



**TDPC-2022** 

2022

POLYMER
CONCRETE
TRENCH DRAIN
CATALOG

POLYMER CONCRETE
TRENCH DRAIN PRODUCTS



4", 8", 12" INTERNAL WIDTHS - SHALLOW CHANNELS - CATCH BASINS
(6", 10" AND 14" OVERALL WIDTHS)





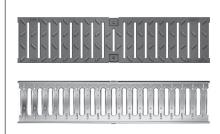
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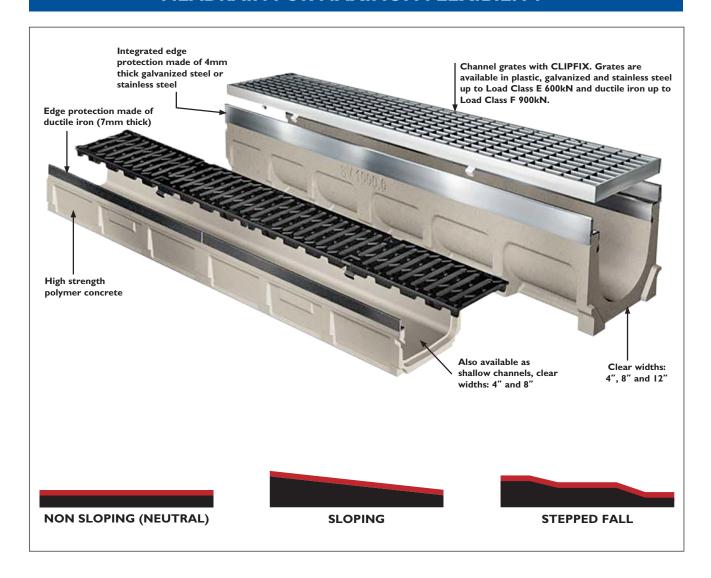
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### **MEADRAIN FOR MAXIMUM FLEXIBILITY**



#### The MEADRAIN drainage channels made of polymer concrete are ideal for:

- Vehicle Maintenance
- Parking Lots and Garages
- Industrial and Logistics Areas
- All Hardscape Applications

- Commercial Areas
- Internal Applications
- Fire and Police Stations
- Gas Stations

- Docks and Ports
- Truck Stops
- The MEADRAIN drainage channels with 4mm edges made of galvanized steel, stainless steel and ductile iron (7mm edges) have been designed for maximum stability and easy installation.
- · ADA grates for handicapped accessible areas
- · Heelproof grates for areas with high heels
- · Ductile Iron slotted, longitudinal and decorative grates
- · Perforated and mesh grates made of galvanized and stainless steel
- · Slotted grates made of galvanized and stainless steel
- · Longitudinal galvanized and stainless steel grates



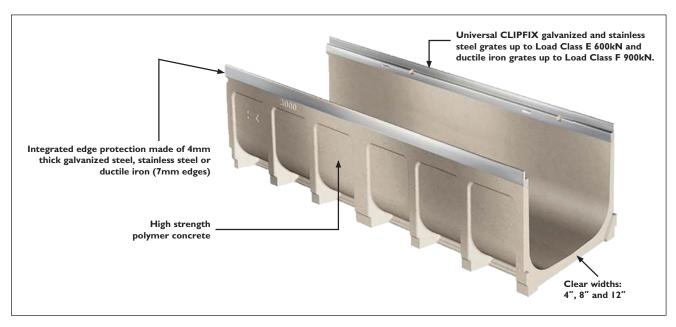


# **MEADRAIN MATERIAL ADVANTAGES**

MEAs polymer concrete drainage channels offer the best price and performance for projects with grates up to Load Class F 900kN. The channels are available with edge rails made of galvanized steel, stainless steel and ductile iron. Available in 4", 8" and 12" internal widths; the channel offering is completed with a wide variety of grates and accessories.

MEADRAIN combines high quality with long lasting performance.

- · Drainage channel made of polymer concrete
- Load Class up to F 900kN
- Easy to install



#### **MEA POLYMER CONCRETE**

The polymer concrete from MEA has outstanding physical and chemical properties. These make it an extremely reliable and versatile material in even the toughest conditions.

MEA polymer concrete channels are composed of mineral aggregates and resin. Polymer concrete channels are resistant to most chemicals and acids.

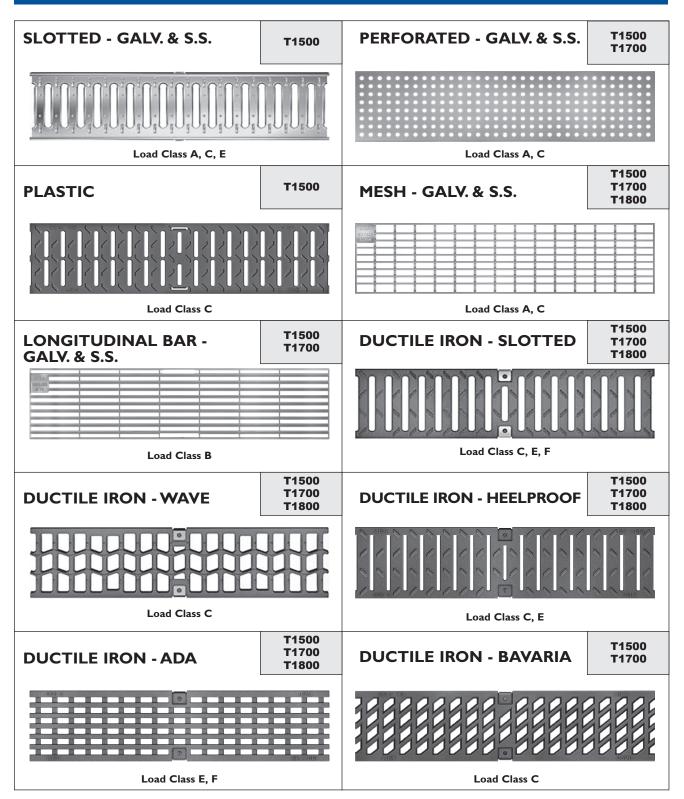
A maximum working temperature of 180° F (82° C) is recommended.

	MATERIAL CHARACTERISTICS						
Compressive strength	14,000 p.s.i.						
Flexural tensile strength	4,000 p.s.i.						
Water adsorption	Below 0.05%						
Water ingression depth	0 mm2						
Roughness Co-efficient (Manning's)	n=0.011						
Freeze / Thaw	300 cycles modulus of elasticity - 95.1%						
Surface Burning	Flame spread; 0 smoke density; 5 E84						
Material structure	Capillary-free – ideal for the rapid discharge of water and dirt particles						
Channel body weight	Significantly lighter than conventional concrete channels						
Workability	Suitable for grinding disks, masonry drills						
Ageing resistance	Frost proof, wear-resilient, & maintenance-free. Highly resistant to chemicals (pH range 3 to 9)						





### **CLIPFIX UNIVERSAL GRATES**



MEA offers a wide range of grates for polymer concrete channels systems that are not just functional, but also aesthetically pleasing.

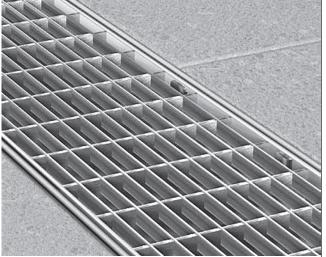




# **CLIPFIX UNIVERSAL GRATE LOCKING DESIGN**







Thanks to the CLIPFIX system, the channel and grates offer an aesthetically pleasing solution when installed, because no locking devices or screws are visible.





CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Visit www.mifab.com for the most recent product information. Design and dimensions are subject to modification. Prices do not include applicable taxes.





# **SYSTEM PRICING (PER FOOT)**

	T1500-13 - 4" Internal Width Galvanized Steel Edge Rails					
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX			LIST PRICE (Per Foot)
Α	Galvanized Steel	Perforated	PGA-13-FP	رنج		\$63.07
Α	Galvanized Steel	Slotted	PGA-13-FS			\$63.07
В	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	رنج		\$100.85
С	Galvanized Steel	Mesh	PGC-13-GM	رنج		\$134.48
С	Galvanized Steel	Perforated	PGC-13-FP	į	~	\$131.32
С	Galvanized Steel	Slotted	PGC-13-FS			\$131.32
С	Plastic	Heelproof Slotted	PGC-HPP			\$177.52
С	Galvanized Steel	Paverslot	PGC-13-SD	رنج		\$251.02
С	Ductile Iron	Slotted	PGC-4			\$79.87
С	Ductile Iron	Heelproof Slotted	PGC-4-HP		~	\$105.98
С	Ductile Iron	WAVE	PGC-4-WVY			\$106.12
С	Ductile Iron	BAVARIA	PGC-4-BG			\$106.12
Е	Galvanized Steel	Slotted	PGE-13-FS			\$118.77
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP			\$133.43
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	į		\$133.43
Е	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	į	<b>~</b>	\$174.37
Е	Ductile Iron	Slotted	PGE-4			\$97.73
E	Ductile Iron	Slotted, galvanized	PGE-4-13			\$110.32

	T1560-13 - 4" Internal Width, 45MM Deep Galvanized Steel Edge Rails						
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)		
Α	Galvanized Steel	Perforated	PGA-13-FP	الغ) الم	\$59.57		
Α	Galvanized Steel	Slotted	PGA-13-FS		\$59.57		
В	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	بغ	\$97.34		
С	Galvanized Steel	Mesh	PGC-13-GM	<b>[i</b>	\$130.97		
С	Galvanized Steel	Perforated	PGC-13-FP	<u>i</u>	\$127.82		
С	Galvanized Steel	Slotted	PGC-13-FS		\$127.82		
С	Plastic	Heelproof Slotted	PGC-HPP	~	\$174.02		
С	Galvanized Steel	Paverslot	PGC-13-SD	رنج	\$247.52		
С	Ductile Iron	Slotted	PGC-4		\$76.37		
С	Ductile Iron	Heelproof Slotted	PGC-4-HP	~	\$102.47		
С	Ductile Iron	WAVE	PGC-4-WVY		\$102.62		
С	Ductile Iron	BAVARIA	PGC-4-BG		\$102.62		
Е	Galvanized Steel	Slotted	PGE-13-FS		\$115.27		
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	~	\$129.92		
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	j N	\$129.92		
Е	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	j) N	\$170.87		
Е	Ductile Iron	Slotted	PGE-4		\$94.22		
Е	Ductile Iron	Slotted, galvanized	PGE-4-13		\$106.82		
	T156	0-3 - 4" Interna	l Width. 45MM D	)eep			

E	Ductile Iron	Slotted, galvanized	PGE-4-13		\$110.32			
	T1500-3 - 4" Internal Width Stainless Steel Edge Rails							
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)			
Α	Stainless Steel	Perforated	PGA-3-FP	الخ الخ	\$158.80			
Α	Stainless Steel	Slotted	PGA-3-FS		\$158.80			
Α	Stainless Steel	Mesh	PGA-3-SM	بن	\$190.38			
В	Stainless Steel	Longitudinal Slotted	PGB-3-LS	<b>1</b>	\$431.56			
С	Stainless Steel	Slotted	PGC-3-FS		\$251.20			
С	Stainless Steel	Perforated	PGC-3-FP	ある	\$251.20			
С	Plastic	Heelproof Slotted	PGC-HPP		\$216.55			
С	Stainless Steel	Mesh	PGC-3-SM	رنج	\$350.47			
С	Stainless Steel	Paverslot	PGC-3-SD	بخ	\$493.75			
С	Ductile Iron	Slotted	PGC-4		\$118.90			
С	Ductile Iron	Heelproof Slotted	PGC-4-HP	~	\$145.00			
С	Ductile Iron	Wave	PGC-4-WVY		\$145.15			
С	Ductile Iron	Bavaria	PGC-4-BG		\$145.15			
С	Stainless Steel	Bar	PGC-3-SBG		\$290.55			
С	Stainless Steel	Bar, Anti Slip	PGC-3-ASBG		\$340.55			
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP	_	\$172.45			
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	الخ	\$172.45			
Е	Ductile Iron	Slotted	PGE-4		\$136.75			
Е	Stainless Steel	Slotted	PGE-3-FS		\$305.83			
Е	Stainless Steel	Bar	PGE-3-SBG		\$477.55			
Е	Stainless Steel	Bar, Anti Slip	PGE-3-ASBG		\$530.55			

	Stainless Steel Edge Rails						
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX			LIST PRICE (Per Foot)	
Α	Stainless Steel	Perforated	PGA-3-FP	<b>(</b>		\$153.08	
Α	Stainless Steel	Slotted	PGA-3-FS			\$153.08	
Α	Stainless Steel	Mesh	PGA-3-SM	رنج		\$184.66	
В	Stainless Steel	Longitudinal Slotted	PGB-3-LS	<b>_</b>		\$425.84	
С	Stainless Steel	Slotted	PGC-3-FS			\$245.48	
С	Stainless Steel	Perforated	PGC-3-FP	į		\$245.48	
С	Plastic	Heelproof Slotted	PGC-HPP			\$210.83	
С	Stainless Steel	Mesh	PGC-3-SM	رنج	_	\$344.75	
С	Stainless Steel	Paverslot	PGC-3-SD	<b>i</b>		\$488.03	
С	Ductile Iron	Slotted	PGC-4			\$113.18	
С	Ductile Iron	Heelproof Slotted	PGC-4-HP			\$139.28	
С	Ductile Iron	WAVE	PGC-4-WVY		_	\$139.43	
С	Ductile Iron	BAVARIA	PGC-4-BG			\$139.43	
С	Stainless Steel	Bar	PGC-3-SBG			\$284.83	
С	Stainless Steel	Bar, Anti Slip	PGC-3-ASBG			\$334.83	
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP			\$166.73	
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	رنج		\$166.73	
Е	Ductile Iron	Slotted	PGE-4			\$131.03	
Е	Stainless Steel	Slotted	PGE-3-FS			\$300.12	
Е	Stainless Steel	Bar	PGE-3-SBG			\$471.83	
Е	Stainless Steel	Bar, Anti Slip	PGE-3-ASBG			\$524.83	

#### NOTE:

**Lockdowns** The CLIPFIX locking clips are included with all of the above Class A - E grates. Class F grates have PROFIX locking clips.

45s, 90s, catch basins, outlets, end caps and installation devices are priced separately & not included in the above System Pricing. (See Page 12)

	T1500-4 - 4" Internal Width Ductile Iron Edge Rails								
GRATE LOAD CLASS	MATERIAL		LIST PRICE (Per Foot)						
F	Ductile Iron	Slotted	PGF-4-PX		\$135.67				
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	•	\$150.15				
F	Ductile Iron	Longitudinal Slotted	PGF-4-PX-ADA	الغي الم	\$153.96				
F	Ductile Iron	Longitudinal Slotted, galvanized	PGF-4-PX-ADA-13	الغي ا	\$173.02				

Cutting Charges Cutting / per cut - (including bodies and grate - but does not include bonding of channel bodies) \$450.00

See page 10 for explanation of ADA compliant grates



See page 10 for explanation of Heelproof compliant grates





# **SYSTEM PRICING (PER FOOT)**

	T1700-13 - 8	3" Internal Wid	dth Galvanized Steel Edge Rails		
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)
Α	Galvanized Steel	Mesh	PGA-13-GM	رنج	\$201.36
В	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	<b>.</b>	\$213.94
С	Galvanized Steel	Perforated	PGC-13-FP	<b>1</b>	\$405.88
С	Galvanized Steel	Mesh	PGC-13-GM		\$313.43
С	Ductile Iron	Slotted	PGC-4	بغ	\$168.60
С	Ductile Iron	Heelproof Slotted	PGC-4-HP		\$233.69
С	Ductile Iron	WAVE	PGC-4-WVY		\$233.69
С	Ductile Iron	BAVARIA	PGC-4-BG		\$233.69
С	Galvanized Steel	Paverslot	PGC-13-SD	بخ	\$256.20
Е	Ductile Iron	Slotted	PGE-4		\$215.85
E	Ductile Iron	Slotted, galvanized	PGE-4-13		\$266.25
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP	_	\$266.25
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	<b>1</b>	\$266.25
Е	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	į N	\$376.49

	T1700-3 - 8" Internal Width Stainless Steel Edge Rails						
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX			LIST PRICE (Per Foot)	
Α	Stainless Steel	Mesh	PGA-3-SM	[رفتم]		\$745.21	
В	Stainless Steel	Longitudinal Slotted	PGB-3-LS	رنج		\$745.21	
С	Stainless Steel	Perforated	PGC-3-FP	رنج	7	\$706.36	
С	Stainless Steel	Mesh	PGC-3-SM		رنج	\$875.06	
С	Stainless Steel	Bar	PGC-3-SBG		(A)	\$810.32	
С	Stainless Steel	Bar, Anti Slip	PGC-3-ASBG			\$879.27	
С	Ductile Iron	Slotted	PGC-4		1	\$245.43	
С	Ductile Iron	Heelproof Slotted	PGC-4-HP			\$310.52	
С	Ductile Iron	WAVE	PGC-4-WVY			\$310.52	
С	Ductile Iron	BAVARIA	PGC-4-BG	$\overline{}$		\$310.52	
С	Stainless Steel	Paverslot	PGC-3-SD	ارفتم		\$495.05	
Е	Stainless Steel	Bar	PGE-3-SBG			\$879.27	
Е	Stainless Steel	Bar, Anti Slip	PGE-3-ASBG			\$954.27	
Е	Ductile Iron	Slotted	PGE-4			\$292.68	
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP			\$343.08	
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	رنج	1	\$343.08	

T1700-4 - 8" Internal Width							
		Ductile Iron	Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)		
F	Ductile Iron	Slotted	PGF-4-PX		\$248.17		
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13		\$280.18		
F	Ductile Iron	Longitudinal Slotted	PGF-4-PX-ADA	الخ الخ	\$266.46		
F	Ductile Iron	Longitudinal Slotted,	PGF-4-PX-ADA-13		\$303.05		

T1800-3 - 12" Internal Width Stainless Steel Edge Rails							
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)		
С	Stainless Steel	Mesh	PGC-3-SM		\$1,131.23		
С	Stainless Steel	Bar	PGC-3-SBG		\$1,005.95		
С	Stainless Steel	Bar, Anti Slip	PGC-3-ASBG		\$1,057.09		
С	Ductile Iron	Slotted	PGC-4		\$315.02		
С	Ductile Iron	Heelproof Slotted	PGC-4-HP	~	\$368.58		
С	Ductile Iron	WAVE	PGC-4-WVY		\$483.83		
Е	Ductile Iron	Slotted	PGE-4		\$507.70		
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP		\$507.70		
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	~	\$507.70		
Е	Stainless Steel	Bar	PGE-3-SBG		\$1,072.09		
Е	Stainless Steel	Bar, Anti Slip	PGE-3-ASBG		\$1,132.09		

T176	T1760-13 - 8" Internal Width, 60MM Deep Galvanized Steel Edge Rails						
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX			LIST PRICE (Per Foot)	
Α	Galvanized Steel	Mesh	PGA-13-GM	رنج		\$194.95	
В	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	<i>(</i> <b>5</b> )		\$207.54	
С	Galvanized Steel	Perforated	PGC-13-FP	<b>i</b>		\$399.48	
С	Galvanized Steel	Mesh	PGC-13-GM			\$307.03	
С	Ductile Iron	Slotted	PGC-4	رنج		\$162.20	
С	Ductile Iron	Heelproof Slotted	PGC-4-HP			\$227.29	
С	Ductile Iron	WAVE	PGC-4-WVY			\$227.29	
С	Ductile Iron	BAVARIA	PGC-4-BG			\$227.29	
С	Galvanized Steel	Paverslot	PGC-13-SD	رنج		\$249.80	
E	Ductile Iron	Slotted	PGE-4			\$209.45	
E	Ductile Iron	Slotted, galvanized	PGE-4-13			\$259.85	
E	Ductile Iron	Heelproof Slotted	PGE-4-HP		•	\$259.85	
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	ارنج	•	\$259.85	
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	į	<b>~</b>	\$370.09	

T17	60-3 - 8" Inte	rnal Width, 60	MM Deep Stainless	Steel E	dge Rails
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX		LIST PRICE (Per Foot)
Α	Stainless Steel	Mesh	PGA-3-SM	رنج	\$733.93
В	Stainless Steel	Longitudinal Slotted	PGB-3-LS	جالخا	\$733.93
С	Stainless Steel	Perforated	PGC-3-FP	<i>i</i>	\$695.08
С	Stainless Steel	Mesh	PGC-3-SM	<b>i</b>	\$863.78
С	Stainless Steel	Bar	PGC-3-SBG	(A)	\$799.04
С	Stainless Steel	Bar, Anti Slip	PGC-3-ASBG		\$867.99
С	Ductile Iron	Slotted	PGC-4	~	\$234.15
С	Ductile Iron	Heelproof Slotted	PGC-4-HP		\$299.24
С	Ductile Iron	WAVE	PGC-4-WVY		\$299.24
С	Ductile Iron	BAVARIA	PGC-4-BG		\$299.24
С	Stainless Steel	Paverslot	PGC-3-SD	رنج	\$483.77
Е	Stainless Steel	Bar	PGE-3-SBG		\$867.99
Е	Stainless Steel	Bar, Anti Slip	PGE-3-ASBG		\$942.99
Е	Ductile Iron	Slotted	PGE-4		\$281.40
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP		\$331.80
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	ارنج ا	\$331.80

	T1800-13 - 1	2" Internal Wid	dth Galvanized Steel Edge F	Rails
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
С	Galvanized Steel	Mesh	PGC-13-GM	\$599.83
С	Ductile Iron	Slotted	PGC-4	\$257.39
С	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$310.96
С	Ductile Iron	WAVE	PGC-4-WVY	\$426.20
Е	Ductile Iron	Slotted	PGE-4	\$450.08
Е	Ductile Iron	Slotted, galvanized	PGE-4-13	\$505.26
Е	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$450.08
Е	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$450.08
Е	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$505.26

			<b>Internal Width</b> Edge Rails	
GRATE LOAD CLASS	GRATE MATERIAL	GRATE SUFFIX	LIST PRICE (Per Foot)	
F	Ductile Iron	Slotted	PGF-4-PX	\$371.49
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	\$418.75

NOTE: Lockdowns The CLIPFIX locking clips are included with all of the above Class A - E grates. Class F grates have PROFIX locking clips.

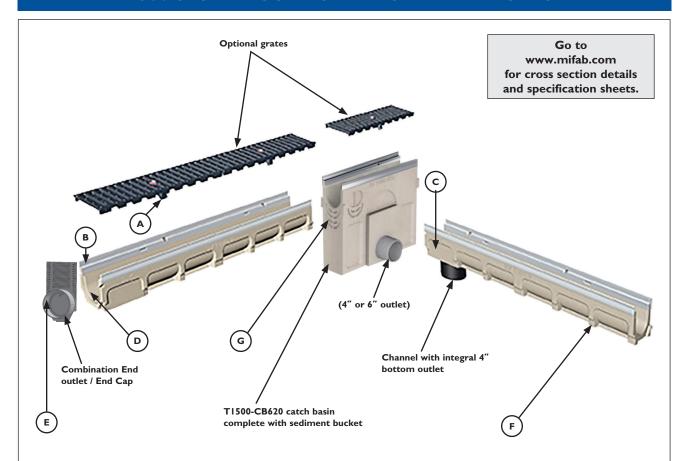
45s, 90s, catch basins, outlets, end caps and installation devices are priced separately and not included in the above System Pricing. (See Page 12)

Cutting Charges Cutting / per cut - (including bodies and grate - but does not include bonding of channel bodies) \$618.5





# **T1500 SYSTEM COMPONENTS AND FEATURES**



- A. Innovative CLIPFIX grate locking mechanism. Grates made of plastic, ductile iron, galvanized and stainless steel.
- B. MEA polymer concrete channels with galvanized and stainless steel edge rails (4mm thick) and ductile iron edge rails (7mm thick) as per EN 1433.
- C. High strength of the drainage channel body enables Load Class A 15kN to Load Class F 900kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Combination end cap / 4" end outlet for either end of the channels for all depths.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete encasement.
- G. Catch basins are adaptable to all channel depths.





ADA grates are designed to have open slots no greater than 0.5 inches (13mm) wide in one direction. If the length of the slot is greater than 0.5 inches, the opening shall run perpendicular to the main direction.



Heelproof grates are designed to resist entry of pointed high heel shoes from entering the trench drain grate opening. ASME Standard A112.6.3, Section 7.12 defines Heelproof as: "A grate designed to resist entry of high-heeled shoes, in which the maximum grate hole size in least dimension shall be 5/16" (8mm) (0.31").

# T1560 - 4" INTERNAL WIDTH - SHALLOW CHANNELS





T1500-CB620 Catch Basin

GALVANIZED STEEL RAILS	INTEGRAL	STAINLESS STEEL INTEGRAL RAILS		BODY INVERT BODY OF TYPE DEPTH			OVERALI DEP		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Neutral - 0%	Min.	Max.	Min.	Max.	GPM	Lbs.
T1560N-PB-13	\$157.50	T1560N-PB-3	\$278.25	Neutral	1.78"	1.78"	3.15"	3.15"	48	21.87
<b>T1560N-PB-13-500</b> (1/2 meter long)	\$110.50	<b>T1560N-PB-3-500</b> (1/2 meter long)	\$195.50	Neutral	1.78"	1.78"	3.15"	3.15"	48	10.80
T1560N-PB-13-BO4	\$157.50	T1560N-PB-3-BO4	\$278.25	Neutral	1.78"	1.78"	3.15"	3.15"	48	21.38

#### **CATCH BASINS FOR T1500 AND T1560 CHANNELS**

GALVANIZED STEEL II RAILS	NTEGRAL	STAINLESS STEEL II RAILS	NTEGRAL	DUCTILE IRON INT	TEGRAL	BODY TYPE	INV DEI	ERT PTH	OVE		WEIGHT (LESS GRATE)
Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Neutral - 0%	Min.	Max.	Min.	Max.	Lbs.
T1500-CB620-13-SO4	\$451.50	T1500-CB620-3-SO4	\$504.00	T1500-CB620-4-SO4	\$546.00	Neutral	17.00"	17.00"	17.00"	17.00"	77.16
T1500-CB620-13-SO6	\$451.50	T1500-CB620-3-SO6	\$504.00	T1500-CB620-4-SO6	\$546.00	Neutral	17.00"	17.00"	17.00"	17.00"	77.16
T1500-CB620-SB	\$118.25	Replacement sediment b	ucket								

**NOTE:** All catch basins are shipped with the sediment bucket included.



MI-FLEX-400



T1500-PBDS



**T1500-PEO** Plastic End Cap / Outlet - 4"



**T1500-REB** (Installation Device) Optional Installation Device (Two required per channel)



T1560-PEC Closed End Cap for T1560N Channels

MODEL #	DESCRIPTION	MATERIAL	LIST PRICE	WEIGHT (Lbs.)
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$18.00	0.50
T1500-PBDS	Bottom Dome Strainer	Stainless Steel	\$58.00	0.20
T1500-PEO	4" No Hub End inlet / outlet and combination front / end cap	Plastic	\$28.00	0.44
T1500-REB	Installation Device (See page 26) (Two required per channel)	Galvanized Steel	\$18.00, each piece	0.22
T1560-PEC-13	Closed End Cap for T1560N-13 channels	Galvanized Steel	\$28.00	0.20
T1560-PEC-3	Closed End Cap for T1560N-3 channels	Stainless Steel	\$46.25	0.20





# **TI500 - 4" INTERNAL WIDTH CHANNELS**

Go to www.mifab.com for cross section details and specification sheets.

GALVANIZED STEEL	INTEGRAL RAILS	STAINLESS STEEL	. INTEGRAL RAILS	BODY TYPE	ВО	ERT DY PTH	ВС	RALL DDY PTH	MAXIMUM FLOW RATE	WEIGH (LESS GRATE
Channel Model #	List Price, Each, Add (1 Meter long)	Channel Model #	List Price, Each, Add (1 Meter long)	Sloped5% Neutral - 0%	E1 (Min.)	E2 (Max.)	E1 (Min.)	E2 (Max.)	GPM	Lbs.
T1500N-PB-13	\$169.00	T1500N-PB-3	\$297.00	Neutral	4.34"	4.34"	5.91"	5.91"	109	34.94
T1500N-PB-13-BO4	<b>\$169.00</b> (with 4" bottom outlet)	T1500N-PB-3-BO4	<b>\$297.00</b> (with 4" bottom outlet)	Neutral	4.34"	4.34"	5.91"	5.91"	109	31.97
T1500N-PB-13-500	\$126.00 (half meter long channel)	T1500N-PB-3-500	<b>\$210.00</b> (half meter long channel)	Neutral	4.34"	4.34"	5.91"	5.91"	109	16.95
T1501-PB-13	\$169.00	T1501-PB-3	\$297.00	Sloped	4.34"	4.53"	5.91"	6.11"	117	31.97
T1502-PB-13	\$169.00	T1502-PB-3	\$297.00	Sloped	4.53"	4.73"	6.11"	6.30"	125	31.97
T1503-PB-13	\$169.00	T1503-PB-3	\$297.00	Sloped	4.73"	4.93"	6.30"	6.50"	135	33.07
T1504-PB-13	\$169.00	T1504-PB-3	\$297.00	Sloped	4.93"	5.12"	6.50"	6.70"	143	33.36
T1505-PB-13	\$169.00	T1505-PB-3	\$297.00	Sloped	5.12"	5.32"	6.70"	6.89"	151	34.17
T1506-PB-13	\$169.00	T1506-PB-3	\$297.00	Sloped	5.32"	5.52"	6.89"	7.09"	160	35.27
T1507-PB-13	\$169.00	T1507-PB-3	\$297.00	Sloped	5.52"	5.71"	7.09"	7.29"	170	36.38
T1508-PB-13	\$169.00	T1508-PB-3	\$297.00	Sloped	5.71"	5.91"	7.29"	7.49"	179	36.38
T1509-PB-13	\$169.00	T1509-PB-3	\$297.00	Sloped	5.91"	6.11"	7.49"	7.68"	189	37.48
T1510-PB-13	\$169.00	T1510-PB-3	\$297.00	Sloped	6.11"	6.30"	7.68"	7.88"	198	37.96
T1510-PB-13-BO4	\$169.00 (with 4" bottom outlet)	T1510-PB-3-BO4	<b>\$297.00</b> (with 4" bottom outlet)	Sloped	6.11"	6.30"	7.68"	7.88"	198	37.48
T1510N-PB-13	\$169.00	T1510N-PB-3	\$297.00	Neutral	6.30"	6.30"	7.88"	7.88"	198	37.99
T1510N-PB-13-B04	\$169.00 (with 4" bottom outlet)	T1510N-PB-3-B04	\$297.00 (with 4" bottom outlet)	Neutral	6.30"	6.30"	7.68"	7.88"	198	38.58
T1510N-PB-13-500	\$126.00 (half meter long channel)	T1510N-PB-3-500	\$210.00 (half meter long channel)	Neutral	6.30"	6.30"	7.88"	7.88"	198	19.84
T1511-PB-13	\$169.00	T1511-PB-3	\$297.00	Sloped	6.30"	6.50"	7.88"	8.08"	209	39.03
T1512-PB-13	\$169.00	T1512-PB-3	\$297.00	Sloped	6.50"	6.70"	8.08"	8.27"	219	39.65
T1513-PB-13	\$169.00	T1513-PB-3	\$297.00	Sloped	6.70"	6.89"	8.27"	8.47"	230	40.26
T1514-PB-13	\$169.00	T1514-PB-3	\$297.00	Sloped	6.89"	7.09"	8.47"	8.67"	241	40.88
T1515-PB-13	\$169.00	T1515-PB-3	\$297.00	Sloped	7.09"	7.29"	8.67"	8.86"	252	41.50
T1516-PB-13	\$169.00	T1516-PB-3	\$297.00	Sloped	7.29"	7.49"	8.86"	9.06"	268	42.11
T1517-PB-13	\$169.00	T1517-PB-3	\$297.00	Sloped	7.49"	7.68"	9.06"	9.26"	281	42.73
T1517-PB-13	\$169.00	T1517-PB-3	\$297.00	Sloped	7.49	7.88"	9.26"	9.45"	293	43.35
T1519-PB-13	\$169.00	T1510-PB-3	\$297.00		7.88"	8.08"	9.45"		306	43.33
T1519-PB-13	\$169.00	T1519-PB-3	\$297.00	Sloped	8.08"	8.27"	9.45	9.65" 9.85"	319	44.58
T1520-PB-13-BO4	\$169.00 (with 4" bottom outlet)	T1520-PB-3-BO4	\$297.00 (with 4" bottom outlet)	Sloped	8.08"	8.27"	9.65"	9.85"	319	44.58
T1520N-PB-13	\$169.00	T1520N-PB-3	\$297.00	Neutral	8.27"	8.27"	9.85"	9.85"	319	45.19
T1520N-PB-13-B04	\$169.00 (with 4" bottom outlet)	T1520N-PB-3-B04	\$297.00 (with 4" bottom outlet)	Neutral	8.27"	8.27"	9.85"	9.85"	319	45.19
T1520N-PB-13-500	\$126.00 (half meter long channel)	T1520N-PB-3-500	\$210.00 (half meter long channel)	Neutral	8.27"	8.27"	9.85"	9.85"	319	22.93
T1521-PB-13	\$169.00	T1521-PB-3	\$297.00	Sloped	8.27"	8.47"	10.04"	10.24"	331	47.95
T1522-PB-13	\$169.00	T1522-PB-3	\$297.00	Sloped	8.47"	8.67"		10.44"	346	48.57
T1523-PB-13	\$169.00	T1523-PB-3	\$297.00	Sloped	8.67"	8.86"		10.63"	360	49.19
T1524-PB-13	\$169.00	T1524-PB-3	\$297.00	Sloped	8.86"	9.06"		10.83"	374	49.80
T1525-PB-13	\$169.00	T1525-PB-3	\$297.00	Sloped	9.06"	9.26"		11.03"	388	50.42
T1526-PB-13	\$169.00	T1526-PB-3	\$297.00	Sloped	9.26"	9.45"		11.23"	412	51.04
T1527-PB-13	\$169.00	T1527-PB-3	\$297.00	Sloped	9.45"	9.65"		11.42"	428	51.65
T1528-PB-13	\$169.00	T1528-PB-3	\$297.00	Sloped	9.65"	9.85"		11.62"	444	52.27
T1529-PB-13	\$169.00	T1529-PB-3	\$297.00	Sloped	9.85"	10.04"		11.82"	460	52.89
T1530-PB-13	\$169.00	T1530-PB-3	\$297.00	Sloped		10.24"		12.01"	477	53.51
T1530-PB-13-BO4	\$169.00 (with 4" bottom outlet)	T1530-PB-3-BO4	\$297.00 (with 4" bottom outlet)	Sloped		10.24"	11.82"	12.01"	477	53.51
Channel with		T1500N-PB-4	\$255.00	Neutral	4.34"	4.34"	5.91"	5.91"	109	34.94
Ductile Iron integral rails		T1510N-PB-4 (with D.I. rails)	\$255.00	Neutral	6.30"	6.30"	7.88"	7.88"	198	38.58





#### **GRATES FOR T1500 & T1560 - 4" INTERNAL WIDTH CHANNELS**

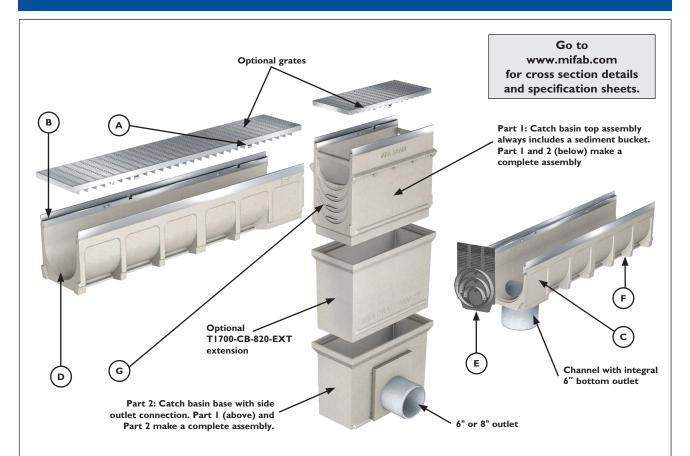
Grate Part #	ATES - EN 1433 - 3,372 LBS., 15kN, 70 P. Description	S.I.	Length (MM)	List	List Price	Weight	
	Description		Length (MM)	List	List Price	Weight	
T400 BGA 42 EB				Price	(Per Foot)	(Lbs.)	
	Class A Galvanized Perforated Grate, 1 meter		39.37" (1000)	\$37.88	\$11.55	3.85	
T100-PGA-3-FP	Class A Galvanized Perforated Grate, 1/2 meter Class A Stainless Steel Perforated Grate, 1 meter	<i>i</i> ≥ ~	19.69" (500) 39.37" (1000)	\$22.73 \$223.86	\$13.86 \$68.25	2.09 3.85	
	Class A Stainless Steel Perforated Grate, 1/2 meter		19.69" (500)	\$134.32	\$81.90	2.09	
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1 meter Class A Galvanized Slotted Grate, 1/2 meter		39.37" (1000) 19.69" (500)	\$37.88 \$22.73	\$11.55 \$13.86	3.08 2.86	
	Class A Stainless Steel Slotted Grate, 1 meter Class A Stainless Steel Slotted Grate, 1/2 meter		39.37" (1000) 19.69" (500)	\$223.86 \$134.32	\$68.25 \$81.90	3.12 2.42	aniciololololololololololololololololol
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	į	39.37" (1000)	\$327.45	\$99.83	5.72	
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	P	19.69" (500)	\$187.97	\$114.62	3.08	
LOAD CLASS B GR	ATES - EN 1433 - 28,100 LBS., 125kN, 58	0 P.S.I					
T100-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter		39.37" (1000)	\$161.79	\$49.33	8.80	
T100-PGB-13-LS-500 T100-PGB-3-LS	Class B Galvanized Longitudinal Grate, 1/2 meter Class B Stainless Steel Longitudinal Grate, 1 meter	م فر	19.69" (500) 39.37" (1000)	\$89.87 \$1,118.51	\$54.80 \$341.01	4.37 8.80	
T100-PGB-3-LS-500	Class B Stainless Steel Longitudinal Grate, 1/2 meter		19.69" (500) ´	\$792.15	\$483.02	4.37	
LOAD CLASS C GR	ATES - EN 1433 - 56,200 LBS., 250kN, 1,1	60 P.S	S.I.				
	Class C Galvanized Perforated Grate, 1 meter		39.37" (1000)	\$261.74	\$79.80	9.04	
	Class C Galvanized Perforated Grate, 1/2 meter Class C Stainless Steel Perforated Grate, 1 meter Aug./22	<i>i</i> .	19.69" (500) (39.37" (1000)	\$157.05 \$526.93	\$95.76 \$160.65	4.51 9.04	
	Class C Stainless Steel Perforated Grate, 1/2 meter		19.69" (500)	\$316.16	\$192.78	4.51	
		Avail.	39.37" (1000) 19.69" (500)	\$261.74 \$157.05	\$79.80 \$95.76	9.68 4.59	
T100-PGC-3-FS	Class C Stainless Steel Slotted Grate, 1 meter Class C Stainless Steel Slotted Grate, 1/2 meter	ine/22	39.37" (1000) 19.69" (500)	\$526.93 \$316.16	\$160.65 \$192.78	9.32 4.62	
	Class C Galvanized Mesh Grate, 1 meter		39.37" (1000)	\$272.08	\$82.95	11.50	
T100-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter Class C Stainless Steel Mesh Grate, 1 meter	رفر	19.69" (500) (39.37" (1000)	\$163.24 \$852.53	\$99.54 \$259.92	5.80 11.50	
	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	\$612.98	\$373.77	5.80	
	Class C Stainless Steel Bar Grate, 1 meter Class C Stainless Steel Bar Grate, 1/2 meter		39.37" (1000) 19.69" (500)	\$656.00 \$410.00	\$200.00 \$250.00	14.00 7.50	
T100-PGC-3-ASBG	Class C Stainless Steel Anti Slip Bar Grate, 1 meter		39.37" (1000)	\$820.00	\$250.00	14.00	
	Class C Stainless Steel Anti Slip Bar Grate, 1/2 meter Class C Galvanized Paverslot Grate, 1 meter		19.69" (500) 39.37" (1000)	\$492.00 \$654.36	\$300.00 \$199.50	7.50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
T100-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	ہ افہ	19.69" (500)	\$392.62	\$239.40	5.23	• •
	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter Class C Stainless Steel Paverslot Grate, 1 meter		19.69" (500) 39.37" (1000)	\$433.27 \$1,322.50	\$264.19 \$403.20	7.43	
T100-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	j N	19.69" (500)	\$793.50	\$483.84	5.06	• •
T100-PGC-3-SD-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	\$816.40	\$497.80	7.43	
T100-PGC-HPP	Class C Plastic Slotted Grate, 1/2 meter	~	19.69" (500)	\$206.64	\$126.00	2.35	
T100-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$46.49	\$28.35	7.26	
	and o public non distinct drute, nº motor		10.00 (000)	<b>*</b>	720.00		
T100-PGC-4-HP	Class C Ductile Iron, Heelproof Slotted Grate, 1/2 meter	~	19.69" (500)	\$89.30	\$54.45	7.26	
T100-PGC-4-WVY	Class C Ductile Iron, WAVE Grate, 1/2 meter		19.69" (500)	\$89.54	\$54.60	10.12	
			10.00 (000)				
T100-PGC-4-BG	Class C Ductile Iron, Bavaria Grate, 1/2 meter		19.69" (500)	\$89.54	\$54.60	6.60	
T100-SCC-4	Class C Ductile Iron Solid Cover, 1/2 meter	j.	19.69" (500)	\$89.54	\$54.60	13.00	
			(555)	******	******		
LOAD CLASS E GR	ATES - EN 1433 - 134,800 LBS., 600kN, 2,	785 P	.S.I.				
	Class E Galvanized Slotted Grate. 1 meter		39.37" (1000)	\$220.58	\$67.25	9.68	
T100-PGE-13-FS-500	Class E Galvanized Slotted Grate, 1/2 meter	_	19.69" (500) 39.37" (1000)	\$141.67 \$706.13	\$86.38 \$215.28	4.59 9.32	
	Class E Stainless Steel Slotted Grate, 1 meter Class E Stainless Steel Slotted Grate, 1/2 meter	ept./22	19.69" (500)	\$423.69	\$258.35	4.62	aniololololololololololololololololololol
	Class E Stainless Steel Bar Grate, 1 meter		39.37" (1000)	\$1,269.36	\$387.00	16.00	
T100-PGE-3-ASBG	Class E Stainless Steel Bar Grate, 1/2 meter Class E Stainless Steel Anti Slip Bar Grate, 1 meter		19.69" (500) 39.37" (1000)	\$795.40 \$1,443.20	\$485.00 \$440.00	8.50 18.00	
	Class E Stainless Steel Anti Slip Bar Grate, 1/2 meter		19.69" (500) ′	\$885.60	\$540.00	8.50	
T100-PGE-4 T100-PGE-4-13	Class E Ductile Iron Slotted Grate, 1/2 meter Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500) 19.69" (500)	\$75.77 \$96.43	\$46.20 \$58.80	8.36 8.36	
			(000)	ŢJ0.70	Ţ00.00	3.00	
T100-PGE-4-HP	Class E Ductile Iron, Heelproof Slotted Grate, 1/2 meter	~	19.69" (500)	\$134.32	\$81.90	8.36	
T100-PGE-4-ADA	Class F Ductile Iron Longitudinal Crots 1/2 motor		10 60" (500)	\$424.22	¢94.00	10.70	
	Class E Ductile Iron, Longitudinal Grate, 1/2 meter Class E Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter	j N	19.69" (500) 19.69" (500)	\$134.32 \$201.47	\$81.90 \$122.85	10.70 10.70	
LOAD CLASS E.G	RATES - EN 1433 - 202,320 lbs., 900 K	n. 4 J	77 P.S.L.				
	ass F Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$95.00	\$57.93	9.50	mmanno
	ass F Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$118.75	\$72.41	9.50	
	ass F Ductile Iron, Longitudinal Grate, 1/2 meter	•	19.69" (500)	\$125.00	\$76.22	12.00	
T100-DGE-4-DY-ADA		~∥فۃا ہ	19.09 (300)		\$10.22 COE 27		
<b>T100-PGF-4-PX-ADA</b> Clare <b>T100-PGF-4-PX-ADA-13</b> Clare	ass F Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter		19.69" (500)	\$156.25	\$95.27	12.00	
T100-PGF-4-PX-ADA Cla T100-PGF-4-PX-ADA-13 Cla	ass F Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter		J 19.69" (500)	\$156.25	\$95.27	12.00	
T100-PGF-4-PX-ADA-13 Cla	sass F Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter		)				compliant grates

Visit www.mifab.com for the most recent product information.





### **T1700 SYSTEM COMPONENTS AND FEATURES**



- A. Innovative CLIPFIX grate locking mechanism. Grates made of ductile iron, galvanized and stainless steel.
- B. MEA polymer concrete channels with galvanized and stainless steel edge rails (4mm thick) and ductile iron edge rails (7mm thick) as per EN 1433.
- C. High strength of the drainage channel body enables Load Class A 15kN to Load Class F 900kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Combination end cap / 4", 6" or 8" end outlet for either end of the channels for all depths.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete encasement.
- G. Catch basins are adaptable to all channel depths.





ADA grates are designed to have open slots no greater than 0.5 inches (13mm) wide in one direction. If the length of the slot is greater than 0.5 inches, the opening shall run perpendicular to the main direction.



Heelproof grates are designed to resist entry of pointed high heel shoes from entering the trench drain grate opening. ASME Standard A112.6.3, Section 7.12 defines Heelproof as: "A grate designed to resist entry of high-heeled shoes, in which the maximum grate hole size in least dimension shall be 5/16" (8mm) (0.31").





# T1760 - 8" INTERNAL WIDTH - SHALLOW CHANNELS



Go to www.mifab.com for cross section details and specification sheets.

T1760N-PB-13-B04 - Shallow Channel with integral 4" outlet



T1700-CB820 Catch Basin

GALVANIZED STEEL RAILS	INTEGRAL	STAINLESS STEEL RAILS	BODY TYPE				RALL DEPTH	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)	
Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Neutral - 0%	Min.	Max.	Min.	Max.	GPM	Lbs.
T1760N-PB-13	\$315.00	T1760N-PB-3	\$551.00	Neutral	2.37"	2.37"	3.94"	3.94"	240	43.85
<b>T1760N-PB-13-500</b> (1/2 Meter long)	\$221.00	<b>T1760N-PB-3-500</b> (1/2 Meter long)	\$389.00	Neutral	2.37"	2.37"	3.94"	3.94"	240	22.05
T1760N-PB-13-BO4	\$315.00	T1760N-PB-3-B04	\$551.00	Neutral	2.37"	2.37"	3.94"	3.94"	240	41.45

# **CATCH BASINS FORTI700 AND T1760 CHANNELS**

GALVANIZED STEEL II	NTEGRAL	STAINLESS STEEL IN	NTEGRAL	DUCTILE IRON INT	TEGRAL	BODY TYPE	INV		OVE	RALL	WEIGHT (LESS GRATE)
Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Neutral - 0%	Min.	Max.	Min.	Max.	Lbs.
T1700-CB820-13-SO6	\$609.00	T1700-CB820-3-S06	\$651.00	T1700-CB820-4-S06	\$567.00	Neutral	29.50"	29.50"	30.30"	30.30"	82.75
T1700-CB820-13-S08	\$609.00	T1700-CB820-3-S08	\$651.00	T1700-CB820-4-S08	\$567.00	Neutral	29.50"	29.50"	30.30"	30.30"	82.75
T1700-CB820-EXT	\$275.75	Optional extension piece to	o install betw	veen base and top assembly	for deeper i	nverts.	-	-	14.75"	14.75"	48.50
T1700-CB820-SB	\$177.50	Replacement sediment bu	eplacement sediment bucket								

NOTE: The T1700-CB820 catch basin includes the base, top assembly and sediment bucket.



MI-FLEX-400, 600, 800



T1700-PBDS



**T1700-PEO**End Cap / Outlet - 4", 6" or 8"



T1700-REB
(Installation Device)
Optional Installation Device
(Two required per channel)



T1760-PEC Closed End Cap for T1760N Channels

MODEL #	DESCRIPTION	MATERIAL	LIST PRICE	WEIGHT (Lbs.)
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$18.00	0.50
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$25.00	0.75
MI-FLEX-800	8" Flexible rubber coupling to connect 8" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$33.00	0.75
T1700-PBDS	Bottom Dome Strainer	Stainless Steel	\$58.00	0.20
T1700-PEO	4", 6" or 8" No Hub End inlet / outlet and combination front / end cap	Plastic	\$89.75	0.44
T1700-REB	Installation Device (See page 26) (Two required per channel)	Galvanized Steel	\$20.00, each piece	0.22
T1760-PEC-13	Closed End Cap for T1760N-13 channels	Galvanized Steel	\$82.75	0.30
T1760-PEC-3	Closed End Cap for T1760N-3 channels	Stainless Steel	\$106.50	0.30

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Visit www.mifab.com for the most recent product information. Design and dimensions are subject to modification. Prices do not include applicable taxes.





#### T1700-PB-13 -Channel Body



Go to www.mifab.com for cross section details and specification sheets.

GALVANIZED STI RAIL		STAINLESS STI RAI		BODY TYPE	INV BO DEF	DY	OVEI BO DEI	DY	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Sloped5% Neutral - 0%	Min.	Max.	Min.	Max.	GPM	Lbs.
T1700N-PB-13	\$336.00	T1700N-PB-3	\$588.00	Neutral	7.29"	7.29"	9.06"	9.06"	473	63.21
T1700N-PB-13-B06	\$336.00 (with 6" bottom outlet)	T1700N-PB-3-B06	\$588.00 (with 6" bottom outlet)	Neutral	7.29"	7.29"	9.06"	9.06"	473	63.21
T1700N-PB-13-500	\$236.25 (half meter long channel)	T1700N-PB-3-500	<b>\$415.00</b> (half meter long channel)	Neutral	7.29"	7.29"	9.06"	9.06"	473	32.36
T1701-PB-13	\$336.00	T1701-PB-3	\$588.00	Sloped	7.29"	7.49"	9.06"	9.26"	498	63.34
T1702-PB-13	\$336.00	T1702-PB-3	\$588.00	Sloped	7.49"	7.68"	9.26"	9.45"	521	64.04
T1703-PB-13	\$336.00	T1703-PB-3	\$588.00	Sloped	7.68"	7.88"	9.45"	9.65"	545	64.74
T1704-PB-13	\$336.00	T1704-PB-3	\$588.00	Sloped	7.88"	8.08"	9.65"	9.85"	571	65.44
T1705-PB-13	\$336.00	T1705-PB-3	\$588.00	Sloped	8.08"	8.27"	9.85"	10.04"	596	66.13
T1706-PB-13	\$336.00	T1706-PB-3	\$588.00	Sloped	8.27"	8.47"	10.04"	10.24"	621	66.83
T1707-PB-13	\$336.00	T1707-PB-3	\$588.00	Sloped	8.47"	8.67"	10.24"	10.44"	648	67.53
T1708-PB-13	\$336.00	T1708-PB-3	\$588.00	Sloped	8.67"	8.86"	10.44"	10.63"	675	68.23
T1709-PB-13	\$336.00	T1709-PB-3	\$588.00	Sloped	8.86"	9.06"	10.63"	10.83"	704	68.93
T1710-PB-13	\$336.00 \$336.00	T1710-PB-3	\$588.00 \$588.00	Sloped	9.06"	9.26"		11.03"	732 732	70.33 70.33
	(with 6" bottom outlet)	T1710-PB-3-B06	(with 6" bottom outlet)	Sloped	9.06	9.20	10.63	11.03		70.33
T1710N-PB-13	\$336.00	T1710N-PB-3	\$588.00	Neutral	9.26"	9.26"	11.03"	11.03"	732	70.77
T1710N-PB-13-B06	\$336.00 (with 6" bottom outlet)	T1710N-PB-3-B06	<b>\$588.00</b> (with 6" bottom outlet)	Neutral	9.26"	9.26"	11.03"	11.03"	732	71.87
T1710N-PB-13-500	\$236.25 (half meter long channel)	T1710N-PB-3-500	\$415.00 (half meter long channel)	Neutral	9.26"	9.26"		11.03"	732	35.94
T1711-PB-13	\$336.00	T1711-PB-3	\$588.00	Sloped	9.26"	9.45"	11.03"		777	71.03
T1712-PB-13	\$336.00	T1712-PB-3	\$588.00	Sloped	9.45"	9.65"	11.23"	11.42"	807	71.73
T1713-PB-13	\$336.00	T1713-PB-3	\$588.00	Sloped	9.65"	9.85"	11.42"	11.62"	837	72.42
T1714-PB-13	\$336.00	T1714-PB-3	\$588.00	Sloped	9.85"	10.04"	11.62"		869	73.12
T1715-PB-13	\$336.00	T1715-PB-3	\$588.00	Sloped	10.04"		11.82"		902	73.82
T1716-PB-13	\$336.00	T1716-PB-3	\$588.00	Sloped	10.24"	10.44"	12.01"	12.21"	935	74.52
T1717-PB-13	\$336.00	T1717-PB-3	\$588.00	Sloped	10.44"		12.21"		968	75.22
T1718-PB-13	\$336.00	T1718-PB-3	\$588.00	Sloped	10.63"		12.41"		1003	75.92
T1719-PB-13	\$336.00	T1719-PB-3	\$588.00	Sloped	10.83"		12.60"		1038	76.62
T1720-PB-13	\$336.00	T1720-PB-3	\$588.00	Sloped	11.03"	11.23"	12.80"	13.00"	1105	77.32
T1720-PB-13-B06	\$336.00 (with 6" bottom outlet)	T1720-PB-3-B06	\$588.00 (with 6" bottom outlet)	Sloped	11.03"	11.23"	12.80"	13.00"	1105	77.32
T1720N-PB-13	\$336.00	T1720N-PB-3	\$588.00	Neutral	11.23"	11.23"	13.00"	13.00"	1105	79.87
T1720N-PB-13-B06	\$336.00 (with 6" bottom outlet)	T1720N-PB-3-B06	\$588.00 (with 6" bottom outlet)	Neutral	11.23"	11.23"	13.00"	13.00"	1105	79.81
T1720N-PB-13-500	\$236.25 (half meter long channel)	T1720N-PB-3-500	\$415.00 (half meter long channel)	Neutral	11.23"	11.23"	13.00"	13.00"	1105	36.38
Channel with		T1700N-PB-4	\$394.00	Neutral	7.29"	7.29"	9.06"	9.06"	473	63.21
Ductile Iron Integral Rails		T1710N-PB-4 (with D.I. Rails)	\$394.00	Neutral	9.26"	9.26"	11.03"	11.03"	732	70.77



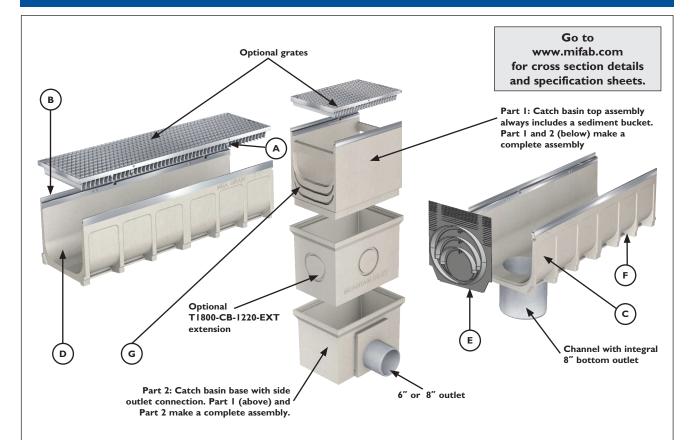


#### LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I Description **List Price** Weight (MM) Price (Per Foot) (Lbs.) T200-PGA-13-GM Class A Galvanized Mesh Grate, 1 meter 39.37" (1000) \$324.45 \$98.92 13.13 T200-PGA-13-GM-500 Class A Galvanized Mesh Grate, 1/2 meter 19.69" (500) \$224.35 \$136.80 6.82 رنتم T200-PGA-3-SM Class A Stainless Steel Mesh Grate, 1 meter 39.37" (1000) \$1.856.30 \$565.95 13.13 19.69" (500) T200-PGA-3-SM-500 Class A Stainless Steel Mesh Grate, 1/2 meter \$1,104,15 \$673.26 6.82 LOAD CLASS B GRATES - EN 1433 - 28,100 LBS., 125kN, 580 P.S.I. T200-PGB-13-LS Class B Galvanized Longitudinal Grate, 1 meter 39.37" (1000) \$365.72 \$111.50 16.02 19.69" (500) T200-PGB-13-LS-500 Class B Galvanized Longitudinal Grate, 1/2 meter \$237.86 \$145.04 8.38 رنج 39.37" (1000) T200-PGB-3-LS Class B Stainless Longitudinal Grate, 1 meter \$1.856.30 \$565.95 16.32 T200-PGB-3-LS-500 19.69" (500) \$1.104.15 Class B Stainless Longitudinal Grate, 1/2 meter \$673.26 8 31 LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 1,160 P.S.I. T200-PGC-13-FP Class C Galvanized Perforated Grate, 1 meter 39.37" (1000) \$995.30 \$303.45 24.33 19.69" (500) 39.37" (1000) T200-PGC-13-FP-500 Class C Galvanized Perforated Grate, 1/2 meter \$700.10 \$426.89 11 66 رنج T200-PGC-3-FP Class C Stainless Steel Perforated Grate, 1 meter \$1,728.85 \$527.09 24 33 T200-PGC-3-FP-500 19.69" (500) Class C Stainless Steel Perforated Grate, 1/2 meter \$1,210.55 \$738.14 11.66 T200-PGC-13-GM Class C Galvanized Mesh Grate, 1 meter 39.37" (1000) \$692.05 \$211.00 24 33 T200-PGC-13-GM-500 Class C Galvanized Mesh Grate, 1/2 meter 19.69" (500) \$422.00 \$257.32 11.66 رنج 39.37" (1000) T200-PGC-3-SM Class C Stainless Steel Mesh Grate, 1 meter \$2,282,20 \$695.79 24 33 19.69" (500) T200-PGC-3-SM-500 Class C Stainless Steel Mesh Grate, 1/2 meter \$1,470.75 \$896.80 11.66 T200-PGC-3-SBG Class C Stainless Steel Bar Grate, 1 meter 39.37" (1000) \$2,069.85 \$631.05 26.25 T200-PGC-3-SBG-500 Class C Stainless Steel Bar Grate, 1/2 meter 19.69" (500) \$1,448.65 \$883.32 14.50 Avail. T200-PGC-3-ASBG Class C Stainless Steel Anti Slip Bar Grate, 1 meter 39.37" (1000) \$2,296.00 \$700.00 26.25 June/22 \$1,435.00 T200-PGC-3-ASBG-500 Class C Stainless Steel Anti Slip Bar Grate, 1/2 meter 19.69" (500) \$875.00 14.50 T200-PGC-13-SD Class C Galvanized Paverslot Grate, 1 meter 39.37" (1000) \$504.35 \$153.77 47.08 T200-PGC-13-SD-500 Class C Galvanized Paverslot Grate, 1/2 meter 19.69" (500) \$394.70 \$240.67 23.54 رنبر T200-PGC-13-MU-500 Class C Galvanized Maintenance Unit Paverslot, 1/2 meter 19.69" (500) \$806.60 \$491.83 43.78 Class C Stainless Steel Paverslot Grate, 1 meter T200-PGC-3-SD 39.37" (1000) \$1.035.75 \$315.78 47.08 T200-PGC-3-SD-500 Class C Stainless Steel Paverslot Grate. 1/2 meter 19.69" (500) \$742.80 \$452.93 23.54 رنتم T200-PGC-3-MU-500 Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter 19.69" (500) \$1,252.45 \$763.69 43.78 T200-PGC-4 Class C Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$108.50 \$66.16 13.79 T200-PGC-4-HP Class C Ductile Iron, Heelproof Slotted Grate, 1/2 meter 19.69" (500) \$215.25 \$131.25 13.79 T200-PGC-4-WVY Class C Ductile Iron, WAVE Grate, 1/2 meter 19.69" (500) \$215.25 \$131.25 13.86 T200-PGC-4-BG Class C Ductile Iron, Bayaria Grate, 1/2 meter 19.69" (500) \$215.25 \$131.25 13.64 LOAD CLASS E GRATES - EN 1433 - 134.800 LBS., 600kN, 2.785 P.S.I. T200-PGE-3-SBG Class E Stainless Steel Bar Grate, 1 meter 39.37" (1000) \$2,296.00 \$700.00 29.00 T200-PGE-3-SBG-500 Class E Stainless Steel Bar Grate, 1/2 meter 19.69" (500) \$1.607.20 \$980.00 15 50 39.37" (1000) T200-PGE-3-ASBG Class E Stainless Steel Anti Slip Bar Grate, 1 meter \$2,542.00 \$775.00 29.00 T200-PGE-3-ASBG-500 Class E Stainless Steel Anti Slip Bar Grate, 1/2 meter 19.69" (500) \$1.599.00 \$975.00 15 50 T200-PGE-4 Class E Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$186.00 \$113.41 19.25 T200-PGE-4-13 Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$268.65 \$163.81 19.25 T200-PGE-4-HP Class E Ductile Iron, Heelproof Slotted Grate, 1/2 meter 19.69" (500) \$268.65 \$163.81 13.79 T200-PGE-4-ADA \$268.65 \$163.81 Class E Ductile Iron, Longitudinal Grate, 1/2 meter 19.69" (500) 21.25 Class E Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter T200-PGE-4-ADA-13 21.25 19.69" (500) \$449.45 \$274.05 LOAD CLASS F GRATES - EN 1433 - 202,320 lbs., 900 Kn, 4,177 P.S.I. T200-PGF-4-PX Class F Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$210.00 \$128.05 22.00 T200-PGF-4-PX-13 Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$262.50 \$160.06 22.00 19.69" (500) \$240.00 \$146.34 24.00 T200-PGF-4-PX-ADA Class F Ductile Iron, Longitudinal Grate, 1/2 meter رنتم T200-PGF-4-PX-ADA-13 Class F Galvanized Ductile Iron, Longitudinal Grate, 1/2 meter 19.69" (500) \$300.00 \$182.93 24.00





### T1800 SYSTEM COMPONENTS AND FEATURES



- A. Innovative CLIPFIX grate locking mechanism. Grates made of ductile iron, galvanized and stainless steel.
- B. MEA polymer concrete channels with galvanized and stainless steel edge rails (4mm thick) and ductile iron edge rails (7mm thick) as per EN 1433.
- C. High strength of the drainage channel body enables Load Class A 15kN to Load Class F 900kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Combination end cap / 6", 8" or 10" end outlet for either end of the channels for all depths.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete encasement.
- G. Catch basins are adaptable to all channel depths.





ADA grates are designed to have open slots no greater than 0.5 inches (13mm) wide in one direction. If the length of the slot is greater than 0.5 inches, the opening shall run perpendicular to the main direction.



Heelproof grates are designed to resist entry of pointed high heel shoes from entering the trench drain grate opening. ASME Standard A112.6.3, Section 7.12 defines Heelproof as: "A grate designed to resist entry of high-heeled shoes, in which the maximum grate hole size in least dimension shall be 5/16" (8mm) (0.31").



# **CATCH BASINS FORT1800 CHANNELS**



Go to www.mifab.com for cross section details and specification sheets.

GALVANIZED STEEL INTEGRAL RAILS		STAINLESS STEEL IN	NTEGRAL	DUCTILE IRON INTEGRAL RAILS		INVERT DEPTH		OVERALL DEPTH		WEIGHT (LESS GRATE)
Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Min.	Max.	Min.	Max.	Lbs.
T1800-CB1220-13-SO6	\$814.00	T1800-CB1220-3-S06	\$845.25	T1800-CB1220-4-S06	\$771.75	28.85"	28.85"	29.50"	29.50"	116.00
T1800-CB1220-13-SO8	\$814.00	T1800-CB1220-3-SO8	T1800-CB1220-3-S08 \$845.25 T1800-CB1220-4-S08 \$771.75		28.85"	28.85"	29.50"	29.50"	116.00	
T1800-CB1220-EXT	\$324.50	Optional extension piece to install between base & top assembly for deeper inverts.			eper inverts.	-	-	14.75"	14.75"	48.50
T1800-CB1220-SB	\$212.75	Replacement sediment bu	Replacement sediment bucket.							

NOTE: The T1800-CB1220 catch basin includes the base, top assembly and sediment bucket.



MI-FLEX-600, 800, 1000



T1800-PBDS



T1800-PEO
Plastic End Cap / Outlet - 6", 8" or 10"



T1800-REB (Installation Device)

Optional Installation Device (Two required per channel)

MODEL #	DESCRIPTION	MATERIAL	LIST PRICE	WEIGHT (Lbs.)
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$25.00	0.75
MI-FLEX-800	8" Flexible rubber coupling to connect 8" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$33.00	0.75
MI-FLEX-1000	10" Flexible rubber coupling to connect 10" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$59.00	1.00
T1800-PBDS	Bottom Dome Strainer	Stainless Steel	\$71.00	0.20
T1800-PEO	6", 8" or 10" No Hub End inlet / outlet and combination front / End Cap	Plastic	\$136.00	3.80
T1800-REB	Installation Device (See page 26) (Two required per channel)	Galvanized Steel	\$22.00, each piece	7.50

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Visit www.mifab.com for the most recent product information. Design and dimensions are subject to modification. Prices do not include applicable taxes.





# T1800-PB-13 - Channel Body



Go to www.mifab.com for cross section details and specification sheets.

GALVANIZED ST RAII		STAINLESS STE		BODY TYPE	INVERT BODY DEPTH	OVERALL BODY DEPTH	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each, Add (1 Meter long)	Channel Model #	List Price, Each, Add (1 Meter long)	Sloped5% Neutral - 0%	E1 E2 (Min.) (Max.)	E1 E2 (Min.) (Max.)	GPM	Lbs.
T1800N-PB-13	\$572.25	T1800N-PB-3	\$761.25	Neutral	10.04" 10.04"	11.82" 11.82"	633	76.28
T1800N-PB-13-B08	<b>\$572.25</b> (with 8" bottom outlet)	T1800N-PB-3-B08	<b>\$761.25</b> (with 8" bottom outlet)	Neutral	10.04" 10.04"	11.82" 11.82"	633	76.28
T1800N-PB-13-500	<b>\$404.25</b> (half meter long channel)	T1800N-PB-3-500	<b>\$535.50</b> (half meter long channel)	Neutral	10.04" 10.04"	11.82" 11.82"	633	38.14
T1801-PB-13	\$572.25	T1801-PB-3	\$761.25	Sloped	10.04" 10.24"	11.82" 12.01"	688	82.19
T1802-PB-13	\$572.25	T1802-PB-3	\$761.25	Sloped	10.24" 10.44"	12.01" 12.21"	721	82.73
T1803-PB-13	\$572.25	T1803-PB-3	\$761.25	Sloped	10.44" 10.63"	12.21" 12.41"	756	83.26
T1804-PB-13	\$572.25	T1804-PB-3	\$761.25	Sloped	10.63" 10.83"	12.41" 12.60"	793	83.80
T1805-PB-13	\$572.25	T1805-PB-3	\$761.25	Sloped	10.83" 11.03"	12.60" 12.80"	829	84.34
T1806-PB-13	\$572.25	T1806-PB-3	\$761.25	Sloped	11.03" 11.23"	12.80" 13.00"	867	84.88
T1807-PB-13	\$572.25	T1807-PB-3	\$761.25	Sloped	11.23" 11.42"	13.00" 13.19"	905	85.42
T1808-PB-13	\$572.25	T1808-PB-3	\$761.25	Sloped	11.42" 11.62"	13.19" 13.39"	945	85.95
T1809-PB-13	\$572.25	T1809-PB-3	\$761.25	Sloped	11.62" 11.82"	13.39" 13.59"	986	86.49
T1810-PB-13	\$572.25	T1810-PB-3	\$761.25	Sloped	11.82" 12.01"	13.59" 13.78"	1048	87.03
T1810-PB-13-BO8	<b>\$572.25</b> (with 8" bottom outlet)	T1810-PB-3-B08	<b>\$761.25</b> (with 8" bottom outlet)	Sloped	11.82" 12.01"	13.59" 13.78"	1048	87.03
T1810N-PB-13	\$572.25	T1810N-PB-3	\$761.25	Neutral	12.01" 12.01"	13.78" 13.78"	1048	85.16
T1810N-PB-13-B08	<b>\$572.25</b> (with 8" bottom outlet)	T1810N-PB-3-B08	<b>\$761.25</b> (with 8" bottom outlet)	Neutral	12.01" 12.01"	13.78" 13.78"	1048	85.16
T1810N-PB-13-500	<b>\$404.25</b> (half meter long channel)	T1810N-PB-3-500	<b>\$535.50</b> (half meter long channel)	Neutral	12.01" 12.01"	13.78" 13.78"	1048	49.23
T1811-PB-13	\$572.25	T1811-PB-3	\$761.25	Sloped	12.01" 12.21"	13.78" 13.98"	1091	90.63
T1812-PB-13	\$572.25	T1812-PB-3	\$761.25	Sloped	12.21" 12.41"	13.98" 14.18"	1135	91.17
T1813-PB-13	\$572.25	T1813-PB-3	\$761.25	Sloped	12.41" 12.60"	14.18" 14.38"	1179	91.71
T1814-PB-13	\$572.25	T1814-PB-3	\$761.25	Sloped	12.60" 12.80"	14.38" 14.57"	1225	92.25
T1815-PB-13	\$572.25	T1815-PB-3	\$761.25	Sloped	12.80" 13.00"	14.57" 14.77"	1273	92.78
T1816-PB-13	\$572.25	T1816-PB-3	\$761.25	Sloped	13.00" 13.19"	14.77" 14.97"	1320	93.32
T1817-PB-13	\$572.25	T1817-PB-3	\$761.25	Sloped	13.19" 13.39"	14.97" 15.16"	1371	93.86
T1818-PB-13	\$572.25	T1818-PB-3	\$761.25	Sloped	13.39" 13.59"	15.16" 15.36"	1422	94.40
T1819-PB-13	\$572.25	T1819-PB-3	\$761.25	Sloped	13.59" 13.78"	15.36" 15.56"	1472	94.94
T1820-PB-13	\$572.25	T1820-PB-3	\$761.25	Sloped	13.78" 13.98"	15.56" 15.75"	1566	95.47
T1820-PB-13-BO8	<b>\$572.25</b> (with 8" bottom outlet)	T1820-PB-3-B08	<b>\$761.25</b> (with 8" bottom outlet)	Sloped	13.78" 13.98"	15.56" 15.75"	1566	95.47
T1820N-PB-13	\$572.25	T1820N-PB-3	\$761.25	Neutral	13.98" 13.98"	15.75" 15.75"	1566	91.60
T1820N-PB-13-B08	<b>\$572.25</b> (with 8" bottom outlet)	T1820N-PB-3-B08	<b>\$761.25</b> (with 8" bottom outlet)	Neutral	13.98" 13.98"	15.75" 15.75"	1566	91.60
T1820N-PB-13-500	\$404.25 (half meter long channel)	T1820N-PB-3-500	\$535.50 (half meter long channel)	Neutral	13.98" 13.98"	15.75" 15.75"	1566	52.78
Channel with Ductile Iron integral rails		<b>T1800N-PB-4</b> (with D.I. rails)	\$598.50	Neutral	10.04" 10.04"	11.82" 11.82"	633	76.28





#### **GRATES FORT 1800 - 12" INTERNAL WIDTH CHANNELS**

	C GRATES - EN 1433 - 56,200 LBS.,	250KIN, 96/ P.	5.I.			
Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight (Lbs.)	
T300-PGC-13-GM T300-PGC-13-GM-500 T300-PGC-3-SM T300-PGC-3-SM-500	Class C Galvanized Mesh Grate, 1 meter Class C Galvanized Mesh Grate, 1/2 meter Class C Stainless Steel Mesh Grate, 1 meter Class C Stainless Steel Mesh Grate, 1/2 meter	39.37" (1000) 19.69" (500) 39.37" (1000) 19.69" (500)	\$1,395.20 \$669.50 \$2,949.20 \$2,326.30	\$425.37 \$408.23 \$899.15 \$1,418.48	68.53 36.82 68.53 36.82	
T300-PGC-3-SBG T300-PGC-3-SBG-500 T300-PGC-3-ASBG T300-PGC-3-ASBG-500		39.37" (1000) 19.69" (500) 39.37" (1000) 19.69" (500)	\$2,538.25 \$1,628.50 \$2,706.00 \$1,681.00	\$773.86 \$992.99 \$825.00 \$1,025.00	62.25 34.00 62.25 34.00	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$136.00	\$82.93	29.23	
T300-PGC-4-HP	Class C Ductile Iron, Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$223.85	\$136.49	29.23	
T300-PGC-4-WVY	Class C Ductile Iron, WAVE Grate, 1/2 meter	19.69" (500)	\$412.85	\$251.74	34.10	

LOAD CLASS	E GRATES - EN 1433 - 134,800 LBS.	, 600	kN, 2,321	P.S.I.			
T300-PGE-3-SBG T300-PGE-3-SBG-500 T300-PGE-3-ASBG T300-PGE-3-ASBG-500	Class E Stainless Steel Bar Grate, 1 meter Class E Stainless Steel Bar Grate, 1/2 meter Class E Stainless Steel Anti Slip Bar Grate, 1 meter Class E Stainless Steel Anti Slip Bar Grate, 1/2 meter		39.37" (1000) 19.69" (500) 39.37" (1000) 19.69" (500)	\$2,755.20 \$1,722.00 \$2,952.00 \$1,845.00	\$840.00 \$1,050.00 \$900.00 \$1,125.00	70.00 37.50 70.00 37.50	
T300-PGE-4 T300-PGE-4-13	Class E Ductile Iron Slotted Grate, 1/2 meter Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500) 19.69" (500)	\$452.00 \$542.50	\$275.61 \$330.79	42.02 42.02	
T300-PGE-4-HP	Class E Ductile Iron, Heelproof Slotted Grate, 1/2 meter		19.69" (500)	\$452.00	\$275.61	42.02	
T300-PGE-4-ADA T300-PGE-4-ADA-13	Class E Ductile Iron, Longitudinal Slotted Grate, 1/2 meter Class E Galvanized Ductile Iron, Longitudinal Slotted Grate, 1/2 meter	خ	19.69" (500) 19.69" (500)	\$452.00 \$542.50	\$275.61 \$330.79	63.80 63.80	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter	į	19.69" (500)	\$372.50	\$227.13	66.00	

#### LOAD CLASS F GRATES - EN 1433 - 202,320 lbs., 900 Kn, 4,177 P.S.I.

T300-PGF-4-PX Class F Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) **\$310.00 \$189.02** 48.23 T300-PGF-4-PX-13 Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter 19.69" (500) \$387.50 \$236.28



See page 10 for explanation of ADA compliant grates



See page 10 for explanation of Heelproof compliant grates





# NEUTRAL TRENCH DRAIN FLOW RATES VS. SLOPED TRENCH DRAIN FLOW RATES

Note: See page 23 for the technical explanation.

It has been the custom in the United States and Canada to specify trench drain systems that have sloped bodies. The reasoning is that sloped trench drains will provide a greater flow of water due to the sloped sections. Like many things in today's world, this custom has been accepted as the common practice. In contrast, for decades, engineers in Europe specify neutral trench drain systems as their standard design. This is because neutral trench drain systems perform comparably to sloped trench drain systems.

# The advantages for the engineer, building owner, contractor and wholesaler to use neutral trench drain systems are:

- 1. Faster delivery to the jobsite as fewer individual depths of trench drain bodies are needed.
- 2. Easier to install the channels when they are all neutrals.
- 3. Faster installation preparation because one depth trench drain body does not require complicated site organization.
- 4. Faster installation due to same height of the trench drain body. Often, sloped trench drain bodies are mixed on a pallet requiring time to sort and identify them. This is not the case with neutral depth bodies.
- 5. Increased flexibility, because the contractor can easily increase the number of neutral trench drain bodies in order to extend the length of the run or if replacement channels are required. This is more difficult with sloped trench drain bodies.

The flow rate of a trench drain is affected by three main factors: invert depth of the bodies, internal width of the bodies and length of the run. Trench drain bodies with a greater depth (assuming the width is the same) have more volume capacity and therefore a greater flow rate because the head pressure is greater when the water height is higher. Trench drain bodies that are wider than others have more volume capacity (assuming that the height of the water is the same) and as a result, a higher flow rate.

A typical sloped trench drain system (see Figures I-A and I-B in the adjacent page) starts off with a shallow sloped body section and ends with a deeper sloped body section. This means that the body depth is not consistent and the volume capacity of the sloped system is less than the volume capacity of a neutral system that has the same body depth throughout the run. (see Figures 2-A and 2-B in the adjacent page).

Figures I-A and I-B illustrate a typical sloped trench drain system with flow rates of 98.27 GPM in the 30 foot run and I42.60 GPM in the 60 foot run. Figures 2-A and 2-B illustrate the MIFAB® - MEATI520N neutral trench drain system with flow rates of 99.20 GPM in the 30 foot run and I49.80 GPM in the 60 foot run. Note that the ending body height in a typical sloped 30 foot trench drain system (7.68") is the same as all of the body heights in the MIFAB® - MEA system (7.68") and the ending body height in a typical sloped trench drain system (9.65") is the same as all of the body heights in the MIFAB® - MEATI520N system (9.65").

Therefore, take advantage of the easier installation of the MIFAB - MEA neutral trench drain systems instead of the industry standard sloped trench drain systems.

Note, the deeper neutral bodies require extra excavation and concrete surround compared to a sloped channel system.





# FLOW RATE COMPARISON CALCULATION ACCORDING TO MANNING & STRICKLER

#### 4" Internal Width Sloped vs. Neutral Flow Rate Comparison

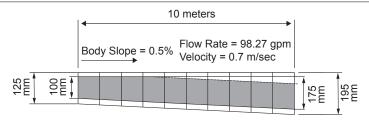
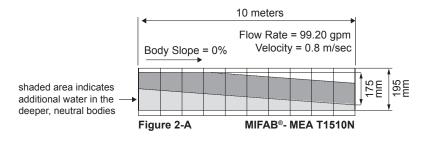


Figure 1-A Typical Sloped Trench Drain from Others



Note, the deeper neutral bodies require extra excavation and concrete surround compared to a sloped channel system.

This line refers to the open water level, which will start lowering after 1/3 of the run towards the outlet.

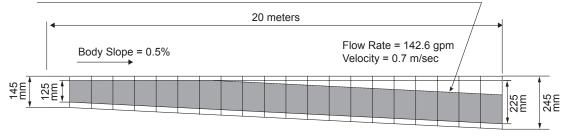
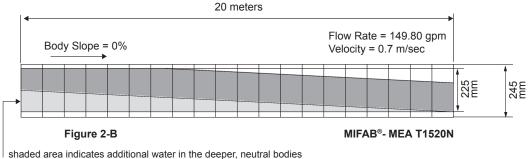


Figure 1-B

**Typical Sloped Trench Drain from Others** 



d area indicates additional water in the deeper, neutral bodies

Note, the deeper neutral bodies require extra excavation and concrete surround compared to a sloped channel system.





#### **ACCESSORIES**





T1500-CB620-SB - 4" internal width



T1700-CB820-SB - 8"



T1800-CB1220-SB - 12" internal width



Grate lifting key T100-KEY
List Price - \$90.00

# ANTI-VANDALISM LOCKING DEVICE FOR ALL GRATES





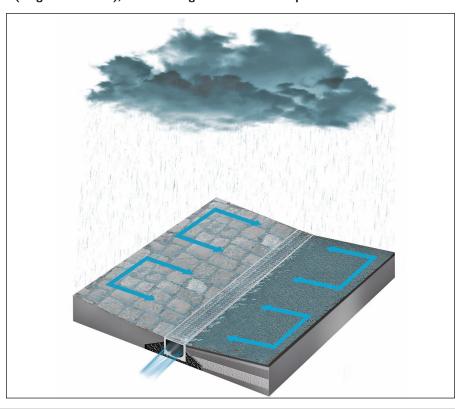
Γ	T100-VP (4" internal width)	\$22.25
Γ	T200-VP (8" internal width)	\$33.50

(Two pieces required per meter)

#### TYPICAL TRENCH DRAIN SIZING CONSIDERATIONS

In order to size a trench drain system (length and width), the following information is required:

- Length of trench drain run (feet or meters)
- Length and width of the surface area draining into the trench drain (feet or meters)
- 3. Surface area type concrete, pavement, asphalt, etc.
- Rainfall intensity (in/hr or mm/ hr) of the area where the trench drain will be installed
- 5. Is any additional water being introduced onto the surface pavement or into the trench (i.e. downspouts from adjacent buildings?)
- 6. Slope of the ground along the trench drain (%)
- 7. Perpendicular approach slopes to the trench drain (%)
- Location of and number of outlets along the trench drain run
- Any trench drain depth restrictions



Please contact MIFAB's Engineering Department at sales@mifab.com for help to design your next trench drain project.





# PROJECT REFERENCES



**BUSINESS PARK** 

Product: T1500 (4") with Load Class B Stainless Steel Paverslot Grates



**PARKING GARAGE** 

Product: T1700 (8") with Load Class C Galvanized Mesh Grates



**OFFICE PLAZA** 

Product: T1500 (4") with Load Class C Stainless Steel Slotted Grates



**PARKING LOT** 

Product: T1700 (8") with Load Class C Galvanized Mesh Grates



**AIRPORT** 

Product: T1800 (12") with Load Class F Ductile Iron Slotted Grates



**SHOPPING PLAZA** 

Product: T1700 (8") with Load Class B Stainless Steel Longitudinal Grates



**PROMENADE AREA** 

Product: T1700 with (8") Load Class E Stainless Steel Paverslot Grates



**GARAGE DRAINAGE** 

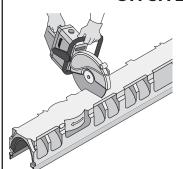
Product: T1500 (4") with Load Class C Ductile Iron Slotted Heelproof Grates





#### **INSTALLATION GUIDELINES**

#### ON-SITE FABRICATIONS



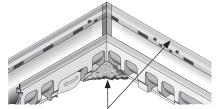
When cutting channels and/or grates, gloves, protective eye wear and respirator or mask should be worn.

Cutting channels is required to form miters, T-junctions and non-standard lengths. Most fabrications should be completed on site.

Channels can be cut with a masonry or diamond blade. Grates should be cut with a suitable metal cutting blade.

An appropriate adhesive should be used to bond cut surfaces together.

Apply adhesive to a cut end and place the next successive channel against the adhesive and allow to dry. Sealants are not intended to bond products together. Adhesives are intended for that.



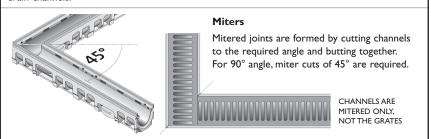
USE INSTALLATION DEVICES OR ALTERNATIVELY,
USE A CONCRETE PATTY TO SUPPORT THE MITERED
CHANNEL DURING THE FINAL POUR

If corrosive liquids are conveyed in the trench, the joints should be properly sealed.

MIFAB recommends the use of a one component polyurethane product as a "sealant" between the channels if required by the engineer. It has expansive and contracting characteristics and is utilized in environments where those characteristics are desirable.

SikaFlex 1A and Sonneborn NP-1 are two acceptable sealant materials although there are other manufacturers of polyurethane sealant products that would also be accepted.

Do not use silicone and / or an adhesive (thin set glue) as a sealant with the MIFAB trench drain channels.



# INSTALLATION DEVICE INSTALLATION INSTRUCTIONS

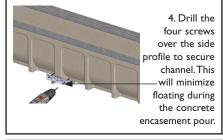
I. Install (Hammer) the rebar / all thread into the excavation where the trench is to be laid.



as shown. Go back and set them all to the correct height taking finish floor elevations into consideration.



3.The installation devices will support the channel and two are required per meter section.

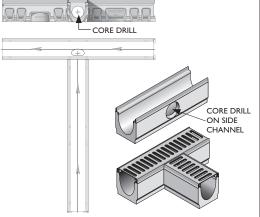


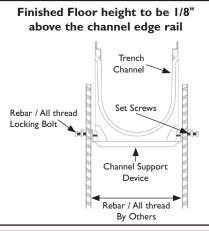
# **T-JUNCTIONS**

T-junctions are formed when an opening is cut into the side of one channel and another channel is butted up to this opening.

On full meter channel, mark the area in the channel wall to be removed by butting the channels together and by marking the interior profile of the channel.

The edge rail should be left intact to provide additional strength and seating for grate.







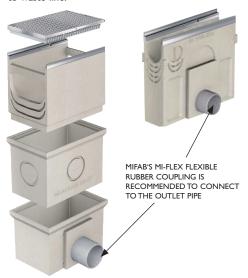


### **INSTALLATION GUIDELINES**

#### CATCH BASIN CONNECTIONS

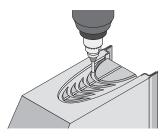
#### NOTE: THE 8" AND 12" CATCH BASINS REQUIRE AN 8" PIPE ADAPTER IF CAST IRON SOIL PIPE OR PVC IS USED.

- I. All catch basins come with a pipe stub
- Use the MIFAB MI-FLEX coupling to connect outlet to waste line.



#### Catch Basin Cut-out

- · Identify and mark the area to be removed
- Use a stitch drill or angle grinder with masonry cutting disc / wheel to cut
  the opening for the required pipe connection. (Bracing may be necessary).



Use a grinder to dress or enlarge corners for proper fitting.

3. Insert the channel into the socket and seal using an appropriate flexible sealant / adhesive.



\* Please ensure installation as per direction of the arrows on outside of channel.

If corrosive liquids are transported in the trench, ensure the flexible sealant is chemically resistant.

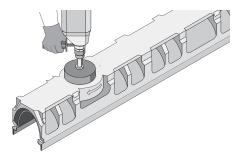
#### **PIPE CONNECTIONS**

# ATTENTION: USE PROTECTIVE GLASSES AND RESPIRATORY PROTECTION WHEN CUTTING AND DRILLING MEA CHANNELS.

#### Removal of cut-out, or cut hole:

- I. Identify and mark the area to be removed.
- Remove the drill-out. Use a stitch drill or hole saw to cut a series of holes for the required pipe connection. (Bracing may be necessary).

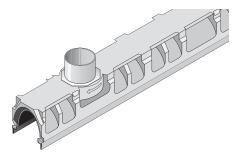
Note: Always start your trench channel installation from the outlet and work upstream.



#### **Core Drill**

Using the correct diamond core drill size, remove the channel/catch basin wall/base to fit the pipe.

- · Turn the channel upside down.
- Make the required penetration by either core drilling or stitch drilling the needed opening.
- A grinder may be used to dress or enlarge the hole for proper pipe insertion.
- The no-hub bottom outlet is then attached to the underside of the channel using the appropriate flexible sealant / adhesive.



When affixing pipe to the bottom of the channel, ensure that appropriate flexible sealant / adhesive is used.

**CAUTION:** DO NOT HAMMER DIRECTLY ON MATERIAL TO MAKE PENETRATION. THIS MAY CAUSE SEVERE CRACKING OF THE MATERIAL.





#### **CHEMICAL RESISTANCE CHART**

These recommendations are for guidance only. They are based upon information compiled from resin plastic manufacturers. Customers are advised to test samples of polymer concrete to ensure suitability. Test samples are available free of charge from MIFAB®.

If MIFAB® standard products are unable to provide adequate chemical resistance, contact MIFAB® I-800-465-2736 for a suitable product solution.

Chemical	Max. conc.	Short time exposure 72 hours	Long time exposure 42 days
Acetic Acid	30%	<b>✓</b>	×
Acetone	10%	<b>✓</b>	×
Ammonia	10%	<b>✓</b>	×
Aniline	100%	<b>✓</b>	X X X
Aniline in Ethyl Alcohol	10%	<b>✓</b>	. •
Benzene	100%	<b>✓</b>	X
Boric Acid	100%	<b>✓</b>	<b>✓</b>
Butyric Acid	25%	<b>✓</b>	✓ ✓ ✓
Butyl Alcohol	100%	<b>✓</b>	<b>✓</b>
Calcium Chloride	100%	<b>✓</b>	<b>✓</b>
Calcium Hydroxide	100%	<b>✓</b>	×
Caster Oil	100%	<b>✓</b>	
Chloric Acid	5%	<b>✓</b>	× -/
Chromic Acid	5%	<b>✓</b>	<b>✓</b>
Citric Acid	100%	<b>✓</b>	<b>✓</b>
Diesel Fuel	100%	<b>✓</b>	<b>✓</b>
Ethanol	100%	<b>✓</b>	×
Ethlendiamine	100%	<b>✓</b>	<b>✓</b>
Ethyl Acetate	100%	<b>✓</b>	×
Ferrous Sulfate	30%	<b>✓</b>	× -/
Fluorallic Acid	10%	<b>✓</b>	<b>✓</b>
Formaldehyde	35%	<b>✓</b>	<b>✓</b>
Formic Acid	10%	<b>✓</b>	×
Fuel Oil	100%	<b>✓</b>	<b>✓</b>
Gasoline	100%	<b>✓</b>	<b>✓</b>
n-Heptane	100%	<b>✓</b>	<b>✓</b>
n-Hexane	100%	<b>✓</b>	\frac{1}{2}
Hydraulic Oil	100%		<b>✓</b>
Hydrochloric Acid	10%	<b>✓</b>	<b>✓</b>

Chemical	Max. conc.	Short time exposure 72 hours	Long time exposure 42 days
Hydrofluoric Acid	5%	<b>✓</b>	×
JP4	100%	<b>✓</b>	<b>✓</b>
JP8	100%	<b>✓</b>	\rightarrow
Lactic Acid	10%	<b>✓</b>	<b>✓</b>
Methanol	5%	×	×
Methyl Amine	100%	<b>✓</b>	×
Methyl Ethyl Ketone	100%	×	×
Mineral Oil SAE5W50	100%	<b>✓</b>	<b>✓</b>
Monochlor Benzene	0.05%	×	× × × ×
Monochloroacetic Acid	10%	<b>✓</b>	<b>✓</b>
Nitric Acid	10%	<b>✓</b>	×
n-Nonane	100%	<b>✓</b>	<b>✓</b>
Iso-Octane	100%	<b>✓</b>	×
Oxalic Acid	100%	/ / / / / X	<b>✓</b>
Phenol	100%	<b>✓</b>	×
Phosphoric Acid	10%	<b>✓</b>	<b>/</b>
Potassium Hydroxide	10%	×	×
Sodium Acetate	100%	<b>✓</b>	×
Sodium Carbonate	20%	<b>✓</b>	<b>/</b>
Sodium Chloride	100%	<b>✓</b>	<b>✓</b>
Sodium Hydroxide	15%	<b>✓</b>	×
Sodium Hypochloric	5%	<b>✓</b>	<b>✓</b>
Sulfuric Acid	40%	<b>✓</b>	
Tetrafluoroborsaure	20%	<b>✓</b>	×
Toluene	100%	~	×
Trichloroethylene	100%	×	×
Triethylamine	100%	~	
Xylene	100%	<b>✓</b>	×
Note: Maximum operating	g temperatur	e of 180°F (82°C	)

**CHEMICAL RESISTANCE:** MMIFAB® Drain channel bodies are highly resistant to chemical attack and, with the appropriate grate, can be used in most environments where everyday acids and dilute alkalis are encountered.

**IMPORTANT CONSIDERATIONS FOR CHEMICAL ENVIRONMENTS:** When reviewing potential applications of trench drains in chemical environments, the following issues should be considered:

- I. Type(s) & mixture of chemical(s).
- 2. Concentration percentages.
- 3. Contact time with trench system.
- 4. Temperatures of chemicals flowing into the trench drain. 180°F (82°C) max.
- 5. Flushing system employed to clear chemicals from the system.
- 6. Cleaning agents should be checked for compatibility with trench materials.
- MIFAB® test samples can be used for final determination of chemical resistance.
- 8. Grate, locking mechanism, edge rail, outlet and sediment bucket materials should be checked for chemical resistance.
- 9. Check sealant for compatibility, if applicable.





### **GRATE LOAD CLASS DEFINITIONS**

There are two main grate definitions in the trench drain industry to help engineers select the appropriate grate: EN1433 / DIN19580 and ANSI A112.21.1M Standards.

	EN1433 / DIN19580  Grates shall be designed to meet the following loading classifications in a static condition.					
<b>†#</b>	Load Class A	Light Duty Grate design load up to or exceeding 3,372 lbs per foot. (15 kN). For pedestrian foot traffic only.				
	Load Class B	Medium Duty Grate design load of at least 28,100 lbs per foot. (125 kN). For light pneumatic tire traffic only. Sidewalks and residential parking.				
	Load Class C	Heavy Duty Grate design load of at least 56,200 lbs per foot. (250 kN). Commercial Applications.				
	Load Class D	Grate design load of at least 89,920 lbs per foot. (400 kN). For pneumatic forklift traffic. Extra Heavy Duty. Roads and Highways. H-20 Load Rated.				
	Load Class E	Grate design load of at least 134,800 lbs per foot. (600 kN).  For Commercial Solid tire traffic patterns, and impacts from steel struts or metal wheels (forklifts). Extreme Heavy Duty.				
	Load Class F	Grate design load of at least 202,320 lbs per foot. (900 kN). For airport traffic.				

	ANSI A112.21.1M  Grates shall be designed to meet the following loading classifications in a static condition.					
<b>in the line</b>	Light Duty	All grates having safe live load (as calculated in paragraph 6.1.6 of the ANSI Standard) under 2,000 lbs. (900 kg.) For pedestrian foot traffic only.				
	Medium Duty	All grates having safe live load (as calculated in paragraph 6.1.6 of the ANSI Standard) between 2,000 lbs. (900 kg.) and 4,999 lbs. (2,250 kg.) For light pneumatic tire traffic only. Sidewalks and residential parking.				
	Heavy Duty	All grates having safe live load (as calculated in paragraph 6.1.6 of the ANSI Standard) between 5,000 lbs. (2,250 kg.) and 7,499 lbs. (3,375 kg.) For Commercial Pneumatic tire traffic patterns and tractor trailers.				
	Extra Heavy Duty	All grates having safe live load (as calculated in paragraph 6.1.6 of the ANSI Standard) between 7,500 lbs. (3,375 kg.) and 10,000 lbs. (4,500 kg.) For forklift traffic. Roads and Highways. H-20 Load Rated.				
	Special Duty	All grates having safe live load (as calculated in paragraph 6.1.6 of the ANSI Standard) over 10,000 lbs. (4,500 kg.) For airport traffic.				

### TRANSPORTATION CLASSIFICATIONS

- The American Association of State Highway and Transportation Officials' (AASHTO) "Standard Specification for Highway Bridges" defines H-20 loading as a two-axle truck with a maximum dual wheel load of 16,000 lbs. HS-20 loading is defined as a tractor truck with a tandem axle semi-trailer with a dual wheel load of 16,000 lbs.
- The FAA (Federal Aviation Administration) Advisory Circular AC 150/5320-6D describes aircraft loading as 100,000 lbs. placed over a 9" x 9" area.
- Heelproof is defined as slots or perforations that are less than 5/16" in width or diameter.





# **CROSS REFERENCE**

MIFAB®	DESCRIPTION	PAGE NO.	ACO / Jay R. Smith
T1560-13	0.5% sloped shallow bodies, 4" internal width with integral galvanized steel rail	11	H100/9832-100
T1560-3	0.5% sloped shallow bodies, 4" internal width with integral stainless steel rail	11	HS100
T1500-13	0.5% sloped bodies, 4" internal width with integral galvanized steel rail	12	K100/9895
T1500-3	0.5% sloped bodies, 4" internal width with integral stainless steel rail	12	KS100/9660-CLG
T100-PGA-13-FS	Galvanized steel slotted grating, one meter long, Load Class A	13	420D 12610 Class A JRS 9870-420-G
T100-PGA-13-FS-500	Galvanized steel slotted grating, half meter long, Load Class A	13	421D 12611 Class A JRS 9870-420-G0.5
T100-PGA-13-FP	Galvanized steel perforated grating, one meter long, Load Class A	13	410D 12666 Class A JRS 9870-410-GP
T100-PGA-13-FP-500	Galvanized steel perforated grating, half meter long, Load Class A	13	412D 12667 Class A JRS 9870-410-GP0.5
T100-PGA-3-FS	Stainless steel slotted grating, one meter long, Load Class A	13	450D 12640 Class A JRS 9870-450-SS
T100-PGA-3-FS-500	Stainless steel slotted grating, half meter long, Load Class A	13	452D 12641 Class A JRS 9870- 450-SS0.5G
T100-PGA-3-FP	Stainless steel perforated grating, one meter long, Load Class A	13	451D 12664 Class A JRS 9870-451-SSPA
T100-PGA-3-FP-500	Stainless steel perforated grating, half meter long, Load Class A	13	453D 12665 Class A JRS 9870-451-SSPA0.5
T100-PGC-13-FS	Galvanized steel slotted grating, one meter long, Load Class C	13	425D 12614 Class C JRS 9870- 425-GHD
T100-PGC-13-FS-500	Galvanized steel slotted grating, half meter long, Load Class C	13	426D 12615 Class C JRS 9870-425-GHD0.5
T100-PGC-13-GM	Galvanized steel mesh grating, one meter long, Load Class C	13	405D 132880 Class C JRS 9870-405-GM
T100-PGC-13-GM-500	Galvanized steel mesh grating, half meter long, Load Class C	13	406D 132881 Class C JRS 9870-405-GM0.5
T100-PGC-13-FP	Galvanized steel perforated grating, one meter long, Load Class C	13	411D 12656 Class C JRS 9870-411-GPAD
T100-PGC-13-FP-500	Galvanized steel perforated grating, half meter long, Load Class C	13	413D 12657 Class C JRS 9870-411-GPAD0.5
T100-PGC-3-FS	Stainless steel slotted grating, one meter long, Load Class C	13	455D 12644 Class C JRS 9870-455-SSHD
T100-PGC-13-FP-500	Stainless steel slotted grating, half meter long, Load Class C	13	457D 12645 Class C JRS 9870-455-SSHD0.5
T100-PGC-3-SM	Stainless steel mesh grating, one meter long, Load Class C	13	430D 132882 Class C JRS 9870-430-SSM
T100-PGC-3-SM-500	Stainless steel mesh grating, half meter long, Load Class C	13	431D 132883 Class C JRS 9870-430-SSM0.5
T100-PGC-3-FP	Stainless steel perforated grating, one meter long, Load Class C	13	465D 12654 Class C JRS 9870-465-SSP
T100-PGC-3-FP-500	Stainless steel perforated grating, half meter long, Load Class C	13	466D 12655 Class C JRS 9870-465-SSP0.5
T100-PGC-HPP	Plastic slotted grating, half meter long, Load Class C	13	494D 99575 Class A JRS 9870-494-PADAB

MIFAB®	DESCRIPTION	PAGE NO.	ACO / Jay R. Smith
T100-PGC-13-SD	Galvanized steel paverslot grating, one meter long, Load Class C	13	441/9835
T100-PGC-13-SD-500	Galvanized steel paverslot grating, half meter long, Load Class C	13	442/ 98355
T100-PGC-3-SD	Stainless steel paverslot grating, one meter long, Load Class C	13	443 138045 Class C
T100-PGC-3-SD-500	Stainless steel paverslot grating, half meter long, Load Class C	13	444 138046 Class C
T1500-PGE-4-ADA	Ductile iron, longitudinal grating, half meter long, Load Class E	13	476D 142171 Class C
T100-PGE-4-ADA	Ductile iron bar grating, half meter long, Load Class E, longitudunal slotted	13	478Q 03314 Class E JRS 9870-478-ADA
T100-PGE-4	Ductile iron slotted grating, half meter long, Load Class E	13	461Q JRS 9870-461-M
T100-PGF-4	Ductile iron slotted grating, half meter long, Load Class F	13	S100K/ 96082
T1700-13	0.5% sloped bodies, 8" internal width with integral galvanized steel rail	16	K200/9896-G
T1700-3	0.5% sloped bodies, 8" internal width with integral stainless steel rail	16	KS200/9896-SS
T200-PGC-4	Ductile iron slotted grating, half meter long, Load Class C	17	660D 142177 Class C
T200-PGC-13-FP	Galvanized steel perforated grating, one meter long, Load Class C	17	611D 138080 Class C JRS 9880-611-GPHD
T200-PGC-13-FP-500	Galvanized steel perforated grating, half meter long, Load Class C	17	613D 138081 Class C JRS 9880-613-GPHD
T200-PGC-3-SM	Stainless steel mesh grating, one meter long, Load Class C	17	665D 138082 Class C
T200-PGC-3-SM-500	Stainless steel mesh grating, half meter long, Load Class C	17	666D 138083 Class C 9880-666-SSP
T200-PGE-4-ADA	Ductile iron, longitudinal grating, half meter long, Load Class E	17	678Q 138129 Class E JRS 9880-678-MADA
T200-PGE-4	Ductile iron slotted grating, half meter long, Load Class E	17	661Q 10351 Class E JRS 9880-661-M
T200-PGF-4	Ductile iron slotted grating, half meter long, Load Class F	17	S200K / 2449
T1800	12" internal width with integral ductile iron rail, Load Class F	20	\$300K
T1800-13	0.5% sloped bodies, 12" internal width with integral galvanized steel rail	20	K300/9897
T1800-3	0.5% sloped bodies, 12" internal width with integral stainless steel rail	20	KS300/9897-SS
T300-PGC-13-GM	Galvanized steel mesh grating, meter long, Load Class C	21	805D 13819 Class C JRS 9890-805-GM





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COMPLETE MIFAB® BINDER (with all product booklets inside) Lit # 001B



MPB-2022-USA Lit # 067



NH-2022 Lit # 044



CLPB-2022 Lit # 048



BEECO-2022 Lit # 071



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