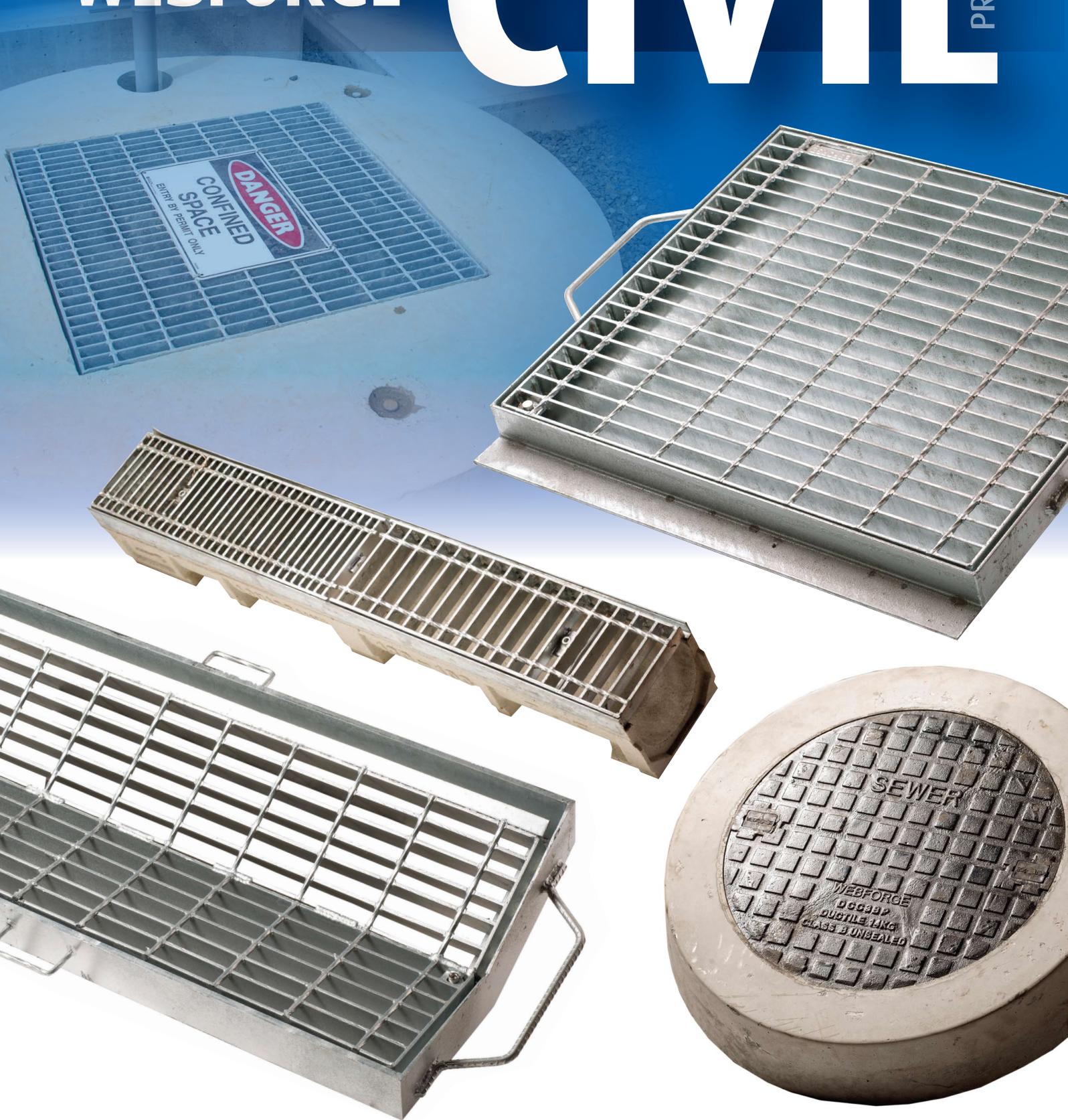


WEBFORGE

CIVIL

PRODUCTS



WEBFORGE

A **valmont** COMPANY

The Webforge name is synonymous with quality, reliability and project management, both in the Access flooring and Civil drainage markets. Webforge combines the benefits of local manufacture and international sourcing to provide customers with the best product range and project delivery options in the marketplace.

The Webforge Civil drainage range, including sump grates, trench grates and access covers are available to suit the complete range of Australian Standard Strength Classifications, depending on your project requirements.

In addition, Webforge has a NATA accredited testing facility in-house, to provide peace of mind. Your custom designed and manufactured drainage solution will meet your requirements. Conformance certificates can be provided, on request.

Webforge carries a wide range of grating and civil drainage stock, across Australia & New Zealand, ensuring fast turnaround on both standard componentry and custom manufactured grates; fabricated to specific project requirements.

New Lightweight Covers

Webforge are now able to offer a range of lightweight access covers and drain grates, which provide the same strength classifications, but with added OH&S benefits.

AS3996 Strength Classifications

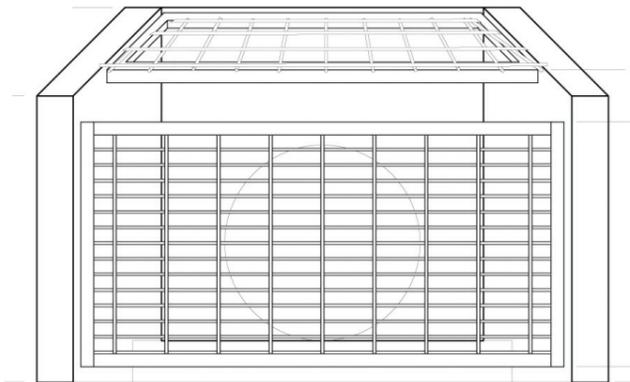
CLASS	ULTIMATE TEST LOAD	TYPICAL USE	
A	10KN	Areas (including footways) accessible only to pedestrians and pedal cyclists and closed to other traffic (extra light duty) Nominal Wheel Loading 330KG	
B	80KN	Areas (including footways and light tractor paths) accessible to vehicles (excluding commercial vehicles) or livestock (light duty) Nominal Wheel Loading 2,670KG	
C	150KN	Malls and areas open to slow moving commercial vehicles (medium duty) Nominal Wheel Loading 5,000KG	
D	210KN	Carriageways of roads and areas open to commercial vehicles (heavy duty) Nominal Wheel Loading 8,000KG	
E	400KN	General docks and aircraft pavements (extra heavy duty - E) Nominal Wheel Loading 13,700KG	
F	600KN	Docks and aircraft pavements subject to high wheel loads (extra heavy duty - F) Nominal Wheel Loading 20,000KG	
G	900KN	Docks and aircraft pavements subject to very high wheel loads (extra heavy duty - G) Nominal Wheel Loading 30,000KG	

Webforge can custom manufacture a large variety of grates and drains to your specifications. Lead times are kept to a minimum, using our regionally based fabrication facilities.

*NATA approved testing available upon request

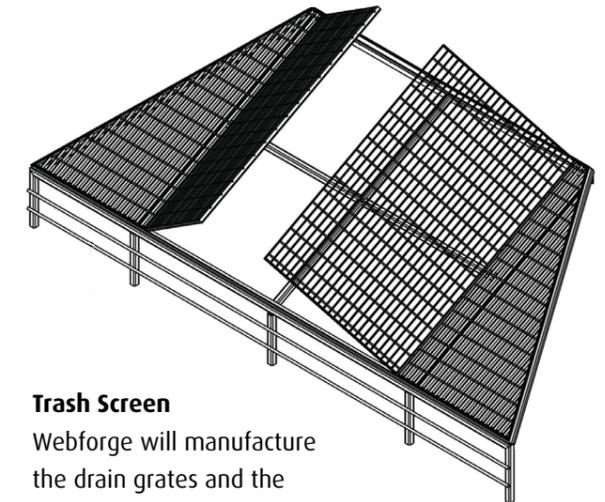
Options include:

- Custom sized grates and frames
- Trash screens
- Head walls
- Trash baskets



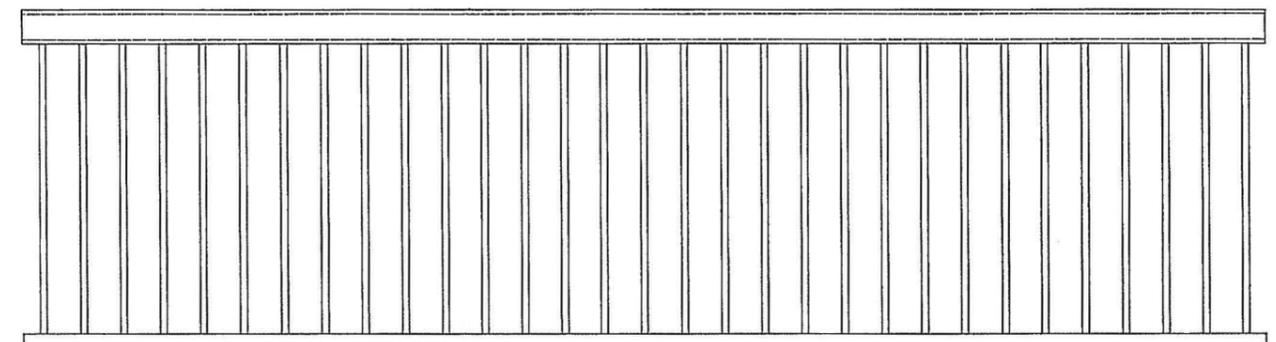
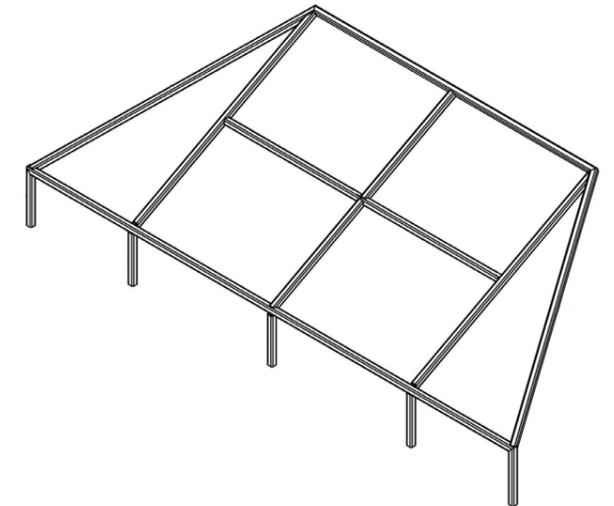
Headwall Grate

Contact your local Webforge office to discuss your civil drainage requirements, the possibilities are extensive.



Trash Screen

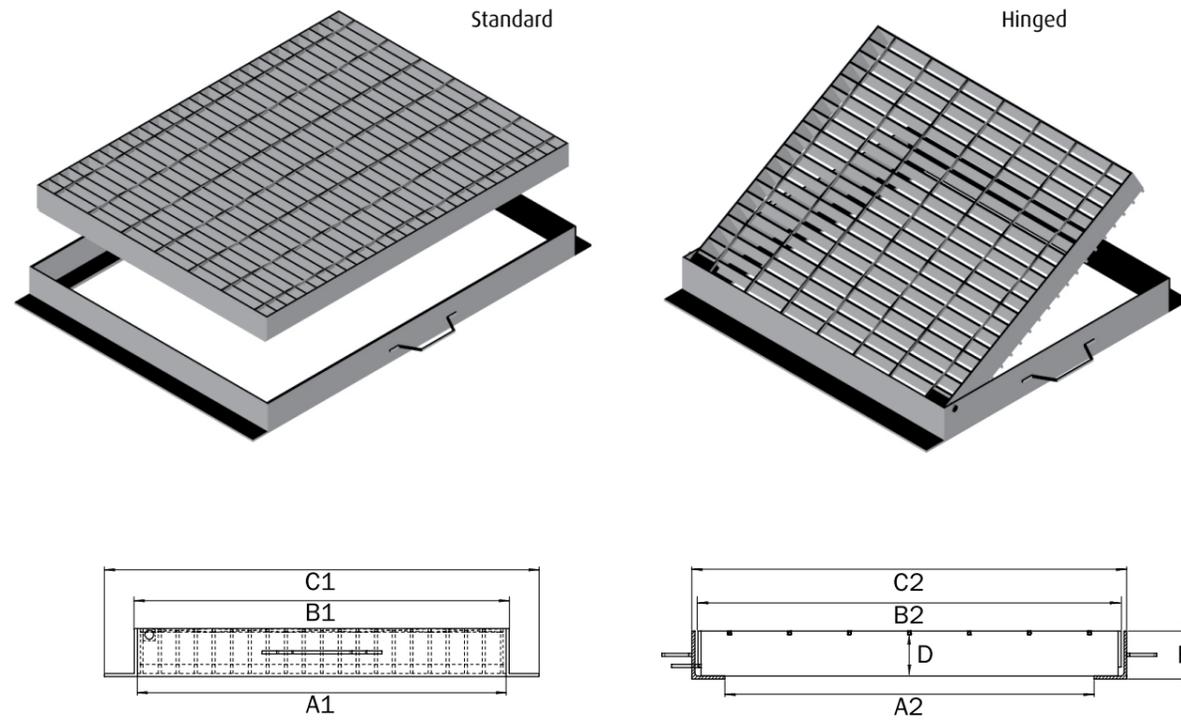
Webforge will manufacture the drain grates and the supporting framework.



Trash Rack

Sump Grates

Fabricated Mild Steel



Standard Grating Class B, C, D

Drawing Number	Class AS3996	kg / ea	A1 x A2 Clear Opening	B1 x B2 Grate Size	C1 x C2 Frame Overall	D Grate Depth	E Frame Depth	Type
MSG44B	B	27	465 x 465	445 x 545	565 x 565	45	50	Grating
MSG44D	D	45	465 x 465	456 x 555	575 x 565	75	80	Grating
MSG46B	B	34	615 x 465	605 x 545	715 x 565	45	50	Grating
MSG46D	D	63	615 x 465	606 x 555	725 x 565	75	80	Grating
MSG66BH	B	31	600 x 600	575 x 660	680 x 680	32	40	Grating
MSG66DH	D	46	600 x 600	575 x 690	710 x 710	50	55	Grating
MSG69BH	B	47	915 x 615	895 x 675	995 x 695	32	40	Grating
MSG69DH	D	69	915 x 615	895 x 705	1025 x 725	50	55	Grating
MSG99BH	B	82	915 x 915	895 x 995	1015 x 1015	45	50	Grating
MSG99DH	D	113	915 x 915	895 x 995	1015 x 1015	65	75	Grating
MSG1212BH	B	235	1200 x 1200	1130 x 1280	1310 x 1310	75	80	Grating
MSG1212DH	D	348	1200 x 1200	1126 x 1340	1360 x 1360	100	106	Grating

Class E grate and frames

MSG66EH	E	108	600 x 600	565 x 732	760 x 760	100	106	Grating
MSG69EH	E	152	900 x 600	1035 x 565	1025 x 725	100	106	Grating
MSG99EH	E	367	900 x 900	826 x 1066	1100 x 1100	45	50	Grating
MSG1212EH	E	670	1200 x 1200	1126 x 1366	1400 x 1400	150	158	Grating

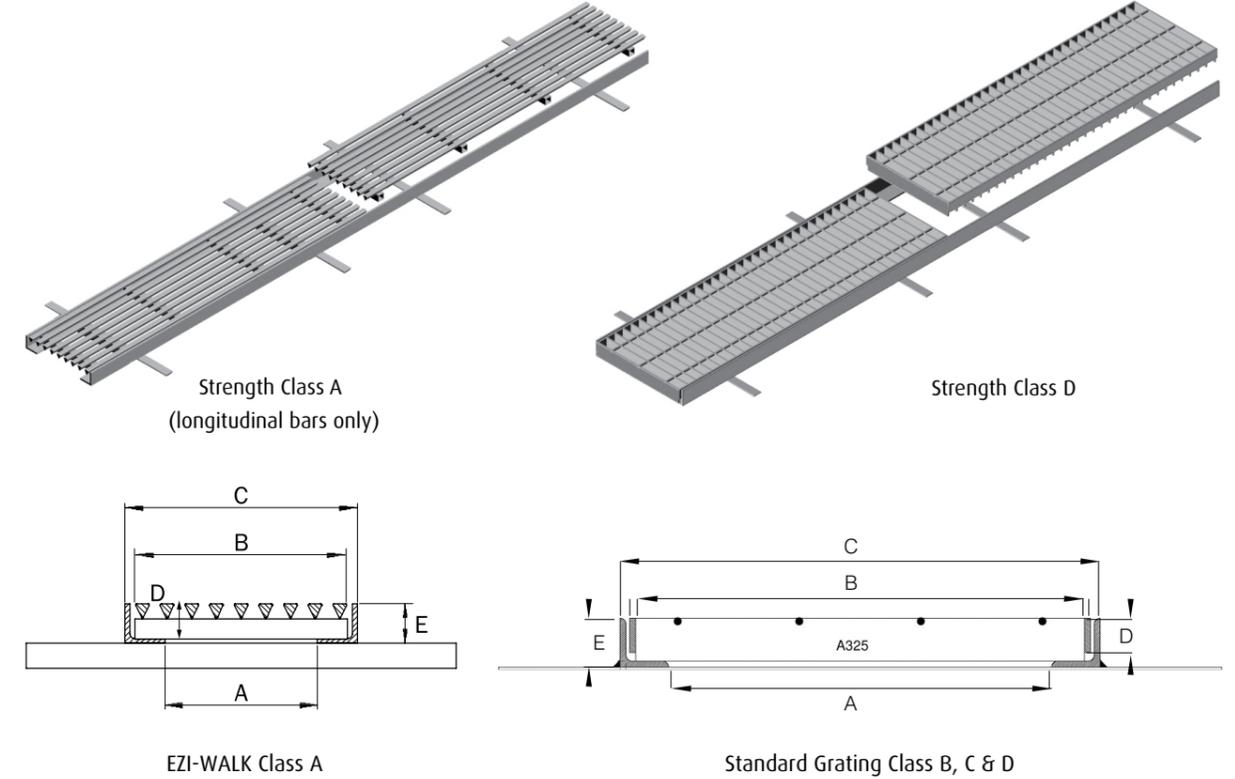
Surcharge Pit Hinged Grate and Frame on 100mm Legs

MSG66HSC	A	21	705 x 690	670 x 775	775 x 800	25	30	Grating
MSG69HSC	A	36	1025 x 690	990 x 775	1095 x 800	25	30	Grating
MSG99HSC	A	82	1025 x 990	990 x 1075	1095 x 1100	25	30	Grating

Heelguard drop in grates are available on request.

Trench Grates

Fabricated Mild Steel



EZI-WALK Class A

Standard Grating Class B, C & D

Product Code	Class AS3996	Weight kg/lm	A Clear Opening	W x B Grate Size	C Frame Overall	D Grate Depth	E Frame Depth	Type
MTG10A	A	15	105	997 x 168	185	35	40	Ezi
MTG10B	B	11	115	995 x 149	165	20	25	Grating
MTG15A	A	16	155	997 x 219	235	35	40	Ezi
MTG15B	B	13	165	995 x 209	225	25	30	Grating
MTG15D	D	26	165	995 x 239	255	40	45	Grating
MTG22A	A	20	232	997 x 296	312	35	40	Ezi
MTG22B	B	19	240	995 x 284	300	25	30	Grating
MTG22C	C	29	240	995 x 314	330	40	45	Grating
MTG22D	D	33	240	995 x 324	340	45	50	Grating
MTG30B	B	27	315	995 x 379	395	32	40	Grating
MTG30C	C	38	315	995 x 399	415	45	50	Grating
MTG30D	D	57	315	995 x 393	415	65	75	Grating
MTG45B	B	50	465	995 x 549	565	45	50	Grating
MTG45C	C	70	465	995 x 543	565	65	75	Grating
MTG45D	D	94	465	996 x 559	575	75	80	Grating
MTG60B	B	67	615	995 x 709	725	50	55	Grating
MTG60C	C	88	615	995 x 693	715	65	75	Grating
MTG60D	D	113	615	995 x 709	725	75	80	Grating

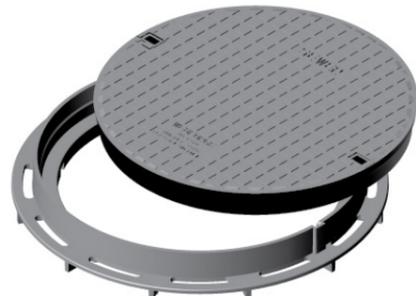
Note: The grate size standards will vary between states. Contact your local branch for standard sizes.

Width (W): WA = 1205, NZ = 905, All Other States = 995.

Cast In Circular Covers



Strength Class B



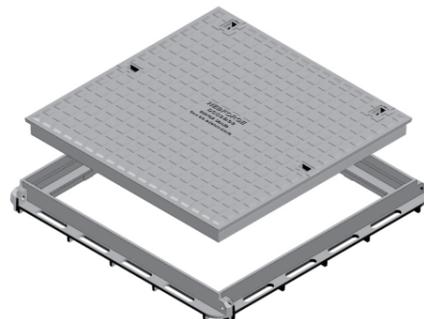
Strength Class D

Lighter Webforge ductile iron solid top circular access covers provide the following benefits

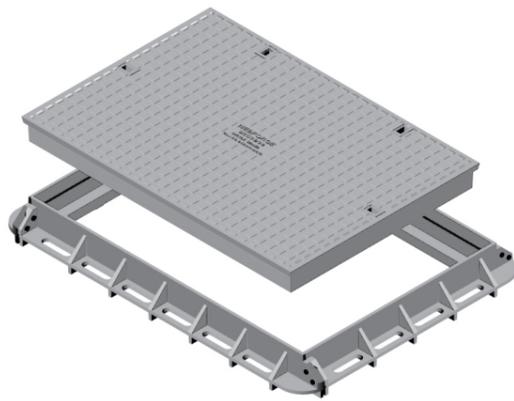
- Low weight which means safer handling and greater OH&S advantages
- Elimination of concrete infilling and the need to repair or replace worn concrete

AS3996 Strength Classifications				
Frame Clear Opening Diameter (mm)	Class B 53kN 	Class D 140kN 	Weight of Cover Only	Weight of Cover & Frame
615	DCC6BB2 Footways that may be mounted by a vehicle or livestock, and light tractor paths (Light Duty)		28kg	42kg
615		DCC6DB2LT Carriageways of roads and areas open to commercial vehicles (Heavy Duty)	40kg	65kg

Single Part Covers



Strength Classes A & B



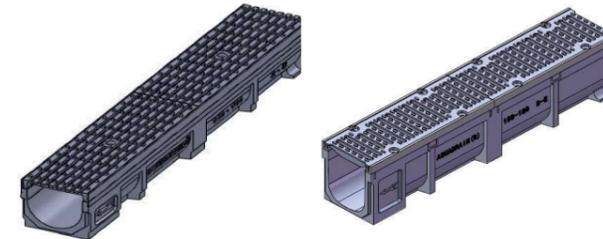
Strength Class C & D

AS3996 Strength Classifications						
Frame Clear Opening	Class A B 53kN 		Class C D 140kN 			
	Codes	Weight	Codes	Weights		
		Cover Only	Cover & Frames		Cover Only	Cover & Frames
465 x 465	DRC44AB	24kg	36kg	DRC44CD	30kg	50kg
615 x 615	DRC66AB	35kg	50kg	DRC66CD	45kg	70kg
915 x 615	DRC96AB	50kg	69kg	DRC96CD	65kg	96kg
915 x 915	DRC99AB	84kg	106kg	DRC99CD	95kg	131kg

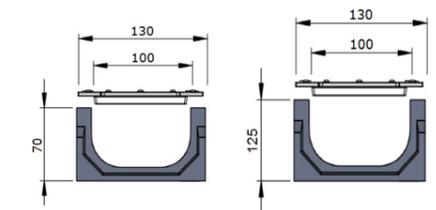
Aquadrain® drainage channels, complete with cast or galvanised grates and edge rails, are capable of reaching the largest loads required by the market.

Ductile Iron

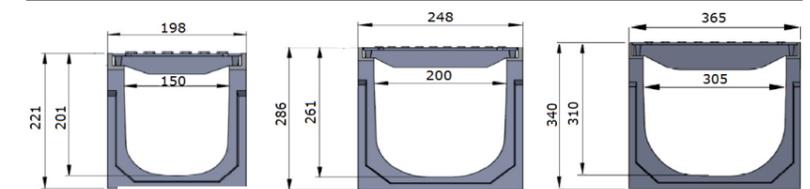
The ductile iron series is available with either longitude heelguard or transverse style grating



100mm Series



150, 200 & 300mm Series



Polymer Concrete Pit Bases & Riser Sections



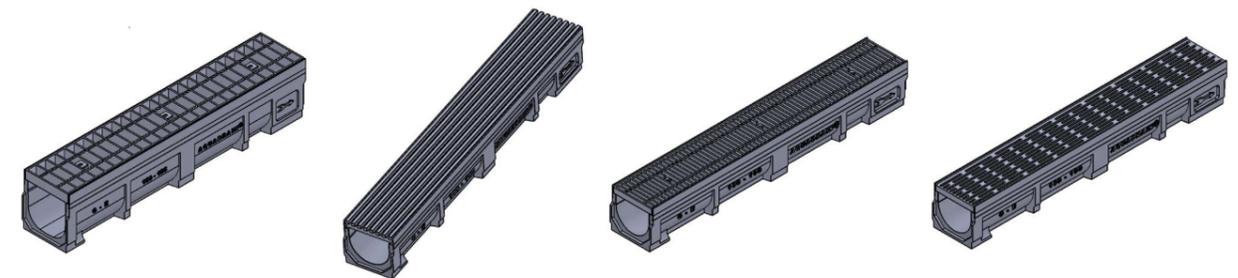
Polymer concrete pits can be supplied for both electrical and drainage applications, with a variety of cover/grate options.

The transverse styles **150, 200 and 300mm** series ductile iron 500-7 grade grates come rated as high as Class G - 900kn.

The heelguard longitudinal style **150, 200 and 300mm** series ductile iron 500-7 grade grates are rated to Class E - 400Kn.

Galvanised Grates

The galvanised series is available with a range of grates; standard transverse grates, plus heelguard options. After concrete encasement, the galvanised series; including channel and grate, have been tested to Class D loading (210Kn).



Transverse

Longitudinal Heelguard

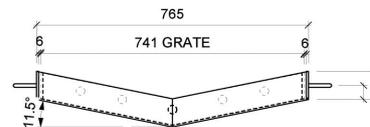
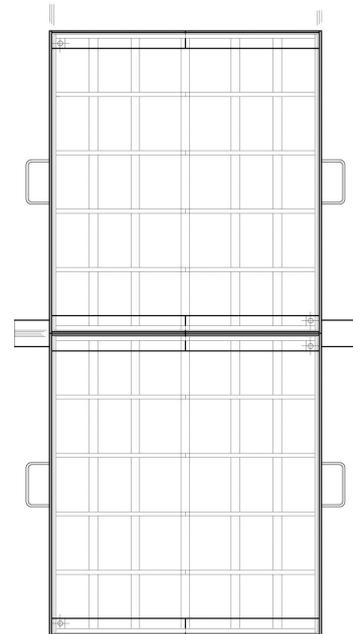
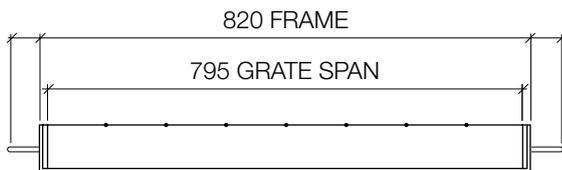
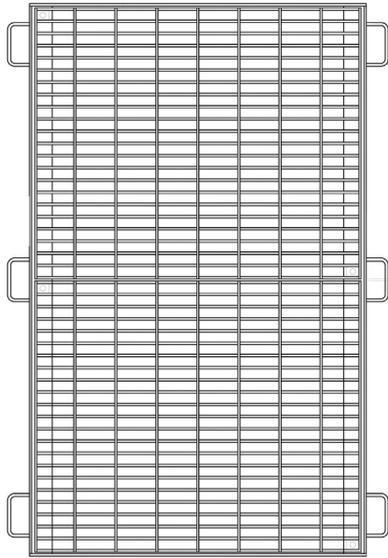
Transverse Heelguard

Perforated Heelguard

A security lockdown system can be supplied for these channel & grate systems, if required.

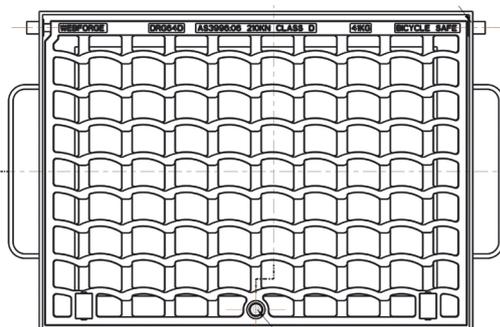
State Specific Grates

Webforge stock state specific grates approved for local road and water authorities, including the complete range of RMS grates. *Contact your local representative for details.*



Wave Grate

Galvanized frame with a ductile iron grate ideal for new subdivisions, particularly high volume rain water and stormwater access. Bicycle safe compliant to AS 3996.



- Superior Performance vs. Standard steel grates for rainwater
- Excellent strength to weight ratio

AUSTRALIA

1800 266 666

www.webforge.com.au

info@webforge.com.au

NEW ZEALAND

0800 932 367

www.webforge.co.nz

info@webforge.co.nz



A valmont COMPANY