

TEST REPORT: S09MEC01333-02-EKH-CORR02

Date: 07 MAY 2009

Tel: +65 68851335 Fax: +65 67784301

Client's Ref: -

Email: Sihai.LI@tuv-sud-psb.sg

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SUBJECT

Testing for solid coupler hot-dipped galvanised for resistance to corrosion – high protection (IEC 61386-1 : 2008 Class 4).

CLIENT

Many Folk Enterprises Limited
Flat F, 13/F, Golden Plaza
745-7 Nathan Road, Kowloon
Hong Kong

Attn: Mr Ray Lee




SAMPLE SUBMISSION DATE

28 Jan 2009

DESCRIPTION OF SAMPLE

Three samples of solid coupler hot-dipped galvanised (3 pieces each) were received.

Sample Reference

Brand	Sample
	COT-HNC140 (20mm solid coupler).
	COT-HNC141 (25mm solid coupler).
	COT-HNC142 (32mm solid coupler).



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Testing Services
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
E-mail: testing@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
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METHOD OF TEST

IEC 61386-1 : 2008

"Conduit systems for electrical installations – Part 1 : General requirements".

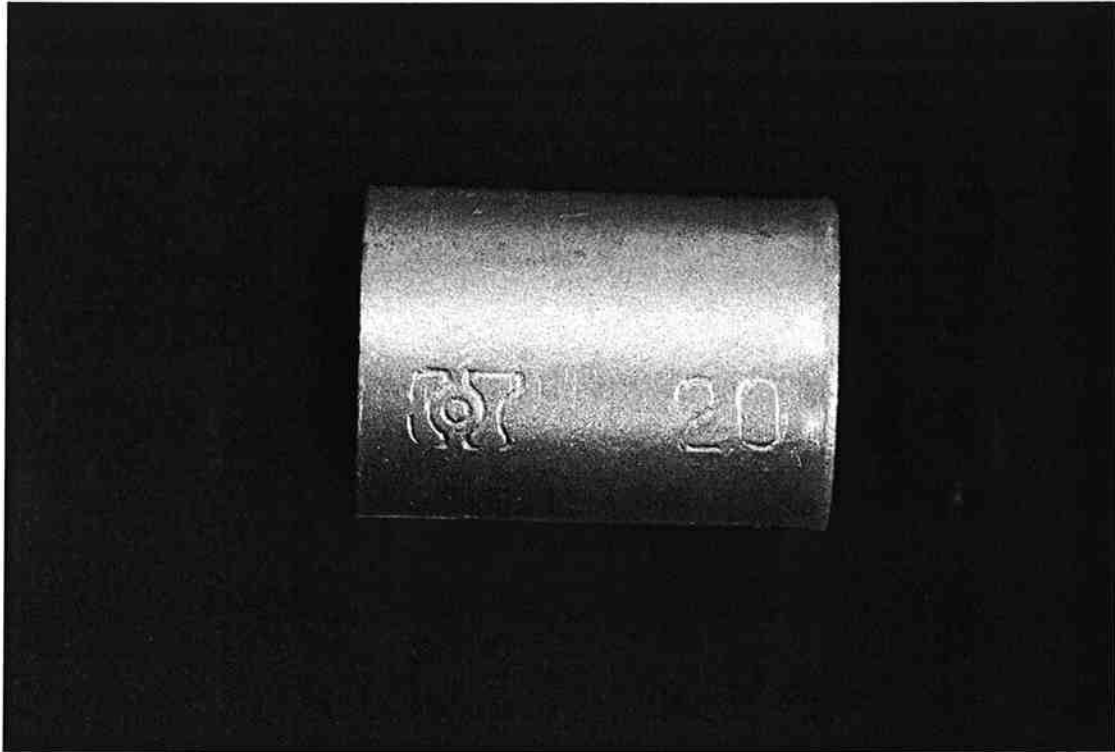
Clause 14.2.2.3 – High protection.

RESULTS

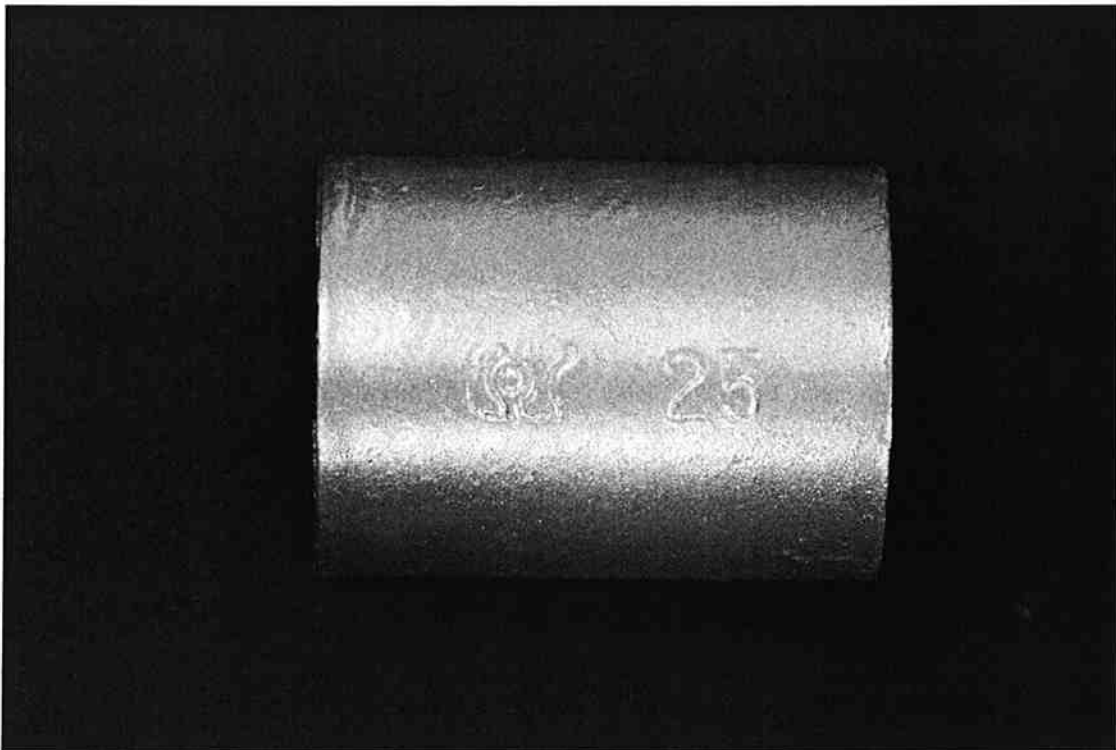
Sample	Resistance to Corrosion Test (Class 4. High protection)
	Exterior Surface
COT-HNC140	Passed
COT-HNC141	Passed
COT-HNC142	Passed

ENG KIA HEE
SENIOR TECHNICAL EXECUTIVE

DR LI SIHAI
AVP / SENIOR CHEMIST
COATINGS & INDUSTRIAL CHEMICALS
CHEMICAL & MATERIALS



COT-HNC140



COT-HNC141



COT- HNC142

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January 2008

TEST REPORT: S09MEC01334-02-EKH-CORR1

Date: 07 MAY 2009

Tel: +65 68851335 Fax: +65 67784301

Client's Ref: -

Email: Sihai.LI@tuv-sud-psb.sg



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SUBJECT

Testing for heavy distance saddle hot-dipped galvanised for resistance to corrosion – high protection (IEC 61386-1 : 2008 Class 4).

CLIENT

Many Folk Enterprises Limited
Flat F, 13/F, Golden Plaza
745-7 Nathan Road, Kowloon
Hong Kong

Attn: Mr Ray Lee




SAMPLE SUBMISSION DATE

28 Jan 2009

DESCRIPTION OF SAMPLE

Three samples of heavy distance saddle hot-dipped galvanised (3 pieces each) were received.

Sample Reference

Brand	Sample
	COT-HNSP20 (20mm heavy distance saddle).
	COT-HNSP25 (25mm heavy distance saddle).
	COT-HNSP32 (32mm heavy distance saddle).



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Singapore 118221

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E-mail: testing@tuv-sud-psb.sg
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METHOD OF TEST

IEC 61386-1 : 2008

"Conduit systems for electrical installations – Part 1 : General requirements".

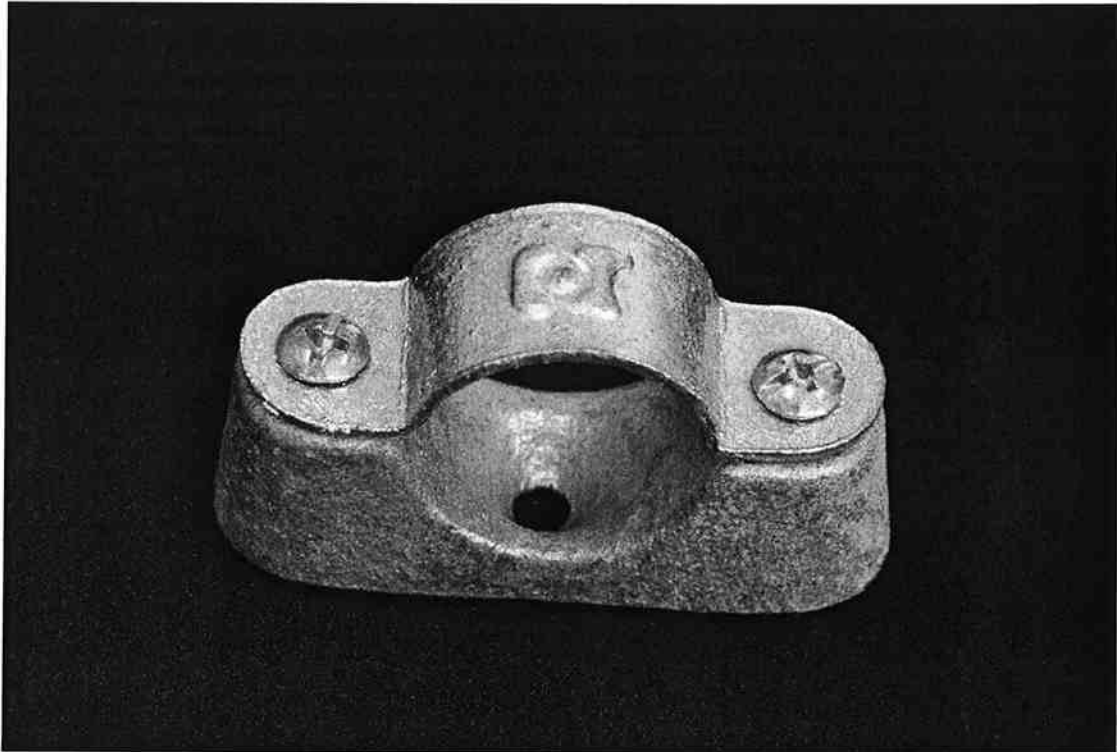
Clause 14.2.2.3 – High protection.

RESULTS

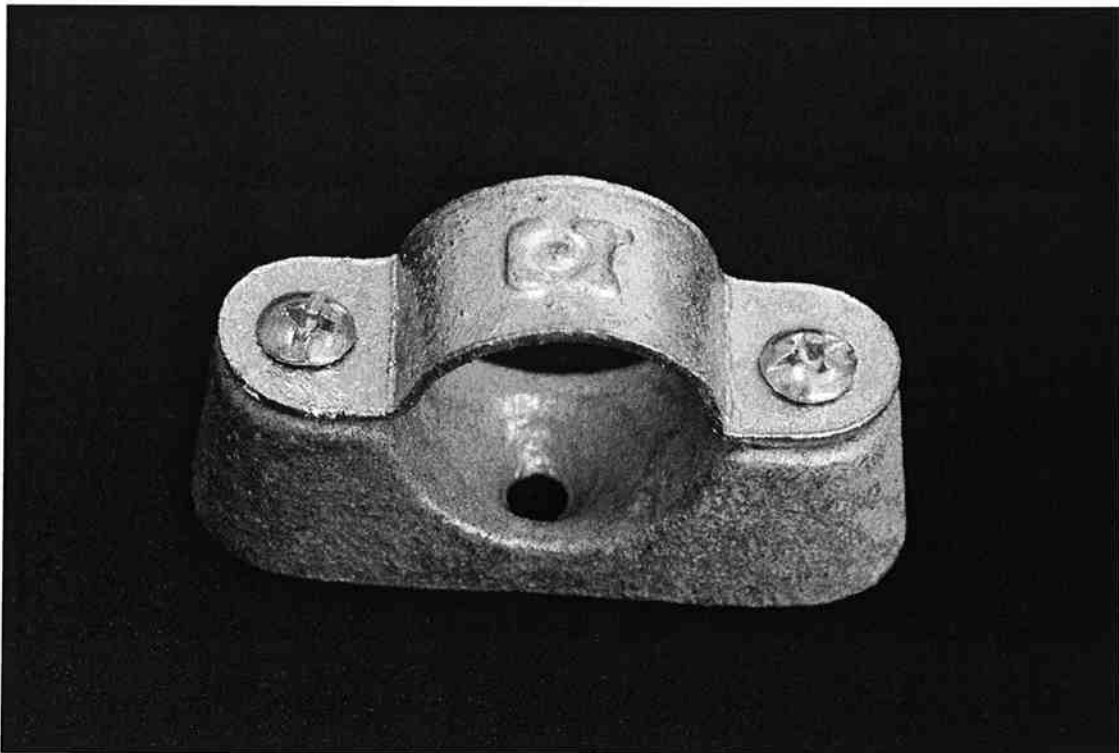
Sample	Resistance to Corrosion Test (Class 4. High protection both inside and outside)	
	Interior Surface	Exterior Surface
COT-HNSP20	Passed	Passed
COT-HNSP25	Passed	Passed
COT-HNSP32	Passed	Passed

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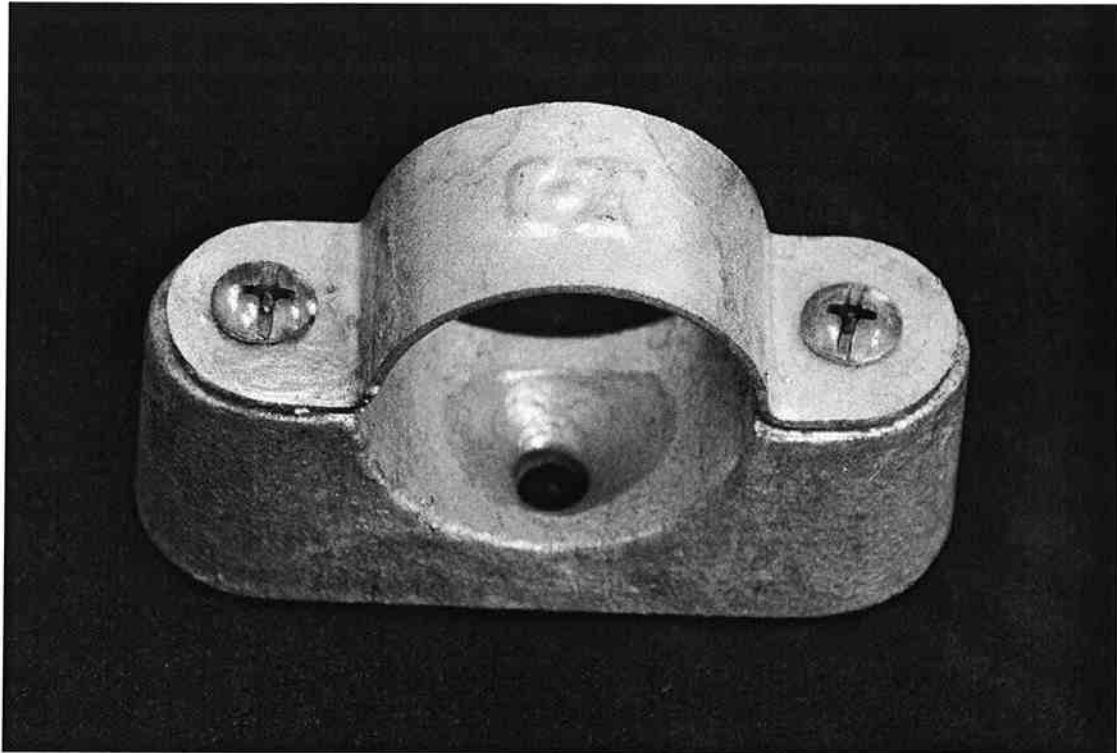
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AVP / SENIOR CHEMIST
COATINGS & INDUSTRIAL CHEMICALS
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COT-HNSP20



COT-HNSP25



COT-HNSP32

TEST REPORT: S09MEC01334-02-EKH-CORR1
07 MAY 2009



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January 2008

TEST REPORT: S09CHM02310-EKH

Date: 21 MAY 2009

Tel: +65 68851335 Fax: +65 67784301

Client's Ref: -

Email: Sihai.LI@tuv-sud-psb.sg



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SUBJECT

Testing for hexagonal locknut – heavy (hot-dipped galvanised) for resistance to corrosion – high protection (IEC 61386-1 : 2008 Class 4).

CLIENT

Many Folk Enterprises Limited
Flat F, 13/F, Golden Plaza
745-7 Nathan Road, Kowloon
Hong Kong

Attn: Mr Ray Lee




SAMPLE SUBMISSION DATE

14 May 2009

DESCRIPTION OF SAMPLE

Three samples of hexagonal locknut – heavy (hot-dipped galvanised) (3 pieces each) were received.

Sample Reference

Brand	Sample
	COT-HNL184 (20 x 6mm hexagonal locknut – heavy (hot-dipped galvanised))
	COT-HNL185 (25 x 6mm hexagonal locknut – heavy (hot-dipped galvanised))
	COT-HNL186 (32 x 6mm hexagonal locknut – heavy (hot-dipped galvanised))

TEST REPORT: S09CHM02310-EKH
21 MAY 2009



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METHOD OF TEST

IEC 61386-1 : 2008

"Conduit systems for cable management – Part 1 : General requirements".

Clause 14.2.2.3 – High protection.

RESULTS

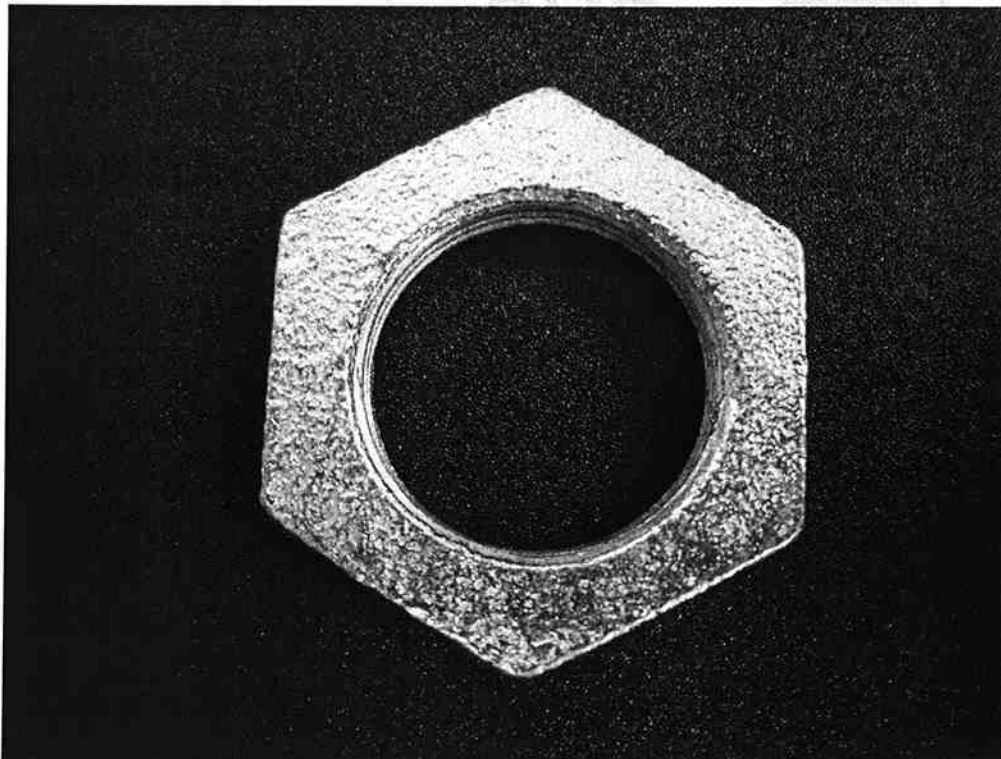
Sample	Resistance to Corrosion Test (Class 4. High protection)
COT-HNL184	Passed
COT-HNL185	Passed
COT-HNL186	Passed

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AVP / SENIOR CHEMIST
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COT-HNL184

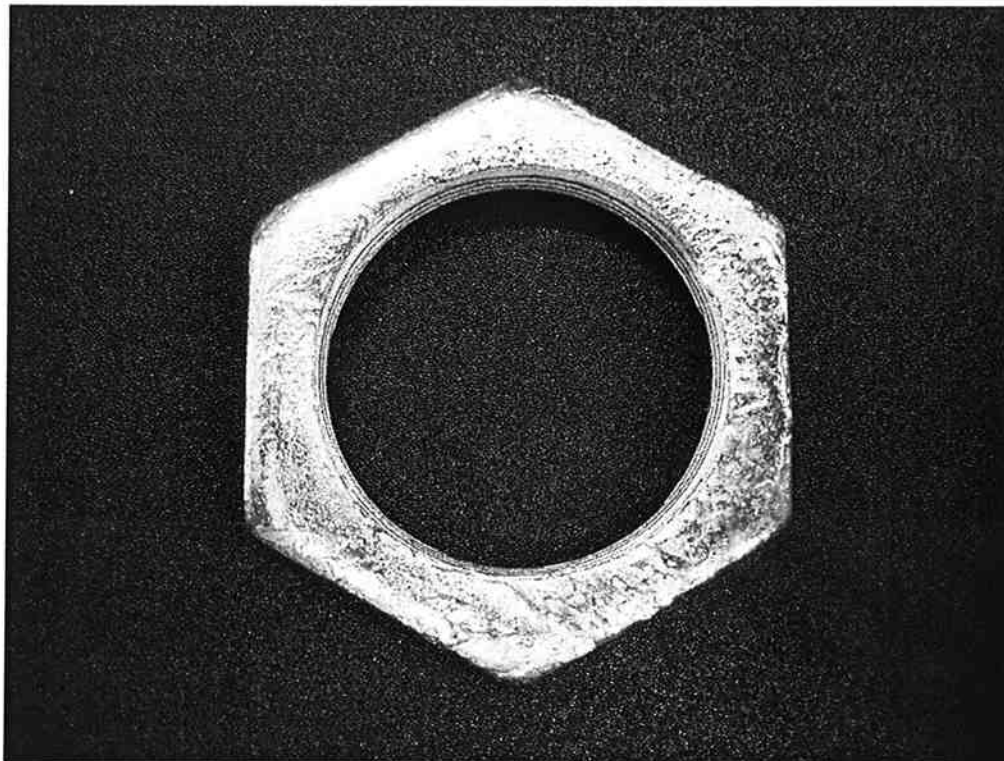


COT-HNL185

TEST REPORT: S09CHM02310-EKH
21 MAY 2009



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COT-HNL186



TEST REPORT: S09CHM02310-EKH

21 MAY 2009



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March 2009

Test Report No. 719165041-MEC-CLC
dated 12 DEC 2009



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SUBJECT:

Testing of Brass Male Bush

TESTED FOR:

Many Folk Enterprises Ltd
Flat F, 13/F, Golden Plaza
745-7 Nathan Road, Kowloon
Hong Kong

Attn: Mr Ray Lee

SAMPLE SUBMISSION DATE

18 Nov 2008

TEST METHOD:

IEC 61386-1 : 2008 Conduit system for cable management – Part 1: General requirements

MARKING ON THE BRASS MALE BUSH:



SAMPLE DESCRIPTION:

Three samples of Brass Male Bush Ø20mm, Ø25mm, and Ø32mm (3 pieces for each size) with "COT" brand (refer to Appendix) were submitted for the following tests:

1. Marking
2. Dimensions
3. Construction

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TEST RESULTS:

Sample Reference	Avg inside Diameter	Avg outside Diameter	Avg length of thread
COT-BB120L	15.5	19.9	12.6
COT-BB125L	19.9	24.8	15.1
COT-BB132L	26.8	31.9	16.2

(1) Test for Durability & Legibility of Marking

Sample Reference	"COT" Brand	IEC 61386-1 : 2008 Requirements (Clause 7.6)
	Results of observation	
Dia.20mm (S1)	Passed	Durability shall be checked by rubbing the marking by hand for 15 seconds with a piece of cloth soaked with water and again for 15 seconds with a piece of cloth soaked with petroleum spirit. After the test the marking shall be legible.
Dia.20mm (S2)	Passed	
Dia.20mm (S3)	Passed	
Dia.25mm (S1)	Passed	
Dia.25mm (S2)	Passed	
Dia.25mm (S3)	Passed	
Dia.32mm (S1)	Passed	
Dia.32mm (S2)	Passed	
Dia.32mm (S3)	Passed	

(2) Construction

Sample Reference	"COT" Brand	IEC 61386-1 : 2008 Requirements (Clause 9.1)
	Results of observation	
Dia.20mm (S1)	Passed	Within the conduit system, there shall be no sharp edges, burrs or surface projections which are likely to damage insulated conductors or cables, or inflict injury on the installer or user
Dia.20mm (S2)	Passed	
Dia.20mm (S3)	Passed	
Dia.25mm (S1)	Passed	
Dia.25mm (S2)	Passed	
Dia.25mm (S3)	Passed	
Dia.32mm (S1)	Passed	
Dia.32mm (S2)	Passed	
Dia.32mm (S3)	Passed	

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TEST RESULTS: (CON'T)

(3a) Dimensions

Sample Reference	"COT" Brand	IEC 61386-1 : 2008 Requirements (Clause 8.1)
	Results of observation	
Dia.20mm (S1)	Passed	Thread Ring "Go" Gauge-It shall be possible to slide the gauge completely over the conduit without excessive force.
Dia.20mm (S2)	Passed	
Dia.20mm (S3)	Passed	
Dia.25mm (S1)	Passed	
Dia.25mm (S2)	Passed	
Dia.25mm (S3)	Passed	
Dia.32mm (S1)	Passed	
Dia.32mm (S2)	Passed	
Dia.32mm (S3)	Passed	

(3b) Dimensions

Sample Reference	"COT" Brand	IEC 61386-1 : 2008 Requirements (Clause 8.1)
	Results of observation	
Dia.20mm (S1)	Passed	Snap "Not Go" Gauge-It shall not be possible to pass the gauge over the conduit, in any position, without excessive force.
Dia.20mm (S2)	Passed	
Dia.20mm (S3)	Passed	
Dia.25mm (S1)	Passed	
Dia.25mm (S2)	Passed	
Dia.25mm (S3)	Passed	
Dia.32mm (S1)	Passed	
Dia.32mm (S2)	Passed	
Dia.32mm (S3)	Passed	

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TEST RESULTS: (CON'T)




Photo 1. COT-BB120L



Photo 2. COT-BB125L



Photo 3. COT-BB132L


Chua Lee Choong
Associate Engineer


Chua Peck Cheong
Product Manager
Industrial & Polymer Products
Mechanical Centre

Test Report No. 719165041-MEC-CLC
dated 12 DEC 2009



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March 2009