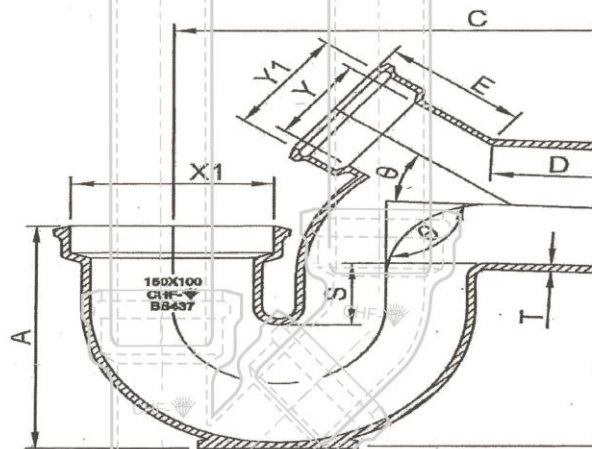


Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
(BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4))

Page 2 of 2 page(s)

Castco LRN : 20113

Appendix

香港粉嶺安居街33號
香港粉嶺安居街29A號
E-mail: info@castco.com.hk33, On Kui Street, Fanling, Hong Kong, Tel: 2597 8333
29A, On Chuen Street, Fanling, Hong Kong, Fax: 2597 8399
Website: www.castco.com.hkTest Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
(BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4))

Date of issue : 17 December 2020

Page 1 of 2 page(s)

Castco LRN : 201130-2295 DIM

Details as supplied by customer

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
Job title : --
Sample description : DN150 x 100 Disconnecting P-Trap with Flexible Joint
Manufacturer : Cheung Hing Foundry (HK) Limited
Brand name : CHF
Nominal bore : 150 mm
Nominal Length : --
Nominal Mass : 27.5 kg
Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 30 November 2020

Date of test : 01 December 2020

Dimensions Check

Specimen no. : 201130-2295

Dimensions	BS Requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	295 mm	300 mm
B	--	316 mm	314 mm
C	--	415 mm	420 mm
D	--	116 mm	116 mm
E	--	145 mm	143 mm
OD	171 (+2/-1) mm	171 mm	172 mm
S	≤ 50 mm	80 mm	80 mm
T	≥ 7.7 mm	7.7 mm	11.2 mm
X	--	150 mm	151 mm
X1	--	190 mm	190 mm
Y	--	100 mm	100 mm
Y1	--	127 mm	123 mm
Mass	27.5 (-4.13) kg	27.5 kg	27.2 kg

Remark : 1. Test result relates only to the specimen tested.

2. Test results of the sample comply with the requirement of BS437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4)

3. Castco Engineering Limited is not responsible for the accuracy of the data supplied by the customer.

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(In-house method based on BS 437 : 2008 Clause 1)

Date of issue : 18 December 2020

Page 1 of 1 page

Castco LRN : 201130-2295 HYD

Details as supplied by client

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
Job title : --
Sample description : DN150 x 100 Disconnecting P-Trap with Flexible Joint
Brand name : CHF
Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 30 November 2020

Date of test : 01 December 2020

Specimen no.	201130-2295
Actual internal hydrostatic pressure apply (Bar)	3.5
Sustain period (sec)	30
Test result	Passed

Remarks : 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).
2. Samples Submitted by : Asia Development (HK) Limited
3. Country of Origin : China

Checked by :

SIT KWAN NING
Senior Supervisor

Form No. PIPE HYD In-house_T d.d 03/06/2020

/06

Certified by :
End of ReportWONG KA MAN
Senior Manager

DIM

DIM

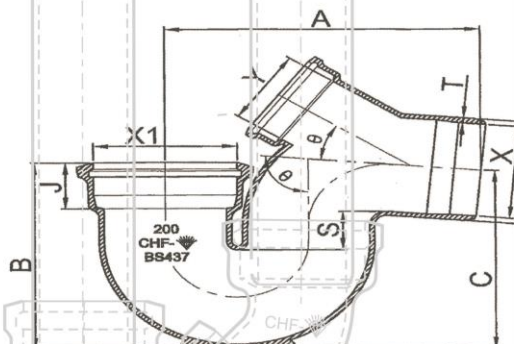
HYD

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4)]

Page 2 of 2 page(s)

Castco LRN : 21020

Appendix



Form No. PIPE DIM437_2008 T1 dd 31/03/2019 CHF-004

香港粉嶺安居街33號得利中心6樓
香港粉嶺安居街30號新寧中心1樓
香港粉嶺安居街29A號
Tel: 2597 8333 Fax: 2597 8399

香港粉嶺安居街33號
香港粉嶺安居街29A號
E-mail: info@castco.com.hk

33, On Kui Street, Fanling, Hong Kong. Tel: 2597 8333
29A, On Chuen Street, Fanling, Hong Kong. Fax: 2597 8399
Website: www.castco.com.hk

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4)]

Date of issue : 29 April 2021

Page 1 of 2 page(s)

Castco LRN : 210209-2851-007 DIM

Details as supplied by customer

Customer : Cheung Hing Foundry (HK) Limited

Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Job title : --

Sample description : DN200 x 150 Disconnecting P-Trap with Flexible Joint

Manufacturer : Cheung Hing Foundry (HK) Limited

Brand name : CHF

Nominal bore : 200 mm

Nominal Length : --

Nominal Mass : 56.5 kg

Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 09 February 2021

Date of test : 18 February 2021

Dimensions Check

Specimen no. : 210209-2851-007

Dimensions	BS requirement from figure --	Product requirement from code no. CED200x150	Measured mean value
A	--	530 mm	528 mm
B	--	415 mm	412 mm
C	--	385 mm	380 mm
J	--	100 mm	105 mm
OD	--	222 mm	221 mm
S	≥ 6 mm	80 mm	88 mm
T	--	9 mm	9.66 mm
K	--	200 mm	200 mm
X	--	240 mm	243 mm
Y	--	150 mm	151 mm
Mass	56.5(-8.48) kg	56.5 kg	57.5 kg

Remarks : 1. Test result relates only to the specimen tested.

2. Compliance check against BS 437 : 2008, Annex A2 to A9, Clause 4.3 & 4.4 was not possible as this fitting would not be found in the standard (either at manufacturing or assembly has not been taken into account).

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(In-house method based on BS 437 : 2008 Clause 1)

Signature :

WONG KA MAN
Senior Manager

Signatures as listed in the HKQAS directory of accredited laboratories. Original copy or the laboratory's certified true copy is valid.

Date of issue : 29 April 2021

Page 1 of 1 page

Castco LRN : 210209-2851-007 HYD

Details as supplied by client

Customer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Job title : --

Contract no. : --

Sample description : DN200 x 150 Disconnecting P-Trap with Flexible Joint

Brand name : CHF

Manufacturer : Cheung Hing Foundry (HK) Limited

Laboratory Test Result

Date received : 09 February 2021

Date of test : 18 February 2021

Specimen no.	210209-2851-007
Actual internal hydrostatic pressure applied (Bar)	3.5
Sustain period (sec)	30
Test result	Passed

Remarks : 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).
2. Sample Submitted by : Asia Development (HK) Limited.
3. Country of Origin : China

Checked by :

SIT KWAN NING
Senior SupervisorCertified by :
End of ReportWONG KA MAN
Senior Manager

Form No. PIPE HYD In-house_T1 dd 03/06/2020 /04

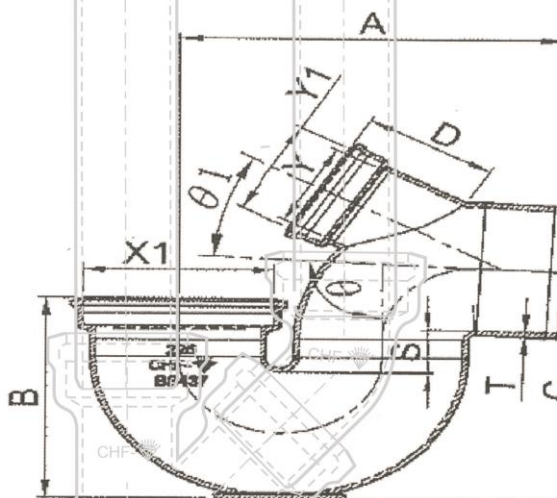
HKAS has accredited this laboratory (Reg. No. HOKLAS 032) under HOKLAS for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. This report shall not be reproduced except in full, without written approval from this laboratory. Only the original copy or the laboratory's certified true copy is valid.

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
(BS 437 : 2008 Annex A2 to A7 (Clause 4.3 & 4.4))

Page 2 of 2 page(s)

Castco LRN : DP02

Appendix



香港粉嶺安樂街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2597 8333
香港粉嶺安樂街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2597 8399
E-mail: info@castco.com.hk Website: www.castco.com.hk

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
(BS 437 : 2008 Annex A2 to A7 (Clause 4.3 & 4.4))

Date of issue : 05 May 2021

Page 1A of 2 page(s)

Castco LRN : DP0200910-062 DIM

Details as supplied by customer

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
Job title : --

Sample description : DN225 Disconnecting P-Trap with Flexible Joint

Manufacturer : Cheung Hing Foundry (HK) Limited

Brand name : CHF

Nominal bore : 225 mm

Nominal Length : --

Nominal Mass : 72 kg

Type of joint : Flexible joint

Laboratory test result

Date sample received : 10 September 2020

Date of test : 23 September 2020

Dimensions Check

Specimen no. : DP0200910-062

Dimensions	Product requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	555 mm	550 mm
B	--	385 mm	389 mm
C	--	438 mm	435 mm
D	--	198 mm	200 mm
OD	254(+/-) mm	254 mm	255 mm
S	≥ 5° mm	80 mm	81 mm
Y	≥ 0.2 mm	10.2 mm	14.71 mm
X1	--	227 mm	226 mm
Y	--	276 mm	275 mm
Y	--	150 mm	150 mm
Y1	--	176 mm	174 mm
Mass	72.0(-10.8) kg	72.0 kg	73.0 kg

Remarks : 1. Test result relates only to the specimen tested.

2. Test results of the sample comply with the requirement of BS437 : 2008, Annex A2 to A7 (Clause 4.3 & 4.4) (effect of measurement uncertainty has not been taken into account).

Form No. PIPE DIM437_2008 T1 dtd 11/07/2019

香港粉嶺安樂街33號得利中心6樓
香港粉嶺安樂街30號新寧中心1樓
香港粉嶺安樂街29A號
Tel: 2597 8333 Fax: 2597 8399

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(In-house method based on BS 437 : 2008 Clause 1)

Previous test report : LRNDP0200910-062 DIM

Signature :
WONG KA MAN
Senior Manager

As listed in the HOKLAS directory of accredited laboratories.
Original copy or the laboratory's certified true copy is valid.

Date of issue : 09 November 2020

Page 1A of 1 page

Castco LRN : DP0200910-062 HYD

Details as supplied by client

Customer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Job title : --

Contract no. : --

Sample description : DN225 Disconnecting P-Trap with Flexible Joint

Brand name : CHF

Manufacturer : Cheung Hing Foundry (HK) Limited

Laboratory Test Result

Date received : 10 September 2020

Date of test : 23 September 2020

Specimen no.	DP0200910-062
Actual internal hydrostatic pressure applied (Bar)	3.5
Sustain period (sec)	30
Test result:	Passed

- Remark : 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).
2. Samples Submitted by : Asia Development (HK) Limited
3. Country of Origin : China
4. This page no. 1A of test report supersedes page 1 of the previous test report of Castco LRN DP0200910-062 HYD issued on 21 October 2020.
5. Test report for (In-house method Base on BS 437 : 2008 Clause 1) is changed due to typographical error.

Checked by:

SIT KWAN NING
Senior Supervisor

Certified by:

End of Report

WONG KA MAN
Senior Manager

Form No. PIPE HYD In-house_T1 dtd 03/06/2020

香港粉嶺安樂街33號得利中心6樓 • 6/F, Techno Centre, 33, On Kui Street, Fanling, Hong Kong.
香港粉嶺安樂街30號新寧中心1樓 • 1/F, Sun Ling Plaza, 30, On Kui Street, Fanling, Hong Kong.
香港粉嶺安樂街29A號 • 29A, On Chuen Street, Fanling, Hong Kong.
Tel: 2597 8333 Fax: 2597 8399 E-mail: info@castco.com.hk Website: www.castco.com.hk

Test Report

Metallic Materials (Steel - Structural) - Brinell Hardness Test
(BS EN ISO 6506: Part 1: 1999)

Date of issue: 21 October 2020

Page 1 of 2 pages

Castco LRN: DP0200910-062 BH

Details as supplied by customer:

Customer: Cheung Hing Foundry (HK) Limited

Customer's ref. no.

Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Contract no.:

Job title: --

Test piece description: DN225 Disconnecting P-Trap with Flexible Joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Test piece no.: 1

Test results:

Date received: 10 September 2020

Date of test: 26 September 2020

Test specimen thickness: 7.85 mm

Test temperature: 28 °C

Sketch of Test locations



Test Report

Metallic Materials (Steel - Structural) - Brinell Hardness Test
(BS EN ISO 6506: Part 1: 1999)

Date of issue: 21 October 2020

Page 2 of 2 pages

Castco LRN: DP0200910-062 BH

Test results:

Indentation no.	Indentation diameter (mm)	Indentation diameter (mm)	Corresponding hardness value (HB)	Results
1	4.21	4.17	208	Passed
2	4.14	4.16	211	Passed
3	4.12	4.20	211	Passed

Testing Technique: Brinell hardness

- Hardness scale: HBW10/3000
- Force/diameter ratio: 30
- Load symbol: Newton
- Hold time: 12S
- Calibration with reference block prior to testing
- Surface finish: clear, smooth

Remarks: 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).

Form No. ND7(ST) BH_MTL_T1 02/06/11/2018 06

Test Report

Metallic Materials - Tensile Test of Metallic Materials
(BS EN 10002-1: 2001)

Date of issue: 21 October 2020

Page 1 of 1 page

Castco LRN: DP0200910-062 TEN

Details as supplied by customer:

Customer: Cheung Hing Foundry (HK) Limited

Customer's Ref. No.:

Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Contract No.:

Job Title: --

Origin of copper tube: --

Supplier: --

Grade & Form of copper tube product: --

Location in:

No. & Type of specimen supplied: 1 x DN225 Disconnecting P-Trap with Flexible joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Nominal thickness: 8.76 mm

Laboratory Test Results

Date Received: 10 September 2020

Date Tested: 26 September 2020

Tensile Test

Specimen Identity	Grade	Type & Preparation	Width (mm)	Thickness (mm)	Org. X-sect Area (mm ²)	Org. Gauge length (mm)	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Position of Fracture	Remark
DP0200910-062	--	--	8.07	8.76	70.61	--	277	--	--	Valid	--

Remarks:

- Legend: A - Proportional; B - Non-proportional; M - Machined; N - Unmachined; + This measurement is "valid" which relates to the position of fracture only.
- Test results relate only to the specimen tested.
- Test results comply with BS 437: 2008 Clause 4.5 Table 4 (effect of measurement uncertainty has not been taken into account).
- Samples Submitted by: Asia Development (HK) Limited.
- Country of Origin: China
- Manufacturer: Cheung Hing Foundry (HK) Ltd.

Checked by:

SIT KWAN NING
Senior Supervisor

Approved Signatory:

End of Report

LEE WAI KWOK
B.Sc., C. Eng., MICE, MHKIE
Registered Professional Engineer
Executive Director

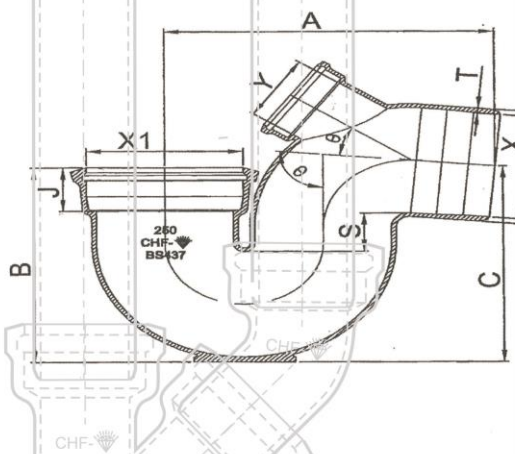
Form No. ST BSEN 10002-1:2001 T2 04/12/05/2017 06

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A7 (Clause 4.3 & 4.4)]

Page 2 of 2 page(s)

Castco LRN : 21020

Appendix



Form No. PIPE DIM437_2008 T1_d4 13/02/09 CHF/04

香港粉嶺安居街33號得利中心6樓
香港粉嶺安居街30號新寧中心1樓
香港粉嶺安居街29A號
Tel: 2597 8333 Fax: 2597 8399

香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2597 8333
香港粉嶺安居街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2597 8399
E-mail: info@castco.com.hk Website: www.castco.com.hk

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A7 (Clause 4.3 & 4.4)]

Date of issue : 29 April 2021

Page 1 of 2 page(s)

Castco LRN : 210209-2851-008 DIM

Details as supplied by customer

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
Job title : --
Sample description : DN250 x 150 Disconnecting P-Trap with Flexible Joint
Manufacturer : Cheung Hing Foundry (HK) Limited
Brand name : CHF
Nominal bore : 250 mm
Nominal Length : --
Nominal Mass : 86 kg
Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 09 February 2021

Date of test : 22 April 2021

Dimensions Check

Specimen no. : 210209-2851-008

Dimensions	BS requirement from figure --	Product requirement from code no. CED250x150	Measured mean value
A	--	620 mm	619 mm
B	--	480 mm	484 mm
C	--	485 mm	485 mm
J	--	100 mm	105 mm
OD	--	274 mm	273 mm
S	min 30mm	90 mm	95 mm
T	--	9 mm	9.77 mm
X	--	250 mm	250 mm
Y	--	290 mm	296 mm
Mass	86(-12.9) kg	86 kg	88.0 kg

Remark : 1. Test result relates only to the specimen tested.

2. Compliance check against BS 437 : 2008 Annex A2 to A7, Clause 4.3 & 4.4 was not possible as this fitting could not be found in the standard (either at mass scale or at any size has not been taken into account).

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(In-house method based on BS 437 : 2008 Clause 1)

Date of issue : 29 April 2021

Page 1 of 1 page

Castco LRN : 210209-2851-008 HYD

Details as supplied by client

Customer : Cheung Hing Foundry (HK) Limited
Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
Job title : --
Sample description : DN250 x 150 Disconnecting P-Trap with Flexible Joint
Brand name : CHF
Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 09 February 2021

Date of test : 22 April 2021

Specimen no.	210209-2851-008
Actual internal hydrostatic pressure applied (Bar)	3.5
Sustain period (sec)	30
Test result	Passed

Remark : 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).
2. Sample Submitted by : Asia Development (HK) Limited
3. Country of Origin : China

Checked by:

SIT KWAN NING
Senior Supervisor

Form No. PIPE HYD In-house_T1_d4 03/06/2020 /04

Certified by:
End of Report

WONG KA MAN
Senior Manager

DIM

DIM

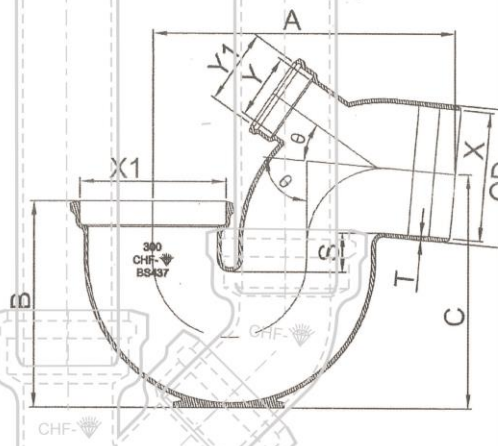
HYD

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4)]

Page 2 of 2 page(s)

Castco LRN : 21043

Appendix



香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2597 8333
 香港粉嶺安居街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2597 8399
 E-mail: info@castco.com.hk Website: www.castco.com.hk

Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
[BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4)]

Date of issue : 16 June 2021
 Page 1A of 2 page(s)

Castco LRN : 210430-2533-002 DIM

Details as supplied by customer

Customer : Cheung Hing Foundry (HK) Limited
 Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
 Job title : --
 Sample description : DN300 x 150 Disconnecting P-Trap with Flexible Joint
 Manufacturer : Cheung Hing Foundry (HK) Limited
 Brand name : CHF
 Nominal bore : 300 mm
 Nominal Length : --
 Nominal Mass : 100 kg
 Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 30 April 2021

Date of test : 04 May 2021

Dimensions Check

Specimen no. : 210430-2533-002

Dimensions	BS Requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	715 mm	710 mm
B	--	475 mm	472 mm
C	--	550 mm	555 mm
OD	--	322 mm	321 mm
S	≥ 50 mm	92 mm	97 mm
T	--	8 mm	9.1 mm
X	--	303 mm	304 mm
Y	--	350 mm	352 mm
Y1	--	150 mm	150 mm
Y2	--	180 mm	180 mm
Mass	100 (-15) kg	100 kg	99.0 kg

- Remarks : 1. Test results relate only to the specimen tested.
 2. Compliance check against BS 437 : 2008, Annex A2 to A9, Clause 4.3 & 4.4 is not possible as this pipe could not be found in the standard (effect of measurement uncertainty has not been taken into account).
 3. Sample Submitted by : Asia Development (HK) Limited
 4. Country of Origin : China

Test report of Castco LRN :

Signature :

WONG KA MAN
 Senior Manager

As listed in the HOKLAS directory of accredited laboratories.
 Original copy or the laboratory's certified true copy is valid.

Form No. PIPE DIM437_2008 T1 d4 31/07/2019

香港粉嶺安居街33號得利中心
 香港粉嶺安居街30號新寧中心
 香港粉嶺安居街29A號
 Tel: 2597 8333 Fax: 2597 8399

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(In-house method based on BS 437 : 2008 Clause 1)

Date of issue : 06 May 2021
 Page 1 of 1 page

Castco LRN : 210430-2533-002 HYD

Details as supplied by client

Customer : Cheung Hing Foundry (HK) Limited
 Address : 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong
 Job title : --
 Sample description : DN300 x 150 Disconnecting P-Trap with Flexible Joint
 Brand name : CHF
 Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 30 April 2021

Date of test : 04 May 2021

Specimen no.	210430-2533-002
Actual internal hydrostatic pressure apply (Bar)	3.5
Sustain period (sec)	30
Test result	Passed

- Remarks : 1. Test results relate only to the specimen tested (effect of measurement uncertainty has not been taken into account).
 2. Sample Submitted by : Asia Development (HK) Limited
 3. Country of Origin : China

Checked by :

SIT KWAN NING
 Senior Supervisor

Form No. PIPE HYD In-house_T1 d4 03/06/2020

Certified by :
 End of Report

WONG KA MAN
 Senior Manager

Test Report

Metallic Materials (Steel - Structural) - Brinell Hardness Test
(BS EN ISO 6506: Part 1: 1999)

Date of issue: 06 May 2021

Page 1 of 2 pages

Castco LRN: 210430-2533-002 BH

Details as supplied by customer:

Customer: Cheung Hing Foundry (HK) Limited

Customer's ref. no.:

Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Contract no.:

Job title: --

Test piece description: DN300 x 150 Disconnecting with Flexible Joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Test piece no.: 1

Test results:

Date received: 30 April 2021

Date of test: 04 May 2021

Test specimen thickness: 10.47 mm

Test temperature: 27 °C

Sketch of Test locations



Form No. ND1(ST) BH_MTL_T1 34 06/11/2015

Test Report

Metallic Materials - Tensile Test of Metallic Materials
(BS EN 10002-1: 2001)

Date of issue: 06 May 2021

Page 1 of 1 page

Castco LRN: 210430-2533-002 TEN

Details as supplied by customer:

Customer: Cheung Hing Foundry (HK) Limited

Customer's Ref. No.:

Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong

Contract No.:

Job Title:

Origin of steel:

Supplier:

Grade of form of steel product:

Location in works:

No. of Type of specimen supplied: 1 no. DN300 x 150 Disconnecting P-Trap with Flexible Joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Nominal thickness: 11.37 mm

Laboratory Test Result

Date Received: 30 April 2021

Date Tested: 04 May 2021

Tensile Test

Specimen Identity	Grade	Type of Preparation	Width (mm)	Thickness (mm)	Org. X-sect Area (mm ²)	Org. Gauge Length (mm)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	Position of Fracture	Remark
210430-2533-002	--	--	8.14	11.37	92.49	--	--	193	--	Valid	--

Remarks:

- Legend: A - Proportional; B - Non-Proportional; M - Machined; N - Unmachined;
+ This measurement is 'invalid' which relates to the position of fracture on the specimen.
- Test results relate only to the specimen tested.
- Test results comply with BS 437: 2008 Clause 4.5 Table 4 (effect of measurement uncertainty has not been taken into account).
- Sample Submitted by: Asia Development (HK) Limited.
- Country of Origin: China
- Brand name: CHF
- Manufacturer: Cheung Hing Foundry (HK) Limited.

Checked by:

SIT KWAN NING
Senior Supervisor

End of Report

Approved Signature:

WONG KA MAN
Senior Manager

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