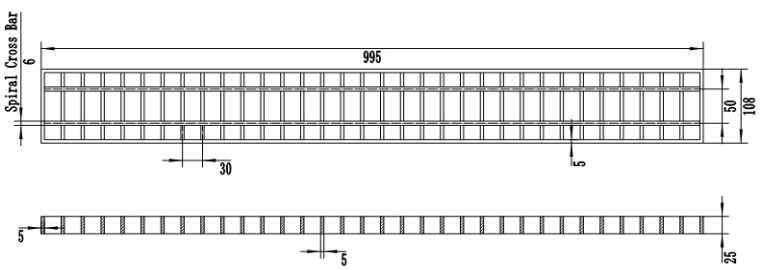


HEAVY DUTY 125 SERIES									
SECTION ID	SECTION MEASUREMENT				SECTION POSITION		SECTION HYDRAULICS ³		
River (R) - Variable Built-in-Fall									
Sections	Weight Excl. Grate (Kg's)	Length (Metres)	Start Invert (mm)	End Invert (mm)	Previous Upstream Section	Next Downstream Section	Built-in-Fall (%)	Max Design Velocity (M/s)	Max Design Flow Rate (L/s) ¹
HD125 R1-0.5	3.3	0.5	153	162	-	R2 or T2 ⁴	1.50%	-	-
HD125 R1-1.0	6.6	1.0	145	162	-	R2 or T2 ⁴	1.50%	-	-
HD125 R1-1.5	9.5	1.5	138	162	-	R2 or T2 ⁴	1.50%	-	-
HD125 R1-2.0	12.4	2.0	130	162	-	R2 or T2 ⁴	1.50%	-	-
HD125 R1-2.5	16.1	2.5	123	162	-	R2 or T2 ⁴	1.50%	-	-
HD125 R1-3.0	19.0	3.0	115	162	-	R2 or T2 ⁴	1.50%	1.1	12
R1 Sections (0.5m multiples) are used to vary overall length ⁴									
HD125 R2-3.0	19.3	3.0	162	194	R1	R3	1.00%	1.0	14
HD125 R3-3.0	19.7	3.0	194	219	R2	R4	0.75%	0.9	15
(Z3) Zero Fall Section Length Extender can be inserted here ²									
HD125 R4-3.0	20.1	3.0	219	239	R3	R5 or T5 ⁸	0.63%	0.8	16
HD125 R5-3.0	20.4	3.0	239	259	R4 or T2 ⁴	R6	0.60%	0.8	17
HD125 R6-3.0	23.4	3.0	259	279	R5	R7	0.58%	0.8	19
HD125 R7-3.0	24.1	3.0	279	297	R6	R8	0.56%	0.8	20
HD125 R8-3.0	24.5	3.0	297	316	R7	R9 or T9 ¹³	0.55%	0.8	21
HD125 R9-3.0	24.8	3.0	316	334	R8 or T5 ⁸	R10	0.54%	0.8	23
HD125 R10-3.0	25.2	3.0	334	352	R9	R11	0.53%	0.8	25
HD125 R11-3.0	25.6	3.0	352	370	R10	R12	0.52%	0.8	27
HD125 R12-3.0	25.9	3.0	370	387	R11	R13	0.51%	0.8	29
HD125 R13-3.0	26.3	3.0	387	404	R12	R14	0.50%	0.8	31
Torrent (T) Self Cleansing - Super Steep Built-in-Fall,									
Sections	Weight Excl. Grate (Kg's)	Length (Metres)	Start Invert (mm)	End Invert (mm)	Previous Upstream Section	Next Downstream Section	Built-in-Fall (%)	Max Design Velocity (M/s)	Max Design Flow Rate (L/s) ¹
HD125 T2 ⁴ -3.0	20.1	3.0	162	239	R1	T5 ⁸ or R5	2.51%	1.5	20
HD125 T5 ⁸ -3.0	21.9	3.0	239	316	T2 ⁴ or R4	T9 ¹³ or R9	2.49%	1.6	30
HD125 T9 ¹³ -3.0	25.6	3.0	316	404	T5 ⁸ or R8	R14	2.87%	1.8	50
Zero Fall Shallow (Z1) - 115mm Invert									
Sections	Weight Excl. Grate (Kg's)	Length (Metres)	Start Invert (mm)	End Invert (mm)	Previous Upstream Section	Next Downstream Section	Built-in-Fall (%)	Max Design Velocity (M/s)	Max Design Flow Rate (L/s) ¹
HD125 Z1-3.0	17.5	3.0	115	115	-	R1	0.00%	-	-
Zero Fall Section Length Extender (Z3) - 219mm Invert									
Sections	Weight Excl. Grate (Kg's)	Length (Metres)	Start Invert (mm)	End Invert (mm)	Previous Upstream Section	Next Downstream Section	Built-in-Fall (%)	Max Design Velocity (M/s)	Max Design Flow Rate (L/s) ¹
HD125 Z3-0.5	3.3	0.5	219	219	R3	R4	0.00%	-	-
HD125 Z3-2.0	13.1	2.0	219	219	R3	R4	0.00%	-	-
HD125 Z3-3.0	20.1	3.0	219	219	R3	R4	0.00%	-	-

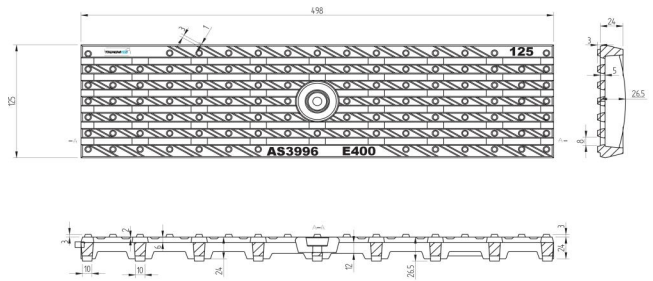
GALVANISED MESH GRATING
Hi-Flo Grating - High Flow Rate



RATED D210 (AS3996) – TESTED BY OPUS LABORATORIES NZ

MAX FLOW RATE	One side 7.0 L/s/m
	Two sides 13.5 L/m/s

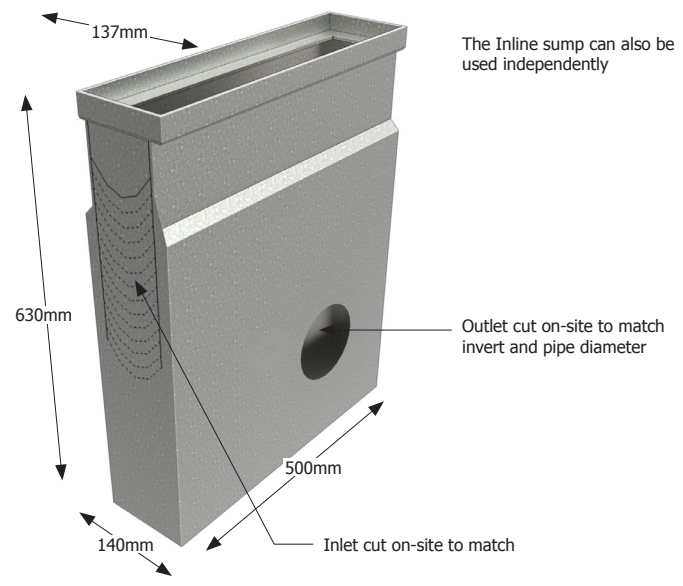
POWERED COATED DUTILE IRON GRATING
Shoe-guard Grating – Heel Guard Compliant



RATED E400 (AS3996) – TESTED BY OPUS LABORATORIES N.Z.

MAX FLOW RATE	One side 5.5 L/s/m
	Two sides 11.0 L/s/m

INLINE SUMP (125 ILS)



INSTALLATION GUIDE

