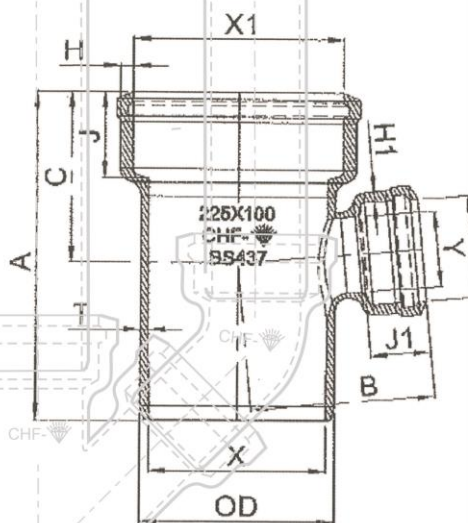


Test Report
Dimension and Mass of Cast Iron Drain Pipes, Fitting and Their Joints
(BS 437 : 2008 Annex A2 to A9 (Clause 4.3 & 4.4))

Page 2 of 2 page(s)

Castco LRN : 201106

Appendix



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1樓
香港粉嶺安全街29A號
Tel: 2597 8333 Fax: 2597 8399香港粉嶺安居街33號
香港粉嶺安全街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 : 20 November 2020

Page 1 of 2 page(s)

Castco LRN : 201106-2810 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 x 100 Tee with Flexible Joint

Manufacturer : Cheung Hing Foundry (HK) Limited

Brand name : CHF

Nominal bore : 225 mm

Nominal Length : --

Nominal Mass : 39.5 kg

Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 05 November 2020

Date of test : 07 November 2020

Dimensions Check

Specimen no. : 201106-2810

Dimensions	BS Requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	450 mm	455 mm
B	--	240 mm	240 mm
C	--	250 mm	255 mm
H	--	17 mm	17 mm
H1	--	14 mm	14 mm
J	--	115 mm	120 mm
J1	--	75 mm	78 mm
OD	254 (±2) mm	254 mm	254 mm
X	≥ 10.2 mm	10.2 mm	11.08 mm
X1	≥ 224 mm	227 mm	231 mm
Y	--	276 mm	278 mm
Y1	≥ 99 mm	100 mm	100 mm
Mass	--	138 mm	138 mm
	39.5 (-5.93) kg	39.5 kg	39.4 kg

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

BS 437 : 2008 Annex A2 to A9, Clause 4.3 & 4.4

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(House method based on BS 437 : 2008 Clause 1)

Date of issue : 20 November 2020

Page 1 of 1 page

Castco LRN : 201106-2810 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 x 100 Tee with Flexible Joint

Brand name : CHF

Manufacturer : Cheung Hing Foundry (HK) Limited

Laboratory Test Result

Date received : 05 November 2020

Date of test : 07 November 2020

Specimen no.	201106-2810
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. Samples Submitted by : Asia Development (HK) Limited
3. Country of Origin : China

Checked by:

SIT KWAN NING
Senior Supervisor

Certified by:

End of Report

WONG KA MAN
Senior Manager

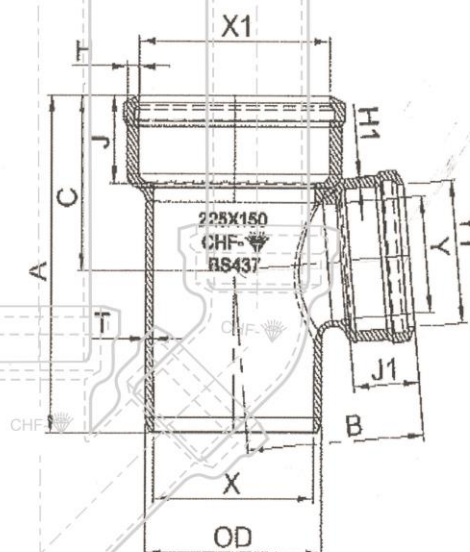
Form No. PIPE HYD In-house_T d4 03/06/2020

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 : 201106

Appendix



Form No. PIPE DIM437_2008 T1 d43 07/2019

香港粉嶺安居街33號德利中心
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 : 20 November 2020

Page 1 of 2 page(s)

Castco LRN : 201106-2811 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 x 150 Tee with Flexible Joint
Manufacturer : Cheung Hing Foundry (HK) Limited
Brand name : CHF
Nominal bore : 225 mm
Nominal Length : --
Nominal Mass : 42.5 kg
Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 05 November 2020

Date of test : 07 November 2020

Dimensions Check

Specimen no. : 201106-2811

Dimensions	BS Requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	450 mm	452 mm
B	--	256 mm	255 mm
C	--	255 mm	255 mm
H	--	17 mm	18 mm
H1	--	14 mm	13 mm
J	--	115 mm	115 mm
J1	--	90 mm	95 mm
CD	254 (±2) mm	254 mm	254 mm
T	≥ 10.2 mm	10.2 mm	11.19 mm
X	≥ 224 mm	227 mm	232 mm
Y	--	276 mm	276 mm
Y1	≥ 149 mm	150 mm	153 mm
Mass	42.5 (-6.38) kg	42.5 kg	42.3 kg

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

BS 437 : 2008 Annex A2 to A9, Clause 4.3 & 4.4

Test Certificate

Hydrostatic Test on Cast Iron Pipe

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

Date of issue : 20 November 2020

Page 1 of 1 page

Castco LRN : 201106-2811 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 : DN225 x 150 Tee with Flexible Joint
Brand name : CHF
Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 05 November 2020

Date of test : 07 November 2020

Specimen no.	201106-2811
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. Samples Submitted by : Asia Development (HK) Limited
3. Country of Origin : ChinaChecked by :
SIT KWAN NING
Senior SupervisorCertified by :
WONG KA MAN
Senior Manager

End of Report

Form No. PIPE HYD In-house_T d43 03/06/2020

香港粉嶺安居街33號德利中心6樓 • 6/F, Techno Centre, 33, On Kui Street, Fanling, Hong Kong.
香港粉嶺安居街30號新寧中心1樓 • 1/F, Sun Ling Plaza, 30, On Kui Street, Fanling, Hong Kong.
香港粉嶺安居街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

DIM

HYD

Test Report

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

Date of issue: 20 November 2020

Page 1 of 2 pages

Castco LRN: 201106-2811 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 x 150 Tee with Flexible Joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Test piece no.: 1

Test results:

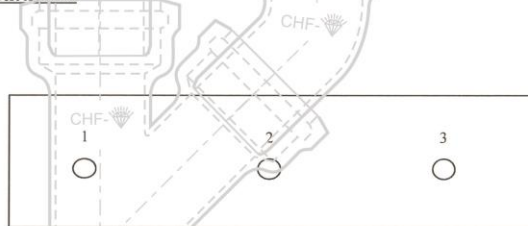
Date received: 05 November 2020

Date of test: 14 November 2020

Test specimen thickness: 6.30 mm

Test temperature: 23 °C

Sketch of Test locations



Test Report

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

Date of issue: 20 November 2020

Page 2 of 2 pages

Castco LRN: 201106-2811 BH

Test results:

Indentation no.	Indentation diameter (2 directions) (mm)	Indentation in mm (mm)	Corresponding hardness value (HB)	Results
1	2.04	2.10	213	Passed
2	2.11	2.14	198	Passed
3	2.10	2.15	201	Passed

Testing Technique: Brinell hardness

- Hardness scale: HBW5/750
- Force/diameter ratio: 30
- Load symbol: Newton
- Hold time: 12S
- Calibration with reference block prior to testing
- Surface finish: clean, smooth

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

Form No. NDT(ST) BH_MTL_T1 44 06/10/2018

Test Report

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

Date of issue: 20 November 2020

Page 1 of 1 page

Castco LRN: 201106-2811 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 x 150 Tee with Flexible Joint

Acceptance standard: BS 437: 2008 Clause 4.5 Table 4

Nominal thickness: 8.02 mm

Laboratory Test Results

Date Received: 06 November 2020

Date Tested: 14 November 2020

Tensile Test

Specimen Identity	Grade	Type & Preparation	Width (mm)	Thickness (mm)	Org. X-sect Area (mm²)	Org. Gauge Length (mm)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (%)	Position of Fracture	Remark
201106-2811	--	--	7.83	8.02	62.76	--	207	--	--	Valid	--

Remarks:

- Legends: 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) Limited.

Checked by:
SIT KWAN NING
Senior Supervisor

Approved Signatory:
WONG KA MAN
Senior Manager

End of Report

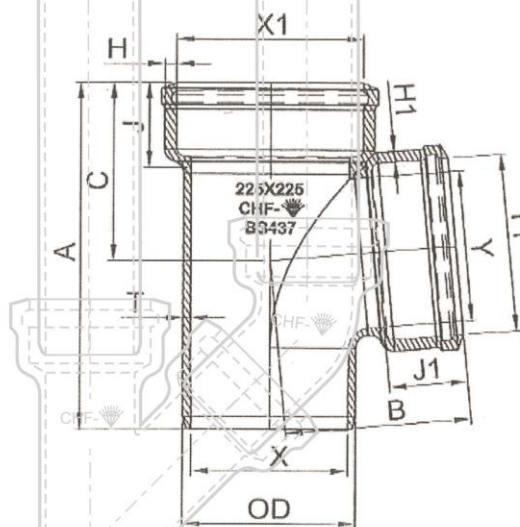
Form No. ST BS EN 10002-1: 2001 T2 44 12/05/2017

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 : 201106

Appendix



Form No. PIPE DIM437_2008 T1 d43 / 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 : 20 November 2020

Page 1 of 2 page(s)

Castco LRN : 201106-2812 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 x 225 Tee with Flexible Joint
Manufacturer : Cheung Hing Foundry (HK) Limited
Brand name : CHF
Nominal bore : 225 mm
Nominal Length : --
Nominal Mass : 55.5 kg
Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 05 November 2020

Date of test : 07 November 2020

Dimensions Check

Specimen no. : 201106-2812

Dimensions	BS Requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	545 mm	546 mm
B	--	276 mm	275 mm
C	--	295 mm	293 mm
H	--	17 mm	17 mm
H1	--	17 mm	17 mm
J	--	115 mm	117 mm
J1	--	115 mm	117 mm
OD	254 (±2) mm	254 mm	254 mm
X	≥ 10.2 mm	10.2 mm	10.62 mm
X1	≥ 224 mm	227 mm	230 mm
Y	--	276 mm	276 mm
Y1	≥ 224 mm	--	225 mm
Mass	--	276 mm	279 mm
	55.5 (-8.33) kg	55.5 kg	54.4 kg

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

BS 437 : 2008 Annex A2 to A9, Clause 4.3 & 4.4

Test Certificate

Hydrostatic Test on Cast Iron Pipe

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

Date of issue : 20 November 2020

Page 1 of 1 page

Castco LRN : 201106-2812 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 : DN225 x 225 Tee with Flexible Joint
Brand name : CHF
Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 05 November 2020

Date of test : 07 November 2020

Specimen no.	201106-2812
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. Samples Submitted by : Asia Development (HK) Limited
3. Country of Origin : China

Checked by:

SIT KWAN NING
Senior Supervisor

Certified by:

End of Report

WONG KA MAN
Senior Manager

Form No. PIPE HYD In-house_T d43 03/06/2020

香港粉嶺安居街33號得利中心6樓 • 6/F, Techno Centre, 33, On Kui Street, Fanling, Hong Kong.
香港粉嶺安居街30號新寧中心1樓 • 1/F, Sun Ling Plaza, 30, On Kui Street, Fanling, Hong Kong.
香港粉嶺安居街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

DIM

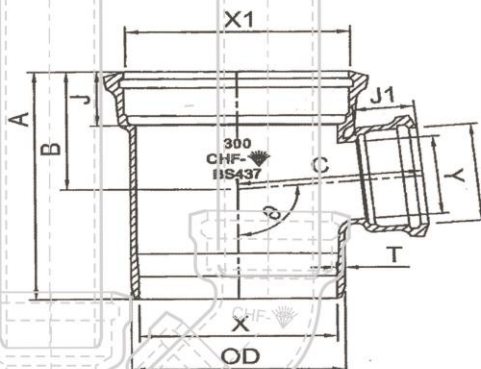
HYD

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

香港粉嶺安樂街33號
香港粉嶺安樂街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 : 28 April 2021

Page 1 of 2 page(s)

Castco LRN : 210209-2851-003 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 Tee with Flexible Joint

Manufacturer : Cheung Hing Foundry (HK) Limited

Brand name : CHF

Nominal bore : 300 mm

Nominal Length : --

Nominal Mass : 49.5 kg

Type of joint : Flexible joint

Laboratory test result

Date sample received : 09 February 2021

Date of test : 18 February 2021

Dimensions Check

Specimen no. : 210209-2851-003

Dimensions	BS Requirement from figure --	Product requirement from code no. TAD300150A	Measured mean value
A	--	450 mm	453 mm
B	--	233 mm	230 mm
C	--	285 mm	284 mm
J	--	105 mm	104 mm
J1	--	94 mm	90 mm
OD	--	322(+2/-0) mm	322 mm
X	--	9 mm	3.43 mm
Y	--	300(+2/-0) mm	300 mm
X	--	346 mm	346 mm
Y	--	150 mm	151 mm
Y	--	191 mm	192 mm
Mass	49.5 (-7.49) kg	49.5 kg	51.0 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 could not be found in the standard (effect of measurement uncertainty was not been taken into account).

3. Sample Submitted by Asia Development (HK) Limited

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

Test Certificate

Hydrostatic Test on Cast Iron Pipe

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

Signature :

WONG KA MAN
Senior ManagerAs listed in the HOKLAS directory of accredited laboratories.
Original copy or the laboratory's certified true copy is valid.

Date of issue : 28 April 2021

Page 1 of 1 page

Castco LRN : 210209-2851-003 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 : --

Sample description : DN300 x 150 Tee 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.	210209-2851-003
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_T d4 09/06/2020

Certified by :
End of ReportWONG KA MAN
Senior Manager

DIM

DIM

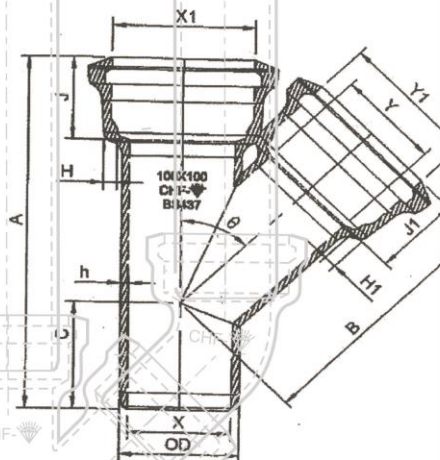
HYD

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)Date of issue : 17 August 2021
Page 2 of 2 page(s)

Castco LRN : 21080

Appendix

香港粉嶺安樂街33號
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E-mail: info@castco.com.hk33, On Kui Street, Fanling, Hong Kong
29A, On Chuen Street, Fanling, Hong Kong
Tel: 2597 8333 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 : 14 September 2021
Page 1A of 2 page(s)

Castco LRN : 210805-2540-001 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 : DN100 x 100 x 45° Tee with Flexible Joint
Manufacturer : Cheung Hing Foundry (HK) Limited
Brand name : CHF
Nominal bore : 100 mm
Nominal Length : --
Nominal Mass : 13 kg
Type of joint : Flexible joint

Customer's ref. no. : --

Contract no. : --

Laboratory test result

Date sample received : 05 August 2021

Date of test : 13 August 2021

Dimensions Check

Specimen no. : 210805-2540-001

Dimensions	Requirements from figure --	Product requirement from code no. --	Measured mean value
A	--	375 mm	376 mm
B	--	262 mm	260 mm
C	--	113 mm	115 mm
E	--	14 mm	14 mm
F	--	14 mm	14 mm
G	--	83 mm	83 mm
J1	--	83 mm	83 mm
OD	117 (+/-1) mm	117 mm	118 mm
X	--	100 mm	100 mm
X1	--	138 mm	137 mm
Y	--	100 mm	100 mm
Y1	--	138 mm	138 mm
h	≥6.7 mm	6.7 mm	8.71 mm
Mass	13 (-1.95) kg	13 kg	14.6 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 A9, Clause 4.3 & 4.4.
The sample curve shall be within grading zone. The acceptance limit is the same as the tolerance limit (see sample acceptance - see Figure A).
3. Test results of the acceptance limit will be concluded as out-of-tolerance.
4. Sample Submitted by : Asia Development (HK) Limited

Form No. PIPE DIM437_2008 T1 d4 31/07/2019 /04

Test Certificate

Hydrostatic Test on Cast Iron Pipe

(House method based on BS 437 : 2008 Clause 1)

Date of issue : 17 August 2021
Page 1 of 1 page

Castco LRN : 210805-2540-001 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 : DN100 x 100 x 45° Tee with Flexible Joint
Brand name : CHF
Manufacturer : Cheung Hing Foundry (HK) Limited

Customer's ref. no. : --

Contract no. : --

Laboratory Test Result

Date received : 05 August 2021

Date of test : 13 August 2021

Specimen no.	210805-2540-001
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.
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 ReportWONG KA MAN
Senior Manager

DIM

DIM

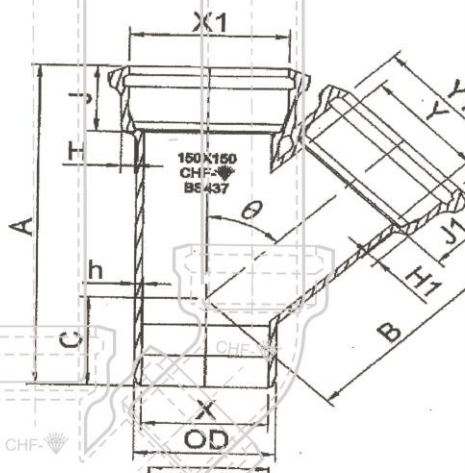
HYD

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)]Date of issue : 17 August 2021
Page 2 of 2 page(s)

Castco LRN : 21080

Appendix



Form No. PIPE DIM437_2008 T1 d4 03/02/20 /04

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
香港粉嶺安全街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 : 17 August 2021
Page 1 of 1 page

Castco LRN : 210805-2540-002 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 : DN150 x 150 x 45° Tee with Flexible Joint

Brand name : CHF

Manufacturer : Cheung Hing Foundry (HK) Limited

Laboratory Test Result

Date received : 05 August 2021

Date of test : 13 August 2021

Specimen no.	210805-2540-002
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.
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 ReportWONG KA MAN
Senior Manager香港粉嶺安居街33號
香港粉嶺安全街29A號
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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 : 14 September 2021
Page 1A of 2 page(s)

Castco LRN : 210805-2540-002 DIM

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

Job title : --

Contract no. : --

Sample description : DN150 x 150 x 45° Tee with Flexible Joint

Manufacturer : Cheung Hing Foundry (HK) Limited

Brand name : CHF

Nominal bore : 150 mm

Nominal Length : --

Nominal Mass : 23.5 kg

Type of joint: Flexible joint

Laboratory test result

Date sample received : 05 August 2021

Date of test : 13 August 2021

Dimensions Check

Specimen no. : 210805-2540-002

Dimensions	Is requirement from figure --	Product requirement from code no. --	Measured mean value
A	--	460 mm	460 mm
B	--	335 mm	330 mm
C	--	125 mm	125 mm
D	--	14 mm	14 mm
E	--	14 mm	14 mm
F	--	90 mm	94 mm
G	--	90 mm	90 mm
OD	171 (+2/-1) mm	170 mm	170 mm
X	--	150 mm	150 mm
X1	--	190 mm	157 mm
Y	--	150 mm	150 mm
Y1	--	190 mm	191 mm
h	≥7.7 mm	8 mm	10.87 mm
Mass	23.5 (-3.53) kg	23.5 kg	25.5 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 A9, Clause 4.3 & 4.4.
The sample curve shall be within grading zone. The acceptance limit is the same as the tolerance limit (see acceptance limit see Figure A).
Only test results out of the acceptance limit will be concluded as out-of-tolerance.
3. Sample Submitted by : Asia Development (HK) Limited.

Signature:

WONG KA MAN
Senior Manager

Details as listed in the HOKLAS directory of accredited laboratories.
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