

550X550X125 Double Triangle-(5 ton)

CASTCO**佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.**

香港粉嶺安居街33號 3/F, On Kui Street, Fanling, Hong Kong.
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Test Certificate

Mass Determination and Loading Test to Cast Iron Drainage Goods
(Tested to G.S. for C.F. Works : 1992 : Cl. 5.94(2) and Appendix 5.3)

Date of issue : 20-10-2006

Page 1 of 1 page

Castco Lab. Ref No.: DP260925-0627 MISCEL

Details as supplied by the client

Client: Cheung Hing Foundry Ltd.

Client's Ref. No.: --

Contract No.: -- Title: --

Sample Description: 550 Clear Opening x 125 Height Cast Iron Double Triangle Manhole Cover & Frame

Grade: medium duty

Laboratory Test Result

Date received: 25-09-2006

Date tested: 30-09-2006

Dia. of bearing block : 100 mm

Specimen No.	Specimen Description	Grade claimed by client	Measured mass (kg)	Loading Test (Test load maintained for 30 sec)		
				Test load (kN)	Loading test result (passed/failed)	Observation
DP260925-0627	550 Clear Opening x 125 Height Cast Iron Double Triangle Manhole Cover & Frame	Medium duty	--	49.1 (5 tonnes)	Passed	N/V

Legend :

FC - Fracture at cover.

FF - Fracture at frame.

N/V No visible fracture.

Remarks:

1. Test result relates only to the specimen tested.
2. Compliance criterion as specified in Clause 5.95 : Manhole covers and gully gratings shall withstand the test load without fracture or cracking.

Checked by:

Certified by:

Form No. STL-MANHOLE_GS_T1 dd 15/07/2003

Item no. DP/0421

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KEITH CHOI
C.Eng., MHKIE MICE
Laboratory Engineer

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific 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.

550X550X150 Double Triangle-(30 ton)

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HOKLAS 032
HKAS 007

Test Certificate

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Date of issue : 13-06-2006

Page 1 of 1 page

Castco Lab. Ref. No.: DP260607-0294 MISCEL

Details as supplied by the client

Manufacturer : Cheung Hing Foundry Limited

Client : Cheung Hing Foundry Limited

Client's Ref. No.: --

Contract No.: --

Job Title : --

Sample Description: 550 mm x 550 mm Clear Opening x 150 Height Cast Iron Double Triangle Manhole Cover and Frame

Grade: heavy duty

Brand name: CHF

Laboratory Test Result

Date received: 07-06-2006

Date tested: 07-06-2006

Dia. of bearing block : 300 mm

Specimen No.	Specimen Description	Grade claimed by client	Measured mass (kg)	Loading Test (Test load maintained for 30 sec)		
				Test load (kN)	Loading test result (passed/failed)	Observation
DP260607-0294	550 mm x 550 mm Clear Opening x 150 Height Cast Iron Double Triangle Manhole Cover and Frame	Heavy Duty	--	294.3	Passed	N/V

Legend :

FC - Fracture at cover.

FF - Fracture at frame

N/V - No visible fracture.

Remarks:

1. Test result relates only to the specimen tested.
2. Compliance criterion as specified in Clause 5.95 : Manhole covers and gully gratings shall withstand the test load without fracture or cracking.

Checked by:

W. K. Leung

Certified by:

K. C. SIN
B.Sc., C.Eng., MICE, MHKIE
Technical Manager

Form No. ST/MA/HOLE_GS_T1 0015/07/2003

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750X900X165 Double Triangle-(30 ton)

CASTCO**佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.**

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Test Certificate

Mass Determination and Loading Test to Cast Iron Drainage Goods
(Tested to G.S. for C.E. Works : 2006 : Cl. 5.95(2) and Appendix 5.3)

Date of issue : 05 January 2016

Page 1 of 1 page(s)

Castco LRN : DP0151202-005 MISCEL

Details as supplied by the customer

Customer: Cheung Hing Foundry (HK) Limited

Customer's Ref. No.: --

Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, NT, HK

Title: --

Contract No.: --

Sample Description: 750mm x 900mm Clear Opening x 165mm Height Cast Iron Double Triangle Manhole Cover & Frame

Grade: Heavy Duty

Laboratory Test Result

Date received: 02 December 2015

Date tested: 08 December 2015

Dia. of bearing block : 300 mm

Specimen No.	Specimen Description	Grade claimed by customer	Measured mass (kg)	Loading Test (Test load maintained for 30 sec)		
				Test load (kN)	Loading test result (passed/failed)	Observation
DP0151202-005	750mm x 900mm Clear Opening x 165mm Height Cast Iron Double Triangle Manhole Cover & Frame	Heavy Duty	Cover: 304.2 Frame: 166.0	294.3 (30 Tonnes)	Passed	N/V

Legend :

FC - Fracture at cover.

FF - Fracture at frame.

N/V No visible fracture.

Remarks:-

1. Test result relates only to the specimen tested.
2. Compliance criterion is specified in Clause 5.96 : Manhole covers and gully gratings shall withstand the test load without fracture or cracking.
3. Compliance of the test results to the specification is an opinion of the laboratory and is not covered under the HOKLAS accreditation.
4. Test results of the sample comply with the requirement of G.S. for C.E. Works : 2006 : Cl. 5.95(2) and Appendix 5.3.
5. Sample submitted by: Asia Development (HK) Limited
6. Manufacturer : Cheung Hing Foundry (HK) Limited

Checked by:

SIT KWAN NING
Laboratory Supervisor

Approved Signatory:

End of Report**WONG KA MAN**
Laboratory Manager

Form No. PIP MANHOLE_GS_T2 dd 08/10/2010

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