

517X432X100Double Trianglar Gully-(20 ton)

CASTCO

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Test Report

Manhole Steps - Mass Determination & Loading Test of Manhole Covers, Gully Gratings & Kerb Overflow Weirs

[General Specification for Civil Engineering Works (2006) Cl. 5.95(2) and App. 5.3]

Date of issue: 10 December 2019

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Castco LRN: DP0191121-171 MISCEL

Details as supplied by the customer

Customer: Cheung Hing Foundation (HK) Limited

Customer's Ref. No.: --

Address: 229 Pak Sha Tsuen, Kung Lok Road, Yuen Long, N.T.

Contract No.: --

Title: --

Sample Description: 517 mm x 432 mm (Clear Opening) x 100 mm (Height) Double Triangular Gully Grating and Frame, Type GA1-450

Grade: heavy duty

Laboratory Test Result

Date received: 21 November 2019

Date tested: 09 December 2019

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
DP0191121-171	517 mm x 432 mm (Clear Opening) x 100 mm (Height) Double Triangular Gully Grating and Frame, Type GA1-450	Heavy duty	Cover : 60.1 Frame : 41.1	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 5.96 : Manhole covers and gully gratings shall withstand the test load without fracture or cracking.
3. 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 (effect of measurement uncertainty has not been taken into account).
4. Brand : CHF

Checked by: _____

LEUNG HONG YU
Assistant Technical Officer

Approved Signatory: _____

WONG KA MAN
Senior Manager

End of Report

Form No. DP191121-ANHOLE_GS_T2 dd 02/07/2019 /33