

CASTCO TESTING CENTRE LTD.



香港新界粉嶺安樂村安全街29A號 29A, On Chuen Street, On Lok Tsuen, Fanling, N.T., Hong Kong. Tel: 2677 2032, 2677 2138 Fax: 2677 0351 E-mail: castco@netvigator.com Website: www.castco.com.hk

Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 05-06-2006

Page 1 of 1 page(s)

Castco LRN: DP260525-0263 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --

Sample description: 50 mm x 95° Bend

Brand:

Manufacturer: Cheung Hing Foundry Ltd

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

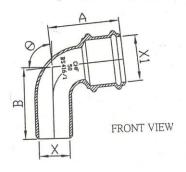
Date sample received: 25-05-2006

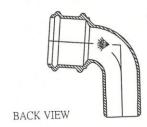
Date of test: 29-05-2006

Dimensions Check

Specimen no.: DP260525-0263

Dimensions	BS requirement from figure	Product requirement from code no. BB050A	Measured mean value
А		120 mm	120.0 mm
В		120 mm	120.0 mm
X		50 mm	50.0 mm
XI	·	75 mm	75.0 mm
θ		95°	95°
		66	<i>y</i>
4	0		





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

Checked by:

W. K. Leung

Approved signatory:

KEITH CHOI C.Eng., MHKIE MICE

Form No PIPE DIM416 T3 dd 24/08/2005

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HKAS) for specific aboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation. This report shall not be reproduced unless with prior written approval from this laboratory.



CASTCO TESTING CENTRE LTD.





Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 27-10-2005

Page 1 of 1 page(s)

Castco LRN: DP251004-0400 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Job title: --

Contract no.: --

Sample description: 75 mm x 95° Bend Manufacturer: Cheung Hing Foundry Ltd

Brand:

CHF *

Client's ref. no.: --

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

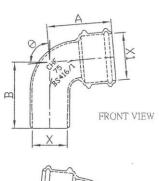
Date sample received: 04-10-2005

Date of test: 22-10-2005

Dimensions Check

Specimen no.: DP251004-0400

Dimensions	BS requirement from figure	Product requirement from code no. BB075A	Measured mean value
A	\	130 mm	128.5 mm
В		130 mm	131.0 mm
X		75 mm	76.0 mm
X1		100 mm	101.0 mm
θ		95°	95°
		00.	
		X	
		0	
NA.			





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

Checked by:

Form No. PIPE DIM416_T3 dd 24/08/2005

W. K. Leung

Approved signatory:

WILLIAM CHAU B.Sc.,C.Eng.,MICE,MHKIE

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佳力高試驗中心有限公司

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Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 27-10-2005

Page 1 of 1 page(s)

Castco LRN: DP251004-0401 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --

Sample description: 75 mm x 95° Bend with Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

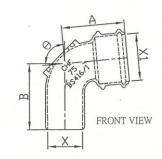
Date sample received: 04-10-2005

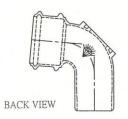
Date of test: 22-10-2005

Dimensions Check

Specimen no.: DP251004-0401

Dimensions	BS requirement from figure	Product requirement from code no. <u>BB075B</u>	Measured mean value
A		130 mm	131.0 mm
В		130 mm	131.0 mm
X		75 mm	75.0 mm
X1		100 mm	100.0 mm
θ		95°	95°
11			
-			
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Remarks:

1. Test result relates only to the specimen tested.

Checked by:

Form No. PIPE DIM416 T3 dd 24/08/200

W. K. Leung

Approved signatory:

WILLIAM CHAU B.Sc., C. Eng., MICE, MHKIE

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CASTCO TESTING CENTRE LTD.

香港粉嶺安居街33號 香港粉嶺安全街29A號

33, On Kui Street, Fanling, Hong Kong. 29A, On Chuen Street, Fanling, Hong Kong. Tel: 2677 2138



Fax: 2677 0351



Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 03 January 2015 Page 1 of 1 page

Details as supplied by client Client: Cheung Hing Foundry (HK) Limited

Client's ref. no.: --

Castco LRN: DP0141106-059 DIM

Contract no.: --

Job title: --

Sample description: 100mm x 95° Bend with Access Door

Manufacturer: Cheung Hing Foundry (HK) Limited

Brand: CHF-

Remark: Sample Submitted by: Asia Development (HK) Limited

Laboratory test result

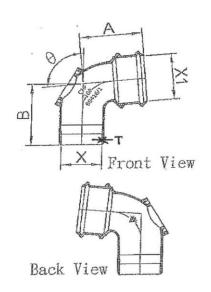
Date sample received: 06 November 2014

Date of test: 20 November 2014

Dimensions Check

Specimen no.: DP0141106-059

Dimensions	BS requirement from figure	Product requirement from code no	Measured mean value
A		155 mm	155 mm
В		170 mm	170 mm
Т	$5\binom{+0}{-1.5}$ mm		3.88 mm
X	≥99 mm	100 mm	100 mm
X1		127 mm	128 mm
	*		



Remarks:

- 1. Test result relates only to the specimen tested.
- 2. Compliance of the test results to the specification is an opinion of the laboratory and is not covered under the HOKLAS accreditation.
- 3. Test results of the sample comply with the requirement of BS416: Part 1: 1990, Clause 4.

FU HO MAN Assistant Technical Officer Checked by:

Approved Signatory:

Form No. PIPE DIM416_T3 dd 01/09/2006

Item no. DP/0501

WONG KA MAN Laboratory Manager

End of Report



CASTCO TESTING CENTRE LTD.

香港粉嶺安居街33號 香港粉嶺安全街29A號 33, On Kui Street, Fanling, Hong Kong. 29A, On Chuen Street, Fanling, Hong Kong.

Fax: 2677 0351

E-mail: castco@netvigator.com Website: www.castco.com.hk



Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 03 January 2015

Castco LRN: DP0141106-060 DIM Page 1 of 1 page

Details as supplied by client

Client: Cheung Hing Foundry (HK) Limited

Client's ref. no.: --

Contract no.: --

Job title: --

Sample description: 150mm x 95° Bend with Access Door

Manufacturer: Cheung Hing Foundry (HK) Limited

Brand: CHF-

Remark: Sample Submitted by: Asia Development (HK) Limited

Laboratory test result

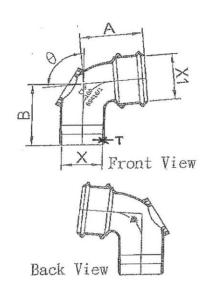
Date sample received: 06 November 2014

Date of test: 20 November 2014

Dimensions Check

Specimen no.: DP0141106-060

Dimensions	BS requirement from figure	Product requirement from code no	Measured mean value
A		190 mm	195 mm
В		220 mm	224 mm
Т	$5 \binom{+0}{-1.5} \text{mm}$		4.48 mm
X	≥150 mm	150 mm	150 mm
X1		181 mm	182 mm
	4		



Remarks:

- 1. Test result relates only to the specimen tested.
- 2. Compliance of the test results to the specification is an opinion of the laboratory and is not covered under the HOKLAS accreditation.
- 3. Test results of the sample comply with the requirement of BS416: Part 1: 1990, Clause 4.

FU HO MAN Checked by: ssistant Technical Office

Approved Signatory:

Form No. PIPE DIM416_T3 dd 01/09/2006

Item no. DP/0501

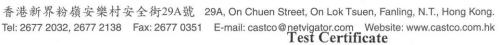
WONG KA MAN Laboratory Manager

HKAS has accredited this laboratory (Reg. No. 032 - TEST) under HOKLAS for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. This report shall not be reproduced unless with prior written approval from this laboratory. This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005. accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communique dated January 2009)

End of Report



CASTCO TESTING CENTRE LTD.





Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 18-04-2006

Page 1B of 1 page(s)

Castco LRN: DP251118-0541 DIM

Details as supplied by client

Client: Cheung Hing Foundry Limited

Job title: --

Contract no.: --

Sample description: 75 mm x 45° Bend with Access Door

Manufacturer: Cheung Hing

ing

Brand:

CHF *

Client's ref. no.: --

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

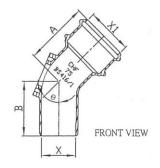
Date sample received: 18-11-2005

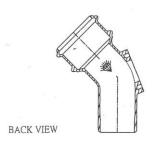
Date of test: 18-11-2005

Dimensions Check

Specimen no.: DP251118-0541

Dimensions	BS requirement from figure	Product requirement from code no. BA075B	Measured mean value
A		139 mm	139.0 mm
В		120 mm	120.0 mm
X		75 mm	76.0 mm
X1		100 mm	100.5 mm
θ		45°	45°
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Remarks:

- 1. Test result relates only to the specimen tested.
- This page of report supersedes page 1A of previous test certificate of Castco LRN: DP251118-0541 DIM.

Checked by : W.K. LEUNG	Approved signatory :	(}
Form No. PIPE DIM416_T3 dd 24/08/2005		KEITH CHOI C.Eng., MHKIE MICE
		Laboratory Engineer

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Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 07-09-2005

Page 1 of 1 page(s)

Castco LRN: DP250824-0300 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --

Sample description: 100mm x 45° Bend with Access Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

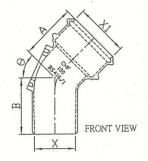
Date sample received: 24-08-2005

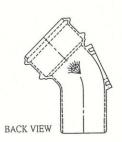
Date of test: 29-08-2005

Dimensions Check

Specimen no.: DP250824-0300

Dimensions	BS requirement from figure	Product requirement from code no. <u>BA100B</u>	Measured mean value
Α		135 mm	135.0 mm
В		135 mm	135.5 mm
X		100 mm	100.0 mm
X1		127 mm	127.0 mm
θ		45°	45.0°
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Remarks: 1. Test result relates only to the specimen tested.

Checked by:

Form No. PIPE DIM416 T3 dd 24/03

W. K. Leung

Approved signatory:

B.Sc., C. Eng., MICE, MHKIE Registered Professional Engineer

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Sci General Manager pecific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation. This report shall not be reproduced unless with prior written approval from this laboratory.



CASTCO TESTING CENTRE LTD.





Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 07-09-2005

Page 1 of 1 page(s)

Castco LRN: DP250824-0301 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

.: -- Job title : --

Sample description: 150mm x 45° Bend with Access Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

CHF *

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

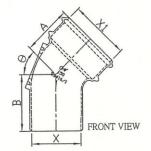
Date sample received: 24-08-2005

Date of test: 29-08-2005

Dimensions Check

Specimen no.: DP250824-0301

Dimensions	BS requirement from figure	Product requirement from code no. <u>BA150B</u>	Measured mean value
Α		150 mm	151.0 mm
В		170 mm	171.0 mm
X		150 mm	150.5 mm
X1		181 mm	182.0 mm
θ		45°	45.5°
		00	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		





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

Checked by:

Form No. PIPE DIM416_T3 dd 24/08/2005

W. K. Leung

Approved signatory:

W.K.LEE B.Sc., C. Eng., MICE, MHKIE Registered Professional Engineer

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CASTCO TESTING CENTRE LTD.





Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 07-09-2005

Page 1 of 1 page(s)

Castco LRN: DP250824-0304 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --

Sample description: 100mm x 95° Medium Radius Bend with Access Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

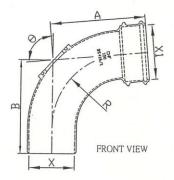
Date sample received: 24-08-2005

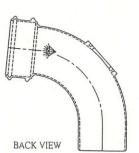
Date of test: 31-08-2005

Dimensions Check

Specimen no.: DP250824-0304

Dimensions	BS requirement from figure	Product requirement from code no. <u>BC100B</u>	Measured mean value
Α		220 mm	220.5 mm
В		220 mm	219.5 mm
X		100 mm	100.5 mm
X1		127 mm	128.0 mm
R		144 mm	144.0 mm
θ		95°	95.5°
		60	
		V)'	





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

Checked by:

W. K. Leung

Approved signatory:

B.Sc., C. Eng., MICE, MHKIE Registered Professional Engineer

Form No. PIPE DIM416_T3 dd 24/08/2005

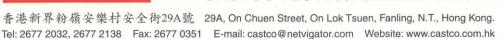
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佳力高試驗中心有限公司

CASTCO TESTING CENTRE LTD.





Test Certificate

Dimension check on discharge and ventilating pipes and fittings, sand-cast or spun in cast iron

(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 27-10-2005

Page 1 of 1 page(s)

Castco LRN: DP251004-0397 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Sample description: 100 mm x 300 R Large Radius Bend with Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

Laboratory test result

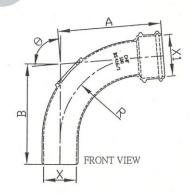
Date sample received: 04-10-2005

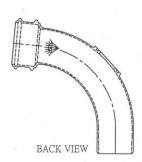
Date of test: 24-10-2005

Dimensions Check

Specimen no.: DP251004-0397

Dimensions	BS requirement from figure	Product requirement from code no. <u>BD100B</u>	Measured mean value
A		330 mm	330.5 mm
В		320 mm	321.0 mm
R		250 mm	250.0 mm
Х		100 mm	100.0 mm
X1		127 mm	127.0 mm
θ		95°	95°
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Remarks: 1. Test result relates only to the specimen tested.

Checked by:

W. K. Leung

Approved signatory:

WILLIAM CHAU B.Sc., C.Eng., MICE, MHKIE Technical Manager

Form No. PIPE DIM416_T3 dd 24/08/200:

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(Based on BS416: Part 1: 1990, Clause 4)

Date of issue: 27-10-2005

Page 1 of 1 page(s)

Castco LRN: DP251004-0398 DIM

Details as supplied by client

Client: Cheung Hing Foundry Ltd

Client's ref. no.: --

Contract no.: --

Job title: --Sample description: 150 mm x 300 R Large Radius Bend with Door

Manufacturer: Cheung Hing Foundry Ltd

Brand:

Remark: Sample Submitted by: Asia Development (HK) Ltd.

Laboratory test result

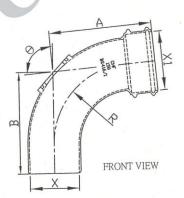
Date sample received: 04-10-2005

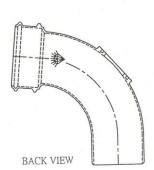
Date of test: 24-10-2005

Dimensions Check

Specimen no.: DP251004-0398

Dimensions	BS requirement from figure	Product requirement from code no. <u>BD150B</u>	Measured mean value
A		335 mm	335.5 mm
В		313 mm	314.0 mm
R		240 mm	240.0 mm
X		150 mm	150.0 mm
X1		181 mm	181.0 mm
θ		95°	95°
-			





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

Checked by:

Approved signatory:

WILLIAM CHAU B.Sc., C. Eng., MICE, MHKIE

Form No. PIPE DIM416_T3 dd 24/08/2005

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