



REFERENCE NUMBER: 7.2.1

EXAMPLE PART NUMBERING:  
SPA0BD/NP/M20

<b>SP</b>	Stopping (Blanking) Plug
<b>A</b>	Type A External Fixing (A) - Type B Internal Fixing (B)
<b>0</b>	No IP O-ring
<b>B</b>	Brass (B) - Stainless Steel (S) - Aluminium (A)
<b>D</b>	Ex d & Ex e certification including Marine Approvals
<b>NP</b>	Nickel Plated
<b>M20</b>	Male Thread

<b>IP RATING:</b>	IP66 & NEMA 4X
<b>OPERATING TEMPERATURE:</b>	O-ring - None    -100°C to +400°C
<b>MATERIALS:</b>	Brass, Stainless Steel or Aluminium
<b>PLATING:</b>	Electroless Nickel

### Male threads are manufactured in accordance with:-

- ISO Metric threads to ISO 965-1, ISO 965-3, BS3643 and IEC 60423
- NPT and NPS threads are in accordance to ANSI B1.20.1
- PG threads to DIN40430
- ET threads to Imperial Conduit BS31
- ISO Pipe Parallel to ISO 228 and BS2779 (BSPP, G, R, PF & Tpy 6)
- ISO Pipe Taper to ISO 7-1 and BS21 (BSPT, Gc, Gk, Rk, PT & Kmpy 6)

STOPPING PLUG INFORMATION TABLE  
(ALL DIMENSIONS IN mm)

ISO Metric Thread	Hex Socket A/F	Overall Length	Weight Kgs	NPT Thread	Hex Socket A/F	Overall Length	Weight Kgs
M12	6.0	17.0	0.011	1/4"	6.0	11.2	0.009
M16	8.0	17.0	0.025	3/8"	8.0	11.3	0.030
M20	10.0	17.0	0.035	1/2"	10.0	14.5	0.030
M25	12.0	17.0	0.060	3/4"	12.0	14.8	0.050
M32	12.0	17.0	0.105	1"	12.0	18.5	0.110
M40	14.0	17.0	0.170	1-1/4"	14.0	19.1	0.180
M50	17.0	17.0	0.265	1-1/2"	17.0	19.5	0.250
M63	17.0	17.0	0.450	2"	17.0	20.5	0.430
M75	19.0	17.0	0.600	2-1/2"	19.0	30.5	0.930
M80	22.0	22.0	0.750	3"	22.0	32.1	1.490
M85	22.0	22.0	0.880	3-1/2"	22.0	33.4	2.060
M90	22.0	22.0	0.940	4"	22.0	34.7	2.760
M100	22.0	22.0	1.030				

NOTES

- Assembly instructions must be read prior to installation and adhered to in full.
- For Ex d applications female threads must comply with clause 5.3 of IEC 60079-1.
- ATEX / IECEx versions are supplied as standard.
- Additional approvals must be requested at time of order.
- Aluminium versions are not suitable for Group I Mining applications.

### PART NUMBERS:

SP	A	0	B	D
	B		S	
			A	



### PRODUCT DESCRIPTION

"SP" Series Certified Metallic Stopping (Blanking) Plugs provide a method of sealing unused entries in Ex equipment. They maintain Ex d, Ex e and Ex tb methods of protection and IP66 for IEC type applications. They are Class I Division 1, Class II Division 1, Class II and Class 1 Zone 1 approved for NEC and CEC type applications whilst also maintain Type 4X rating.

### COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31  
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & 60529  
C22.2 (see certificate), UL514B, UL1203, ANSI/UL 60079-0/17, ISA 60079-31, UL 50E

CERTIFICATION:

<b>ATEX</b>	I M2 II 2GD Exd I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb Ex tb IIIC Db II
<b>IECEX</b>	Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex tb IIIC Db II
<b>CEC - Canada</b>	Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 Ex d IIC / Ex e IIC Class II Zone 21 Ex tb IIIC
<b>NEC - USA</b>	Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb Class II Zone 21 AEx tb IIIC Db
<b>EAC</b>	PB Ex d I Mb / 1Ex d IIC Gb / PII Ex e I Mc / 1Ex e II Gb X / Ex tb IIIC Db X
<b>INMETRO - Brazil</b>	Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex tb IIIC Db
<b>SAC - China</b>	Ex d IIC Gb / Ex e IIC Gb
<b>UKRAINE</b>	Ex d IU / Ex d IICU / Ex e IU / Ex e IIU
<b>CCoE - India</b>	Ex d IIC Gb / Ex e IIC Gc
<b>ABS</b>	Specified ABS Rules
<b>LLOYD'S</b>	Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex tb IIIC Db
<b>RMRS</b>	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex tb IIC

CERTIFICATION No:

<b>ATEX</b>	SIRA 09ATEX1320X
<b>IECEX</b>	IECEX SIR 09.0131X
<b>CEC - Canada</b>	CSA 2310046
<b>NEC - USA</b>	CSA 2310046
<b>EAC</b>	TC RU C-GB.BH02.B.00693-18
<b>INMETRO - Brazil</b>	NCC 13.2189 X
<b>SAC - China</b>	NEPSI GYJ16.1406X
<b>UKRAINE</b>	UA.TR.047.C.0408-13 & 2937
<b>CCoE - India</b>	PESO P365300/7
<b>ABS</b>	14-LD1183401-PDA
<b>LLOYD'S</b>	10/00056(E1)
<b>RMRS</b>	14.02755.315

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