



CONLOK

Traditional. **Upgraded.**

Technical Submission

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DEMON CAT 

A **metpro** Brand
Group

Innovation & Excellence in Manufacturing

The Conlok Conduit System:

BS EN 61386-1:2008+A1:2019

BS EN 61386-21:2021+A11:2021

Declaration of Conformity

Demon Cato (part of Metpro Group Limited) declare under sole responsibility that: **Conlok Malleable Boxes & Accessories** are produced to **BS EN 61386-21:2021+A11:2021 (Conduit Systems for Cable Management)** and comply with the requirements of Class 4 corrosion resistance. Further to the above, Conlok boxes can be rated to an Ingress Protection (IP) Resistance of IP30 when used in conjunction with Class 4 conduit tube, manufactured to the requirements of **BS EN 61386-1:2008+A1:2019**.

In accordance with - **The Low Voltage Directive 2014/35EU.**



Relevant SKUs

Conlok Malleable Boxes

Terminal

Size	Code	Pack
20mm	CL1G	10
25mm	CL8G	10

Through

Size	Code	Pack
20mm	CL2G	10
25mm	CL9G	10

Angle

Size	Code	Pack
20mm	CL3G	10
25mm	CL10G	10

Tee

Size	Code	Pack
20mm	CL4G	10
25mm	CL11G	10

Intersection

Size	Code	Pack
20mm	CL5G	10
25mm	CL12G	10

Branch U

Size	Code	Pack
20mm	CL6G	10
25mm	CL13G	10

Branch Y

Size	Code	Pack
20mm	CL7G	10
25mm	CL14G	10

Terminal c/w 25mm Hole in Base

Size	Code	Pack
20mm	CL15G	10

Terminal Back Outlet

Size	Code	Pack
20mm	CL16G	10

Conlok Accessories

Solid Coupler

Size	Code	Pack
20mm	CL20GC	40
25mm	CL25GC	30

Flanged Coupler

Size	Code	Pack
20mm	CL20FC	25
25mm	CL25FC	25

Adaptor

Size	Code	Pack
20mm	CL20GA	40
25mm	CL25GA	30

Solid Bend

Size	Code	Pack
20mm	CL20MB	20
25mm	CL25MB	10

Signed on behalf of Demon Cato
A Metpro Group Brand



Mr M Holmes
Product & Vendor Development Manager

Date of Issue

25th January 2022

Threaded Grub Screw Torque Test

DEMON CATO

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Threaded Grub Screw Torque Test

M4 Grub Screws used in the Conlok range of products meet the requirement of 1.2Nm of torque, as set out in BS EN 61386-21:2021+A11:2021, applied using a suitable torque screwdriver or wrench, applying a torque of 1.2Nm without sudden and jerky movements.

After the test, there shall be no damage sustained by the screw or nut such as breakage of the screw or damage to the thread that will impair further use of the screw or nut.

Testing Tool

Teng 1492SD Torque Screwdriver with a torque range of 1-5Nm.

Products Tested	Torque Specified	Torque Achieved	Result
1. Conlok Galvanised End Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised End Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised End Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised End Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Angle Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Angle Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Angle Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Angle Box	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Coupler	1.2Nm	2.0Nm	Pass
1. Conlok Galvanised Coupler	1.2Nm	2.0Nm	Pass

Date Tested

11th November 2008

Signed on behalf of Demon Cato:

.....
Mr. Michael Holmes
Product & Vendor Development Manager

FAQs

What British Standard does the Conlok system comply with?

Conlok complies with BSEN61386-21:2021+A11:2021, the same standard as traditional steel conduit systems.

Why aren't Conlok boxes shiny like your standard malleable boxes?

Our standard boxes are hot dip galvanised before threads are cut into each spout.

The process of cutting threads strips away the protective galvanising coating leaving these areas exposed to potential rust and decay. In order to mitigate this, we took the decision to apply a further zinc coating on these areas, in order to provide extra corrosion resistance and ensure the threads are not hampered. With Conlok products not requiring the need for threads, they simply do not need this additional finish meaning they are the only fully galvanised system on the market.

Does Conlok comply to the British Standard for earth continuity?

Yes. All Conlok products fully comply to the relevant standard and indeed exceeded the requirements.

Are there any vibration issues with Conlok grub screws coming loose?

No. Conlok grub screws are manufactured from 12.9 Grade steel with a cup pointed screw, designed to 'bite' through the galvanising and into steel conduit lengths.

What strength do Conlok grub screw's have to attach to steel conduit?

Conlok grub screws achieved a mass of 450N over a 48 hour period, confirming they are more than capable of carrying out the task at hand.

Is Conlok suitable for external use?

Yes. Conlok is suitable for external applications however the use of CTI Mastic Sealant around spouts is recommended for high rainfall areas.

Do Demon Cato supply male & female Conlok adaptors?

No. Demon Cato manufacture a dedicated female adaptor only. However, with the addition of a standard conduit nipple, Conlok female adaptors can be used as male adaptors.

How do you know if an electrician has tightened the grub screw?

If necessary, each Conlok box or accessory can be marked using an indelible marker, as would be done with a distribution breaker, to show it has been installed & tightened.

Are Conlok products on Luckins?

Yes. Our full product offering is available to view on the Luckins Database.

Do I need an online account to access Demon Cato data sheets and BIM files online?

No. To make things as simple as possible, all our data sheets and BIM Revit files are available for download without the need for an account at www.metpro.co.uk.



Up to **75%** Labour Savings



The Highlights



No need to thread conduit tube

With Conlok's unique built-in grub screw



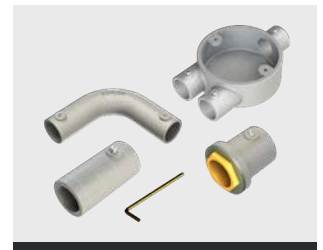
Fully galvanised system

Offering greater corrosion resistance



Fast-fix solution

Ideal for major projects where cost & safety are critical



Full range of accessories

All of the essential items for quick installations



Increased on-site safety



Compliant to the latest standards



Reduced on-site storage



Used on major UK projects

Manufactured from malleable iron with a hot dip galvanised finish (bespoke clean room finish also available - please contact us for more information)

Conforms to BS EN 61386-1:2008+A1:2019 (Conduit Systems for Cable Management)

Conforms to BS EN 61386-21:2021+A11:2021 (Conduit Systems for Cable Management - Rigid Conduit Systems)

Manufactured in accordance with the Low Voltage Directive 2014/35/EU

Conlok grub screws are manufactured from Grade 12.9 Steel

Unthreaded spouts offer enhanced corrosion resistance against more traditional products

Where Conlok is installed

A small selection of major UK projects using Conlok

Sir Chris Hoy Velodrome,
Glasgow



Tesco Extra,
Middlesbrough

BBC Fire & Security,
Derby

HMP Sites;
West Lothian
Aberdeen
Bedford
Addiewell

Edinburgh Airport,
Edinburgh

Kendrew Barracks,
Oakham

Pure Gym,
Bath Spa

Proctor & Gamble,
Manchester

Amazon,
Dublin

**Tees Rep
Biomass Power
Station,**
Glasgow

Heathrow T2,
Heathrow

Wellington Barracks,
Oakham



MOD Bicester,
Oxfordshire



DEMON CAT®

STEEL CONDUIT SYSTEM

**SEVEN YEAR
EXTENDED WARRANTY
AVAILABLE**

Contact us to
find out more



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