

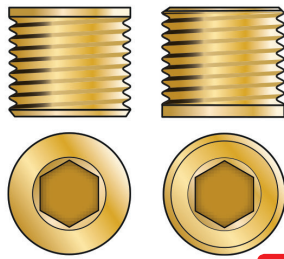


PRODUCT TYPE SPA & SPB

Metallic Stopping Plugs

Ex d : Ex e : Ex tb : IP66 : Class I Div 1 : AEx e : AEx tb

TYPE
SPA
EXTERNAL
FIXING



TYPE
SPB
INTERNAL
FIXING

REFERENCE NUMBER: 7.2.1

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 60079-0/1/7, ISA 60079-31, UL 50E

EXAMPLE PART NUMBERING:
SPA0BD/NP/M20

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

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

CERTIFICATION:

ATEX	I M2 II 2GD Exd I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb Ex tb IIIC Db II
IECEX	Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex tb IIIC Db II
CEC - Canada	Class I Zone 1 Ex d IIC / Ex e IIC / Class II Zone 21 Ex tb IIIC Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X
NEC - USA	Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb / Class II Zone 21 AEx tb IIIC Db Class I Division 1, Groups A, B, C & D Class II Division 1, Groups E, F & G Class III, Enclosure Type 4X
EAC	Exd IU / Exd IICU / Exe IU / Exe IICU / ExnR IICU
INMETRO - Brazil	Ex d I Mb / Ex d IIC Gb / Exe I Mb / Ex e IIC Gb / Ex tb IIIC Db
SAC - China	Ex d IIC / Ex e IIC
UKRAINE	Exd IU / Exd IICU / Exe IU / Exe IICU
CCoE - India	Ex d IIC Gb / Ex e IIC Gc
ABS	Specified ABS Rules
LLOYD'S	Enclosure Systems (Part 1B)
RMRS	Part XI of Rules for sea-going ships (ed.2014)

CERTIFICATION No:

ATEX	SIRA 09ATEX1320X
IECEX	IECEX SIR 09.0131X
CEC - Canada	CSA 2310046
NEC - USA	CSA 2310046
EAC	RU C-GB.ГБ06.В.00098
INMETRO - Brazil	NCC 13.2189 X
SAC - China	NEPSI GYJ16.1406X
UKRAINE	UA.TR.047.C.0408-13 & 2937
CCoE - India	PESO P365300/7
ABS	14-LD1183401-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

STOPPING PLUG INFORMATION TABLE
(ALL DIMENSIONS IN mm)

ISO Metric Thread	Hex Socket A/F	Overall Length	Weight	NPT Thread	Hex socket A/F	Overall Length	Weight
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.