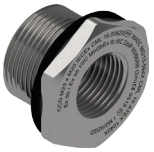
CCG CABLE TERMINATIONS

ADAPTORS AND REDUCERS

Class I / II / III Div. 1, 2;
Class I /II /III Zone 1 & Zone 21


Adaptor


Reducer

Features and Benefits

- Used to convert mismatching cable gland thread types or sizes to the required ones.
- Product with metric male threads are supplied with a sealing gasket.

Technical Data

Product:	Adaptor (female thread the same size or larger than the male thread). Reducer (female thread smaller than the male thread).
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 Adaptors and Reducers 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 / Ex db applications only

Standards and Certifications

Type	Certificate	Protection Level
NEC / CEC:	E115595	Class I/II/III Div. 1,2; Class I, Zone 1; Zone 21 AEx / Ex db IIC Gb, AEx/ Ex eb IIC Gb, Ex ta IIIC Da

In accordance with NEC/CEC the products can additionally be used in Zones 2 and 22

MET c us *Other certification types are available for this product e.g. IECEx.*

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 to 5th Digit	6th Digit	
A = Adaptor R = Reducer	N = NPT thread (female) M = Metric thread (female)	Thread size (see table below)	N = NPT thread (female) M = Metric thread (female)	Thread size (see table below) Followed by "E-MNA"

NPT Code	Thread Size
012	½ NPT
034	¾ NPT
001	1 NPT
114	1¼ NPT
112	1½ NPT
002	2 NPT
212	2½ NPT
003	3 NPT
312	3½ NPT
004	4 NPT

Metric Code	Thread Size
016	M16 x 1.5
020	M20 x 1.5
025	M25 x 1.5
032	M32 x 1.5
040	M40 x 1.5
050	M50 x 1.5
063	M63 x 1.5
075	M75 x 1.5
080	M80 x 2.0
090	M90 x 2.0
100	M100 x 2.0
115	M115 x 2.0
130	M130 x 2.0

For example:-

AN012M025E-MNA is an Adaptor with a ½ NPT male thread and an M25 female thread.
(Note that the female thread on a reducer may be any size smaller than the male thread, but the female thread on an adaptor may only be a maximum of two standard thread sizes larger than the male thread.)

Fitting Instructions

Adaptors / Reducers with NPT threads should be tightened wrench tight. Adaptors / Reducers with metric threads should be tightened according to the table below.

Thread Size	Torque Nm / lb ft
M16	21 / 16
M20	21 / 16
M25	30 / 22
M32	42 / 31
M40	52 / 38
M50	57 / 42

Thread Size	Torque Nm / lb ft
M63	66 / 49
M75	72 / 53
M80	80 / 59
M90	89 / 66
M100	98 / 72
>M100	175 / 129

Tel: South Africa +27 11 3942020/1, Australia +1300 CABLE GLANDS (1300 222 534), Hong Kong +852 3427 2090,
Singapore +65 6 8421 002, South Korea +82 51 808 1161, United Kingdom +44 1 642 430346, United Arab Emirates +971 6 552 7781

Doc. Ref. AR010719NA - 01 July 2019 (manual extract) – Note: final instructions may contain additional diagrams and information to aid in the use of the products. A/R2003325NA