"	G			48	C
M90 x 2.0	E	4"	G				
M100 x 2.0	E						

DIMENSIONS							
Dimension Reference	A	B	C	D	E	F	G
Head Diameter	Minimum 6.0mm larger than the major thread diameter						
Hex Socket A/F	6.0	8.0	10.0	10.0	10.0	10.0	10.0
Total Length	21.5	21.5	21.5	24.5	25.5	29.0	39.0
Thread Length	16.0	16.0	16.0	19.0	22.0	23.5	33.5

All Dimensions are in Millimetres

NOTES:

- SPMH type stopping plugs are designed for use within either clearance holes or parallel threaded entries, for taper threaded entries we would recommend the use of SPA type stopping plugs
- Full installation instructions are supplied with stopping plugs, the instructions must be read prior to installation and adhered to in full
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- For Flameproof Exd applications the female thread into which the stopping plug is to be fitted must comply with clause 5.3 of EN 50018:2000 (clause 5.3 IEC 79-1)
- For NEC/CEC Explosion Proof applications an engagement of at least 8 full threads must be achieved for parallel threads and 5 full threads must be achieved for tapered threads
- Where metallic stopping plugs are fitted into non-metallic Increased Safety Exe enclosures they must be included within the earth circuit of the system
- When ordering one needs to specify if IECEx or ATEX certification is required. ATEX versions are supplied as standard.

Peppers Cable Glands Limited

Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom
 Telephone: +44 (0) 1276 64232
 Facsimile: +44 (0) 1276 691752
 Email: sales@peppers.co.uk



Accessories:- Stopping Plugs - Type SPMHN



SPMHN Series Glass Filled Nylon Dome Head Stopping Plugs provide a method of filling unused entries in increased safety equipment, maintaining Increased Safety Exe methods of explosion protection and IP66, 68 for IEC type applications.

CERTIFICATION	CENELEC SIRAOATEX3091 II 2DG E Exe II CSA / A Ex Class I, Zone 1, Ex e II Class I, Division 2 ABCD Class II EFG, Class III	
INGRESS PROTECTION	IP66 68, CSA Enclosure Type (NEMA) 4X 6P	
IMPACT RESISTANCE	7Nm	
OPERATING TEMPERATURES	Nitrile 'O' Ring -30°C to +100°C Silicone 'O' Ring -50°C to +125°C	
MATERIALS	30% Glass Filled Nylon (SPMHN)	
THREADS	ISO Metric; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG	
SEALS	The standard 'O' Ring material is Nitrile	
EXAMPLE PART NUMBER	Sample: SPMHN/M20 SPMHN - Stopping Plug type and body material (Nylon) M20 - Male thread size	

SIZES AVAILABLE AND DIMENSIONAL REFERENCES

Metric	Dim Ref	NPT	Dim Ref	PG	Dim Ref
M16	B			7	A
M20	C	1/2"	C	9	B
M25	C	3/4"	C	11	C
M32	C	1"	C	13.5	C
M40	C	1 1/4"	C	16	C
M50	C	1 1/2"	C	21	C
M63	C	2"	C	29	C
M75	C	2 1/2"	C	36	C
				42	C
				48	C

DIMENSIONS

Dimension Reference	A	B	C
Head Diameter	Minimum 6.0mm larger than the major thread diameter		
Hex Socket A/F	6.0	8.0	10.0
Total Length	21.5	21.5	21.5
Thread Length	16.0	16.0	16.0

All Dimensions are in Millimetres

NOTES:

- SPMHN type stopping plugs are designed for use within either clearance holes or parallel threaded entries, for taper threaded entries we would recommend the use of SPA type stopping plugs
- Full installation instructions are supplied, the instructions must be read prior to installation and adhered to in full
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch

ibemo Kazakhstan - 090301 Republic of Kazakhstan, West Kazakhstan Oblast, Aksai, Pramzone, BKKS office complex
 Phone: +7 71133 93077; Fax: +7 71133 93074; E-Mail: info@ibemo-kz.com

Peppers Cable Glands Limited

Stanhope Road, Camberley, Surrey, GU15 3BT United Kingdom
 Telephone: +44 (0) 1276 64232
 Facsimile: +44 (0) 1276 691752
 Email: sales@peppers.co.uk



Accessories:- Stopping Plugs - Type SPA or SPB



Including type No's:

S	P	*	*
		A	B
		B	S
			A

SPA or SPB Series Certified Metallic Stopping Plugs provide a method of filling unused entries in Ex equipment, maintaining Flameproof Exd method of explosion protection and IP54 for IEC type applications. Class I, Division 1 and NEMA 3 for NEC/CEC type applications.

SPA Type - Externally accessible hexagon recess
 SPB Type - Internally accessible hexagon recess

CERTIFICATION	CENELEC SIR A99ATEX1113 II 2DG E Ex d IIC CSA / A Ex Class I, Zone 1, Ex d IIC Class I, Division 1 & 2 ABCD Class II EFG, Class III IECEx Ex d IIC IECEx SIR 05.0042U	
INGRESS PROTECTION	IP54, CSA Enclosure Type (NEMA) 3	
IMPACT RESISTANCE	7Nm	
OPERATING TEMPERATURES	-100°C to +600°C	
MATERIALS	Brass CZ121 (SPAB, SPBB) 316 Stainless Steel (SPAS, SPBS) Aluminium Alloy (SPAA, SPBA)	
THREADS	ISO Metric; ET; NPT; NPS; ISO Pipe Thread (BSP Taper, BSP Parallel); PG	
PLATING	Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN)	
EXAMPLE PART NUMBER	Sample: SPAB/NP/M20 SPA - Stopping Plug type (Externally accessible hexagon recess) B - Body material (Brass) NP - Nickel plating M20 - Male thread size	

SIZES AVAILABLE AND DIMENSIONAL REFERENCES							
Metric	Dim Ref	NPT	Dim Ref	ISO Pipe	Dim Ref	PG	
M16	B					7	A
M20	C	1/2"	D	1/2"	F	9	B
M25	C	3/4"	D	3/4"	F	11	C
M32	C	1"	E	1"	H	13.5	C
M40	C	1 1/4"	E	1 1/4"	H	16	C
M50	C	1 1/2"	E	1 1/2"	H	21	C
M63	C	2"	E	2"	H	29	C
M75	C	2 1/2"	G	2 1/2"	H	36	C
M80 x 2.0	G	3"	G	3"	H	42	C
M85 x 2.0	G	3 1/2"	G			48	C
M90 x 2.0	G	4"	G				
M100 x 2.0	G						

DIMENSIONS								
Dimension Reference	A	B	C	D	E	F	G	H
Hex Socket A/F	6.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0
Length (min)	16.0	17.0	17.0	14.0	16.0	18.0	22.0	25.0

All Dimensions are in Millimetres

NOTES:

- Full installation instructions are supplied with stopping plugs, the instructions must be read prior to installation and adhered to in full
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- For Flameproof Exd applications the female thread into which the stopping plug is to be fitted must comply with clause 5.3 of EN 50018:2000 (clause 5.3 IEC 79-1)
- For NEC/CEC Explosion Proof applications an engagement of at least 8 full threads must be achieved for parallel threads and 5 full threads must be achieved for tapered threads