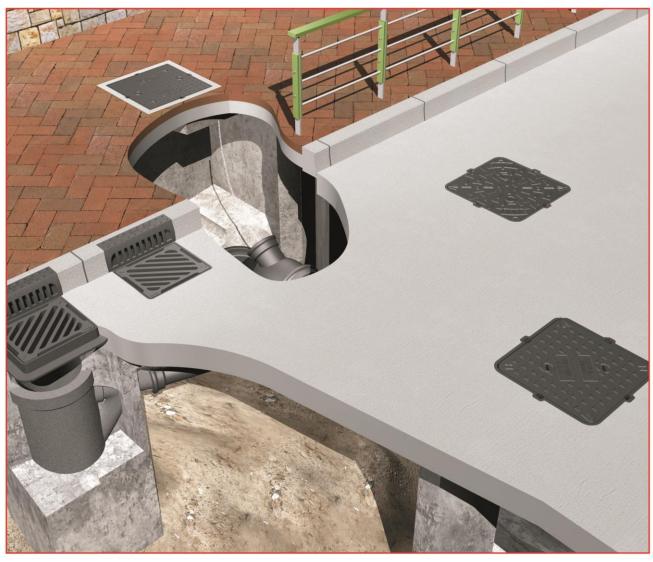


## **Eco-Cast Iron**

Double-Triangular & Desilting Manhole Cover and Frame, Road Gully Gratings/Kerb Overflow Weirs / Double Seal Manhole Cover and Frame

## 生鐵雙三角沙井蓋板 馬路邊梳冷/櫈仔及雙止口沙井蓋板

"General Specification for Civil Engineering Works"



Cast Iron Double-Triangular & Desilting Manhole Cover and Frame 生鐵雙三角沙井蓋板



Cast Iron Kerb Overflow Weir 生鐵馬路邊櫈仔



Cast Iron Road Gully Gratings 生鐵馬路邊梳冷







# **EcoCast Iron Double-Triangular & Desilting Manhole Cover and Frame**



## 生鐵雙三角沙井蓋板

Standard : "General Specification for Civil Engineering Works"

published by the Civil Engineering and Development Department,

The Government of the HKSAR.

Functions : Designated to be used in Government roadway drainage projects.

Applications : For Storm Water (with circumscribed raised stubs on the cover)

For Foul Water (with rectangular raised stubs on the cover)

Material: Cast Iron Symbol EN GJL-150 of BS EN 1561: 1997

#### Details of manhole covers and frames

		Test requirem	ents
Type of manhole cover and Frame	Grade	Diameter of test block (mm)	Test load (t)
Double triangular manhole cover and frame	Medium duty	100	5
Double triangular manhole cover for sewers	Heavy duty	300	30
Frame	Heavy duty	300	30
Double Triangular desilting	Heavy duty	300	30
Frame	Heavy duty	300	30

#### STORM WATER 清水

### FOUL WATER 污水





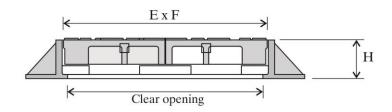


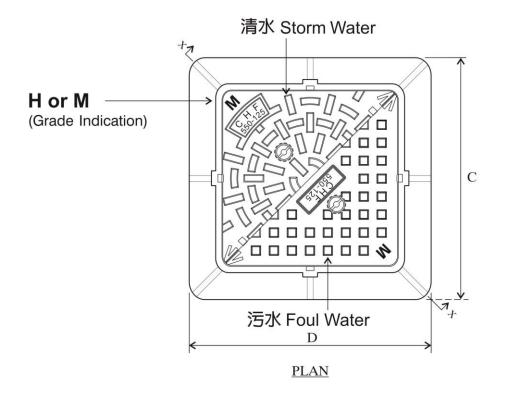
## **EcoCast Iron Double-Triangular & Desilting Manhole Cover and Frame**



## 生鐵雙三角沙井蓋板

### **General Specification for Civil Engineering Works**





Technical S	pecificati	on:				
Code Number 編號	Clear Opening 内孔	Over Base Size 底框外皮 C x D	Cover Size 蓋面尺寸 ExF	Height 高度 H	Type 款式 清水 Storm Water/ 污水 Foul Water	Grade 級別 H=Heavy Duty 重磅 M=Medium Duty 中磅
	mm	mm x mm	mm x mm	mm		W
MAF550-125A	550	750 x 750	570 x 570	125	SW	M
MAF550-125B	550	750 x 750	570 x 570	125	FW	M
MAF550-150A	550	800 x 800	570 x 570	150	SW	Н
MAF550-150B	550	800 x 800	570 x 570	150	FW	Н





## **Eco-Cast Iron Double-Triangular** & Desilting Manhole Cover and Frame



### 生鐵雙三角沙井蓋板

### **General Specification for Civil Engineering Works**



### **HOKLAS Endorsed Test Certificates**



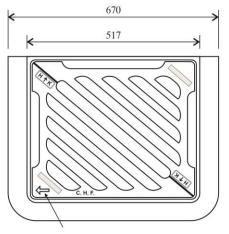


# **Eco-Cast Iron Double-Triangular Gully Gratings and Frame**



## 生鐵雙三角馬路邊及馬路中梳冷

### 馬路邊梳冷 (Adjacent to kerb)



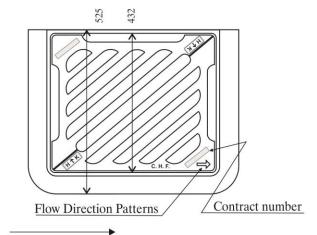
左向 Left Hand

Flow Direction Patterns

•

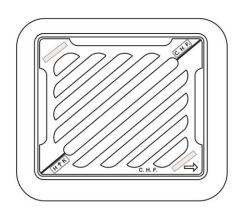
Longitudinal Flow of Carriageway

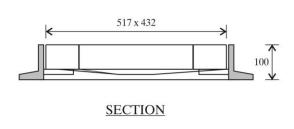
右向 Right Hand



Longitudinal Flow of Carriageway

### 馬路中梳冷 (Away from kerb)









## **Eco-Cast Iron Double-Triangular Gully Gratings and Frame**



### 生鐵雙三角馬路邊及馬路中梳冷

Standard: "General Specification for Civil Engineering Works"

published by the Civil Engineering and Development Department,

The Government of the HKSAR.

Functions: To be used with Kerb Overflow Weirs to collect roadside ground water into

underground sewage system.

Type: 1. Adjacent to Kerb - Direction of flow - Left/ Right

2. Away from Kerb

Type of gully grating	Minimum	Grade	Test requirer	nents
and Frame	Mass (Kg)		Diameter of test block (mm)	Test load (t)
Grating for double triangular gully grating Type GA1-450	57.5	Heavy duty	300	20
Deep Frame -adjacent to kerb -away from kerb	40.5 44.0	Heavy duty Heavy duty	300 300	20 20



### **HOKLAS Endorsed Test Certificates**

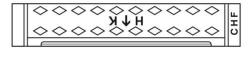




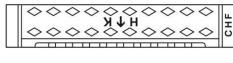
## **Eco-Cast Iron Kerb Overflow Weir**



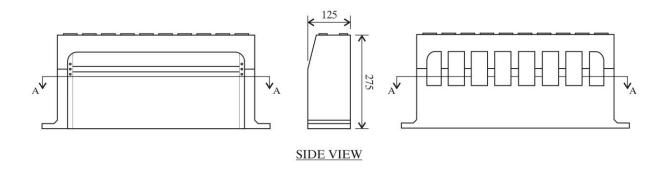
## 生鐵馬路邊櫈仔

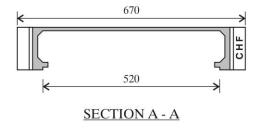


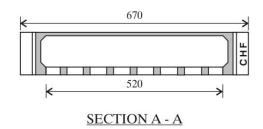
**PLAN** 



**PLAN** 







Material : Cast Iron Symbol EN GJL-150 of BS EN 1561 : 1997

Functions :To be used with Road Gully Gratings to collect roadside surface water into underground

sewage system.





### **Eco-Cast Iron Double-Triangular** & Desilting Manhole Cover and Frame Road Gully Gratings/Kerb Overflow Weirs



### 生鐵雙三角沙井蓋板 生鐵馬路邊梳冷/櫈仔

**General Specification for Civil Engineering Works** 



### **HOKLAS Endorsed Test Certificates**

香港的看安基街33號 33. On 香港的看安全班29A號 29A, On E-mail: castico @ netvigator.com Website Mass Determi (Tested to G.S.	nation and Loa	ding Test to	Cast Iron Drai	inage Goods	KO0.85 032			总粉相安 洛粉扇安分 mail: castcod	# 8; 33 M. 33. On 18; 29A M. 29A. Or netvigator.com Websi Mass Deterr (Tested to G.	Kui Street, Fanling, Chuen Street, Fanline e: www.castco.com.hi Tes nination and Load S. for C.E. Works	ling Test to Ca	st Iron Drainas	ge Goods pendix 5.3)	HKAS:
Date of issue : 20-10-2006 Page 1 of 1 page			Castco Lab. Re	rf. No.: DP26092	5-0627 MISCEL		Du Pa	ite of issue :	13-06-2006 of 1 page				rf. No.:DP260607-	0294 MISCE
Details as supplied by the client									lied by the client	Manufactu	rer : Cheung Hin			Juset
Client: Cheung Hing Foundry Ltd.			Client	's Ref. No.:			Cli	ent : Cheung	Hing Foundry Limited			Client's	s Ref. No.:	
Contract No.: Title:							Co	ontract No.:		Job Title : -				
Sample Description: 550 Clear Openis	ng x 125 Height C	ast Iron Double	Triangle Manho	ole Cover & Fran	ne		Sa	mple Descri	ption: 550 mm x 550	nm Clear Opening s	150 Height Cast	Iron Double Tria	angle Manhole Cov	er and Frame
Srade: medium duty								rade: heavy o		Brand nam				
aborgtory Test Result								bonstory Te			ACA 1885			
Date received: 25-09-2006		Date test	ted: 30-09-2006					ate received:			Date tes	red: 07-06-2006		
Dia. of bearing block: 100 mm							Di	a. of bearing	block: 300 mm					
	Grade	Measured	(Test le	Loading Test load maintained t									Loading Test	
Specimen Specimen No. Description	claimed by client	mass (kg)	Test	Loading test result			S	pecimen	Specimen	Grade claimed	Measured mass	(Test los Test	ad maintained for Loading	30 sec)
		(Kg)	(kN)	(passed/failed				No.	Description	by client	(kg)	load (kN)	test result (passed/failed)	Observatio
DP260925- 550 Clear Opening x 125 0627 Height Cast Iron Double Triangle Manhole Cover Frame	Medium duty &		49.1 (5 tonnes)	Passed	N/V			0294 O	50 mm x 550 mm Cle pening x 150 Height 6 ouble Triangle Manho ad Frame	ast Iron Duty		294.3	Passed	N/V
Legend : FC - Fracture at cover. Remarks:	FF - Fractur	e at frame.	N/V ?	No visible fractur	rc.		F	gend : C - Fracture	at cover.	FF - Fract	ure at frame.	N/V ?	No visible fracture.	
Test result relates only to the spec     Compliance criterion as specified	imen tested.	Manhole covers	and gully grating	gs shall withstan	d the test load		Re	marks:	relates only to the sp	cimen tested.			hall withstand the	
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