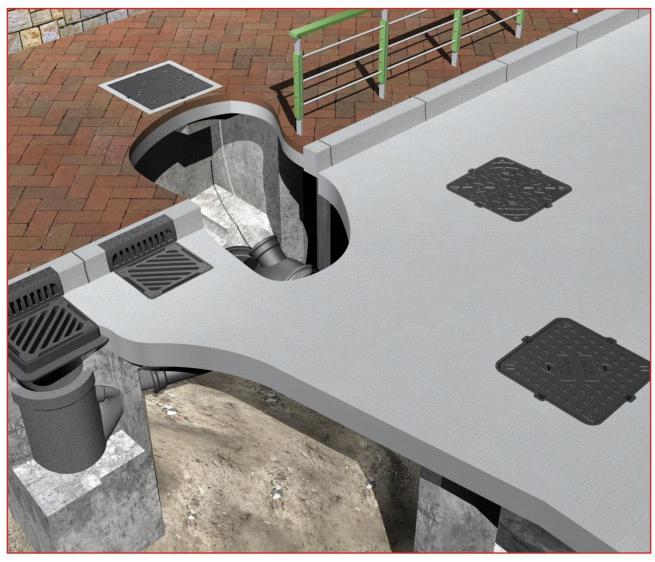


Eco-Cast Iron

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)

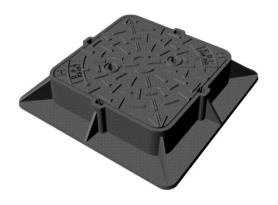
Material: Cast Iron Symbol EN GJL-150 of BS EN 1561: 2011

Details of manhole covers and frames

		Test requireme	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 manhole cover for sewers	Heavy duty	300	30
Frame	Heavy duty	300	30

STORM WATER 清水

FOUL WATER 污水





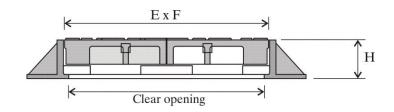


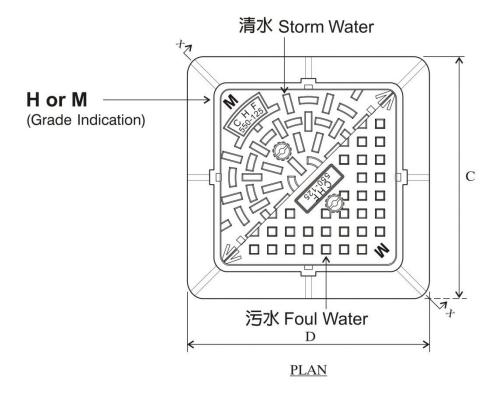
EcoCast Iron Double-Triangular & Desilting Manhole Cover and Frame



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		
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



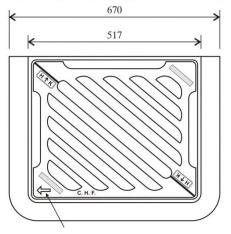


Eco-Cast Iron Double-Triangular Gully Gratings and Frame



生鐵雙三角馬路邊及馬路中梳冷

馬路邊梳冷 (Adjacent to kerb)



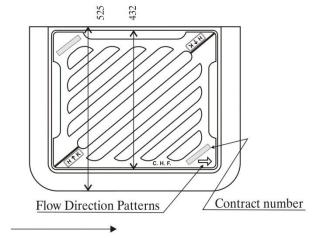
左向 Left Hand

Flow Direction Patterns

•

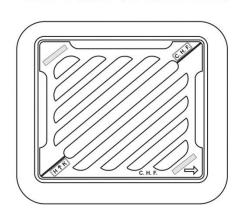
Longitudinal Flow of Carriageway

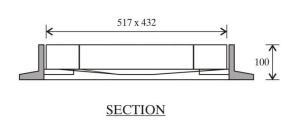
右向 Right Hand



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

	Mass Determination (Tested to G.S. for C	Test and Loadi	Certificate ng Test to Cas	t Iron Drain	age Goods	NDMAS 032
Date of issue Page 1	e: 25-01-2005 of 1 page			C	astco Lab. Ref. No.:	DP250119-0019
Details as s	applied by the client	Sample Submi	tted by: Asia Devel	lopment (1950)	Ltd.	
Client: Cher	ing Hing Foundry Limited			Client	s Ref. No.: -	
Contract No		Title:				
Sample Desc	ription: 435mm x 520mm Clear Ope	ning x 100mm	(H) Double Trian	gular Gully Gra	sting and Frame. Typ	e GA1-450
Grade: heav		Brand: CHF			facturer: Cheung H	
Laboratory	Test Result					
	d: 19-01-2005		Deter	d: 22-01-2005		
Date receive	u. 19-01-2003		Date tested	1: 22-01-2005		
Dia. of bear	ing block: 300 mm					
		Grade	Measured	(Test	Loading Test load maintained for	30 sec)
Specimen	Specimen	claimed	mass	Test	Loading	20 500)
No.	Description	by client	(kg)	load (Ton)	test result (passed/failed)	Observation
DP250119- 0019-01	435mm x 520mm Clear Opening x 100mm (H) Double Triangular Gully Grating and Frame, Type GA1-450.	heavy duty		20	Passed	N/V
2. Compli	re at cover. sult relates only to the specimen teance criterion as specified in Claus fracture or cracking.				No visible fracture.	est load
Checked by	W. K. Leur	g	Certified b	» A	Wa Go	
	NOLE AS A 44 15022003			**********	W.K.LEE	IE

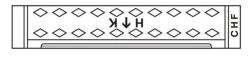




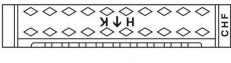
Eco-Cast Iron Kerb Overflow Weir



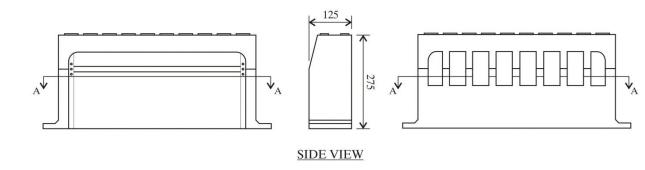
生鐵馬路邊櫈仔

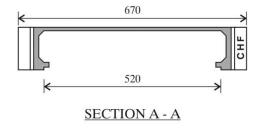


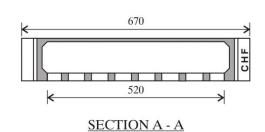
PLAN



PLAN







: Cast Iron Symbol EN GJL-150 of BS EN 1561 : 2011

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

E-mail: casto	安暑街33號 33, On Kui 安全街29A號 29A, On Chu co會netvigator.com Website: ww Mass Determinat	vw.castco.com. Te	st Certificate	Fax: 2677 0351	ige Goods	NOGAS 032		⊕ E-r	x6 和 俱 安 mail: castoo	E 居街 33 號 33, On 全街 29A 號 29A, On ell netvigator.com Website	chuen Street, Fanling K www.castco.com.hk Tes	g, Hong Kong. t Certificate	rax: 2677 0351		HKAS
	(Tested to G.S. for	r C.E. Work	s : 1992 : Cl.	5.94(2) and Ap	pendix 5.3)					(Tested to G.S	ination and Load for C.E. Works	ting Test to Ca s: 1992 : Cl. 5.	st Iron Drainag .94(2) and App	ge Goods sendix 5.3)	
Page 1	ne: 20-10-2006 of 1 page			Castco Lab. Ref.	No.: DP260925	-0627 MISCEL		Du Pa	ate of issue age 1	: 13-06-2006 of 1 page			Castco Lab. Re	f. No.:DP260607-	0294 MISCE
	supplied by the client									pplied by the client	Manufactus	rer : Cheung Hin			
Client: Che	eung Hing Foundry Ltd.			Client's F	Ref. No.: -			Cli	lent : Cheun	ng Hing Foundry Limited			Client's	Ref. No.:	
Contract No	o.: Title:							Co	ontract No.	:	Job Title :				
	scription: 550 Clear Opening x	125 Height C	ast Iron Double	Triangle Manhole	Cover & Fram	ic		Sa	mple Desc	ription: 550 mm x 550 n	ım Clear Opening x	150 Height Cast	Iron Double Tria	ngle Manhole Co	ver and Frame
Grade: medi	A Transport							Gr	rade: heavy	duty	Brand nam	ie: CHF			
Laboratory	Test Result							La	boratory 7	Test Result					
Date receive	red: 25-09-2006		Date test	ed: 30-09-2006				Da	ate received	d: 07-06-2006		Date test	ted: 07-06-2006		
Dia. of beari	ring block : 100 mm							Di	ia. of bearing	ng block: 300 mm					
		Grade	Measured	(Test loa	Loading Test d maintained fo	or 30 sec)					Grade	Measured	Tage 1	Loading Test	20
Specimen No.	Specimen Description	claimed by client	mass (kg)	Test load	Loading test result	Observation		s	specimen	Specimen	claimed	mass	Test	ad maintained for Loading	
	23331003#WH36	Medium	1087	(kN)	(passed/failed)				No.	Description	by client	(kg)	load (kN)	test result (passed/failed)	Observatio
0627	- 550 Clear Opening x 125 Height Cast Iron Double Triangle Manhole Cover & Frame	duty	-	49.1 (5 tonnes)	Passed	NV		DI	0294	550 mm x 350 mm Clea Opening x 150 Height C Double Triangle Manhol and Frame	ast Iron Duty		294.3	Passed	N/V
Legend :	ure at cover.														
Remarks:		FF - Fractur	e at frame.	N/V No	visible fracture	1.		Le	rgend : C - Fractur	re at cover.	FF - Fract	ure at frame.	N/V 2	No visible fracture	
2. Complia	sult relates only to the specime iance criterion as specified in C	n tested. Thuse 5.95 : N	danhole covers	and gully gratings	shall withstand	the test load		Re	marks: 1. Test resu	alt relates only to the spe unce criterion as specified					
Thecked by:	NULL, OS, TI 66 I SOUTH N. SIT		Certified	by: fi 选: Tel: 26	77 2002, 2677 211	CASTI 社会全排29A號 29A, On C 38 Fax: 2677 0351 E-mail: c Mass Determinatio (Tested to G.S. for C	CO TEST Chuen Street, On castco@netvigate Test on and Loadi	Certificate ing Test to Car	g, N.T., Hore www.castco.	g Kong. com.hk	H S ROBAR on	Certifies	B.Sc.	K/ C. SIN C. Eng., MICE, MHR rechnical Manager tion Schane (HOXLA	IE S) for specific to
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