

PLUGS – HEXAGON HEAD, DOME HEAD & STOPPER

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



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	<p>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 IIIC Da, Ex ta IIC Da</p> <p>In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22.</p> <p>IECEx: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex ta IIIC Da</p>	
Conformance:	Standard:	Certificate:
CEC	CSA C22.2 No. 18.3-12, 174:2018 & 213:2017	E115595
NEC	CSA C22.2 No. 60079 - 0, 1, 7, 31	
IECEx	UL514B, UL121201 UL 60079 - 0, 1, 7, 31	
IECEx	IEC 60079 Part 0, 1, 7, 15, 31	IECEx TSA 23.0024X
ABS	IEC 60079 Part 0, 1, 7, 15, 31, IEC 60529	ABS 25-016494-PDA



Specific Conditions of Use - X

1. 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.
2. Suitable for use in indoor and outdoor locations.
3. 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
012	½"	020	M20
034	¾"	025	M25
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

Product Code Structure: Example

PHM032E-MNA = A hexagon head plug with an M32 thread.
PDN002E-MNA = A dome head plug with a 2" NPT thread.

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		