

550X550X115 Recessed Type-(5 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 : 1992 : Cl. 5.94(2) and Appendix 5.3)

Date of issue : 28-02-2005

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Castco Lab. Ref. No.: DP250207-0048 MISCEL

Details as supplied by the client

Client: Cheung Hing Foundry Limited

Client's Ref. No.: --

Contract No.: --

Title: --

Sample Description: 550mm x 550mm clear opening x 115mm height cast iron double seal recessed type manhole cover & frame.

Grade: medium

Brand: CHF

Manufacturer: Cheung Hing Foundry Ltd.

Laboratory Test Result

Date received: 07-02-2005

Date tested: 07-02-2005

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	Loading test result (passed/failed)	Observation
DP250207-0048	550mm x 550mm clear opening x 115mm height cast iron double seal recessed type manhole cover & frame.	Medium duty	--	49.1 (5 ton)	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.
3. This report supersedes previous test certificate of Castco LRI: DP250207-0048 MISCEL.

Checked by: _____

W.K. LEUNG

Certified by: _____

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

Form No. : IL M. ANHOLE_GS_T1 dd 15/07/2003

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 Recessed Type-(20 ton)

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Test Certificate

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

Date of issue : 10-11-2006

Page 1A of 1 page

Castco Lab. Ref. No.: DP261025-0735 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 150 Height Cast Iron Double Seal Recessed Type Manhole Cover & Frame

Grade: heavy duty

Laboratory Test Result

Date received: 25-10-2006

Date tested: 01-11-2006

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
DP261025-0735	550 Clear Opening x 150 Height Cast Iron Double Seal Recessed Type Manhole Cover & Frame	Heavy duty	--	196.2 (20 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.
3. Compliance of the test results to the specification is an opinion of the Laboratory and is not covered under the HOKLAS accreditation.
4. This report supersedes previous test report of Castco LRN: DP261025-0735 MISCEL.

Checked by:

K. N. SIT

Certified by:

CHOI KA FAT
B.Sc., C. Eng., MICE, MHKIE
Registered Professional Engineer
Deputy General Manager

Form No. STL MANHOLE_GS_T1 dd 15/07/2003

Item no. DP/041

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