

PLUGS – HEXAGON HEAD, DOME HEAD & STOPPER

Class I / II / III Div. 1, 2;
Class I / II / III Zone 1 & Zone 20



Stopper Plugs

Hexagon head

Dome Head

Features and Benefits

- Used to blank off threaded entry holes.
- Hexagon Head and Dome Head Plugs with metric threads are supplied with sealing gaskets.
- Stopper plugs are available in standard and reversed (security) forms. (Tightened from inside the enclosure)

Technical Data

Product:	Plugs. (Hexagon Head, Dome Head & Stopper)
Material:	Aluminium, Brass (Marine Grade Electroless Nickel Plated), Bronze PB2 (Larger sizes only Marine Grade Electroless Nickel Plated) or Stainless Steel.
Gasket:	HDPE, Nylon 66 or PTFE. (Selected according to the temperature range required)
Note:	The installer should check that the materials are suitable for the installation environment.
Temperature ranges:	When fitted with sealing gaskets the temperature range for the Plugs will be:-
Sealing gasket material	Temperature range
HDPE	-20°C or -60°C to +95°C
Nylon	-20°C or -60°C to +100°C
PTFE	-20°C or -60°C to +160°C
Note:	-20°C temperature range applies to Div. 1 & AEx db applications only

Standards and Certifications

Protection Level	NEC / CEC: Class I/II/III Div 1, Class I /III Div.2, Class II Div 2. Gr. FG, Class I Zn. 1 AEx db IIC Gb / AEx eb IIC Gb, Ex db IIC Gb / Ex eb IIC Gb, Zone 20 AEx ta IIC Da, Ex ta IIC Da In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22. IECEx: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIC Da
Conformance:	
CEC	Standard: CSA C22.2 No. 18.3-12, 174:2018 & 213:2017 Certificate: E115595
NEC	CSA C22.2 No. 60079 - 0, 1, 7, 31
IECEx	UL514B, UL121201 UL 60079 - 0, 1, 7, 31
ABS	IEC 60079 Part 0, 1, 7, 15, 31 IEC 60079 Part 0, 1, 7, 15, 31, IEC 60529 IECEx TSA 23.0024X ABS 25-016494-PDA



Specific Conditions of Use - X

- Products have a minimum IP rating of IP65 with no sealing gasket. Metric threads can have an IP rating of IP66/67/68 if fitted with the supplied sealing gasket. NPT threads can have an IP rating of IP66/67/68 if fitted using a suitable thread sealant.
- Suitable for use in indoor and outdoor locations.
- Aluminium products should not be used in a salt water / vapour atmosphere.

Product Code Structure

The product codes are made up as follows:-

1st Digit:	2nd Digit:	3rd Digit	4th to 6th Digit
P = Plug	H = Hexagon head D = Dome head S = Stopper	N = NPT thread M = Metric thread)	N = NPT thread (female) M = Metric thread (female) Thread size (see table below) followed by "E-MNA"

NPT Code	Thread Size	Metric Code	Thread Size	Product Code Structure: Example
012	½"	020	M20	PHM032E-MNA = A hexagon head plug with an M32 thread.
034	¾"	025	M25	PDN002E-MNA = A dome head plug with a 2" NPT thread.
001	1"	032	M32	
114	1¼"	040	M40	
112	1½"	050	M50	
002	2"	063	M63	
212	2½"	075	M75	
003	3"	080	M80	
312	3½"	090	M90	
004	4"	100	M100	
		115	M115	
		130	M130	

Fitting Instructions

Plugs with NPT threads should be tightened wrench tight. Plugs with metric threads should be tightened according to the table below.

Thread Size	Torque Nm / lb ft	Thread Size	Torque Nm / lb ft
M20	21 / 16	M75	72 / 53
M25	30 / 22	M80	80 / 59
M32	42 / 31	M90	89 / 66
M40	52 / 38	M100	98 / 72
M50	57 / 42	>M100	175 / 129
M63	66 / 49		

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