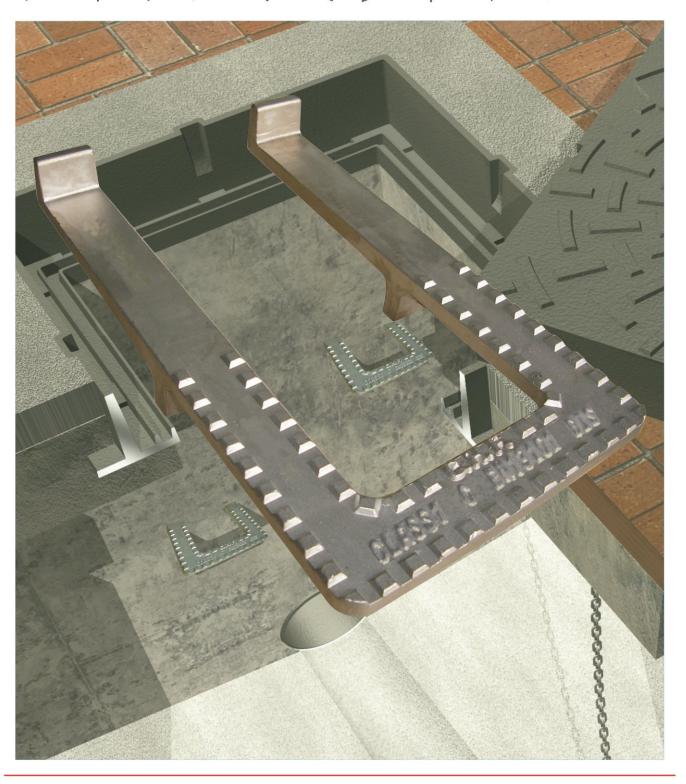
Manhole Step Iron CHF



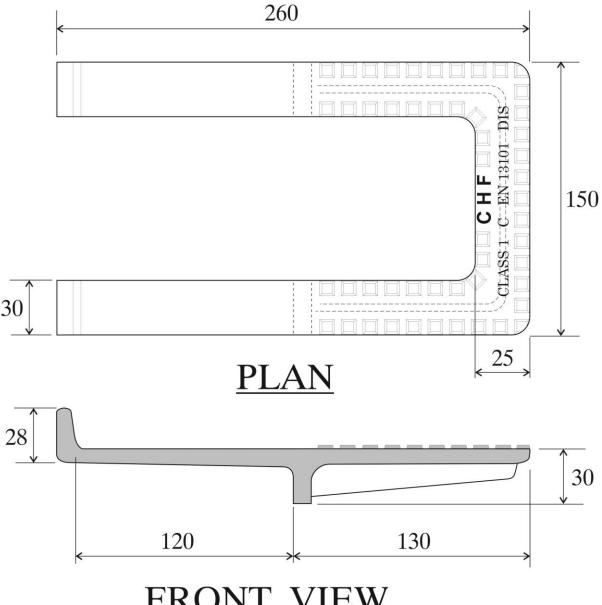
Galvanized D. I.: CLASS 1 C EN 13101 DIS 鍍鋅球。墨。鑄鐵沙井腳踏





CHE Manhole Step Iron - Galvanized

鍍鋅球墨鑄鐵沙井腳踏



FRONT VIEW

Standard: BS EN 13101: 2002

Functions: To provide step-like access to underground sewage system through the

opening of manhole for servicing and maintenance.

Hot-dipped galvanization enhances rust-resistance. (BS EN ISO 1461:2009, Table 3)

Ductile iron has the ability to withstand greater loading pressure.



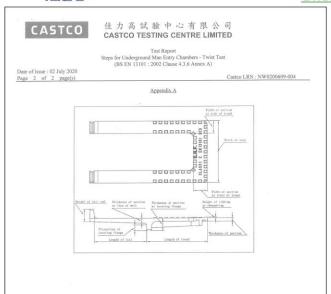
CHE Manhole Step Iron - Galvanized

鍍鋅球墨鑄鐵沙井腳踏



HOKLAS Endorsed Test Certificates

Twist Test



| | Test Report | | |
|---|---|--|--|
| | ground Man Entry Chamb 3101: 2002 Clause 4.3.6 | | |
| Date of issue : 02 July 2020 | 3101 : 2002 Clause 4.3.0 / | Annex A) | |
| Page 1 of 2 page(s) | | Castco LRN: NW0200609-004 | |
| Details as supplied by customer | | 660000 (8000000 1 parties 1 parties 1 | |
| Customer: Cheung Hing Foundry (HK) Limited | | Customer's ref, no. : | |
| Address: 299 Pak Sha Tsuen, Kwun Um Road, Yuen | Long, N. T. | Contract no. : | |
| Job title : | | | |
| Sample description : Hot Dip Galvanized Ductile Iron | Step Iron | | |
| Manufacturer : Cheung Hing Foundry (HK) Limited | | | |
| Brand name : CHF Sample submitted by : Asia Development (HK) Limit | , | | |
| Laboratory test results | a . | | |
| Date of sample received: 09 June 2020 | | Date of test: 12 June 2020 | |
| Date of Jampie received , 65 June 2020 | | | |
| | | | |
| Specimen no. | | 1 | |
| | | | |
| | | | |
| Maximum difference of height of front edge of the thread from | urface (mm) | 1.22 | |
| reacting directors of neight of front edge of the anead non- | uriace (min) | 1.44 | |
| | | | |
| | The height of th | he front edge of the tread from the level surface shall not vary along | |
| Requirement | The seight of the | its length of the front edge of the freda front the level surface shall not vary along | |
| | | | |
| | | | |
| Remark(s): | | | |
| Test results relate only to the specimen tested. | CDC ENTINES ASSOCIA | | |
| Test results of sample comply with the requirement | of BS EN 13101 : 2002 Cl | ause 4.3.6 (effect of easurement uncertainty has not | |
| been taken into account). | | | |
| | | | |
| / | | | |
| FU HO MAN | | WONG KA MAN Sonice Manager | |
| | Certified by : | Sonice Manager | |
| Checked by : Assessed Technical Nameur | | | |

Zine Coating Test

CASTCO CASTCO TESTING CENTRE LIMITED 香港龄積安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2597 8333 香港龄積安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2597 8399 HDKLAS 032 TEST REPORT Determination of Zinc and Zinc Alloy Coatings on Iron and Steel Articles by Gravimetric Method (BS EN ISO 1460 : 1995) Page 1 of 1 pages Castco LRN: MS0200612-2 Sample details as supplied by customer Customer Ref. No.: --Customer: Cheung Hing Foundry (HK) Limited Address: 299 Pak Sha Tsuen, Kung Um Road, Yuen Long, Hong Kong Sample Description: Hot Dip Galvanized Ductile Iron Step Iron Place of Sampling: --Sample Identification No.: --Manufacturer: Cheung Hing Foundry (HK) Limited Brand name: CHF Laboratory test result Test Period: 19-06-2020 Date Received: 12-06-2020 12-2 (1) 12-2 (2) Specimen No.

633 Average mass of coating for specimens g/m² 649

Remarks: 1. Test results relate only to the specimens tested
2. Average thickness of coating for specimen is 11mm.
3. Test results of the specimen comply with BS EN ISO 1461:2009, Table 3, articles and its thickness for Steel >6mm, minium of mean coating mass; 610g/m².

End of Report



CHF Manhole Step Iron - Galvanized

鍍鋅球墨鑄鐵沙井腳踏



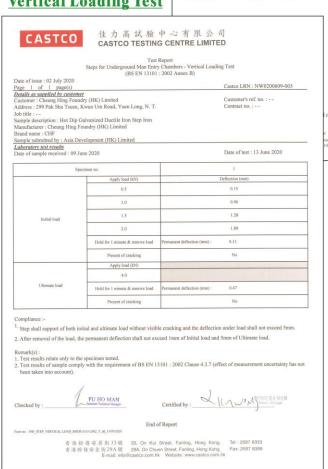
HOKLAS Endorsed Test Certificates

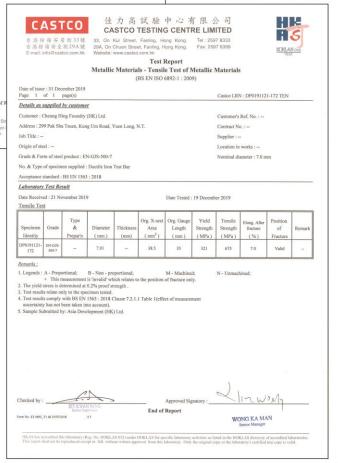
Pull-out Test

| Test Report Steps for Underground Man Entry Chambers - Resistance to Pull-out (BS EN 13101 : 2002 Annex D) | | |
|--|---|--|
| | | |
| Page 1 of 1 page(s) | Castco LRN: NW0200609-006 | |
| Details as supplied by customer | Control of the | |
| Customer: Cheung Hing Foundry (HK) Limited Address: 299 Pak Sha Tsuen, Kwun Um Road, Yuen Long, N. T. | Customer's ref. no. : Contract no. : | |
| Address: 299 Pak Sna Tsuen, Kwun Om Road, Yuen Long, N. 1. | Contract no | |
| Sample description : Hot Dip Galvanized Ductile Iron Step Iron | | |
| Manufacturer : Cheung Hing Foundry (HK) Limited | | |
| Brand name : CHF | | |
| Sample submitted by : Asia Development (HK) Limited | | |
| Laboratory test results | | |
| Date of sample received: 09 June 2020 | Date of test: 13 to 27 June 2020 | |
| Specimen no. | 2 | |
| Nominal dimensions of concrete block (mm) | 100 x 200 x 250 | |
| Date of concrete block casted | 13/06/2020 | |
| Age of concrete blockt at test (days) | 14 | |
| Apply the load of 5 kN and sustain for 1 minute | Step resisted the load | |
| Requirement | Step shall resist a force of 5kN | |
| Remark(s): | | |
| Test results relate only to the specimen tested. Test results of sample comply with the requirement of BS EN 13101: 200 | 2 Clause 4.3.9 (effect of measurement uncertainty has not | |

Vertical Loading Test

Tensile Test







CHEUNG HING FOUNDRY (HK) LIMITED

Address: 299, Pak Sha Tsuen,

Kung Um Road, Yuen Long, Hong Kong Tel: (852) 2447-1262 Fax: (852) 2447-0198

地址:香港 元朗公庵路 白沙村 299 號 Email: chf@chfhk.com http://www.chfhk.com

祥興鑄鐵有限公司