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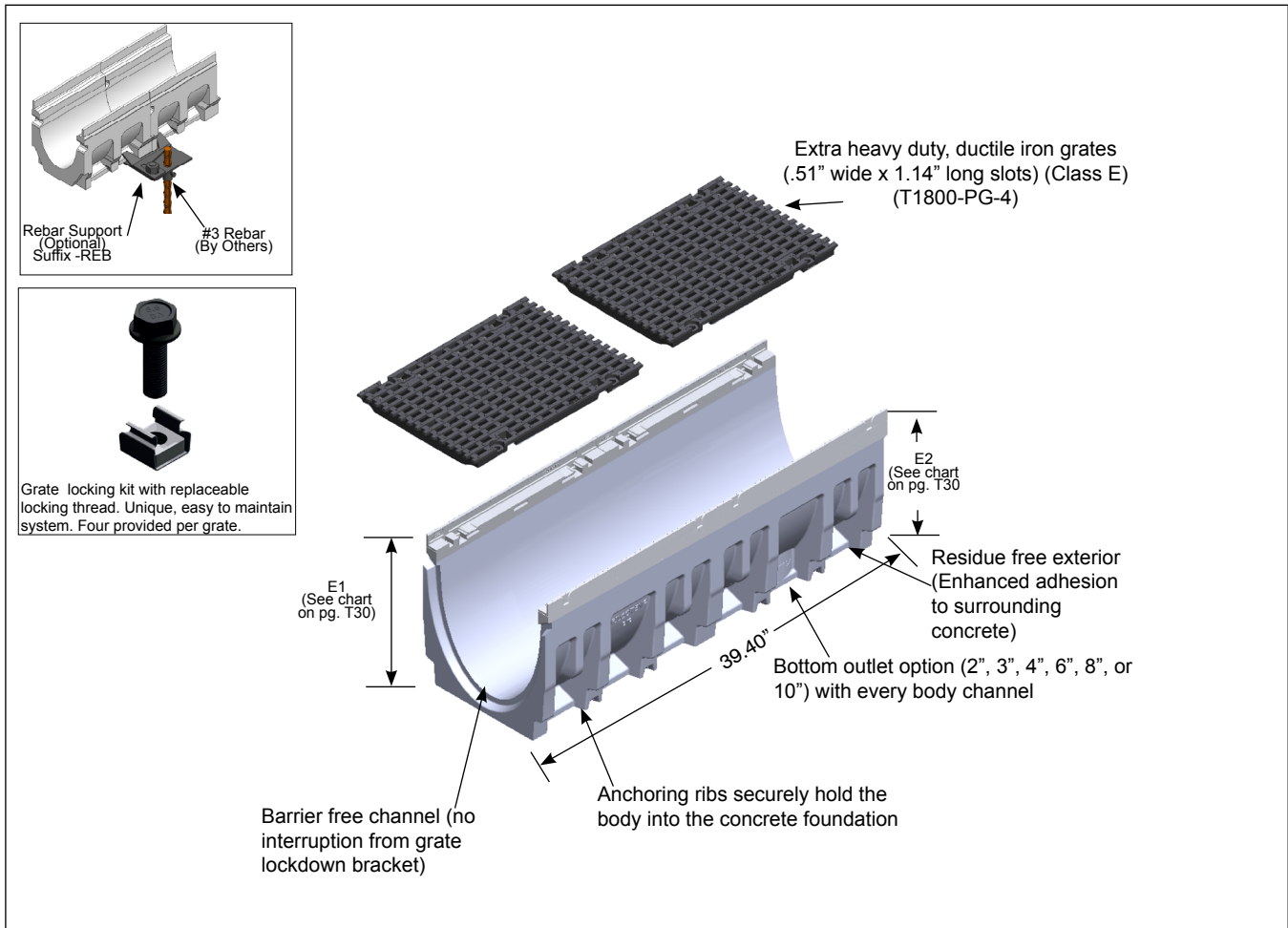


T1800

12" WIDE, STEPPED SLOPED, FILCOTEN® FIBRE RE-INFORCED, CONCRETE TRENCH DRAIN WITH INTEGRAL CAST IRON RAIL AND GRATE SYSTEM

Specification: MIFAB® Series T1800, 12" wide, 39.40" long, stepped slope or neutral FILCOTEN® trench drain system. Body is manufactured from a fibre-reinforced concrete based material. Bodies have interlocking ends, a radiused bottom for efficient liquid drainage and multiple anchoring ribs to securely hold the body into the concrete foundation. Each body is manufactured with an integral 5mm thick, extra heavy duty, cast iron rail. End and bottom outlets are available in 2", 3", 4", 6", 8 or 10" no hub outlet connections (specify outlet size). The grate provided is an extra heavy duty ductile iron (Load Class E) grate. Grates are secured to the body with four bolts per grate. End caps and catch basins are also available (See T1800-CB1220).

Function: Used in commercial areas such as factories, warehouses, parking garages, car dealerships, gas stations, public and residential areas, parks, sports complexes, town squares, railway stations and cycle and foot paths. Ideal for environmentally sensitive areas because the body channels are free of resins, heavy metals, VOC and all chemicals. Exceptional adhesion to surrounding concrete foundation due to the concrete composition of the body channels – resulting in a monolithic all concrete installation. Less breakage during transport and installation due to impact resistant, fibre-reinforced, UV resistant and non flammable concrete material. Extra heavy duty integral cast iron rail allows for heavy duty, hard wheel traffic applications.



T1800-PBO2, 3, 4, 6, 8 or 10
No Hub Bottom Outlet (2", 3", 4", 6", 8" or 10")



T1800-PEO2, 3, 4, 6, 8 or 10
No Hub End Outlet (2", 3", 4", 6", 8" or 10")



T1800-PEC
End Cap

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Body Part Number	Overall Body Depth		Maximum Flow Rate			Weight (Less Grate)	
	E1 (Min.)	E2 (Max.)	GPM Gallons per Minute	LPS Litres per Second	CFS Cubic Feet per Second	Lbs.	Kg.
T1800N*	14.20" (360 mm)	14.20" (360 mm)	870.20	54.90	1.94	170.42	77.30
T1810N	16.20" (410 mm)	16.20" (410 mm)	1103.20	69.60	2.46	199.08	90.30
T1820N	18.20" (460 mm)	18.20" (460 mm)	1348.90	85.10	3.01	98.10	110.70

All calculations based on formula of PRANDTL/ COLEBROOK.
 *Capacity with neutral channel trench of 10m

INCH 1 mm 25.4 l/s= GPM US liquid 15.8503 1 CFS=l/s 28.3168 lb 1 kg 0.453

SUFFIX OPTIONAL VARIATIONS

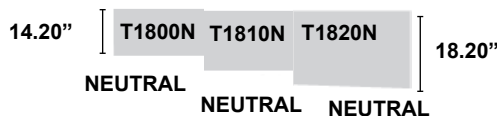
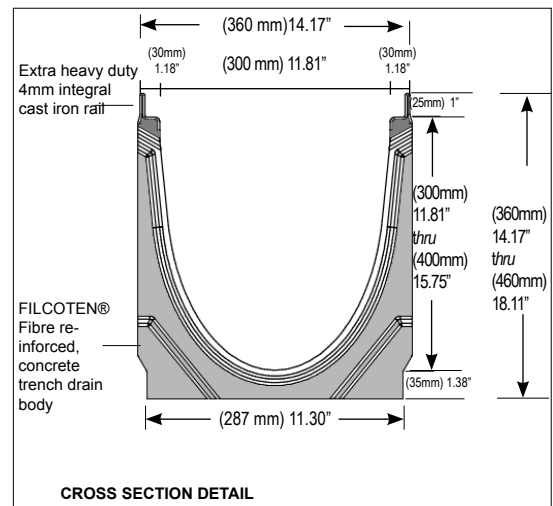
- 4 Ductile Iron Slotted Grate, Class E, 1/2 metre long. (.51" wide x 1.14" long slots) (113.5 sq. inches of free area)
- 4-13 Ductile Iron Slotted Grate, Galvanized, Class E, 1/2 metre long. (.51" wide x 1.14" long slots) (113.5 sq. inches of free area)
- 6 Vandal Proof grate lockdown (Stainless Steel) (Does not work with perforated grate)
- 45 45 degree body section
- 90 90 degree body section
- PBO2 2" No Hub Bottom Outlet
- PBO3 3" No Hub Bottom Outlet
- PBO4 4" No Hub Bottom Outlet
- PBO6 6" No Hub Bottom Outlet
- PBO8 8" No Hub Bottom Outlet
- PBO10 10" No Hub Bottom Outlet
- PBDS Bottom Dome Strainer
- PEC Closed End Cap
- PEO2 2" No Hub End Outlet
- PEO3 3" No Hub End Outlet
- PEO4 4" No Hub End Outlet
- PEO6 6" No Hub End Outlet
- PEO8 8" No Hub End Outlet
- PEO10 10" No Hub End Outlet
- REB Rebar Support
- TEE Fabricated Tee

Load Class Definition:

Load Class E- Extra Heavy Duty, DIN 19580, 135,000 lbs., 2,788 psi. For commercial solid tire traffic patterns, and impacts from steel struts or metal wheels.

Half-metre body sections are available. Contact your MIFAB representative for more information.

Note: For catch basins, see the T1800-CB950 specification sheet.



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