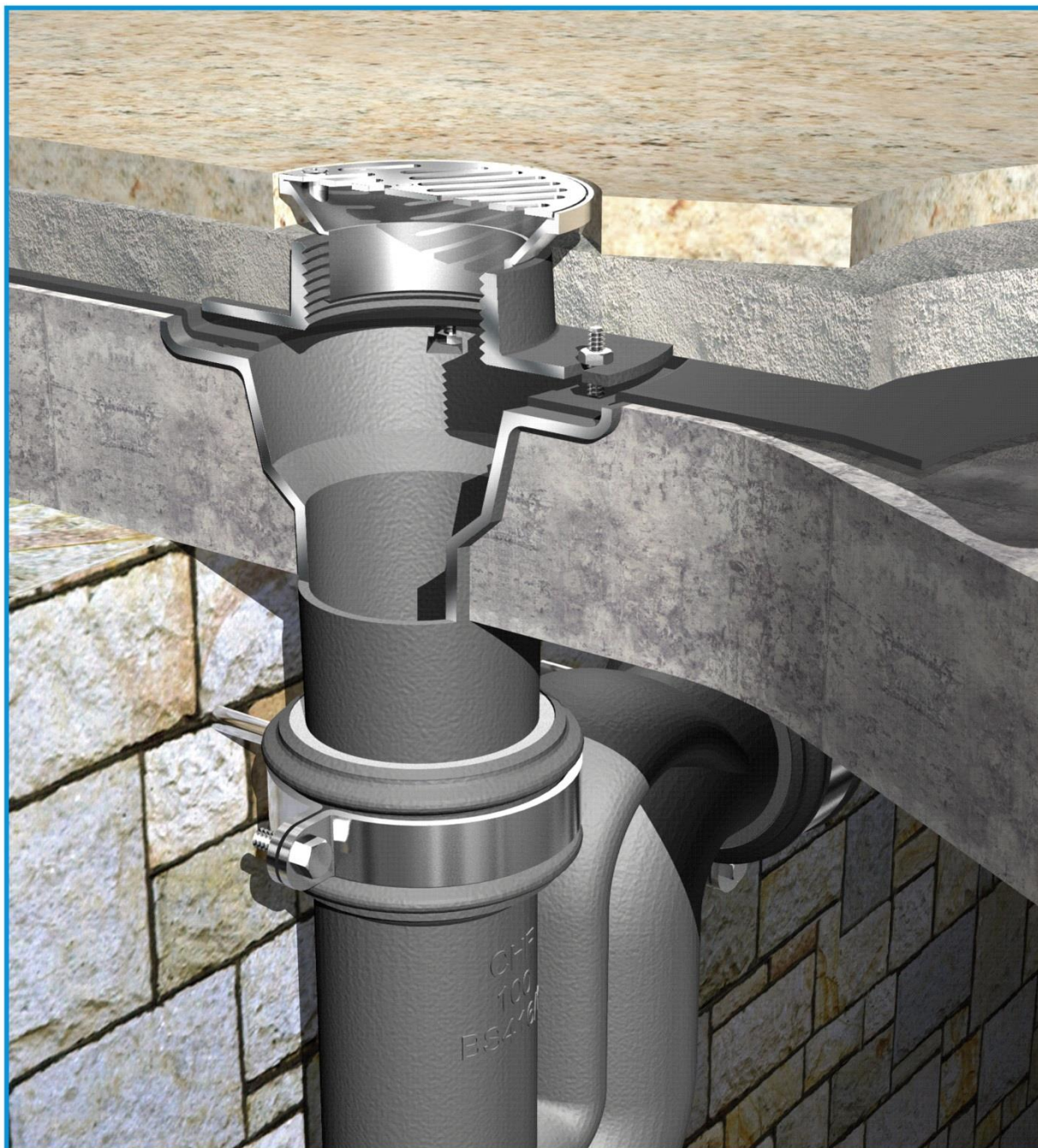


# CHF WINCOB - RAINWATER OUTLET

For Above Ground Surface, Floor, Rooftop and Other Areas

Design Registration in Hong Kong: No. 97/00630.2

Design Registration in United Kingdom: No. 2066372



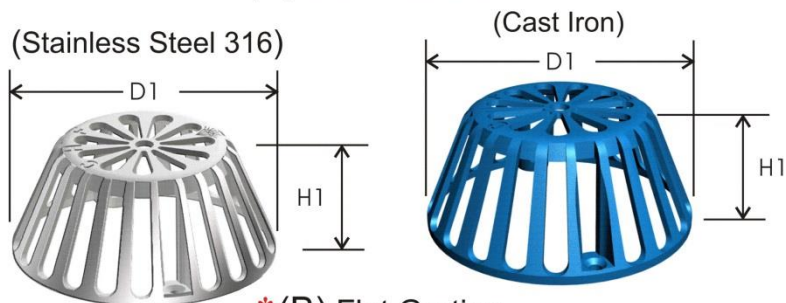
*All drawings are for reference only.*



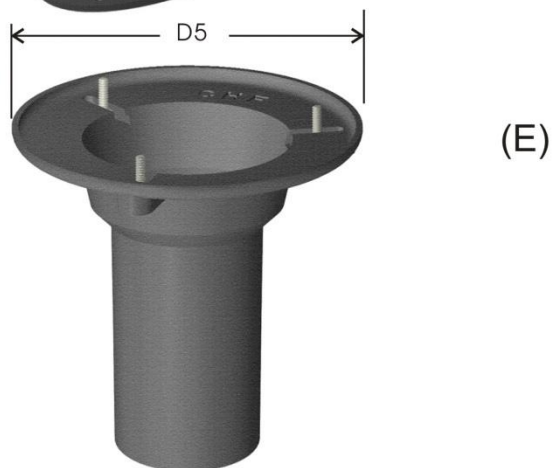
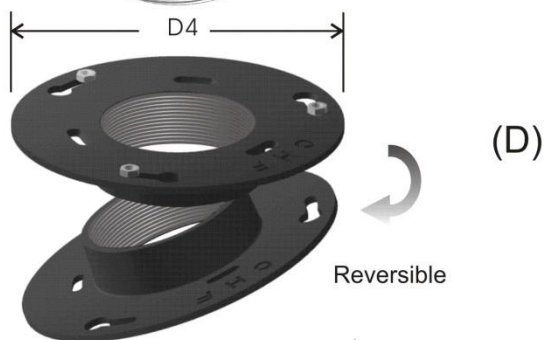
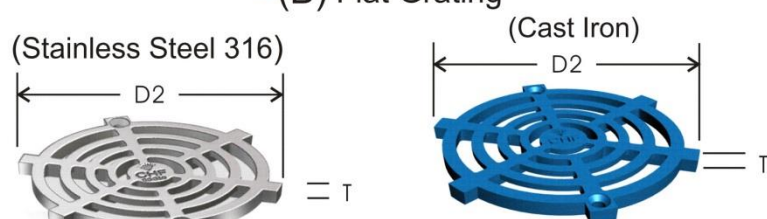
祥興鑄鐵有限公司  
CHEUNG HING FOUNDRY (HK) LIMITED

With Stainless Steel / Cast Iron Dome Strainer or  
Stainless Steel / Cast Iron Flat Grating  
for Above Ground Surface, Floor, Rooftop and Other Areas

## \* (A) Dome Strainer



## \* (B) Flat Grating



**\*Both are interchangeable**

Code No.	Materials	Cast Iron Outlet	(A) Dome Strainer	
		DN mm	External Diameter D1 ( mm )	Height H1 ( mm )
HBH075	Comply with BS EN 1561:2011 EN-GJL-150	75	180	80
HBH100		100	180	80
HBH150		150	225	105
HBX075	Stainless Steel 316	75	180	80
HBX100		100	180	80
HBX150		150	225	105

Code No.	Materials	Cast Iron Outlet	(B) Flat Grating	
		mm	D2 ( mm )	T ( mm )
HBG 075	Comply with BS EN 1561:2011 EN-GJL-150	75	180	9
HBG 100		100	180	9
HBG 150		150	225	12
HBW075	Stainless Steel 316	75	180	9
HBW100		100	180	9
HBW150		150	225	12

Code No.	Cast Iron Outlet	(C) Funnel	
		Nickel-plated Brass with Male Thread	
	mm	D3 mm	H2 mm
HCJ#1A	75	180	60
HCJ#1A	100	180	60
HCJ#2	150	225	60

Code No.	Outlet	(D) Cast Iron Collar with Female Thread		
		Comply with BS EN 1561:2011 EN-GJL-150		
	DN	Internal Female Thread	D4 External Diameter	Height
HCL #1	mm	inch	mm	mm
HCL #1	75	4	220	40
HCL #1	100	4	220	40
HCL #2	150	6	270	40

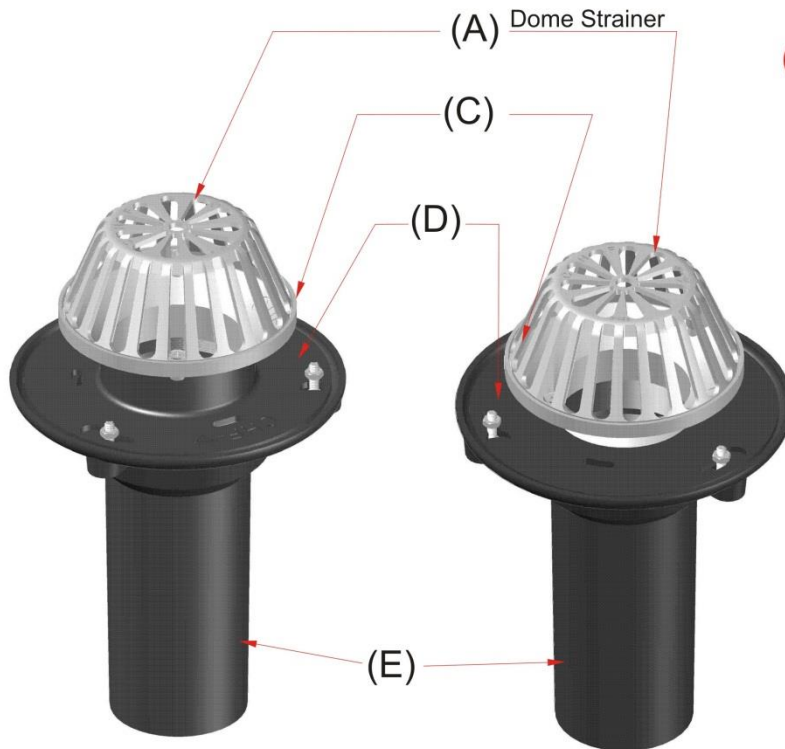
Code No.	Outlet	(E) Outlet Body Cast Iron	
		Comply with BS EN 1561:2011 EN-GJL-150	
	DN	D5 External Diameter	Height
HBFO75	mm	mm	mm
HBFO75	75	265	300
HBFO100	100	265	300
HBFO150	150	320	300



# CHF<sup>®</sup> WINCOB - RAINWATER OUTLET

For Above Ground Surface, Floor, Rooftop and Other Areas

## TECHNICAL SPECIFICATION



### (A&B) Grating - Stainless Steel (for DN 75, 100, 150 outlet)

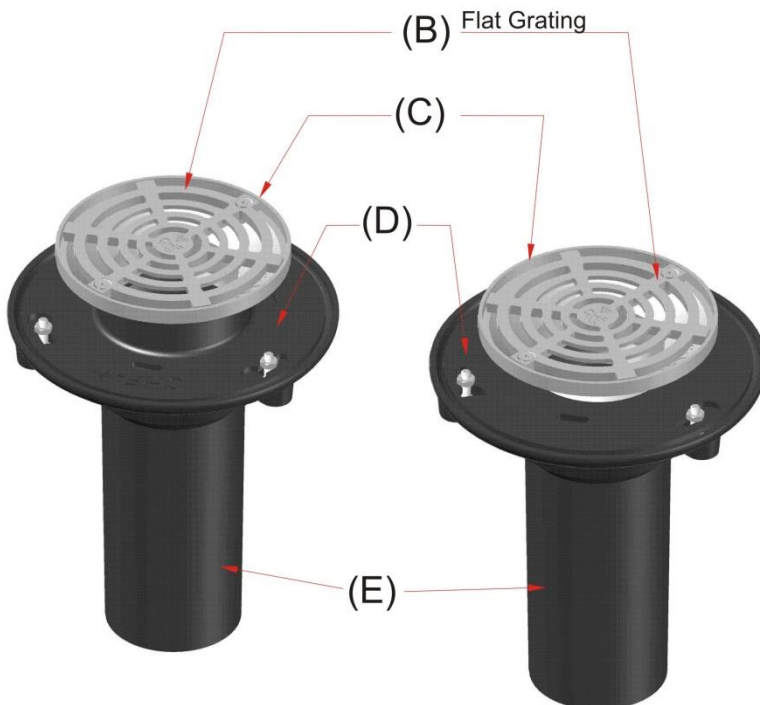
The grating prevents debris, chippings and other objects from blocking the outlet, whilst still allows a free flow of rainwater and surface water through to the sump.

### (C) Funnel - Nickel-plated Brass (Male threaded)

The threaded funnel with grating can be screwed onto the reversible collar and adjusted to a desirable height.

### (D) Collar - Cast Iron (Female threaded)

This cast iron reversible collar can be fixed onto the throat of the outlet by screws from either end to adjust the height. The locking points can eliminate unnecessary movement of the collar whilst the seepage holes can further collect unwanted water seeped through the bed of concrete.



### (E) Outlet Body - Cast Iron

This cast iron outlet body ensures an adequate head of water for an efficient flow in the rainwater and drainage systems.

All drawings are for reference only.



祥興鑄鐵有限公司  
CHEUNG HING FOUNDRY (HK) LIMITED

**CASTCO**

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

香港德輔道中53號 33, On Koi Street, Tsimshatsui, Hong Kong Tel: 2677 2138  
香港德輔道中29A號 29A, On Chuen Street, Tsimshatsui, Hong Kong Fax: 2677 0351  
E-mail: castco@hoklas.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)

**HOKLAS**

香港測量師學會  
The Hong Kong Surveying and Measurement Society

Date of issue : 27-09-2007  
Page 1A of 1 page  
Castco LRN : DP270910-0656 DIM

**Details as supplied by client**

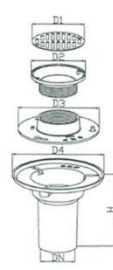
Client : Cheung Hing Foundry Ltd. Job title : -- Client's ref. no. : --  
Contract no. : --  
Sample description : DN100mm x 300mm H Wincob - Rainwater Outlet  
Manufacturer : Cheung Hing Foundry Ltd. Brand **CHF**  
Remark : Sample Submitted by : Asia Development (H.K.) Ltd.

**Laboratory test result**

Date sample received : 10-09-2007 Date of test : 10-09-2007

**Dimension Check**  
Specimen no. : DP270910-0656

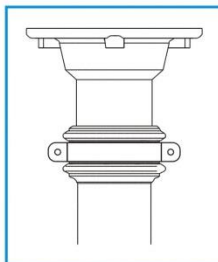
Dimensions	BS requirement from figure table 1	Product requirement from code no. HCA100	Measured mean value
D1	---	150 mm	152 mm
D2	---	158 mm	158 mm
D3	---	220 mm	222 mm
D4	---	265 mm	264 mm
DN	≥ 99 mm	100 mm	100 mm
H	---	300 mm	302 mm



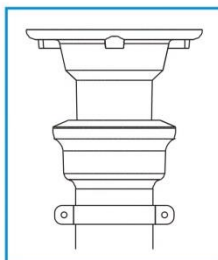
Remarks :  
1. Test result relates only to the specimen tested.  
2. Test results of the sample comply with the requirement of BS416 : Part 1 : 1990, Clause 4.  
3. Compliance of the test results to the specified standards is an opinion of the laboratory and is not covered under the HOKLAS accreditation.  
4. This page of report supersedes page 1 of previous test certificate of Castco LRN: DP270910-0656 DIM.

Checked by : K. N. SIU Approved Signatory : CHOI TZE WING  
Form No. PVE 2004-1, 71 of 10/09/2004 (Rev. 01/01/2005) C.Eng., M.Eng., M.I.C.E.  
Laboratory Engineer

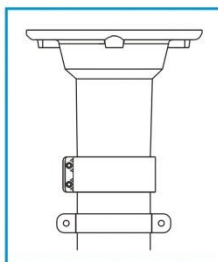
Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance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



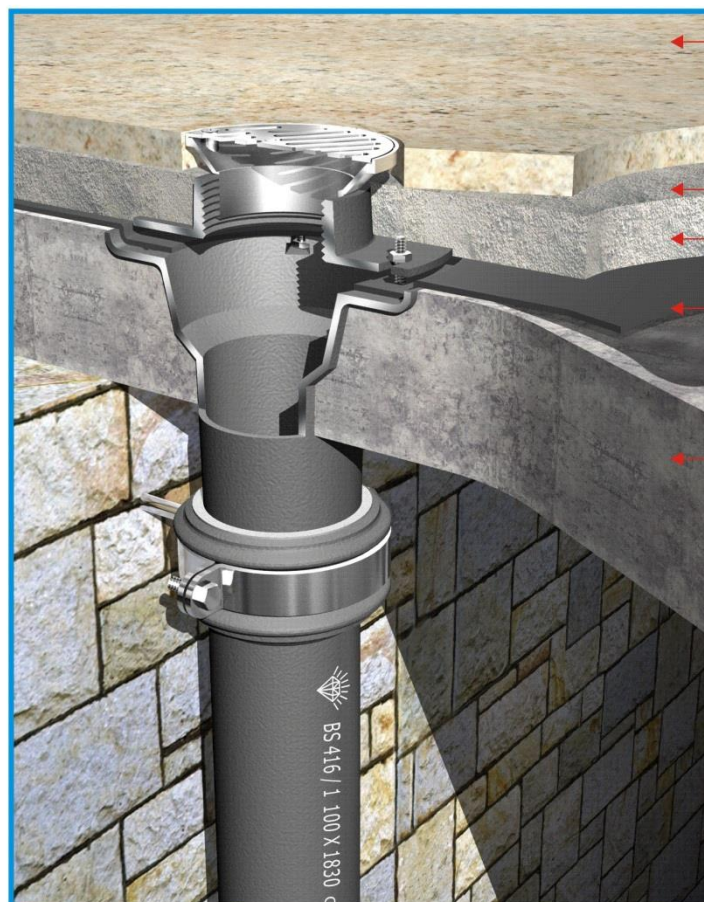
Connect to BS416 Pipework



Connect to BS437 Pipework



Connect to BSEN877 Pipework



Finished Flooring

Cement Mortar

Waterproof Membrane

Asphalt with Reflective Paint

Reinforced Concrete Slab