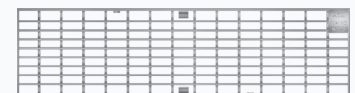




TD-2025

GRP & STEEL
TRENCH DRAIN SYSTEMS
CATALOG
2025

GRP & STEEL TRENCH
DRAIN PRODUCTS



2", 4", 8", 12" INTERNAL WIDTHS - SHALLOW CHANNELS - CATCH BASINS
(3", 6", 10" AND 14" OVERALL WIDTHS)

LIT-046

PICTORIAL INDEX

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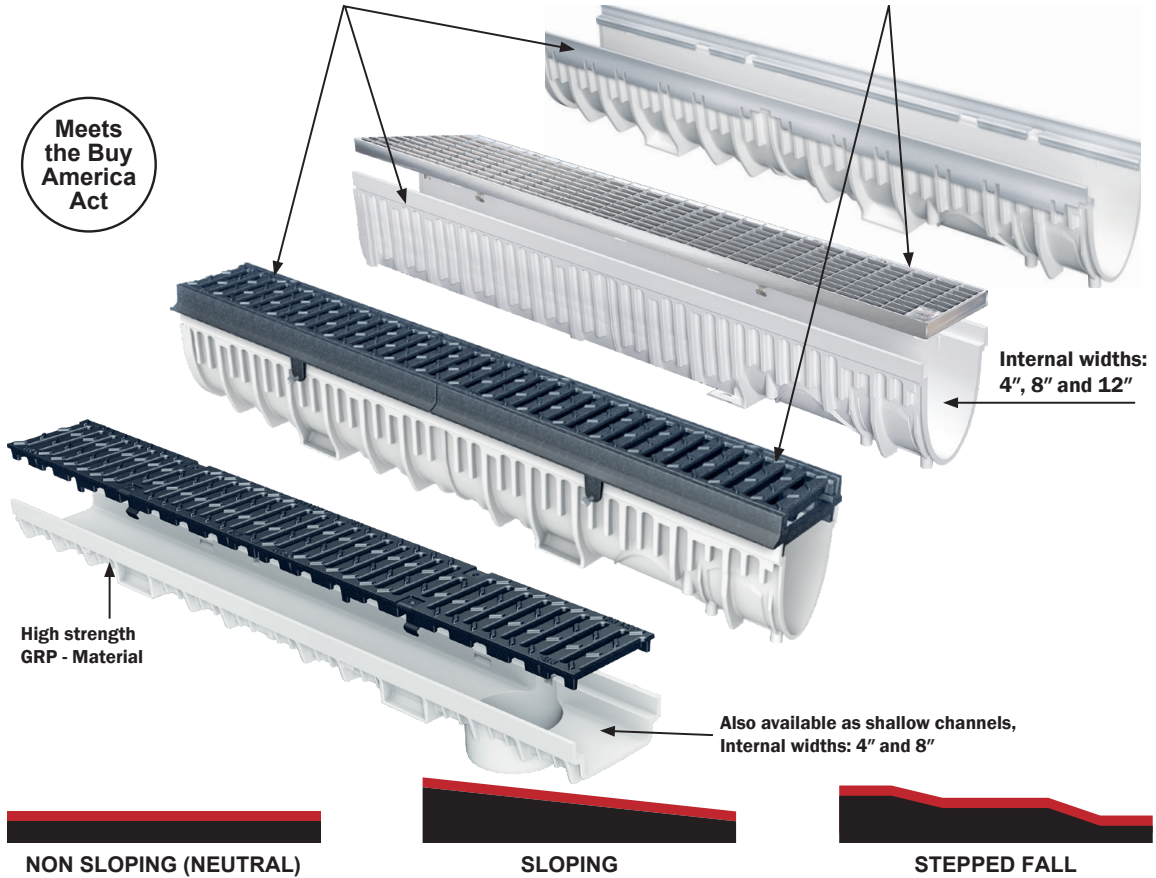
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GLASS FIBER REINFORCED POLYESTER (GRP) FOR MAXIMUM FLEXIBILITY

GRP channels with no edge rails, up to and including Load Class D 400 kN and also with 4mm thick galvanized and stainless steel edge rails, up to and including Load Class E 600 kN and ductile iron frame at a Load Class F 900 kN.

Grates are available in plastic, galvanized, stainless steel and ductile iron up to Load Class F 900 kN. Refer to the individual grate pages for specific load ratings by profile.



The GRP channels are ideal for:

- Vehicle Maintenance
- Commercial Areas
- Docks and Ports
- Parking Lots and Garages
- Internal Applications
- Truck Stops
- Industrial and Logistics Areas
- Fire and Police Stations
- Car Dealerships
- All Hardscape Applications
- Gas Stations
- Schools

The GRP channels with no edge rails and 4mm edge rails made of galvanized and stainless steel have been designed for maximum stability and easy installation. Ductile iron frame is also available for 4" and 8" internal width GRP channels.

- 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 and longitudinal grates made of galvanized and stainless steel
- Slotted and longitudinal grates available in plastic



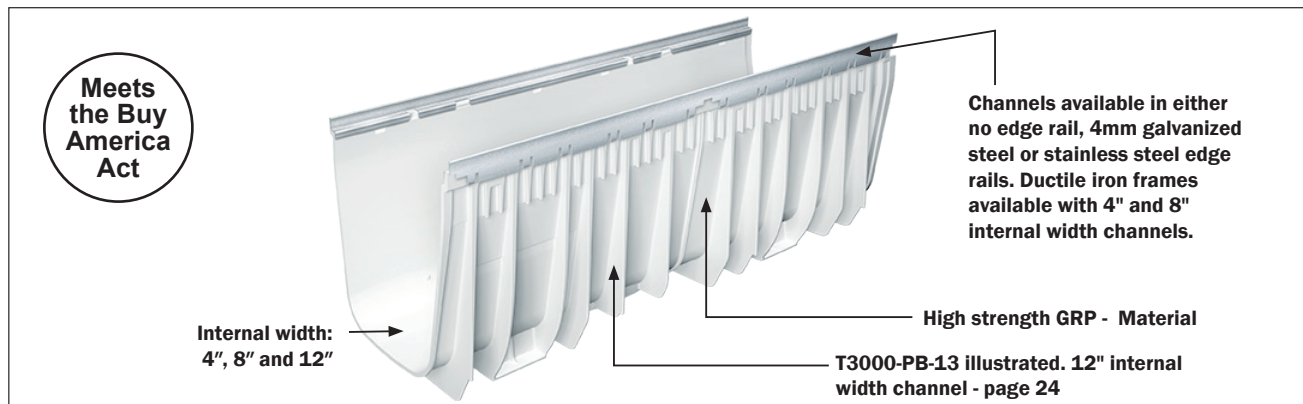
MIFAB's GRP channels are designed with a sealant groove in accordance with the EN 1433 Standard, Section 7.5 - Connecting Channel Elements. This Standard requires all channels to have the joint between channels to be designed in such a way that it can be permanently sealed. Sealant manufacturers recommend a 3/8" bead; which the MIFAB GRP conforms to.

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GLASS FIBER REINFORCED POLYESTER (GRP) FOR MATERIAL ADVANTAGE

MIFAB®'s GRP drainage channels using SMC (sheet molded compound manufacturing) technology offers the best price and performance for projects with grates up to Load Class F 900 kN. 4", 8" and 12" internal width channels are available with no edge rails up to and including Load Class D 400 kN and also with 4mm thick galvanized and stainless steel edge rails up to and including Load Class E 600 kN. Ductile iron frame GRP channels are also available for Load Class F 900 kN applications in 4" and 8" internal width channels.

- Drainage channels made of Glass Fiber Reinforced Polyester (GRP)
- Easy to install
- Load Class up to F 900 kN



GRP - GLASS FIBER REINFORCED POLYESTER

The GRP from MIFAB® has outstanding physical and chemical properties. These make it an extremely reliable and versatile material in even the toughest conditions.

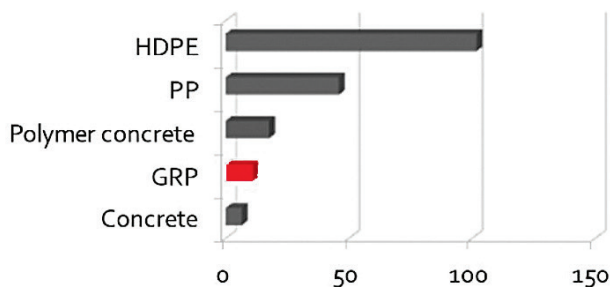
GRP channels are composed of glass fiber reinforced polyester. GRP channels are resistant to most chemicals and acids. A maximum working temperature (constant flow) of 212° Fahrenheit (100° C) and intermittent flow of 392° (200° C) is recommended. Typically, most other plastic materials (HDPE and PP) have a working temperature of 140° to 170° Fahrenheit. Polymer concrete has a maximum working temperature of 180° Fahrenheit. The minimum working temperature of GRP is minus 31° Fahrenheit. GRP channels can have asphalt installed around them with no negative effect on the channels.

MATERIAL CONSIDERATIONS

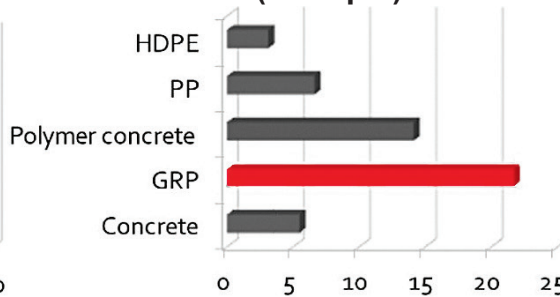
THESE SYSTEMS ARE EXPOSED TO: **ELEMENTS**
EXTREME DYNAMIC LOADS
CORROSIVE ENVIRONMENTS

A major advantage of GRP channels vs. HDPE and Polypropylene channels is that they will not warp or deform when exposed to the sun and temperature variances.

Thermal expansion material comparison at 68° F (20°C)



Compressive strength (1000 psi)



Coefficient of expansion / contraction

The numbers on the chart represent the net value of the thermal coefficient at 20° C (68° F).

Excessive movement between the channel and concrete around the channel leads to debonding, resulting in undesirable stresses, water ingress and potential failure. 10⁻⁶ IN/oF (0.000001 IN/oF).

GRP's thermal expansion is significantly less than that of HDPE and PP. Therefore, a GRP trench drain system will perform better than the industry standard HDPE and PP alternatives.


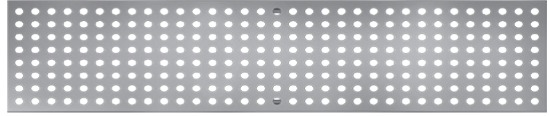
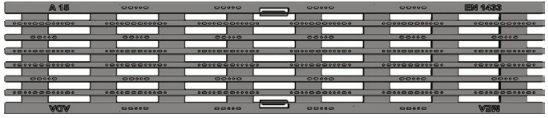
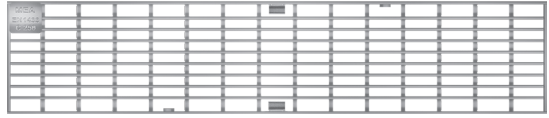


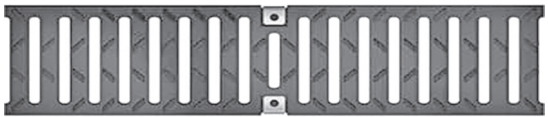
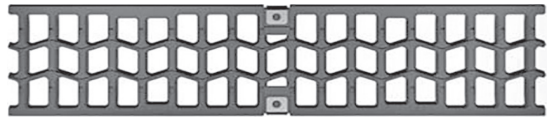

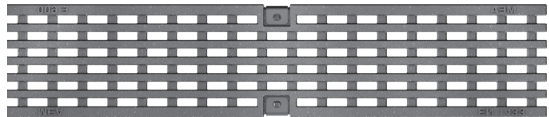

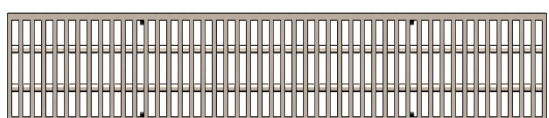
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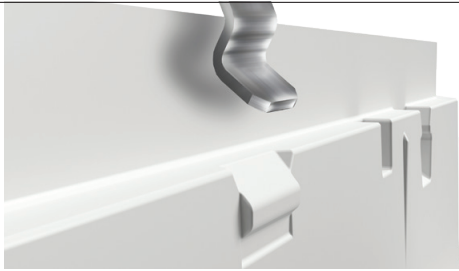
CLIPFIX AND PROFIX UNIVERSAL GRATES

<p>GALV. & S.S. - SLOTTED</p> <p>T300 (A only), T1400, T1460</p>  <p>Load Class A,C, E</p>	<p>GALV. & S.S. - PERFORATED</p>  <p>Load Class A, C</p>
<p>PLASTIC - LONGITUDINAL</p>  <p>Load Class A</p>	<p>GALV. & S.S. - MESH</p>  <p>Load Class A, C</p>
<p>PLASTIC - SLOTTED</p>  <p>Load Class C</p>	<p>GALV. & S.S. - LONGITUDINAL</p>  <p>Load Class B</p>
<p>DUCTILE IRON - SLOTTED</p>  <p>Load Class C, E, F</p>	<p>DUCTILE IRON - WAVE</p>  <p>Load Class C</p>
<p>DUCTILE IRON - HEELPROOF</p>  <p>Load Class C, E</p>	<p>DUCTILE IRON - LONGITUDINAL</p>  <p>Load Class E, F</p>
<p>DUCTILE IRON - BAVARIA</p>  <p>Load Class C</p>	<p>STAINLESS STEEL - BAR</p>  <p>Load Class E</p>

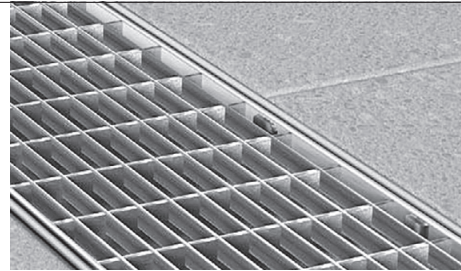
MIFAB® offers a wide range of grates for GRP and steel channel systems that are not just functional, but also aesthetically pleasing.

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CLIPFIX UNIVERSAL GRATE LOCKING DESIGN



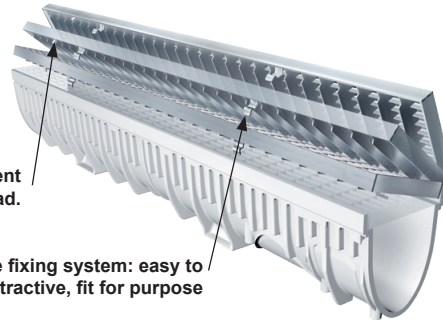
The MIFAB® GRP channels have been designed and optimized for our universal CLIPFIX grate fixing mechanism with longitudinal shift protection. The advantage: a large choice of grates and a comprehensive product offering.



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



Longitudinal shift protection system to prevent grate movement under dynamic load.

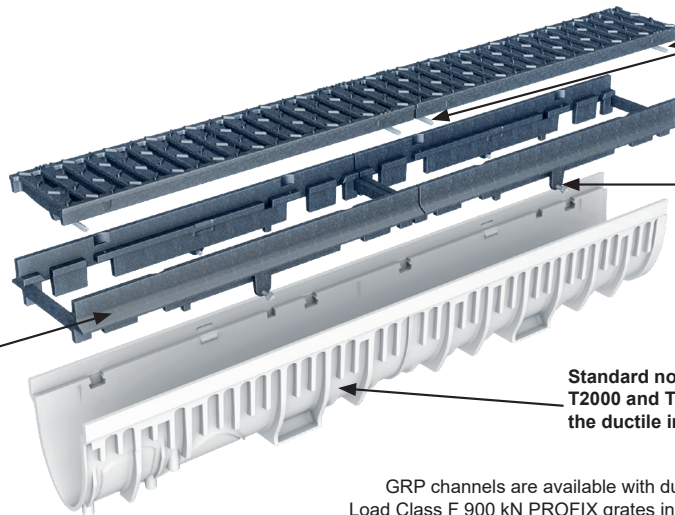


Universal CLIPFIX grate fixing system: easy to install, aesthetically attractive, fit for purpose

PROFIX UNIVERSAL GRATE LOCKING DESIGN



Ductile iron frame accepts CLIPFIX, PROFIX and four-bolt grates.



PROFIX locking bars

Frame sits into the seat recess of the channel. Exterior bolts are tightened to connect frame to channel.

Standard no edge T1400, T1460, T2000 and T2060 channels accept the ductile iron frame.

GRP channels are available with ductile iron frames and Load Class F 900 kN PROFIX grates in 4" and 8" internal widths.

CHANNEL / GRATE SELECTION GUIDE

	CHANNEL EDGE RAIL MATERIAL	GRATES				
		Stainless Steel	Galvanized	Ductile Iron	Galvanized Ductile Iron	Plastic
Glass Reinforced Polyester (GRP)	No Edge GRP Channels	X	X	X	X	X
	Stainless Steel Integral Edge GRP Channels	X		X		X
	Galvanized Steel Integral Edge GRP Channels		X	X	X	X
	Ductile Iron Integral Edge GRP Channels			X	X	

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SYSTEM PRICING - CHANNELS AND GRATES (PER FOOT)

T1400 - 4" Internal Width (No Edge Rails)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$135.44
A	Galvanized Steel	Slotted	PGA-13-FS	\$135.44
A	Stainless Steel	Perforated	PGA-3-FP	\$197.95
A	Stainless Steel	Slotted	PGA-3-FS	\$197.95
A	Stainless Steel	Mesh	PGA-3-SM	\$232.77
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$156.17
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$156.17
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$177.09
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$498.67
C	Ductile Iron	Slotted	PGC-4	\$153.96
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$161.77
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$182.74
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$182.74
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$197.74
C	Ductile Iron	WAVE	PGC-4-WVY	\$182.91
C	Ductile Iron	Bavaria	PGC-4-BG	\$182.91
C	Galvanized Steel	Mesh	PGC-13-GM	\$214.16
C	Galvanized Steel	Perforated	PGC-13-FP	\$210.69
C	Galvanized Steel	Slotted	PGC-13-FS	\$210.69
C	Galvanized Steel	Paverslot	PGC-13-SD	\$205.06
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$183.68
C	Ductile Iron	Solid Cover	SCC-4	\$182.91
C	Stainless Steel	Slotted	PGC-3-FS	\$299.83
C	Stainless Steel	Perforated	PGC-3-FP	\$299.83
C	Stainless Steel	Mesh	PGC-3-SM	\$408.27
C	Stainless Steel	Paverslot	PGC-3-SD	\$272.96

T1400-13 - 4" Internal Width (Galvanized Steel Integral Edge Rails)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$192.15
A	Galvanized Steel	Slotted	PGA-13-FS	\$192.15
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$212.88
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$212.88
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$233.80
C	Ductile Iron	Slotted	PGC-4	\$210.67
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$218.48
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$239.45
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$239.45
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$245.45
C	Ductile Iron	WAVE	PGC-4-WVY	\$239.62
C	Ductile Iron	Bavaria	PGC-4-BG	\$239.62
C	Galvanized Steel	Mesh	PGC-13-GM	\$270.87
C	Galvanized Steel	Perforated	PGC-13-FP	\$267.40
C	Galvanized Steel	Slotted	PGC-13-FS	\$267.40
C	Galvanized Steel	Paverslot	PGC-13-SD	\$261.77
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$240.39
C	Ductile Iron	Solid Cover	SCC-4	\$239.62
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$269.72
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$269.72
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$314.86
E	Ductile Iron	Slotted	PGE-4	\$230.36
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$244.24
E	Galvanized Steel	Slotted	PGE-13-FS	\$253.56

T1400-4 - 4" Internal Width (Ductile Iron Frames)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
F	Ductile Iron	Slotted	PGF-4-PX	\$250.79
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	\$270.65
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$250.79
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$270.65
F	Ductile Iron	Longitudinal Slotted	PGF-4-ADA-PX	\$301.53
F	Ductile Iron	Longitudinal Slotted, galvanized	PGF-4-ADA-PX-13	\$336.52

T1400-3 - 4" Internal Width (Stainless Steel Integral Edge Rails)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Stainless Steel	Perforated	PGA-3-FP	\$276.92
A	Stainless Steel	Slotted	PGA-3-FS	\$276.92
A	Stainless Steel	Mesh	PGA-3-SM	\$311.74
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$235.14
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$235.14
B	Stainless Steel	Longitudinal, Anti Slip	PGB-3-WW	\$577.64
C	Ductile Iron	Slotted	PGC-4	\$232.93
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$240.74
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$261.71
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$261.71
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$276.71
C	Ductile Iron	WAVE	PGC-4-WVY	\$261.88
C	Ductile Iron	Bavaria	PGC-4-BG	\$261.88
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$262.65
C	Ductile Iron	Solid Cover	SCC-4	\$261.88
C	Stainless Steel	Slotted	PGC-3-FS	\$276.82
C	Stainless Steel	Perforated	PGC-3-FP	\$276.82
C	Stainless Steel	Mesh	PGC-3-SM	\$487.24
C	Stainless Steel	Paverslot	PGC-3-SD	\$351.93
E	Stainless Steel	Bar	PGE-3-SBG	\$503.50
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$291.98
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$291.98
E	Ductile Iron	Slotted	PGE-4	\$252.62
E	Stainless Steel	Slotted	PGE-3-FS	\$439.03

T300 - 4" Internal Width - Residential (No Edge Rails)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$118.22
A	Galvanized Steel	Slotted	PGA-13-FS	\$118.22
A	Stainless Steel	Perforated	PGA-3-FP	\$180.73
A	Stainless Steel	Slotted	PGA-3-FS	\$180.73
A	Stainless Steel	Mesh	PGA-3-SM	\$215.55
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$138.95
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$138.95
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$159.87
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$481.45
B	Ductile Iron	Slotted	PGB-4	\$136.74

Cutting Charges T1400, T1400-3, T1400-4, T1400-13 - Cutting / per cut - (including bodies and grates - but does not include bonding of channel bodies) **\$224.00**

NOTE: Lockdowns The CLIPFIX locking clips are included with all of the above Class A - E grates.
 The PROFIX and 4 bolt assemblies are included with all of the above Class F grates.
 45s, 90s, catch basins, outlets, end caps and installation devices are priced separately and not included in the above System Pricing. (See Page 13)

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

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

SYSTEM PRICING - CHANNELS AND GRATES (PER FOOT)

T2000 - 8" Internal Width No Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Mesh	PGA-13-GM	\$298.99
A	Stainless Steel	Mesh	PGA-3-SM	\$813.90
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$312.87
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$813.90
C	Ductile Iron	Slotted	PGC-4	\$262.89
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$334.64
C	Ductile Iron	WAVE	PGC-4-WVY	\$334.64
C	Ductile Iron	Bavaria	PGC-4-BG	\$334.64
C	Galvanized Steel	Mesh	PGC-13-GM	\$422.56
C	Galvanized Steel	Paverslot	PGC-13-SD	\$312.46
C	Stainless Steel	Mesh	PGC-3-SM	\$957.05
C	Stainless Steel	Paverslot	PGC-3-SD	\$451.03

T2000-13 - 8" Internal Width Galvanized Steel Integral Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Mesh	PGA-13-GM	\$361.49
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$375.37
C	Ductile Iron	Slotted	PGC-4	\$325.39
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$397.14
C	Ductile Iron	WAVE	PGC-4-WVY	\$397.14
C	Ductile Iron	Bavaria	PGC-4-BG	\$397.14
C	Galvanized Steel	Mesh	PGC-13-GM	\$485.06
C	Galvanized Steel	Paverslot	PGC-13-SD	\$374.96
D	Ductile Iron	Solid Cover	SCD-4-PX	\$339.59
E	Ductile Iron	Slotted	PGE-4	\$377.48
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$433.04
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$433.04
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$433.04
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$554.59

T2000-4 - 8" Internal Width Ductile Iron Frames				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
D	Ductile Iron	Solid Cover	SCD-4-PX	\$414.89
F	Ductile Iron	Slotted	PGF-4-PX	\$458.84
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	\$512.61
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$458.84
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$512.61
F	Ductile Iron	Longitudinal Slotted	PGF-4-ADA-PX	\$522.70
F	Ductile Iron	Longitudinal Slotted, galvanized	PGF-4-ADA-PX-13	\$596.64

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T2000-3 - 8" Internal Width Stainless Steel Integral Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Stainless Steel	Mesh	PGA-3-SM	\$1,198.05
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$1,198.05
C	Ductile Iron	Slotted	PGC-4	\$647.04
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$718.79
C	Ductile Iron	WAVE	PGC-4-WVY	\$718.79
C	Ductile Iron	Bavaria	PGC-4-BG	\$718.79
C	Stainless Steel	Mesh	PGC-3-SM	\$1,341.20
C	Stainless Steel	Paverslot	PGC-3-SD	\$835.18
E	Stainless Steel	Bar	PGE-3-SBG	\$1,336.28
E	Ductile Iron	Slotted	PGE-4	\$699.13
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$754.69
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$754.69

Cutting Charges	T2000, T2000-3, T2000-4, T2000-13 - Cutting / per cut - (including bodies and grates - but does not include bonding of channel bodies)	\$275.75
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NOTE: Lockdowns The CLIPFIX locking clips are included with all of the above Class A - E grates.

The PROFIX and 4 bolt assemblies are included with all of the above Class F grates.

45s, 90s, catch basins, outlets, end caps and installation devices are priced separately and not included in the above System Pricing. (See Page 19)

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

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

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SYSTEM PRICING - CHANNELS AND GRATES (PER FOOT)

T1460 - 4" Internal Width, 55MM Deep No Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$118.22
A	Galvanized Steel	Slotted	PGA-13-FS	\$118.22
A	Stainless Steel	Perforated	PGA-3-FP	\$180.73
A	Stainless Steel	Slotted	PGA-3-FS	\$180.73
A	Stainless Steel	Mesh	PGA-3-SM	\$215.55
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$138.95
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$138.95
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$159.87
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$481.45
C	Ductile Iron	Slotted	PGC-4	\$136.74
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$144.55
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$165.52
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$165.52
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$180.52
C	Ductile Iron	WAVE	PGC-4-WVY	\$165.69
C	Ductile Iron	Bavaria	PGC-4-BG	\$165.69
C	Galvanized Steel	Mesh	PGC-13-GM	\$196.94
C	Galvanized Steel	Perforated	PGC-13-FP	\$193.47
C	Galvanized Steel	Slotted	PGC-13-FS	\$193.47
C	Galvanized Steel	Paverslot	PGC-13-SD	\$187.84
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$166.46
C	Ductile Iron	Solid Cover	SCC-4	\$165.69
C	Stainless Steel	Slotted	PGC-3-FS	\$342.84
C	Stainless Steel	Perforated	PGC-3-FP	\$342.84
C	Stainless Steel	Mesh	PGC-3-SM	\$391.05
C	Stainless Steel	Paverslot	PGC-3-SD	\$255.74

T1460-4 - 4" Internal Width, 55MM Deep Ductile Iron Frames				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
F	Ductile Iron	Slotted	PGF-4-PX	\$233.56
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	\$253.42
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$233.56
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$253.42
F	Ductile Iron	Longitudinal slotted	PGF-4-ADA-PX	\$284.30
F	Ductile Iron	Longitudinal slotted, galvanized	PGF-4-ADA-PX-13	\$319.29

NOTE: Lockdowns The CLIPFIX locking clips are included with all of the above Class A - E grates.
The PROFIX and 4 bolt assemblies are included with all of the above Class F grates.
45s, 90s, catch basins, outlets, end caps and installation devices are priced separately & not included in the above System Pricing. (See Pages 13, 19 & 23)

T2060 - 8" Internal Width, 100MM Deep No Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Mesh	PGA-13-GM	\$285.52
A	Stainless Steel	Mesh	PGA-3-SM	\$800.43
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$299.40
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$800.43
C	Ductile Iron	Slotted	PGC-4	\$249.42
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$321.17
C	Ductile Iron	WAVE	PGC-4-WVY	\$321.17
C	Ductile Iron	Bavaria	PGC-4-BG	\$321.17
C	Galvanized Steel	Mesh	PGC-13-GM	\$409.09
C	Galvanized Steel	Paverslot	PGC-13-SD	\$298.99
C	Stainless Steel	Mesh	PGC-3-SM	\$943.58
C	Stainless Steel	Paverslot	PGC-3-SD	\$437.56

T2060-4 - 8" Internal Width, 100MM Deep Ductile Iron Frames				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
F	Ductile Iron	Slotted	PGF-4-PX	\$445.54
F	Ductile Iron	Slotted, galvanized	PGF-4-PX-13	\$499.31
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$445.54
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$499.31
F	Ductile Iron	Longitudinal slotted	PGF-4-ADA-PX	\$509.40
F	Ductile Iron	Longitudinal slotted, galvanized	PGF-4-ADA-PX-13	\$583.34

T3000 - 12" Internal Width No Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
C	Galvanized Steel	Mesh	PGC-13-GM	\$703.50
C	Stainless Steel	Mesh	PGC-3-SM	\$1,225.84
C	Ductile Iron	Slotted	PGC-4	\$325.96
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$385.01
C	Ductile Iron	WAVE	PGC-4-WVY	\$512.07

T3000-13 - 12" Internal Width Galvanized Steel Integral Edge Rails				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
C	Galvanized Steel	Mesh	PGC-13-GM	\$781.47
C	Ductile Iron	Slotted	PGC-4	\$403.93
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$462.98
C	Ductile Iron	WAVE	PGC-4-WVY	\$590.04
E	Ductile Iron	Slotted	PGE-4	\$479.22
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$514.18
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$562.58
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$562.58
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$615.02
E	Ductile Iron	Solid Cover	SCE-4	\$562.92

Cutting Charges	T1460 - Cutting / per cut - (including bodies and grates - but does not include bonding of channel bodies)	\$210.00
Cutting Charges	T2060 - Cutting / per cut - (including bodies and grate - but does not include bonding of channel bodies)	\$265.00
Cutting Charges	T3000, T3000-13 - Cutting / per cut - (including bodies and grates - but does not include bonding of channel bodies)	\$358.75

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

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

SYSTEM PRICING - CHANNELS AND GRATES (PER FOOT)

T1330 - 4" Internal Width (Steel channel with grate)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$412.12
A	Galvanized Steel	Slotted	PGA-13-FS	\$412.12
A	Stainless Steel	Perforated	PGA-3-FP	\$474.63
A	Stainless Steel	Slotted	PGA-3-FS	\$474.63
A	Stainless Steel	Mesh	PGA-3-SM	\$509.45
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$432.85
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$432.85
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$453.77
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$527.71
C	Ductile Iron	Slotted	PGC-4	\$430.64
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$438.45
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$459.42
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$459.42
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$474.42
C	Ductile Iron	Wave	PGC-4-WVY	\$459.59
C	Ductile Iron	Bavaria	PGC-4-BG	\$459.59
C	Ductile Iron	Solid Cover	SCC-4	\$459.59
C	Galvanized Steel	Mesh	PGC-13-GM	\$490.84
C	Galvanized Steel	Perforated	PGC-13-FP	\$487.37
C	Galvanized Steel	Slotted	PGC-13-FS	\$487.37
C	Galvanized Steel	Paverslot	PGC-13-SD	\$481.74
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$460.36
C	Stainless Steel	Slotted	PGC-3-FS	\$474.63
C	Stainless Steel	Perforated	PGC-3-FP	\$474.63
C	Stainless Steel	Mesh	PGC-3-SM	\$684.95
C	Stainless Steel	Paverslot	PGC-3-SD	\$549.64
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$489.69
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$489.69
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$534.83
E	Ductile Iron	Slotted	PGE-4	\$450.33
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$464.21
E	Stainless Steel	Bar	PGE-3-SBG	\$701.21
E	Stainless Steel	Slotted	PGE-3-FS	\$636.74
E	Galvanized Steel	Slotted	PGE-13-FS	\$473.53
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$465.27
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$485.13

T1360 - 8" Internal Width (Steel channel with grate)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Mesh	PGA-13-GM	\$589.23
A	Stainless Steel	Mesh	PGA-3-SM	\$1,104.14
B	Galvanized Steel	Longitudinal slotted	PGB-13-LS	\$603.11
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$1,104.14
C	Ductile Iron	Slotted	PGC-4	\$553.13
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$624.88
C	Ductile Iron	Wave	PGC-4-WVY	\$624.88
C	Ductile Iron	Bavaria	PGC-4-BG	\$624.88
C	Galvanized Steel	Mesh	PGC-13-GM	\$712.80
C	Galvanized Steel	Paverslot	PGC-13-SD	\$602.70
C	Stainless Steel	Paverslot	PGC-3-SD	\$741.27
C	Stainless Steel	Mesh	PGC-3-SM	\$1,247.29
E	Ductile Iron	Slotted	PGE-4	\$605.22
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$660.78
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$660.78
E	Ductile Iron	Longitudinal slotted	PGE-4-ADA	\$660.78
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$782.33
E	Stainless Steel	Bar	PGE-3-SBG	\$1,242.37
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$611.28
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$665.05

NOTE: Lockdowns The CLIPFIX locking clips are included with all of the above grates.
 T1330, T1360: 45s, 90s, catch basins, outlets, end caps and installation devices are priced separately and not included in the above System Pricing.
 (See Pages 32 & 34)

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

SYSTEM PRICING - CHANNELS AND FRAMES (PER FOOT)

T1400-F - 4" Internal Width (Steel Frame)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Perforated	PGA-13-FP	\$164.48
A	Galvanized Steel	Slotted	PGA-13-FS	\$164.48
A	Stainless Steel	Perforated	PGA-3-FP	\$226.99
A	Stainless Steel	Slotted	PGA-3-FS	\$226.99
A	Stainless Steel	Mesh	PGA-3-SM	\$261.81
A	Black Plastic	Longitudinal Slotted	PGA-HPP-BLK	\$185.21
A	Grey Plastic	Longitudinal Slotted	PGA-HPP-GRY	\$185.21
B	Galvanized Steel	Longitudinal Slotted	PGB-13-LS	\$206.13
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$527.71
C	Ductile Iron	Slotted	PGC-4	\$183.00
C	Ductile Iron	Slotted, galvanized	PGC-4-13	\$190.81
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$211.78
C	Ductile Iron	Longitudinal Slotted	PGC-4-ADA	\$211.78
C	Ductile Iron	Longitudinal Slotted, galvanized	PGC-4-ADA-13	\$226.78
C	Ductile Iron	Wave	PGC-4-WVY	\$211.95
C	Ductile Iron	Bavaria	PGC-4-BG	\$211.95
C	Ductile Iron	Solid Cover	SCC-4	\$211.95
C	Galvanized Steel	Mesh	PGC-13-GM	\$243.20
C	Galvanized Steel	Perforated	PGC-13-FP	\$239.73
C	Galvanized Steel	Slotted	PGC-13-FS	\$239.73
C	Galvanized Steel	Paverslot	PGC-13-SD	\$234.10
C	Black Plastic	Heelproof Slotted	PGC-HPP	\$212.72
C	Stainless Steel	Slotted	PGC-3-FS	\$226.99
C	Stainless Steel	Perforated	PGC-3-FP	\$226.99
C	Stainless Steel	Mesh	PGC-3-SM	\$437.31
C	Stainless Steel	Paverslot	PGC-3-SD	\$302.00
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$242.05
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$242.05
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$287.19
E	Ductile Iron	Slotted	PGE-4	\$202.69
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$216.57
E	Stainless Steel	Bar	PGE-3-SBG	\$453.57
E	Stainless Steel	Slotted	PGE-3-FS	\$389.10
E	Galvanized Steel	Slotted	PGE-13-FS	\$225.89
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$217.63
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$237.49

T2000-F - 8" Internal Width (Steel Frame)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
A	Galvanized Steel	Mesh	PGA-13-GM	\$370.80
A	Stainless Steel	Mesh	PGA-3-SM	\$885.71
B	Galvanized Steel	Longitudinal slotted	PGB-13-LS	\$384.68
B	Stainless Steel	Longitudinal, Anti slip	PGB-3-WW	\$885.71
C	Ductile Iron	Slotted	PGC-4	\$334.70
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$406.45
C	Ductile Iron	Wave	PGC-4-WVY	\$406.45
C	Ductile Iron	Bavaria	PGC-4-BG	\$406.45
C	Galvanized Steel	Mesh	PGC-13-GM	\$494.37
C	Galvanized Steel	Paverslot	PGC-13-SD	\$384.27
C	Stainless Steel	Mesh	PGC-3-SM	\$1,028.86
C	Stainless Steel	Paverslot	PGC-3-SD	\$522.84
E	Ductile Iron	Slotted	PGE-4	\$386.79
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$442.35
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$442.35
E	Ductile Iron	Longitudinal slotted	PGE-4-ADA	\$442.35
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$563.90
E	Stainless Steel	Bar	PGE-3-SBG	\$1,023.94
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$392.85
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$446.62

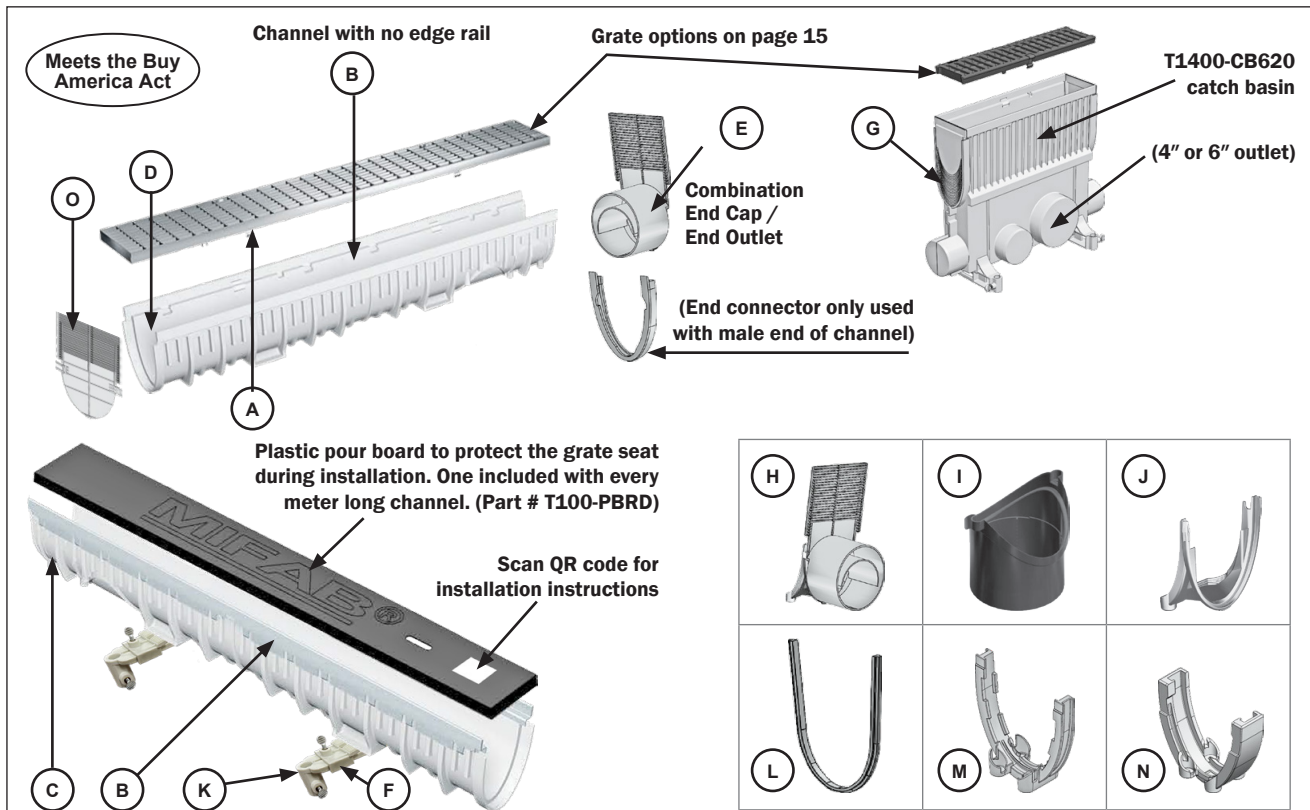
T3000-F - 12" Internal Width (Steel Frame)				
GRATE LOAD CLASS	GRATE MATERIAL	GRATE DESIGN	GRATE SUFFIX	LIST PRICE (Per Foot)
C	Galvanized Steel	Mesh	PGC-13-GM	\$804.22
C	Stainless Steel	Mesh	PGC-3-SM	\$1,326.56
C	Ductile Iron	Slotted	PGC-4	\$426.68
C	Ductile Iron	Heelproof Slotted	PGC-4-HP	\$485.73
C	Ductile Iron	WAVE	PGC-4-WVY	\$612.79
E	Ductile Iron	Slotted	PGE-4	\$501.97
E	Ductile Iron	Slotted, galvanized	PGE-4-13	\$536.93
E	Ductile Iron	Heelproof Slotted	PGE-4-HP	\$585.33
E	Ductile Iron	Longitudinal Slotted	PGE-4-ADA	\$585.33
E	Ductile Iron	Longitudinal Slotted, galvanized	PGE-4-ADA-13	\$637.77
E	Stainless Steel	Bar	PGE-3-SBG	\$1,402.32
E	Ductile Iron	Solid Cover	SCC-4	\$585.67
F	Ductile Iron	Slotted, 4 bolt	PGF-4-B	\$540.02
F	Ductile Iron	Slotted, 4 bolt, galvanized	PGF-4-B-13	\$613.61

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

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 sales@mifab.com Canada Toll Free: 1-800-387-3880

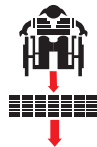
MIFAB®, Inc., 1321 West 119th Street, Chicago, Illinois 60643-5109, USA
 All sales subject to MIFAB's Terms and Warranties, please refer to page no. 54.

T1400 SYSTEM COMPONENTS AND FEATURES


- A. Innovative CLIPFIX grate locking mechanism for plastic, ductile iron (up to and including Load Class E), galvanized and stainless steel grates. Innovative PROFIX grate locking mechanism and 4 bolt locking Load Class F ductile iron grates.
- B. GRP channels with no edge rails, 4mm thick galvanized and stainless steel and ductile iron frames as per EN 1433.
- C. High strength drainage channel body enables Load Class A 15kN to Load Class F 900 kN.
- D. Optimized flow cross section promotes self cleaning.
- E. 3" and 4" socket connection combination end cap / end outlet for male end of the channels for all depths. End connector provided with each end cap / end outlet for male end of channel.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete Installation device attachment point.
- G. Two end caps, two rebar installation devices (T1400-CB620-REB) and one sediment bucket are provided with every catch basin to accept all channel depths.
- H. Side outlet. (Side channel connector and combination outlet).
- I. 3" and 4" socket connection bottom outlet.
- J. Side channel connector. (Used to receive channels and side outlet).
- K. Rebar installation devices (plastic). Two included with every meter long channel.
- L. Channel insert to fill sealant groove between channels (if required).
- M. T1400-PMCC. Male to male channel connector for 1 meter long T1400 channels. (with four self tapping screws)
- N. T1400-PFMC. Female to male channel connector for 1 meter long T1400 channels. One provided at no charge with every T1400 meter long channel. (with four self tapping screws).
- O. End cap for female end of the channel for all channel depths (T1400-PEC).

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

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)".



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

T1460 - 4" INTERNAL WIDTH - SHALLOW CHANNELS AND CATCH BASINS





T1460N-PB Channel Body

T1460N-PB-BO4 Channel Body with integral 4" outlet

Meets the Buy America Act

T1400-CB620 Catch Basin





SCAN FOR SPEC. SHEETS

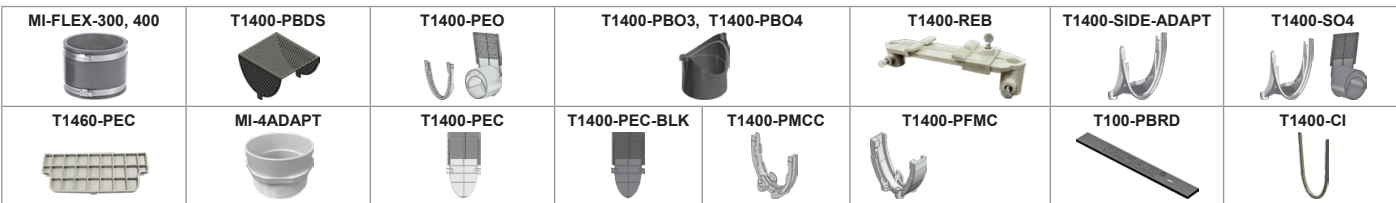
Go to www.MIFAB.com for cross section details and specification sheets.

NO EDGE RAILS (for up to and including Load Class C grates)	BODY TYPE	INVERT BODY DEPTH	T1460N-REB (two stainless steel brackets with mounting hardware. (See page 44) \$21.00 for 2 pieces)	OVERALL BODY DEPTH	MAXIMUM FLOW RATE GPM	WEIGHT (LESS GRATE) Lbs.
Channel Model # List Price, Each (1 Meter long)	Neutral - 0%					
T1460N-PB \$346.00	Neutral	2"		2.17"	55	4.12
T1460N-PB-500 (half meter long) \$208.00	Neutral	2"	T1460-CI channel insert	2.17"	55	2.05
T1460N-PB-BO4 \$346.00	Neutral	2"	T1460-CI - channel insert for T1460 shallow channels, if required. \$33.00 for bag of 10	2.17"	55	4.12
T1460N-SVF-3 \$156.00	Type 304 Stainless Steel veneer frame for T1460N no edge channels, one meter long.			T1400-PFO-4 ductile iron frame		
T1400-PFO-4 \$204.00	Load Class F Ductile Iron frame for T1400 and T1460N no edge channels, half meter long, (two pieces needed per channel)			Load Class F Ductile Iron frame for T1400 and T1460N channels		

CATCH BASINS FOR T1400 CHANNELS

GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		DUCTILE IRON FRAME (for Load Class F grates)		BODY TYPE	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE) Lbs.
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)	Catch Basin Model #	List Price, Each (1/2 Meter long)				
T1400-CB620-13	\$789.00	T1400-CB620	\$681.00	T1400-CB620-3	\$1,362.00	T1400-CB620-4	\$828.00	Neutral - 0%	19"	19.18"	12.74
Replacement sediment bucket		T1400-CB620-SB	\$240.00								

NOTE: All catch basins are shipped with a sediment bucket, two end caps and two rebar installation devices.



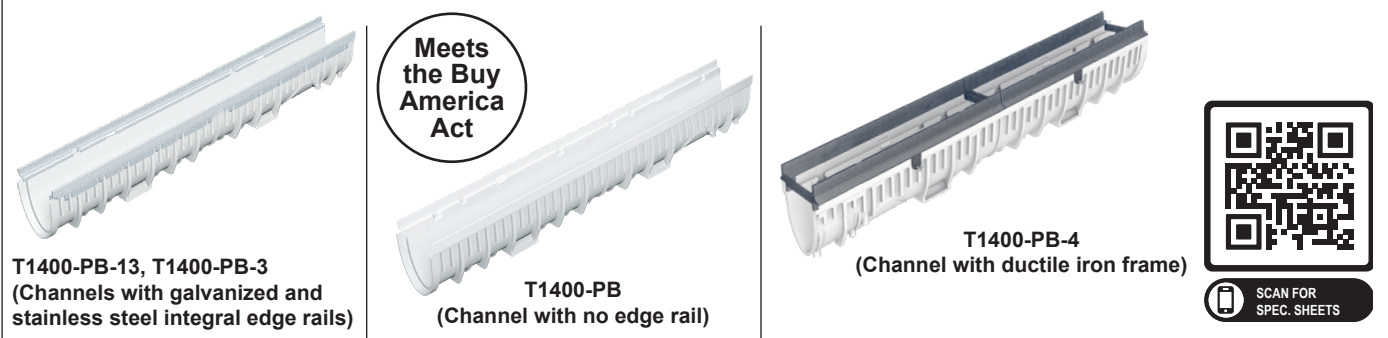
MODEL #	DESCRIPTION	MATERIAL	LIST PRICE
MI-FLEX-300	3" Flexible rubber coupling to connect 3" No Hub horizontal and vertical channel outlets to drainage pipe	Rubber	\$25.00
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe	Rubber	\$30.25
T1400-PBDS	Bottom Outlet Strainer	Stainless Steel	\$89.00
T1400-PEO	3" and 4" socket connection combination male end cap / end outlet, with connector	Plastic	\$44.00
T1400-PEC	End cap for female end channels	Plastic	\$44.00
T1400-PEC-BLK	End cap for female end channels with ductile iron rails - black color	Plastic	\$44.00
T1400-PBO3	3" socket connection bottom outlet	Plastic	\$44.00
T1400-PBO4	4" socket connection bottom outlet	Plastic	\$44.00
T1400-REB	Replacement Installation Device. Two provided at no charge with every T1400 meter long channel	Plastic	\$12.75, each
T1400-SIDE-ADAPT	Side Outlet Adapter for T1400N, T1410N and T1420N channels	Plastic	\$45.00
T1400-SO4	Side Outlet Connector (T1400-SIDE-ADAPT and T1400-PEO for T1400N, T1410N and T1420N channels)	Plastic	\$89.00
T1460-PEC	Closed End Cap for T1460N channels	Plastic	\$44.00
MI-4ADAPT	4" PVC x 4" N.P.T. adapter coupling to install around bottom outlet to connect to MIFAB® A1 body for waterproofing applications(See page 42 for application)	Plastic	\$27.50
T1400-CI	Channel insert to fill expansion gap between channels (if required)	Plastic	\$33.00 / bag of 10
T1400-PMCC	Male to male channel connector for 1 meter long T1400 channels	Plastic	\$45.00
T1400-PFMC	Female to male channel connector for 1 meter long T1400 channels. One provided at no charge with every T1400 meter long channel (with four self tapping screws)	Plastic	\$45.00
T100-PBRD	Replacement pour board to protect the channel during installation. One included at no charge with every T1400 meter long channel	Plastic	\$16.00

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GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		DUCTILE IRON FRAME (for Load Class F grates)		BODY TYPE	INVERT BODY DEPTH		OVERALL BODY DEPTH		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Sloped - .5% Neutral - 0%	E1 (Min.)	E2 (Max.)	E1 (Min.)	E2 (Max.)	GPM	Lbs.
T1400N-PB-13	\$588.50	T1400N-PB	\$402.50	T1400N-PB-3	\$661.50	T1400N-PB-4	\$606.50	Neutral	5.78"	5.78"	6.23"	6.23"	137	7.94
T1400N-PB-13-500	\$353.00 (half meter long channel)	T1400N-PB-500	\$241.50 (half meter long channel)	T1400N-PB-3-500	\$397.00 (half meter long channel)	T1400N-PB-4-500	\$397.00 (half meter long channel)	Neutral	5.78"	5.78"	6.23"	6.23"	137	4.41
T1400N-PB-13-500-DC	\$353.00 (half meter long channel, direction change)	T1400N-PB-500-DC	\$241.50 (half meter long channel, direction change)	T1400N-PB-3-500-DC	\$397.00 (half meter long channel, direction change)	T1400N-PB-4-500-DC	\$397.00 (half meter long channel, direction change)	Neutral	5.78"	5.78"	6.23"	6.23"	137	4.41
T1401-PB-13	\$588.50	T1401-PB	\$402.50	T1401-PB-3	\$661.50	T1401-PB-4	\$606.50	Sloped	5.78"	5.98"	6.23"	6.42"	146	8.16
T1402-PB-13	\$588.50	T1402-PB	\$402.50	T1402-PB-3	\$661.50	T1402-PB-4	\$606.50	Sloped	5.98"	6.18"	6.42"	6.62"	155	8.32
T1403-PB-13	\$588.50	T1403-PB	\$402.50	T1403-PB-3	\$661.50	T1403-PB-4	\$606.50	Sloped	6.18"	6.38"	6.62"	6.82"	163	8.49
T1404-PB-13	\$588.50	T1404-PB	\$402.50	T1404-PB-3	\$661.50	T1404-PB-4	\$606.50	Sloped	6.38"	6.57"	6.82"	7.01"	173	8.66
T1405-PB-13	\$588.50	T1405-PB	\$402.50	T1405-PB-3	\$661.50	T1405-PB-4	\$606.50	Sloped	6.57"	6.77"	7.01"	7.21"	182	8.83
T1406-PB-13	\$588.50	T1406-PB	\$402.50	T1406-PB-3	\$661.50	T1406-PB-4	\$606.50	Sloped	6.77"	6.97"	7.21"	7.41"	192	8.99
T1407-PB-13	\$588.50	T1407-PB	\$402.50	T1407-PB-3	\$661.50	T1407-PB-4	\$606.50	Sloped	6.97"	7.16"	7.41"	7.60"	203	9.16
T1408-PB-13	\$588.50	T1408-PB	\$402.50	T1408-PB-3	\$661.50	T1408-PB-4	\$606.50	Sloped	7.16"	7.36"	7.60"	7.80"	212	9.33
T1409-PB-13	\$588.50	T1409-PB	\$402.50	T1409-PB-3	\$661.50	T1409-PB-4	\$606.50	Sloped	7.36"	7.56"	7.80"	8.00"	223	9.50
T1410-PB-13	\$588.50	T1410-PB	\$402.50	T1410-PB-3	\$661.50	T1410-PB-4	\$606.50	Sloped	7.56"	7.75"	8.00"	8.19"	235	9.67
T1410N-PB-13	\$588.50	T1410N-PB	\$402.50	T1410N-PB-3	\$661.50	T1410N-PB-4	\$606.50	Neutral	7.75"	7.75"	8.19"	8.19"	235	9.57
T1410N-PB-13-500	\$353.00 (half meter long channel)	T1410N-PB-500	\$241.50 (half meter long channel)	T1410N-PB-3-500	\$397.00 (half meter long channel)	T1410N-PB-4-500	\$397.00 (half meter long channel)	Neutral	7.75"	7.75"	8.19"	8.19"	235	4.78
T1410N-PB-13-500-DC	\$353.00 (half meter long channel, direction change)	T1410N-PB-500-DC	\$241.50 (half meter long channel, direction change)	T1410N-PB-3-500-DC	\$397.00 (half meter long channel, direction change)	T1410N-PB-4-500-DC	\$397.00 (half meter long channel, direction change)	Neutral	7.75"	7.75"	8.19"	8.19"	235	4.78
T1411-PB-13	\$588.50	T1411-PB	\$402.50	T1411-PB-3	\$661.50	T1411-PB-4	\$606.50	Sloped	7.75"	7.95"	8.19"	8.39"	246	9.83
T1412-PB-13	\$588.50	T1412-PB	\$402.50	T1412-PB-3	\$661.50	T1412-PB-4	\$606.50	Sloped	7.95"	8.15"	8.39"	8.59"	262	10.00
T1413-PB-13	\$588.50	T1413-PB	\$402.50	T1413-PB-3	\$661.50	T1413-PB-4	\$606.50	Sloped	8.15"	8.34"	8.59"	8.78"	273	10.17
T1414-PB-13	\$588.50	T1414-PB	\$402.50	T1414-PB-3	\$661.50	T1414-PB-4	\$606.50	Sloped	8.34"	8.54"	8.78"	8.98"	285	10.34
T1415-PB-13	\$588.50	T1415-PB	\$402.50	T1415-PB-3	\$661.50	T1415-PB-4	\$606.50	Sloped	8.54"	8.74"	8.98"	9.18"	298	10.50
T1416-PB-13	\$588.50	T1416-PB	\$402.50	T1416-PB-3	\$661.50	T1416-PB-4	\$606.50	Sloped	8.74"	8.93"	9.18"	9.38"	311	10.67
T1417-PB-13	\$588.50	T1417-PB	\$402.50	T1417-PB-3	\$661.50	T1417-PB-4	\$606.50	Sloped	8.93"	9.13"	9.38"	9.57"	323	10.84
T1418-PB-13	\$588.50	T1418-PB	\$402.50	T1418-PB-3	\$661.50	T1418-PB-4	\$606.50	Sloped	9.13"	9.33"	9.57"	9.77"	338	11.01
T1419-PB-13	\$588.50	T1419-PB	\$402.50	T1419-PB-3	\$661.50	T1419-PB-4	\$606.50	Sloped	9.33"	9.53"	9.77"	9.97"	350	11.17
T1420-PB-13	\$588.50	T1420-PB	\$402.50	T1420-PB-3	\$661.50	T1420-PB-4	\$606.50	Sloped	9.53"	9.72"	9.97"	10.16"	365	11.34
T1420N-PB-13	\$588.50	T1420N-PB	\$402.50	T1420N-PB-3	\$661.50	T1420N-PB-4	\$606.50	Neutral	9.72"	9.72"	10.16"	10.16"	365	11.42
T1420N-PB-13-500	\$353.00 (half meter long channel)	T1420N-PB-500	\$241.50 (half meter long channel)	T1420N-PB-3-500	\$397.00 (half meter long channel)	T1420N-PB-4-500	\$397.00 (half meter long channel)	Neutral	9.72"	9.72"	10.16"	10.16"	365	5.71
T1420N-PB-13-500-DC	\$353.00 (half meter long channel, direction change)	T1420N-PB-500-DC	\$241.50 (half meter long channel, direction change)	T1420N-PB-3-500-DC	\$397.00 (half meter long channel, direction change)	T1420N-PB-4-500-DC	\$397.00 (half meter long channel, direction change)	Neutral	9.72"	9.72"	10.16"	10.16"	365	5.71

AVAILABLE MARCH, 2025

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

LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I.

Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in./ft.)
T100-PGA-13-FP	Class A Galvanized Perforated Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.85	8.08
T100-PGA-13-FP-500	Class A Galvanized Perforated Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.09	8.08
T100-PGA-3-FP	Class A Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.85	8.08
T100-PGA-3-FP-500	Class A Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.09	8.08
T100-PGA-13-FS	Class A Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.08	13.31
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.86	13.31
T100-PGA-3-FS	Class A Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.12	13.31
T100-PGA-3-FS-500	Class A Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.42	13.31
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$361.01	\$110.06	5.72	40.17
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$207.12	\$126.29	3.08	40.17
T100-PGA-HPP-BLK	Class A Plastic Longitudinal, Slotted Black Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56
T100-PGA-HPP-GRY	Class A Plastic Longitudinal, Slotted Grey Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56

LOAD CLASS B GRATES - EN 1433 - 28,100 LBS., 125kN, 580 P.S.I.

T100-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter	39.37" (1000)	\$178.37	\$54.38	8.80	28.05
T100-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	\$99.08	\$60.41	4.37	28.05
T100-PGB-3-WW	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1 meter	39.37" (1000)	\$1,233.16	\$375.96	8.80	26.52
T100-PGB-3-WW-500	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1/2 meter	19.69" (500)	\$873.35	\$532.53	4.37	26.52

LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 1,160 P.S.I.

T100-PGC-13-FP	Class C Galvanized Perforated Grate, 1 meter	39.37" (1000)	\$288.57	\$87.98	9.04	8.08
T100-PGC-13-FP-500	Class C Galvanized Perforated Grate, 1/2 meter	19.69" (500)	\$173.15	\$105.58	4.51	8.08
T100-PGC-3-FP	Class C Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	\$580.94	\$177.12	9.04	8.08
T100-PGC-3-FP-500	Class C Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	\$348.57	\$212.54	4.51	8.08
T100-PGC-13-FS	Class C Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$288.57	\$87.98	9.68	13.31
T100-PGC-13-FS-500	Class C Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$173.15	\$105.58	4.59	13.31
T100-PGC-3-FS	Class C Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$580.94	\$177.12	9.32	13.31
T100-PGC-3-FS-500	Class C Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$348.57	\$212.54	4.62	13.31
T100-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$299.96	\$91.45	11.50	40.75
T100-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$179.97	\$109.74	5.80	40.75
T100-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$939.92	\$285.56	11.50	40.75
T100-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$675.81	\$412.08	5.80	40.75
T100-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter	39.37" (1000)	\$270.11	\$82.35	10.25	6.00
T100-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	19.69" (500)	\$183.51	\$111.90	5.23	6.00
T100-PGC-13-SD-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$477.68	\$291.27	7.43	3.00
T100-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter	39.37" (1000)	\$492.82	\$150.25	10.07	6.00
T100-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	19.69" (500)	\$288.44	\$175.88	5.06	6.00
T100-PGC-3-SD-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$900.08	\$548.83	7.43	3.00
T100-PGC-HPP	Class C Black Plastic Slotted Grate, 1/2 meter	19.69" (500)	\$100.00	\$60.97	2.35	9.84
T100-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$51.25	\$31.25	7.26	16.64
T100-PGC-4-13	Class C Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$64.06	\$39.06	7.26	16.64
T100-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$98.45	\$60.03	7.26	7.42
T100-PGC-4-ADA	Class C Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$98.45	\$60.03	7.26	7.42
T100-PGC-4-ADA-13	Class C Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$123.06	\$75.03	7.26	7.42
T100-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	\$98.72	\$60.20	10.12	25.96
T100-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter	19.69" (500)	\$98.72	\$60.20	6.60	13.88
T100-SCC-4	Class C Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	\$98.72	\$60.20	13.00	-

LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,785 P.S.I.

T100-PGE-13-FS	Class E Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$243.19	\$74.14	9.68	13.31
T100-PGE-13-FS-500	Class E Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$156.19	\$95.24	4.59	13.31
T100-PGE-3-FS	Class E Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$778.51	\$237.35	9.32	13.31
T100-PGE-3-FS-500	Class E Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$467.11	\$284.82	4.62	13.31
T100-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$83.54	\$50.94	8.36	19.49
T100-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$106.31	\$64.82	8.36	19.49
T100-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	8.36	7.42
T100-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	10.70	18.07
T100-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$222.12	\$135.44	10.70	18.07
T100-PGE-3-SBG	Class E Stainless Steel Bar Grate	39.37" (1000)	\$990.00	\$301.82	12.00	24.70
T100-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter	19.69" (500)	\$594.00	\$362.19	7.00	24.70

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

T100-PGF-4-PX	Class F Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$108.05	\$65.88	9.50	18.83
T100-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$140.61	\$85.74	9.50	18.83
T100-PGF-4-B	Class F Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$108.05	\$65.88	9.50	18.83
T100-PGF-4-B-13	Class F Galvanized Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$140.61	\$85.74	9.50	18.83
T100-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$191.25	\$116.62	12.00	18.07
T100-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$248.64	\$151.61	12.00	18.07

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

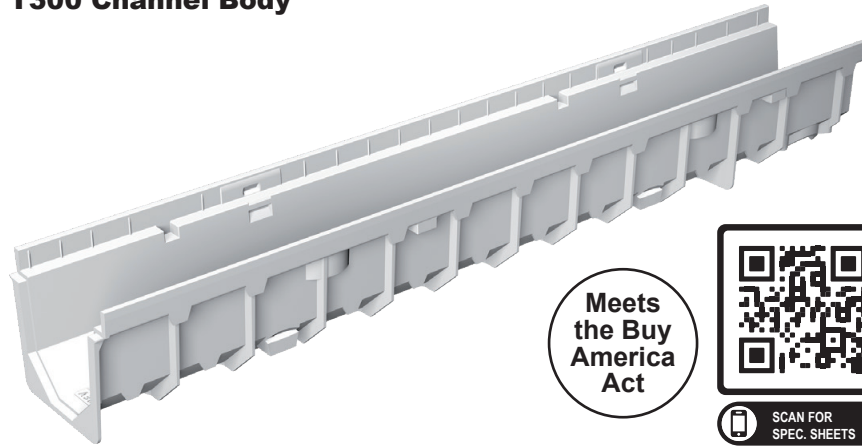
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T300 Channel Body



Meets the Buy America Act



SCAN FOR SPEC. SHEETS

T300-CB420 Catch Basin



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

NO EDGE RAILS (for up to and including Load Class B grates)		BODY TYPE	INVERT BODY DEPTH	OVERALL BODY DEPTH	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each (1 Meter long)	Neutral - 0%			GPM	Lbs.
T300-PB	\$346.00	Neutral	4.80"	5"	100	5.72
T300-SVF-3	\$156.00	Type 304 Stainless Steel veneer frame for T300 no edge channels, one meter long.				

CATCH BASINS FOR T300 CHANNELS

NO EDGE RAILS (for up to and including Load Class B grates)		BODY TYPE	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE)
Catch Basin Model #	List Price, Each (1/2 Meter long)	Neutral - 0%			Lbs.
T300-CB420	\$600.00	Neutral	13"	15.55"	8.80
T300-CB420-SB	\$180.00	Replacement sediment bucket			

NOTE: All catch basins are shipped with a sediment bucket.



MODEL #	DESCRIPTION	MATERIAL	LIST PRICE
MI-FLEX-300	3" Flexible rubber coupling to connect 3" No Hub horizontal channel outlets to drainage pipe	Rubber	\$25.00
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	\$30.25
T300-PBDS	Bottom Outlet Strainer	Stainless Steel	\$89.00
T300-PEO3	3" socket connection combination male end cap / end outlet, with connector	Plastic	\$44.00
T300-BO4	4" socket connection bottom outlet	Plastic	\$44.00
T300-REB	Replacement Installation Device. One provided at no charge with every T300 meter long channel. Available March, 2025	Plastic	\$12.75, each
T300-PEC	End cap for female end channels	Plastic	\$44.00

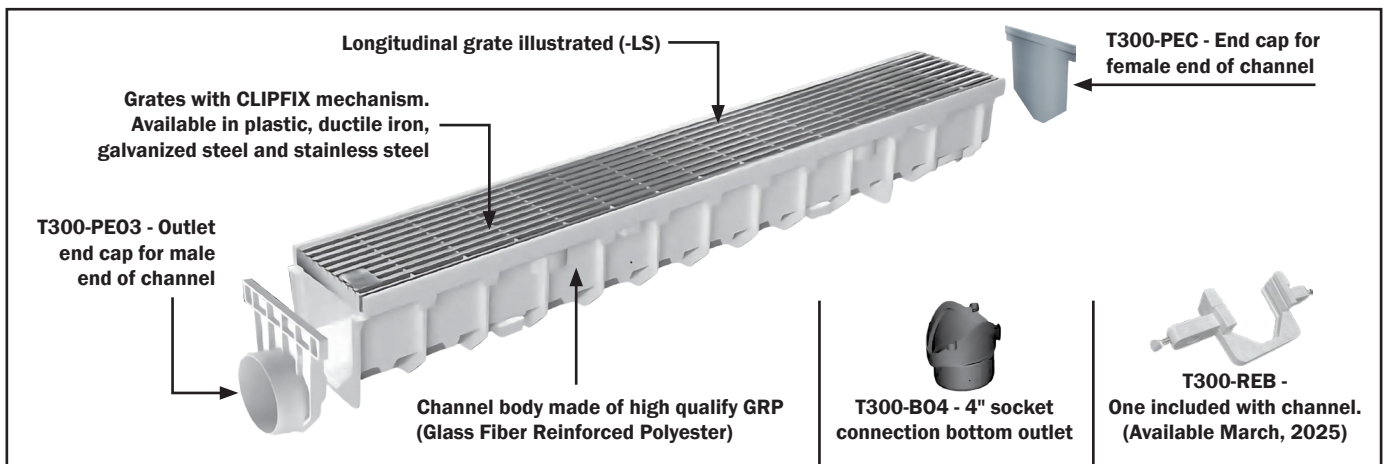
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LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I.

Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in. /ft.)
T100-PGA-13-FP	Class A Galvanized Perforated Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.85	8.08
T100-PGA-13-FP-500	Class A Galvanized Perforated Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.09	8.08
T100-PGA-3-FP	Class A Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.85	8.08
T100-PGA-3-FP-500	Class A Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.09	8.08
T100-PGA-13-FS	Class A Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.08	13.31
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.86	13.31
T100-PGA-3-FS	Class A Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.12	13.31
T100-PGA-3-FS-500	Class A Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.42	13.31
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$361.01	\$110.06	5.72	40.17
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$207.12	\$126.29	3.08	40.17
T100-PGA-HPP-BLK	Class A Plastic Longitudinal, Slotted Black Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56
T100-PGA-HPP-GRY	Class A Plastic Longitudinal, Slotted Grey Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56

LOAD CLASS B GRATES - EN 1433 - 28,100 LBS., 125kN, 580 P.S.I.

T100-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter	39.37" (1000)	\$178.37	\$54.38	8.80	28.05
T100-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	\$99.08	\$60.41	4.37	28.05
T100-PGB-3-WW	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1 meter	39.37" (1000)	\$1,233.16	\$375.96	8.80	26.52
T100-PGB-3-WW-500	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1/2 meter	19.69" (500)	\$873.35	\$532.53	4.37	26.52
T100-PGB-4	Class B Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$51.25	\$31.25	5.00	7.00



TYPICAL T300 INSTALLATIONS

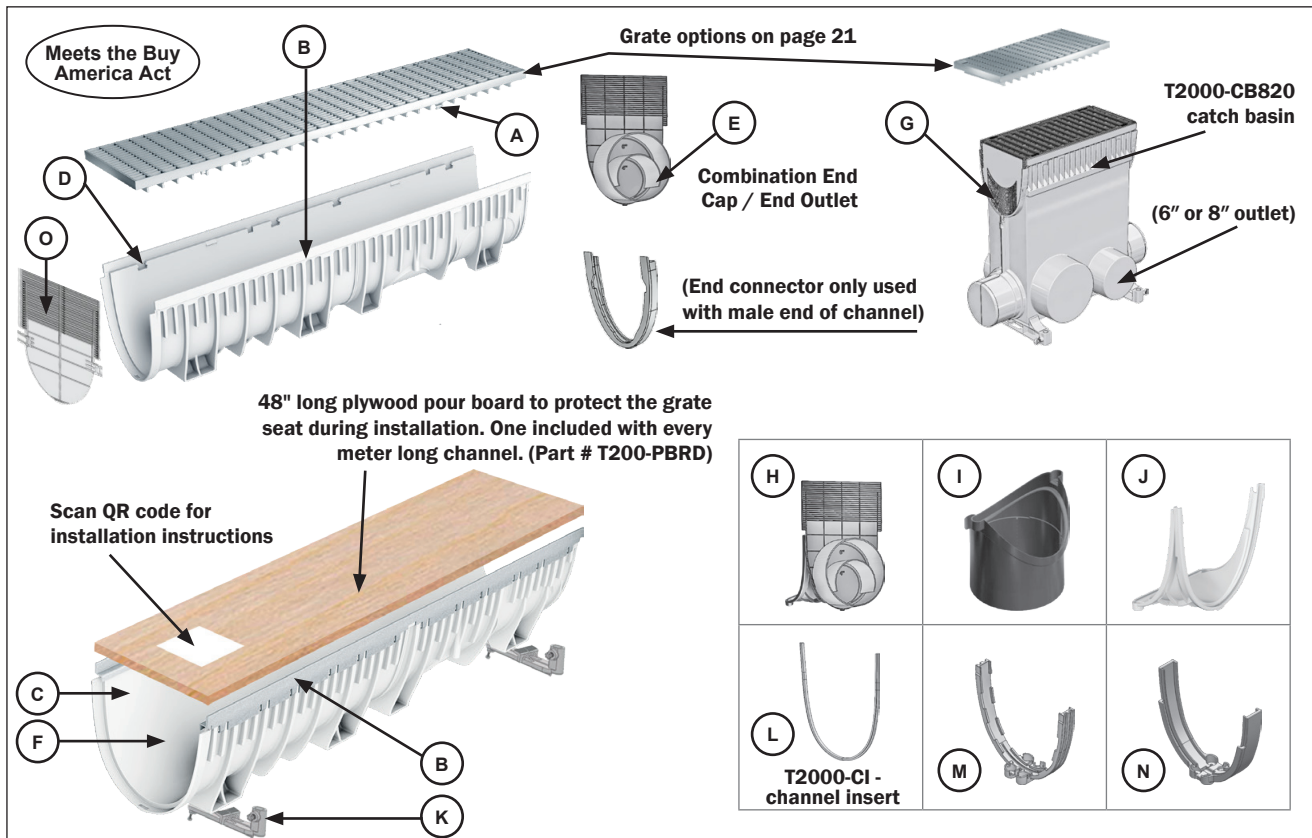


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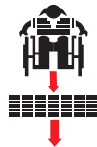
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T2000 SYSTEM COMPONENTS AND FEATURES


- A. Innovative CLIPFIX grate locking mechanism for plastic, ductile iron (up to and including Load Class E), galvanized and stainless steel grates. Innovative PROFIX grate locking mechanism and 4 bolt locking Load Class F ductile iron grates.
- B. GRP channels with no edge rails and also with 4mm thick galvanized and stainless steel and ductile iron frames as per EN 1433.
- C. High strength drainage channel body enables Load Class A 15kN to Load Class F 900 kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Socket connection combination 4" and 6" end cap / 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 Installation device attachment point.
- G. Two end caps, two rebar installation devices (T2000-CB820-REB) and one sediment bucket are provided with every catch basin to accept all channel depths.
- H. Side outlet. (Side channel connector and combination outlet).
- I. 4" and 6" socket connection bottom outlet.
- J. Side channel connector. (Used to receive channels and side outlet).
- K. Rebar installation devices (plastic). Two included with every meter long channel.
- L. Channel insert to fill sealant groove between channels (if required)
- M. T2000-PMCC. Male to male channel connector for one meter long T2000 and T2020 channels. (with four self tapping screws).
- N. T2000-PFMC. Female to male channel connector for 1 meter long T2000 channels. One provided at no charge with every T2000 meter long channel. (with four self tapping screws).
- O. End cap for female end of the channel for all channel depths (T2000-PEC).

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

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)".



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T2060 - 8" INTERNAL WIDTH - SHALLOW CHANNELS

T2060N-PB Shallow Channel

Meets the Buy America Act

4" No Hub bottom outlet

T2060N-PB-BO4 Shallow Channel with integral 4" outlet

T2000-CB820 Catch Basin

SCAN FOR SPEC. SHEETS

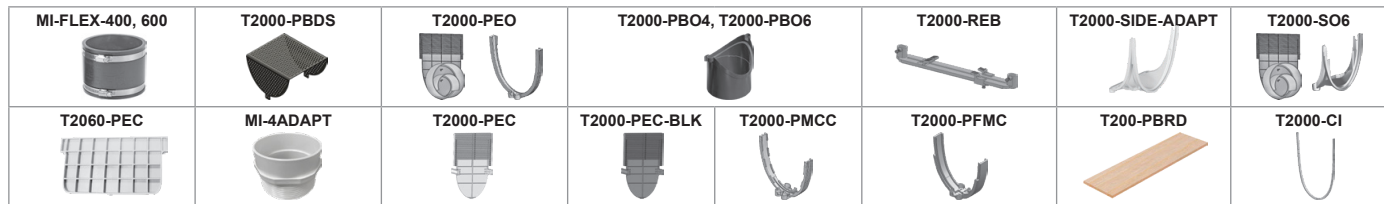
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NO EDGE RAILS (for up to and including Load Class C grates) Channel Model #	List Price, Each (1 Meter long)	BODY TYPE Neutral - 0%	INVERT BODY DEPTH	T2060N-REB (two stainless steel brackets with mounting hardware) \$31.00 for 2 pieces	T2060-CI - channel insert for T2060 shallow channels, if required. \$33.00 for bag of 10	OVERALL BODY DEPTH	MAXIMUM FLOW RATE GPM	WEIGHT (LESS GRATE) Lbs.	
T2060N-PB	\$578.81	Neutral	3.54"			3.94"	260	7.45	
T2060N-PB-500 (1/2 Meter long)	\$377.74	Neutral	3.54"			3.94"	260	3.73	
T2060N-PB-BO4	\$578.81	Neutral	3.54"			3.94"	260	7.45	
T2060N-SVF-3	\$173.78	Type 304 Stainless Steel veneer frame for T2060N no edge channels, one meter long.					Load Class F Ductile Iron frame for T2000 and T2060N channels Available March, 2025		
T2000-PFO-4	\$452.55	Load Class F Ductile Iron frame for T2000 and T2060N no edge channels, one meter long, (two pieces needed per channel)							

CATCH BASINS FOR T2000 AND T2060 CHANNELS

GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		DUCTILE IRON FRAME (for Load Class F grates)		BODY TYPE	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)	Catch Basin Model #	List Price, Each (1/2 Meter long)	Neutral - 0%			Lbs.
T2000-CB820-13	\$1,309.35	T2000-CB820	\$1,100.93	T2000-CB820-3	\$1,543.50	T2000-CB820-4	\$1,433.25	Neutral	29.50"	30.30"	82.75
Replacement sediment bucket		T2000-CB820-SB	\$310.80								

NOTE: The T2000-CB820 catch basin includes a sediment bucket, two end caps and two rebar installation devices.



MODEL #	DESCRIPTION	MATERIAL	LIST PRICE
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe	Rubber	\$30.25
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe	Rubber	\$67.50
T2000-PBDS	Bottom Outlet Strainer	Stainless Steel	\$118.00
T2000-PEO	4" and 6" socket connection combination male end cap / end outlet, with connector	Plastic	\$89.25
T2000-PEC	End cap for female end channels	Plastic	\$89.25
T2000-PEC-BLK	End cap for female end channels with ductile iron rails - black color	Plastic	\$89.25
T2000-PBO4	4" Socket connection bottom outlet	Plastic	\$89.25
T2000-PBO6	6" Socket connection bottom outlet	Plastic	\$89.25
T2000-REB	Replacement Installation Device. Two provided at no charge with every T2000 meter long channel	Plastic	\$52.50, each
T2000-SIDE-ADAPT	Side Outlet Adapter for T2000N, T2010N and T2020N channels	Plastic	\$89.25
T2000-SO6	Combination 4" or 6" Side Outlet Connector (T2000-SIDE-ADAPT & T2000-PEO for T2000N, T2010N and T2020N channels.)	Plastic	\$178.50
T2060-PEC	Closed End Cap for T2060N channels	Plastic	\$89.25
MI-4ADAPT	4" PVC x 4" N.P.T. adapter coupling to install around bottom outlet to connect to MIFAB® A1 body for waterproofing applications. (See page 42 for application)	Plastic	\$27.50
T2000-CI	Channel insert to fill expansion gap between channels (if required)	Plastic	\$33.00 / bag of 10
T2000-PMCC	Male to male channel connector for 1 meter long T2000 channels	Plastic	\$89.25
T2000-PFMC	Female to male channel connector for 1 meter long T2000 channels One provided at no charge with every T2000 meter long channel. (with four self tapping screws)	Plastic	\$89.25
T200-PBRD	Replacement 48" long plywood pour board to protect the channel during installation One included at no charge with every T2000 meter long channel	Plywood	\$26.25

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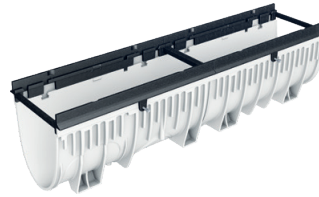
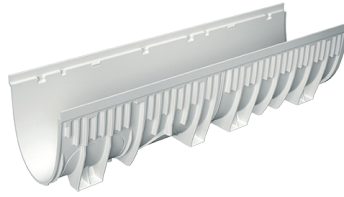
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SCAN FOR SPEC. SHEETS

T2000-PB-13, T2000-PB-3 Channels (with galvanized and stainless steel integral edge rails)

T2000-PB Channel (with no edge rail)

T2000-PB-4 Channel (with ductile iron frame)

GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates)		DUCTILE IRON FRAME (for Load Class F grates)		BODY TYPE	INVERT BODY DEPTH		OVERALL BODY DEPTH		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Channel Model #	List Price, Each (1 Meter long)	Sloped - .5% Neutral - 0%	E1 Min.	E2 Max.	E1 Min.	E2 Max.	GPM	Lbs.
T2000N-PB-13	\$828.00	T2000N-PB	\$623.00	T2000N-PB-3	\$1,883.00	T2000N-PB-4	\$1,075.00	Neutral	8.74"	8.74"	9.53"	9.53"	525	13.23
T2000N-PB-13-500 (half meter long channel)	\$497.00	T2000N-PB-500 (half meter long channel)	\$374.00	T2000N-PB-3-500 (half meter long channel)	\$1,130.00	T2000N-PB-4-500 (half meter long channel)	\$645.00	Neutral	8.74"	8.74"	9.53"	9.53"	525	7.39
T2000N-PB-13-500-DC (half meter long channel, direction change)	\$497.00	T2000N-PB-500-DC (half meter long channel, direction change)	\$374.00	T2000N-PB-3-500-DC (half meter long channel, direction change)	\$1,130.00	T2000N-PB-4-500-DC (half meter long channel, direction change)	\$645.00	Neutral	8.74"	8.74"	9.53"	9.53"	525	7.39
T2001-PB-13	\$828.00	T2001-PB	\$623.00	T2001-PB-3	\$1,883.00	T2001-PB-4	\$1,075.00	Sloped	8.74"	8.93"	9.53"	9.73"	580	13.36
T2002-PB-13	\$828.00	T2002-PB	\$623.00	T2002-PB-3	\$1,883.00	T2002-PB-4	\$1,075.00	Sloped	8.93"	9.13"	9.73"	9.93"	605	13.52
T2003-PB-13	\$828.00	T2003-PB	\$623.00	T2003-PB-3	\$1,883.00	T2003-PB-4	\$1,075.00	Sloped	9.13"	9.33"	9.93"	10.12"	632	13.69
T2004-PB-13	\$828.00	T2004-PB	\$623.00	T2004-PB-3	\$1,883.00	T2004-PB-4	\$1,075.00	Sloped	9.33"	9.53"	10.12"	10.32"	650	13.86
T2005-PB-13	\$828.00	T2005-PB	\$623.00	T2005-PB-3	\$1,883.00	T2005-PB-4	\$1,075.00	Sloped	9.53"	9.72"	10.32"	10.52"	686	14.03
T2006-PB-13	\$828.00	T2006-PB	\$623.00	T2006-PB-3	\$1,883.00	T2006-PB-4	\$1,075.00	Sloped	9.72"	9.92"	10.52"	10.71"	715	14.19
T2007-PB-13	\$828.00	T2007-PB	\$623.00	T2007-PB-3	\$1,883.00	T2007-PB-4	\$1,075.00	Sloped	9.92"	10.12"	10.71"	10.91"	759	14.36
T2008-PB-13	\$828.00	T2008-PB	\$623.00	T2008-PB-3	\$1,883.00	T2008-PB-4	\$1,075.00	Sloped	10.12"	10.31"	10.91"	11.11"	789	14.53
T2009-PB-13	\$828.00	T2009-PB	\$623.00	T2009-PB-3	\$1,883.00	T2009-PB-4	\$1,075.00	Sloped	10.31"	10.51"	11.11"	11.30"	819	14.70
T2010-PB-13	\$828.00	T2010-PB	\$623.00	T2010-PB-3	\$1,883.00	T2010-PB-4	\$1,075.00	Sloped	10.51"	10.71"	11.30"	11.50"	850	14.86
T2010N-PB-13	\$828.00	T2010N-PB	\$623.00	T2010N-PB-3	\$1,793.25	T2010N-PB-4	\$1,075.00	Neutral	10.71"	10.71"	11.50"	11.50"	850	15.65
T2010N-PB-13-500 (half meter long channel)	\$497.00	T2010N-PB-500 (half meter long channel)	\$374.00	T2010N-PB-3-500 (half meter long channel)	\$1,130.00	T2010N-PB-4-500 (half meter long channel)	\$645.00	Neutral	10.71"	10.71"	11.50"	11.50"	850	7.83
T2010N-PB-13-500-DC (half meter long channel, direction change)	\$497.00	T2010N-PB-500-DC (half meter long channel, direction change)	\$374.00	T2010N-PB-3-500-DC (half meter long channel, direction change)	\$1,130.00	T2010N-PB-4-500-DC (half meter long channel, direction change)	\$645.00	Neutral	10.71"	10.71"	11.50"	11.50"	850	7.83
T2011-PB-13	\$828.00	T2011-PB	\$623.00	T2011-PB-3	\$1,883.00	T2011-PB-4	\$1,075.00	Sloped	10.71"	10.90"	11.50"	11.70"	881	15.03
T2012-PB-13	\$828.00	T2012-PB	\$623.00	T2012-PB-3	\$1,883.00	T2012-PB-4	\$1,075.00	Sloped	10.90"	11.10"	11.70"	11.89"	915	15.20
T2013-PB-13	\$828.00	T2013-PB	\$623.00	T2013-PB-3	\$1,883.00	T2013-PB-4	\$1,075.00	Sloped	11.10"	11.30"	11.89"	12.09"	948	15.37
T2014-PB-13	\$828.00	T2014-PB	\$623.00	T2014-PB-3	\$1,883.00	T2014-PB-4	\$1,075.00	Sloped	11.30"	11.49"	12.09"	12.29"	983	15.53
T2015-PB-13	\$828.00	T2015-PB	\$623.00	T2015-PB-3	\$1,883.00	T2015-PB-4	\$1,075.00	Sloped	11.49"	11.69"	12.29"	12.49"	1018	15.70
T2016-PB-13	\$828.00	T2016-PB	\$623.00	T2016-PB-3	\$1,883.00	T2016-PB-4	\$1,075.00	Sloped	11.69"	11.89"	12.49"	12.68"	1052	15.87
T2017-PB-13	\$828.00	T2017-PB	\$623.00	T2017-PB-3	\$1,883.00	T2017-PB-4	\$1,075.00	Sloped	11.89"	12.08"	12.68"	12.88"	1119	16.04
T2018-PB-13	\$828.00	T2018-PB	\$623.00	T2018-PB-3	\$1,883.00	T2018-PB-4	\$1,075.00	Sloped	12.08"	12.28"	12.88"	13.08"	1155	16.20
T2019-PB-13	\$828.00	T2019-PB	\$623.00	T2019-PB-3	\$1,883.00	T2019-PB-4	\$1,075.00	Sloped	12.28"	12.48"	13.08"	13.27"	1194	16.37
T2020-PB-13	\$828.00	T2020-PB	\$623.00	T2020-PB-3	\$1,883.00	T2020-PB-4	\$1,075.00	Sloped	12.48"	12.67"	13.27"	13.47"	1233	16.54
T2020N-PB-13	\$828.00	T2020N-PB	\$623.00	T2020N-PB-3	\$1,793.25	T2020N-PB-4	\$1,075.00	Neutral	12.67"	12.67"	13.47"	13.47"	1233	17.50
T2020N-PB-13-500 (half meter long channel)	\$497.00	T2020N-PB-500 (half meter long channel)	\$374.00	T2020N-PB-3-500 (half meter long channel)	\$1,130.00	T2020N-PB-4-500 (half meter long channel)	\$645.00	Neutral	12.67"	12.67"	13.47"	13.47"	1233	8.75
T2020N-PB-13-500-DC (half meter long channel, direction change)	\$497.00	T2020N-PB-500-DC (half meter long channel, direction change)	\$374.00	T2020N-PB-3-500-DC (half meter long channel, direction change)	\$1,130.00	T2020N-PB-4-500-DC (half meter long channel, direction change)	\$645.00	Neutral	12.67"	12.67"	13.47"	13.47"	1233	8.75

AVAILABLE MARCH, 2025

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

LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I.

Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in. /ft.)
T200-PGA-13-GM	Class A Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$357.70	\$109.05	13.13	78.78
T200-PGA-13-GM-500	Class A Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$247.35	\$150.82	6.82	78.78
T200-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$2,046.58	\$623.96	13.13	78.78
T200-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$1,217.33	\$742.27	6.82	78.78

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)	\$403.20	\$122.93	16.02	51.25
T200-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	\$262.24	\$159.90	8.38	51.25
T200-PGB-3-WW	Class B Stainless Longitudinal, anti slip WW grate, 1 meter	39.37" (1000)	\$2,046.58	\$623.96	16.32	48.78
T200-PGB-3-WW-500	Class B Stainless Longitudinal, anti slip WW grate, 1/2 meter	19.69" (500)	\$1,217.33	\$742.27	8.31	48.78

LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 1,160 P.S.I.

T200-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$762.98	\$232.62	24.33	70.46
T200-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$465.26	\$283.70	11.66	70.46
T200-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$2,516.13	\$767.11	24.33	70.46
T200-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$1,621.50	\$988.72	11.66	70.46
T200-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter	39.37" (1000)	\$401.87	\$122.52	47.08	12.01
T200-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	19.69" (500)	\$326.24	\$198.93	23.54	12.01
T200-PGC-13-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$716.63	\$436.97	43.78	6.01
T200-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter	39.37" (1000)	\$856.37	\$261.09	47.08	12.01
T200-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	19.69" (500)	\$644.27	\$392.85	23.54	12.01
T200-PGC-3-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$1,350.56	\$823.51	43.78	6.01
T200-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$119.63	\$72.95	13.79	50.68
T200-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.79	10.94
T200-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.86	47.73
T200-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.64	28.19

LOAD CLASS D GRATES - EN 1433 - 89,920 LBS., 400kN, 1856 P.S.I

T200-SCD-4-PX	Class D Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	\$142.92	\$87.15	26.00	-
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LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,785 P.S.I.

T200-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$205.07	\$125.04	19.25	51.20
T200-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	19.25	51.20
T200-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	13.79	14.17
T200-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	21.25	26.72
T200-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$495.52	\$302.15	21.25	26.72
T200-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter	39.37" (1000)	\$2,500.00	\$762.19	75.00	50.46
T200-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter	19.69" (500)	\$1,500.00	\$914.63	40.00	50.46

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)	\$215.00	\$131.10	22.00	48.30
T200-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$303.19	\$184.87	22.00	48.30
T200-PGF-4-B	Class F Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$215.00	\$131.10	22.00	48.30
T200-PGF-4-B-13	Class F Galvanized Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$303.19	\$184.87	22.00	48.30
T200-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$319.73	\$194.96	24.00	32.33
T200-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$441.00	\$268.90	24.00	32.33

NOTE:
ONLY AVAILABLE WITH DUCTILE IRON FRAME CHANNELS.

Avail. March, 2025

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

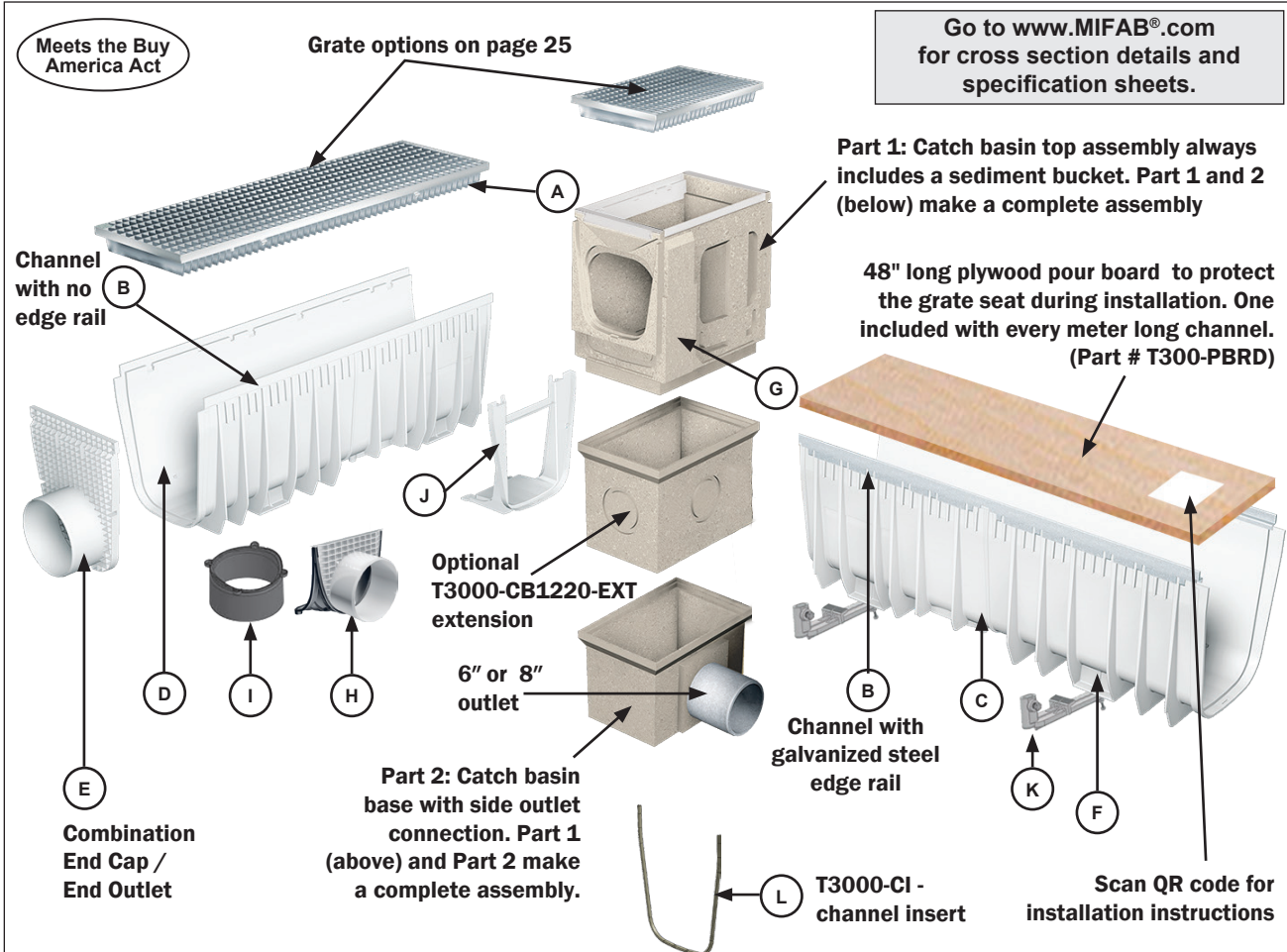
Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

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.

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sales@mifab.com Canada Toll Free: 1-800-387-3880

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T3000 SYSTEM COMPONENTS AND FEATURE


- A. Innovative CLIPFIX grate locking mechanism for plastic, ductile iron (up to and including Load Class E), galvanized and stainless steel grates.
- B. GRP channels with no edge rails and also with 4mm thick galvanized steel edge rails as per EN 1433.
- C. High strength drainage channel body enables Load Class A 15kN to Load Class E 600kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Socket connection combination end cap / 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 Installation device attachment point.
- G. Catch basin top assembly to connect to channel.
- H. Side outlet. (Side channel connector and combination outlet).
- I. 6" or 8" socket connection bottom outlet.
- J. Side channel connector.
- K. Rebar installation devices (plastic). Two included with every meter long channel.
- L. Channel insert to fill sealant groove between channels (if required).



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.



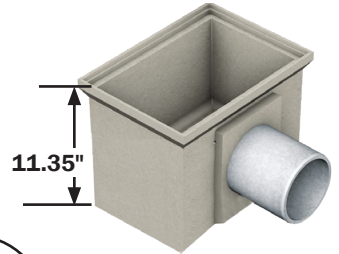
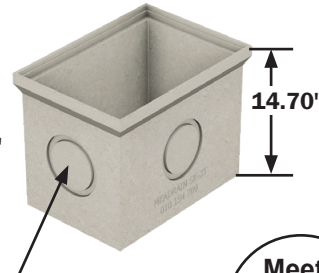
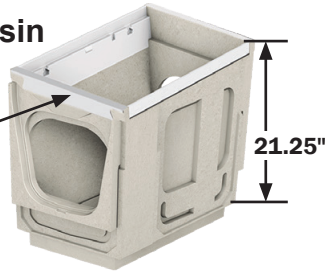
HEELPROOF



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")."

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CATCH BASINS FOR T3000 CHANNELS
**T3000-CB1220 Catch Basin
(Polymer Concrete)**

 Edge rails available in GRP
and galvanized steel

 Optional T3000-CB1220-EXT
extension

 Meets
the Buy
America
Act

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

GALVANIZED STEEL INTEGRAL RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE) Lbs.
Catch Basin Model #	List Price, Each (1/2 Meter long)	Catch Basin Model #	List Price, Each (1/2 Meter long)			
T3000-CB1220-13-SO6	\$1,793.00	T3000-CB1220-SO6	\$1,483.00	32.45"	32.60"	152.03
T3000-CB1220-13-SO8	\$1,793.00	T3000-CB1220-SO8	\$1,483.00	32.45"	32.60"	152.03
Optional extension piece to install between base & top assembly for deeper inverts.		T3000-CB1220-EXT	\$860.75	13.78"	14.70"	48.50
Replacement sediment bucket.		T3000-CB1220-SB	\$408.75			

NOTE: The T3000-CB1220 catch basin includes the base and top assembly.

MI-FLEX-600, 800	T3000-PBDS	T3000-PEO8 End Cap / End Outlet, 8" socket connection	T3000-PBO6 T3000-PBO8 Socket Connection Bottom Outlet - 6" or 8"	T3000-REB (Installation Device) Two devices provided with every channel	T3000-SIDE-ADAPT Side channel adapter	T3000-SO8 Side outlet connector & End Outlet assembled together - T3000-SO8	T3000-CI - channel insert	T300-PBRD

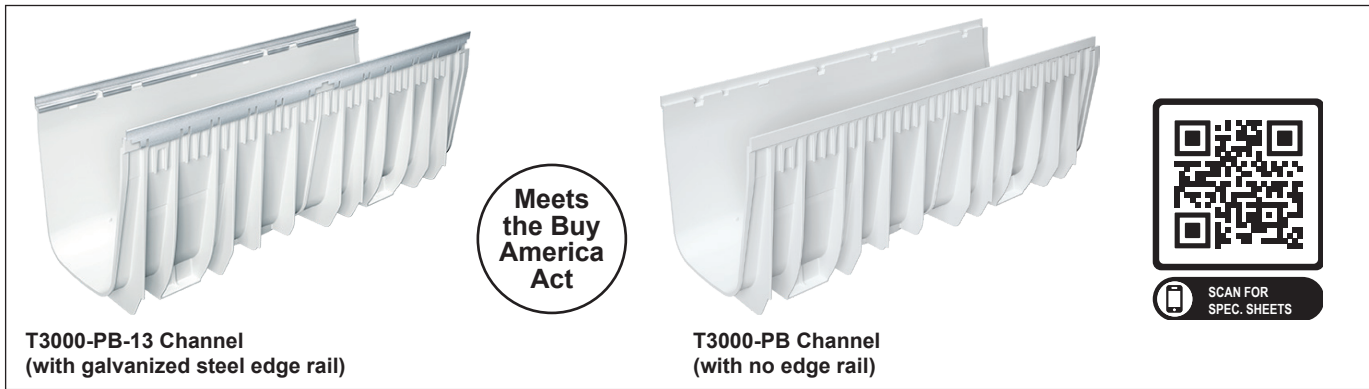
MODEL #	DESCRIPTION	MATERIAL	LIST PRICE
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical channel outlet to drainage pipe	Rubber	\$67.25
MI-FLEX-800	8" Flexible rubber coupling to connect 8" No Hub vertical and horizontal channel outlets to drainage pipe	Rubber	\$100.00
T3000-PBDS	Bottom Outlet Strainer	Stainless Steel	\$359.00
T3000-PEO8	8" socket connection combination end cap / end outlet	Plastic	\$310.75
T3000-PBO6	6" socket connection bottom outlet	Plastic	\$310.75
T3000-PBO8	8" socket connection bottom outlet	Plastic	\$310.75
T3000-REB	Replacement Installation Device	Galvanized Steel	\$61.00, each
T3000-SO8	8" Side Outlet Connector	Plastic	\$421.00
T3000-SIDE-ADAPT	Side Channel adapter	Plastic	\$110.25
T3000-CI	Channel insert to fill expansion gap between channels (if required)	Plastic	\$33.00 / bag of 10
T300-PBRD	Replacement 48" long plywood pour board to protect the channel during installation. One included with every meter long channel	Plywood	\$36.75

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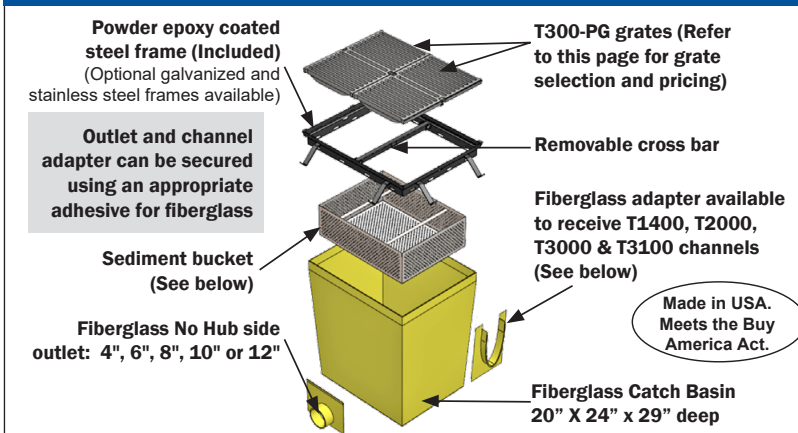
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T3000 GRP Channels


GALVANIZED STEEL INTEGRAL RAILS (for up to and including Load Class E grates)		NO EDGE RAILS (for up to and including Load Class C grates)		BODY TYPE	INVERT BODY DEPTH	OVERALL BODY 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%			GPM	Lbs.
T3000N-PB-13	\$1025.00	T3000N-PB	\$769.25	Neutral	14.17"	15.63"	3245	26.01
T3000N-PB-500-13	\$615.00 (half meter long channel)	T3000N-PB-500	\$461.50 (half meter long channel)	Neutral	14.17"	15.63"	3245	15.12
T3000N-PB-500-DC-13	\$615.00 (half meter long channel, direction change)	T3000N-PB-500-DC	\$461.50 (half meter long channel, direction change)	Neutral	14.17"	15.63"	3245	15.12

Type 304 Stainless Steel veneer frame for T3000N no edge channels, one meter long is available. Add \$210.00 List Price per meter to no edge channel price.

T2000-CB2024 - 20" X 24" CATCH BASIN FOR T1400, T2000, T3000 & T3100 CHANNELS


Suggested adhesives for fiberglass

GORILLA Construction Adhesive:
Heavy Duty, 9 fluid ounces, Cartridge, White

LOCTITE Construction Adhesive:
Power Grab, 10 fluid ounces, Cartridge, White

MODEL #	LIST PRICE
T2000-CB2024 (includes powder epoxy coated steel frame. Grates not included)	\$1,574.50
T2000-CB2024-13 (includes galvanized steel frame. Grates not included)	\$2,000.00
T2000-CB2024-3 (includes stainless steel frame. Grates not included)	\$2,500.00

Catch basin with extension riser. Overall depth of 55"	LIST PRICE
T2000-CB2024-55 (includes powder epoxy coated steel frame. Grates not included)	\$1,650.00
T2000-CB2024-55-13 (includes galvanized steel frame. Grates not included)	\$3,000.00
T2000-CB2024-55-3 (includes stainless steel frame. Grates not included)	\$3,750.00

OUTLET CONNECTIONS	
T2000-CB2024-PEO4 - 4"	\$63.00
T2000-CB2024-PEO6 - 6"	\$63.00
T2000-CB2024-PEO8 - 8"	\$84.00
T2000-CB2024-PEO10 - 10"	\$105.00
T2000-CB2024-PEO12 - 12"	\$157.50

CHANNEL ADAPTERS	
T1400-CB2024-ADAPT	\$120.00
T2000-CB2024-ADAPT	\$120.00
T3000-CB2024-ADAPT	\$120.00
T3100-CB2024-ADAPT	\$120.00

OPTIONAL VARIATIONS	
MODEL #	LIST PRICE
Powder epoxy coated steel sediment bucket (Part # T2000-CB2024-SB)	\$409.50
Stainless Steel Sediment Bucket (Part # T2000-CB2024-SB-3)	\$1,114.00

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LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 967 P.S.I.

Grate Part #	Description		Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in. /ft.)	
T300-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter		39.37" (1000)	\$1,538.21	\$468.97	68.53	109.78	
T300-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	\$738.13	\$450.08	36.82	109.78	
T300-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	\$3,251.49	\$991.31	68.53	109.78	
T300-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	\$2,564.75	\$1,563.87	36.82	109.78	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$149.94	\$91.43	29.23	77.02	
T300-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	\$246.79	\$150.48	29.23	21.59	
T300-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	\$455.16	\$277.54	34.10	84.63	

LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,321 P.S.I.

T300-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$273.42	\$166.72	42.02	77.02	
T300-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$330.75	\$201.68	42.02	77.02	
T300-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	\$410.13	\$250.08	42.02	21.39	
T300-PGE-4-ADA	Class E Ductile Iron Longitudinal Slotted Grate, 1/2 meter		19.69" (500)	\$410.13	\$250.08	63.80	19.07	
T300-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Slotted Grate, 1/2 meter		19.69" (500)	\$496.13	\$302.52	63.80	19.07	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter	 	19.69" (500)	\$410.69	\$250.42	66.00	-	



See page 22 for explanation of ADA compliant grates



See page 22 for explanation of Heelproof compliant grates

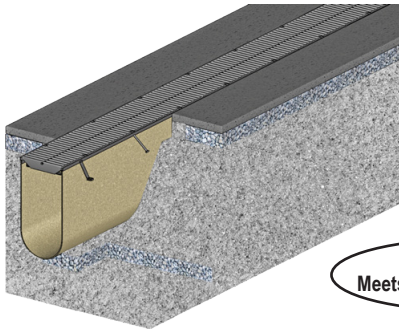
Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

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Made in USA.
Meets the Buy America Act.

Specification: MIFAB® Series MIFAB® Series T3100, 12" internal width, fiberglass presloped (1%) trench drain system with optional grates (see page 27). Channels are available in one and two meter lengths. Powder, acid resistant epoxy coated steel frame is standard with all channels. Galvanized steel and stainless steel frames are also available. Bottom and end outlets are available in 6", 8" or 10" no hub outlet connections. Catch basin is available to suit all channel depths.

FUNCTION: The MIFAB® T3100 Series is ideal for projects that require longer sloping runs and increased discharge capacity within the trench drain system.

ACCESSORIES

		LIST PRICE (ADD)
-3	Stainless steel frame	\$490.50 / foot
-13	Galvanized steel frame	\$87.25 / foot
-PBO	6", 8", 10" or 12" No Hub bottom outlet (T3100-PBO6, T3100-PBO8, T3100-PB10 and T3100-PB12)	\$311.00
-PEC	Closed End Cap for male end channels (T3100-PEC)	\$259.50
-PECF	End Cap for female end channels (T3100-PECF)	\$259.50
-PEIF	6", 8" or 10" No Hub end Inlet for female end channels (T3100-PEIF6, 8 or 10)	\$311.00
-PEO	6", 8", 10" or 12" No Hub End Outlet (T3100-PEO6, T3100-PEO8, T3100-PEO10 and T3100-PEO12)	\$311.00
See page 24 for the T2000-CB2024 catch basin description, accessories and List Prices.		
Catch Basin	Powder epoxy coated steel sediment bucket (Part # T2000-CB2024-SB)	\$409.50
	Stainless Steel Sediment Bucket (Part # T2000-CB2024-SB-3)	\$1,114.00
	Stainless steel frame for catch basin	\$1,416.50
	Galvanized steel frame for catch basin	\$259.50

CHANNEL#	LENGTH	SHALLOW INVERT	DEEP INVERT	LIST PRICE / EACH CHANNEL	LIST PRICE / FOOT
T3100N	78.74" (2m)	8"	8"	\$2,050.00	\$312.50
T3100N-1M	39.37" (1m)	8"	8"	\$1025.00	\$312.50
T3101	78.74" (2m)	8"	8.85"	\$2,050.00	\$312.50
T3102	78.74" (2m)	8.85"	9.70"	\$2,050.00	\$312.50
T3103	78.74" (2m)	9.70"	10.55"	\$2,050.00	\$312.50
T3104	78.74" (2m)	10.55"	11.40"	\$2,050.00	\$312.50
T3105	78.74" (2m)	11.40"	12.25"	\$2,050.00	\$312.50
T3105N	78.74" (2m)	12.25"	12.25"	\$2,050.00	\$312.50
T3105N-1M	39.37" (1m)	12.25"	12.25"	\$1025.00	\$312.50
T3106	78.74" (2m)	12.25"	13.10"	\$2,050.00	\$312.50
T3107	78.74" (2m)	13.10"	13.95"	\$2,050.00	\$312.50
T3108	78.74" (2m)	13.95"	14.80"	\$2,050.00	\$312.50
T3109	78.74" (2m)	14.80"	15.65"	\$2,050.00	\$312.50
T3110	78.74" (2m)	15.65"	16.50"	\$2,050.00	\$312.50
T3110N	78.74" (2m)	16.50"	16.50"	\$2,050.00	\$312.50
T3110N-1M	39.37" (1m)	16.50"	16.50"	\$1025.00	\$312.50
T3111	78.74" (2m)	16.50"	17.35"	\$2,050.00	\$312.50
T3112	78.74" (2m)	17.35"	18.20"	\$2,050.00	\$312.50
T3113	78.74" (2m)	18.20"	19.05"	\$2,050.00	\$312.50
T3114	78.74" (2m)	19.05"	19.90"	\$2,050.00	\$312.50
T3115	78.74" (2m)	19.90"	20.75"	\$2,050.00	\$312.50
T3115N	78.74" (2m)	20.75"	20.75"	\$2,050.00	\$312.50
T3115N-1M	39.37" (1m)	20.75"	20.75"	\$1025.00	\$312.50
T3116	78.74" (2m)	20.75"	21.60"	\$2,050.00	\$312.50
T3117	78.74" (2m)	21.60"	22.45"	\$2,050.00	\$312.50
T3118	78.74" (2m)	22.45"	23.30"	\$2,050.00	\$312.50
T3119	78.74" (2m)	23.30"	24.15"	\$2,050.00	\$312.50
T3120	78.74" (2m)	24.15"	25"	\$2,050.00	\$312.50
T3120N	78.74" (2m)	25"	25"	\$2,050.00	\$312.50
T3120N-1M	39.37" (1m)	25"	25"	\$1025.00	\$312.50
T3121	78.74" (2m)	25"	25.85"	\$2,050.00	\$312.50
T3122	78.74" (2m)	25.85"	26.70"	\$2,050.00	\$312.50
T3123	78.74" (2m)	26.70"	27.55"	\$2,050.00	\$312.50
T3124	78.74" (2m)	27.55"	28.40"	\$2,050.00	\$312.50
T3125	78.74" (2m)	28.40"	29.25"	\$2,050.00	\$312.50
T3125N	78.74" (2m)	29.25"	29.25"	\$2,050.00	\$312.50
T3125N-1M	39.37" (1m)	29.25"	29.25"	\$1025.00	\$312.50
T3126	78.74" (2m)	29.25"	30.10"	\$2,050.00	\$312.50
T3127	78.74" (2m)	30.10"	30.95"	\$2,050.00	\$312.50
T3128	78.74" (2m)	30.95"	31.80"	\$2,050.00	\$312.50
T3129	78.74" (2m)	31.80"	32.65"	\$2,050.00	\$312.50
T3130	78.74" (2m)	32.65"	33.50"	\$2,050.00	\$312.50
T3130N	78.74" (2m)	33.50"	33.50"	\$2,050.00	\$312.50
T3130N-1M	39.37" (1m)	33.50"	33.50"	\$1025.00	\$312.50

NOTE: Flow rate information per channel section is available on the www.MIFAB.com website

NOTE: Custom lengths, widths, depths, slopes & profiles available upon request. Contact MIFAB®.

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

LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 967 P.S.I.

Grate Part #	Description		Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in. ft.)	
T300-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter		39.37" (1000)	\$1,538.21	\$468.97	68.53	109.78	
T300-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	\$738.13	\$450.08	36.82	109.78	
T300-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	\$3,251.49	\$991.31	68.53	109.78	
T300-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	\$2,564.75	\$1,563.87	36.82	109.78	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$149.94	\$91.43	29.23	77.02	
T300-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	\$246.79	\$150.48	29.23	21.59	
T300-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	\$455.16	\$277.54	34.10	84.63	

LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,321 P.S.I.

T300-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$273.42	\$166.72	42.02	77.02	
T300-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	\$330.75	\$201.68	42.02	77.02	
T300-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	\$410.13	\$250.08	42.02	21.39	
T300-PGE-4-ADA	Class E Ductile Iron Longitudinal Slotted Grate, 1/2 meter		19.69" (500)	\$410.13	\$250.08	63.80	19.07	
T300-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Slotted Grate, 1/2 meter			19.69" (500)	\$496.13	\$302.52	63.80	19.07
T300-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter		39.37" (1000)	\$3,500.00	\$1,067.07	100.00	73.63	
T300-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter Grate, 1/2 meter		19.69" (500)	\$2,100.00	\$1,280.48	60.00	73.63	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter		19.69" (500)	\$410.69	\$250.42	66.00	-	

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

T300-PGF-4-B	Class F Ductile Iron Slotted 4 Bolt Grate, 1/2 meter		19.69" (500)	\$336.00	\$204.77	48.23	72.41	
T300-PGF-4-B-13	Class F Galvanized Ductile Iron Slotted 4 Bolt Grate, 1/2 meter		19.69" (500)	\$456.75	\$278.36	48.23	72.41	

Note: These 4 bolt grates are only to be used with the T3100 and T3200 systems - pages 26 and 28.

See page 22 for explanation of ADA compliant grates

See page 22 for explanation of Heelproof compliant grates

Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

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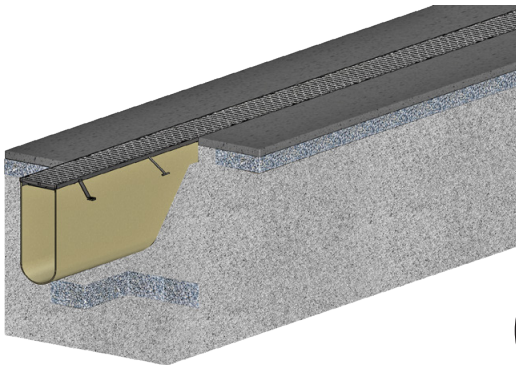
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Due to the complexity of some projects, a standard off the shelf system may not meet the project needs. MIFAB® has developed an 8" (T2200) and 12" (T3200) internal width fiberglass (FRP) trench system. Depending on the application, MIFAB® is able to build these channel systems utilizing many different resins to meet site-specific requirements. MIFAB®'s sales and engineering team will work with you to design and develop a system to meet your project needs.

The considerations are typically around long continuous sloping trench drain runs. These systems are able to accommodate changes of direction; primarily 45 and 90 degree bends and tees or whatever the project demands. We are able to produce the 8" system in depths of up to 48" and the 12" system in depths of up to 60".

Accompanying the trench system, the frames are made from either powder epoxy coated steel, galvanized steel and / or stainless steel; depending on the project requirements. All accessories are available including inlet caps, end caps, end outlets, bottom outlets and catch basins. Grates are available in load classes from A to F and are manufactured using ductile iron, galvanized steel, stainless steel and / or fiberglass.

T2200 - 8" INTERNAL WIDTH, PRESLOPED, FIBERGLASS HIGH CAPACITY TRENCH DRAIN SYSTEM



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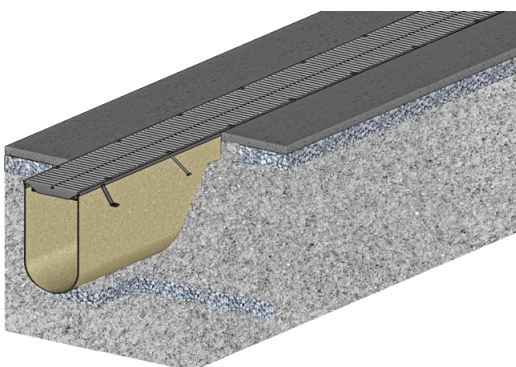
Specification: MIFAB® Series T2200 - 8" internal width trench drain manufactured from fiberglass channels, fabricated metal frames (specify powder coated steel, galvanized steel or stainless steel) and grates (specify ductile iron, galvanized steel, stainless steel or fiberglass in required Load Class and profile). Channels and frames are available in up to 20' long sections and channel depths range from 8" to 48". Field assembly of frames to top of channels is required by others. No hub end outlets are available up to 8". T2000-CB2024 catch basins are also available (see page 24).

Function: Ideal for projects that have large amounts of water to contain or drain within a long, continuous sloped trench drain system. Channel depths of up to 48" provide high volume drainage capacity.

See Page 20 for T200 Series grates for the T2200 channels.

Note: -PX Load Class F grates are not available with the T2200

T3200 - 12" INTERNAL WIDTH, PRESLOPED, FIBERGLASS HIGH CAPACITY TRENCH DRAIN SYSTEM



Made in USA.
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America Act.

Specification: MIFAB® Series T3200 - 12" internal width trench drain manufactured from fiberglass channels, fabricated metal frames (specify powder coated steel, galvanized steel or stainless steel) and grates (specify ductile iron, galvanized steel, stainless steel or fiberglass in required Load Class and profile).

Channels and frames are available in up to 20' long sections and channel depths range from 8" to 60". Field assembly of frames to top of channels is required by others. No hub end outlets are available up to 10". T2000-CB2024 catch basins are also available (see page 24).

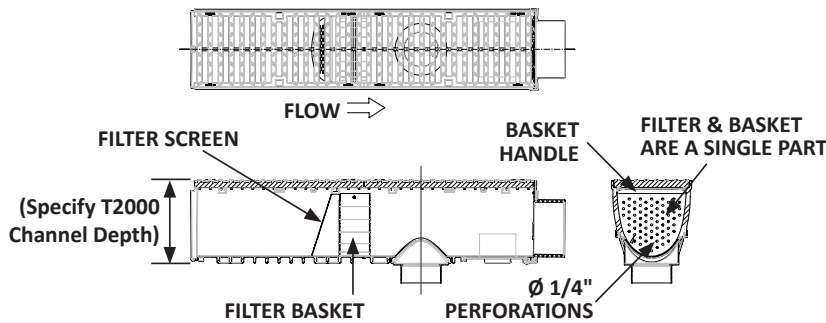
Function: Ideal for projects that have large amounts of water to contain or drain within a long, continuous sloped trench drain system. Channel depths of up to 60" provide high volume drainage capacity.

Pricing available for T2200 and T3200 systems once all information is supplied. Engineering drawings will be generated to confirm requirements and production will commence after signed off drawings are received.

Note: See Page 27 for T300 Series grates for the T3200 channels.

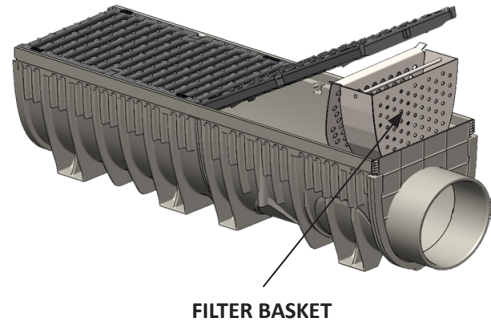
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SPECIFICATION: MIFAB® T2000-LT 8" internal width lint trough manufactured from glass fiber reinforced polyester (GRP) with GRP edge, (specify grates required), 4" or 6" no hub end outlets, 4" or 6" Schedule 40 PVC socket connection end outlets, and removable, corrosion resistant primary filter screen and secondary filter basket. Neutral sloped channels are ideal for above or below grade installation. Maximum working temperature (constant flow) of 212° Fahrenheit (100° C) and intermittent flow of 392° Fahrenheit (200° C).



Filter Basket only	LIST PRICE \$1,050.00
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Note: See pages 18 - 21 for T2000 channels, grates and accessories to add to the Filter Basket price.



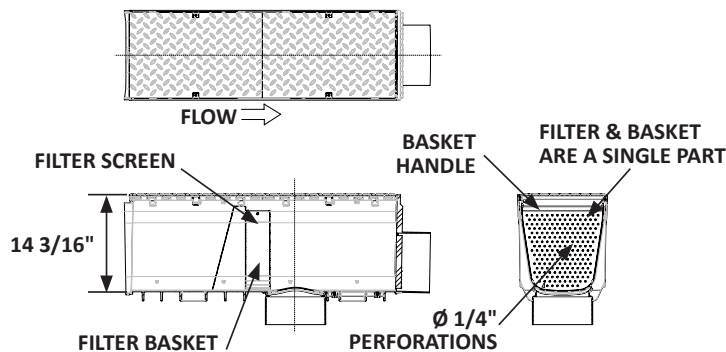
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Note: See page 19 for accessories for the T2000-LT.

Note: Contact MIFAB® for System Design and Pricing.

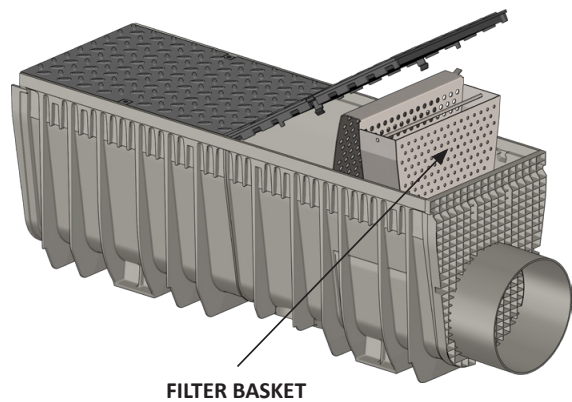
T3000-LT - 12" INTERNAL WIDTH, GRP LINT TROUGH

SPECIFICATION: MIFAB® T3000-LT, 12" internal width lint trough manufactured from glass fiber reinforced polyester (GRP) with GRP edge, (specify grates required), 8" Schedule 40 PVC socket connection end outlet, and removable, corrosion resistant primary filter screen and secondary filter basket. Neutral sloped channels are ideal for above or below grade installation. Maximum working temperature (constant flow) of 212° Fahrenheit (100° C) and intermittent flow of 392° Fahrenheit (200° C).



Filter Basket only	LIST PRICE \$1,365.00
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Note: See pages 22 - 25 for T3000 channels, grates and accessories to add to the Filter Basket price.



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Note: See page 23 for accessories for the T3000-LT.

Note: Contact MIFAB® for System Design and Pricing.

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T1400-F - 4" INTERNAL WIDTH, FRAME

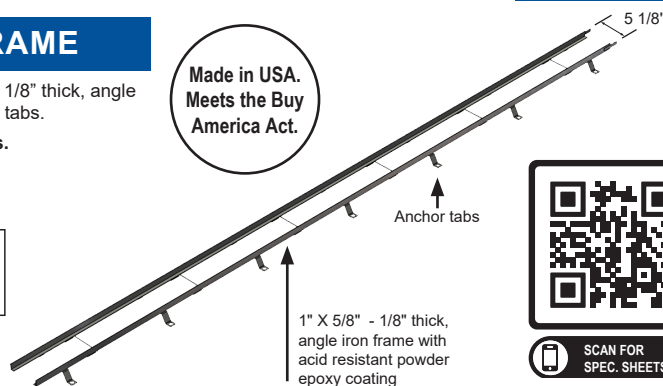
SPECIFICATION: MIFAB® Series T1400-F, 4" internal width 1" X 5/8" – 1/8" thick, angle iron frame with acid resistant powder epoxy coating and 1" X 3" anchor tabs.

Frames can accommodate all T100 Series ClipFix self locking grates.

Note: Must order in 19.69" (1/2 meter) long increments.
9.84 foot long (3 meter) sections are standard.



Frames are manufactured per order.



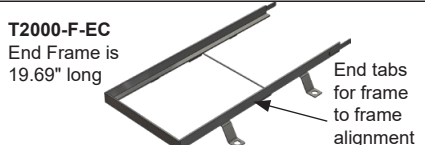
Model Number	Description	List Price
T1400-F	4" internal width, powder epoxy coated steel frame	\$151.75/ Foot
T1400-F-13	4" internal width, galvanized steel frame	\$259.25/ Foot
T1400-F-EC	4" internal width, powder epoxy coated steel end frame, with two securing screws	\$61.00, each
T1400-F-EC-13	4" internal width, galvanized steel end frame, with two securing screws	\$97.50, each

T2000-F - 8" INTERNAL WIDTH, FRAME

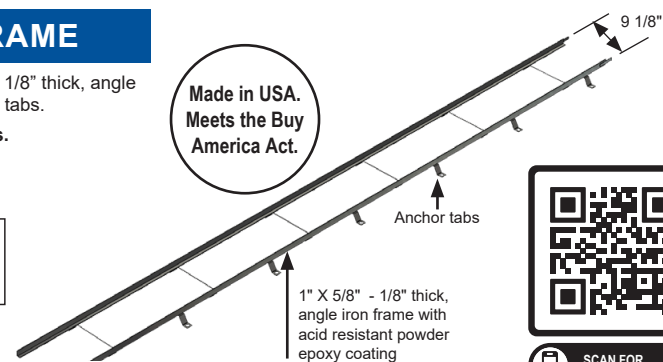
SPECIFICATION: MIFAB® Series T2000-F, 8" internal width 1" X 5/8" – 1/8" thick, angle iron frame with acid resistant powder epoxy coating and 1" X 3" anchor tabs.

Frames can accommodate all T200 Series ClipFix self locking grates.

Note: Must order in 19.69" (1/2 meter) long increments.
9.84 foot long (3 meter) sections are standard.



Frames are manufactured per order.

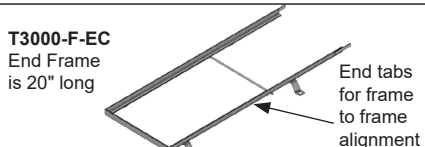


Model Number	Description	List Price
T2000-F	8" internal width, powder epoxy coated steel frame	\$261.75/ Foot
T2000-F-13	8" internal width, galvanized steel frame	\$323.75/ Foot
T2000-F-EC	8" internal width, powder epoxy coated steel end frame, with two securing screws	\$109.50, each
T2000-F-EC-13	8" internal width, galvanized steel end frame, with two securing screws	\$146.00, each

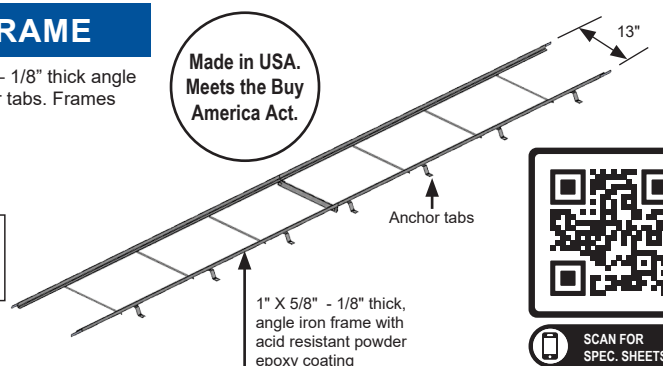
T3000-F – 12" INTERNAL WIDTH, FRAME

SPECIFICATION: MIFAB® Series T3000-F, 12" internal width, 1 x 5/8" – 1/8" thick angle iron Frame with acid resistant powder epoxy coating and 1" x 3" anchor tabs. Frames can accommodate all T300 Series ClipFix self locking grates.

Note: Must order in 19.69" (1/2 meter) long increments.
9.84 foot long (3 meter) sections are standard.



Frames are manufactured per order.



Model Number	Description	List Price
T3000-F	12" internal width, powder epoxy coated steel frame	\$335.25/ Foot
T3000-F-13	12" internal width, galvanized steel frame	\$398.00/ Foot
T3000-F-EC	12" internal width, powder epoxy coated steel end frame, with two securing screws	\$165.50 each
T3000-F-EC-13	12" internal width, galvanized steel end frame, with two securing screws	\$220.50 each

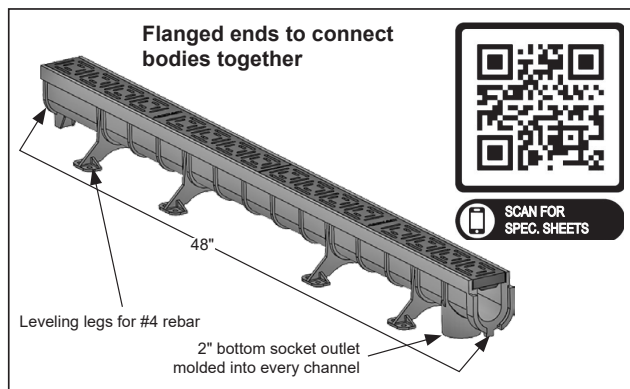
Note: Custom designs are available. Contact MIFAB®

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

SPECIFICATION:

MIFAB® Series T250, 2" Internal width, 3" deep, 48" long, non sloped channel with two 24" long HDPE grates. Channel is manufactured from gray UV-10 stabilized High Density Polyethylene (H.D.P.E.). Each channel has leveling legs for #4 rebar tie down and leveling. Channels have interlocking ends to connect to each other. 2" bottom socket outlet into every channel. 2" end outlets and end caps are available.

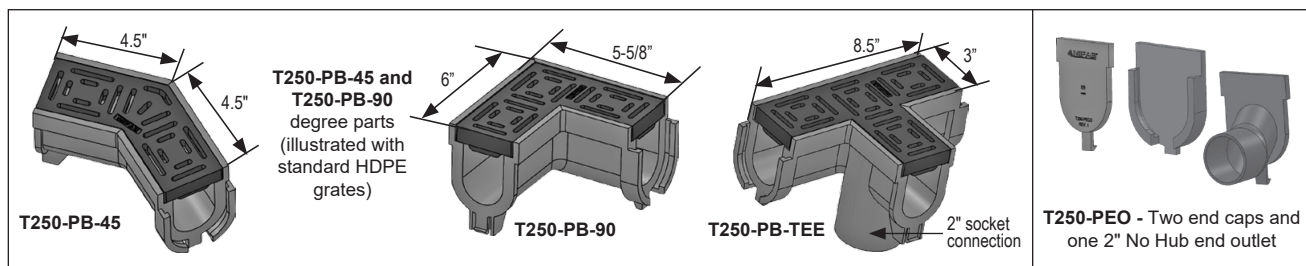
MODEL NUMBER	Description	List Price per 48" section
T250-PB-BO	2" internal width, High Density Polyethylene (H.D.P.E.), channel with two 24" long HDPE grates and 2" bottom socket outlet.	\$222.50



Grates		
Part Number	Description	List Price, Per 48" piece, Add
T250-PGA-3-DA	Stainless Steel, Decorative grate - Class A, 48" long	\$1,588.00
T250-PGA-3-WW	Stainless Steel, Wedgewire grate - Class A, 48" long	\$960.00

End Caps / Outlets / Accessories		
Part Number	Description	List Price, Each
T250-PEO	Two end caps and one 2" No Hub end outlet (3 pieces in total)	\$30.50
MI-FLEX-200	2" Flexible rubber coupling to connect 2" No Hub end outlet to drainage pipe	\$15.25

45° and 90° Fabrications		
Part Number	Description	List Price, Each
T250-PB-45-HPP	45° Channel Section with HDPE grate, Class A	\$64.75
T250-PB-90-HPP	90° Channel Section with HDPE grate, Class A	\$64.75
T250-PB-TEE-HPP	Tee Channel Section with HDPE grate, Class A	\$129.25
T250-PB-45-3-DA	45° Channel Section with Stainless Steel, Decorative grate, Class A	\$298.75
T250-PB-90-3-DA	90° Channel Section with Stainless Steel, Decorative grate, Class A	\$298.75
T250-PB-TEE-DA	Tee Channel Section with Stainless Steel, Decorative grate, Class A	\$446.25
T250-PB-45-3-WW	45° Channel Section with Stainless Steel, Wedgewire grate, Class A	\$152.25
T250-PB-90-3-WW	90° Channel Section with Stainless Steel, Wedgewire grate, Class A	\$152.25
T250-PB-TEE-WW	Tee Channel Section with Stainless Steel, Wedgewire grate, Class A	\$304.50



GRATES FOR T250 TRENCH DRAIN SYSTEM



Grate Part Number	Suffix	Description	Material	Weight (lbs./ft.)	Length	Free Area (sq. in. per ft.)	Slot Width / Hole Size	ADA	Load Ratings			
									DIN	ANSI	H-20	FAA
T250-PGA-3-HPP	-HPP	Decorative	H.D.P.E.	0.70	24"	9.00	0.25"	Yes	A	Light Duty	No	No
T250-PGA-3-DA	-DA	Decorative	Stainless Steel	1.30	48"	11.00	0.25"	Yes	A	Light Duty	No	No
T250-PGA-3-WW	-WW	Wedgewire	Stainless Steel	1.25	48"	18.00	0.25"	Yes	A	Light Duty	No	No

"MIFAB® has excellent trench drain product backed up by better customer service." – Randy Lowe, Owner, Randall Lowe Plumbing, Atlanta, GA

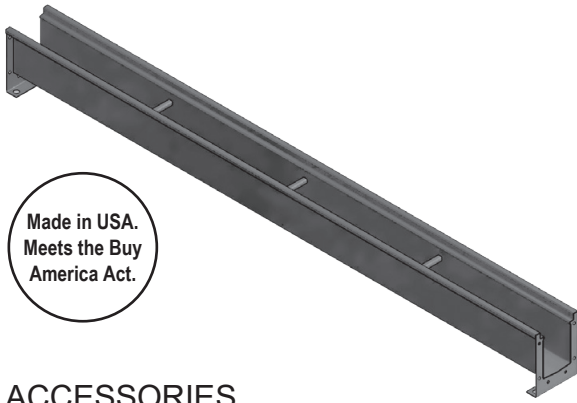
Note: Custom grate designs are available. Contact MIFAB® Go to www.MIFAB.com for the T250 Cross Section detail & specification sheet

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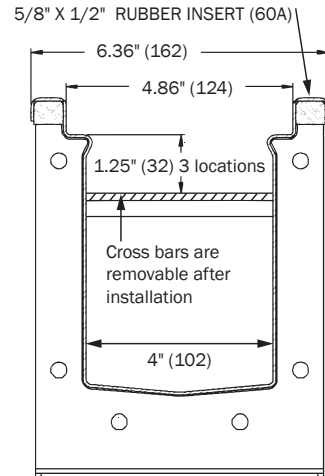
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SCAN FOR SPEC. SHEETS

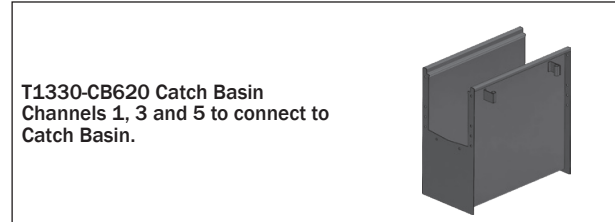


ACCESSORIES

		LIST PRICE (ADD)
-6	Vandal Proof grates (center lockdown)	\$15.25
-7MG	MI-GARD Trap Seal Protection device (3" or 4")	\$102.50
-20	Bottom outlet strainer	\$440.00
-45	45° fabricated body (T1330-45)	\$1,216.25
-90	90° fabricated body (T1330-90)	\$1,823.75
-TEE	Tee fabricated body	\$2,431.00
-FLC	Membrane Clamp (includes anchor flange)	\$265.50 / foot
-CB	Catch Basin (Part # P6060-CB620) (1/2 meter long, w/sediment bucket, transition plates and hardware kit)	\$2,857.00
-CF	Cross fabricated body	\$2,431.00
-PEC	Closed End Cap (T1330-PEC)	\$243.50
-PEO	3" or 4" No Hub End Outlet (T1330-PEO3, T1330-PEO4)	\$243.50
-FL	Anchor (waterproofing) flange	\$161.00 / foot
MI-FLEX-300	3" Flexible rubber coupling to connect 3" No Hub vertical and horizontal channel outlets to drainage pipe	\$17.75
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe	\$20.00

SPECIFICATION:

MIFAB® Series T1330, 4" internal width, 16 gauge fabricated, powder epoxy coated steel presloped trench drain (1%) with optional grates (see page 15). Channels are available in one and two meter lengths, have flanged ends to connect to each other with a neoprene gasket. Bottom and end outlets are available in 3" or 4" no hub outlet connections. Also available with optional anchor flange (Suffix -FL).



T1360-HDW - Universal neoprene gasket for between channels, end caps and end outlets with hardware included with every channel, end cap / end outlet ordered

<p>T1330-CB620 Catch Basin Channels 1, 3 and 5 to connect to Catch Basin.</p>	<p>Suffix -7MG MI-GARD</p>	<p>Suffix -20 Bottom Outlet Strainer</p>	<p>T1330-PEC End Cap</p>	<p>No Hub End outlet 3" or 4"</p>	<p>No Hub Flexible Rubber Coupling Connector to 4", 6" or 8" pipe</p>
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CHANNEL#	LENGTH	Shallow Invert	Deep Invert	List Price / Ea. Channel	List Price / Foot
T1331	78.74" (2m)	4"	4.78"	\$2,619.75	\$399.39
T1331N	78.74" (2m)	4.78"	4.78"	\$2,619.75	\$399.39
T1331N-B03	78.74" (2m) (w/3" BO)	4.78"	4.78"	\$2,619.75	\$399.39
T1331N-B04	78.74" (2m) (w/4" BO)	4.78"	4.78"	\$2,619.75	\$399.39
T1331N-1M	39.37" (1m)	4.78"	4.78"	\$1,310.00	\$399.39
T1332	78.74" (2m)	4.78"	5.56"	\$2,619.75	\$399.39
T1333	78.74" (2m)	5.56"	6.34"	\$2,619.75	\$399.39
T1333N	78.74" (2m)	6.34"	6.34"	\$2,619.75	\$399.39
T1333N-B03	78.74" (2m) (w/3" BO)	6.34"	6.34"	\$2,619.75	\$399.39
T1333N-B04	78.74" (2m) (w/4" BO)	6.34"	6.34"	\$2,619.75	\$399.39
T1333N-1M	39.37" (1m)	6.34"	6.34"	\$1,310.00	\$399.39
T1334	78.74" (2m)	6.34"	7.12"	\$2,619.75	\$399.39
T1335	78.74" (2m)	7.12"	7.9"	\$2,619.75	\$399.39
T1335N	78.74" (2m)	7.9"	7.9"	\$2,619.75	\$399.39
T1335N-B03	78.74" (2m) (w/3" BO)	7.9"	7.9"	\$2,619.75	\$399.39
T1335N-B04	78.74" (2m) (w/4" BO)	7.9"	7.9"	\$2,619.75	\$399.39
T1335N-1M	39.37" (1m)	7.9"	7.9"	\$1,310.00	\$399.39

NOTE: Flow rate information per channel section is available on the www.MIFAB.com website

NOTE: Custom lengths, widths, depths, slopes and profiles available upon request. Contact MIFAB®.

Note: The neoprene gasket used to connect long runs of trench drain bodies is not recommended for use with caustic or harsh chemicals. In these cases, it is recommended that the trench drain sections be welded on site.

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

LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I.

Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in./ft.)
T100-PGA-13-FP	Class A Galvanized Perforated Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.85	8.08
T100-PGA-13-FP-500	Class A Galvanized Perforated Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.09	8.08
T100-PGA-3-FP	Class A Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.85	8.08
T100-PGA-3-FP-500	Class A Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.09	8.08
T100-PGA-13-FS	Class A Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$41.76	\$12.73	3.08	13.31
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$25.06	\$15.28	2.86	13.31
T100-PGA-3-FS	Class A Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$246.80	\$75.24	3.12	13.31
T100-PGA-3-FS-500	Class A Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	2.42	13.31
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$361.01	\$110.06	5.72	40.17
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$207.12	\$126.29	3.08	40.17
T100-PGA-HPP-BLK	Class A Plastic Longitudinal, Slotted Black Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56
T100-PGA-HPP-GRY	Class A Plastic Longitudinal, Slotted Grey Grate, 1/2 meter	19.69" (500)	\$54.87	\$33.46	1.80	7.56

LOAD CLASS B GRATES - EN 1433 - 28,100 LBS., 125kN, 580 P.S.I.

T100-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter	39.37" (1000)	\$178.37	\$54.38	8.80	28.05
T100-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	\$99.08	\$60.41	4.37	28.05
T100-PGB-3-WW	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1 meter	39.37" (1000)	\$1,233.16	\$375.96	8.80	26.52
T100-PGB-3-WW-500	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1/2 meter	19.69" (500)	\$873.35	\$532.53	4.37	26.52

LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 1,160 P.S.I.

T100-PGC-13-FP	Class C Galvanized Perforated Grate, 1 meter	39.37" (1000)	\$288.57	\$87.98	9.04	8.08
T100-PGC-13-FP-500	Class C Galvanized Perforated Grate, 1/2 meter	19.69" (500)	\$173.15	\$105.58	4.51	8.08
T100-PGC-3-FP	Class C Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	\$580.94	\$177.12	9.04	8.08
T100-PGC-3-FP-500	Class C Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	\$348.57	\$212.54	4.51	8.08
T100-PGC-13-FS	Class C Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$288.57	\$87.98	9.68	13.31
T100-PGC-13-FS-500	Class C Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$173.15	\$105.58	4.59	13.31
T100-PGC-3-FS	Class C Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$580.94	\$177.12	9.32	13.31
T100-PGC-3-FS-500	Class C Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$348.57	\$212.54	4.62	13.31
T100-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$299.96	\$91.45	11.50	40.75
T100-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$179.97	\$109.74	5.80	40.75
T100-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$939.92	\$285.56	11.50	40.75
T100-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$675.81	\$412.08	5.80	40.75
T100-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter	39.37" (1000)	\$270.11	\$82.35	10.25	6.00
T100-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	19.69" (500)	\$183.51	\$111.90	5.23	6.00
T100-PGC-13-SD-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$477.68	\$291.27	7.43	3.00
T100-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter	39.37" (1000)	\$492.82	\$150.25	10.07	6.00
T100-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	19.69" (500)	\$288.44	\$175.88	5.06	6.00
T100-PGC-3-SD-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$900.08	\$548.83	7.43	3.00
T100-PGC-HPP	Class C Black Plastic Slotted Grate, 1/2 meter	19.69" (500)	\$100.00	\$60.97	2.35	9.84
T100-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$51.25	\$31.25	7.26	16.64
T100-PGC-4-13	Class C Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$64.06	\$39.06	7.26	16.64
T100-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$98.45	\$60.03	7.26	7.42
T100-PGC-4-ADA	Class C Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$98.45	\$60.03	7.26	7.42
T100-PGC-4-ADA-13	Class C Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$123.06	\$75.03	7.26	7.42
T100-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	\$98.72	\$60.20	10.12	25.96
T100-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter	19.69" (500)	\$98.72	\$60.20	6.60	13.88
T100-SCC-4	Class C Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	\$98.72	\$60.20	13.00	-

LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,785 P.S.I.

T100-PGE-13-FS	Class E Galvanized Slotted Grate, 1 meter	39.37" (1000)	\$243.19	\$74.14	9.68	13.31
T100-PGE-13-FS-500	Class E Galvanized Slotted Grate, 1/2 meter	19.69" (500)	\$156.19	\$95.24	4.59	13.31
T100-PGE-3-FS	Class E Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	\$778.51	\$237.35	9.32	13.31
T100-PGE-3-FS-500	Class E Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	\$467.11	\$284.82	4.62	13.31
T100-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$83.54	\$50.94	8.36	19.49
T100-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$106.31	\$64.82	8.36	19.49
T100-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	8.36	7.42
T100-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$148.09	\$90.30	10.70	18.07
T100-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$222.12	\$135.44	10.70	18.07
T100-PGE-3-SBG	Class E Stainless Steel Bar Grate	39.37" (1000)	\$990.00	\$301.82	12.00	24.70
T100-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter	19.69" (500)	\$594.00	\$362.19	7.00	24.70

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

T100-PGF-4-B	Class F Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$108.05	\$65.88	9.50	18.83
T100-PGF-4-B-13	Class F Galvanized Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$140.61	\$85.74	9.50	18.83

See page 12 for explanation of ADA compliant grates

See page 12 for explanation of Heelproof compliant grates

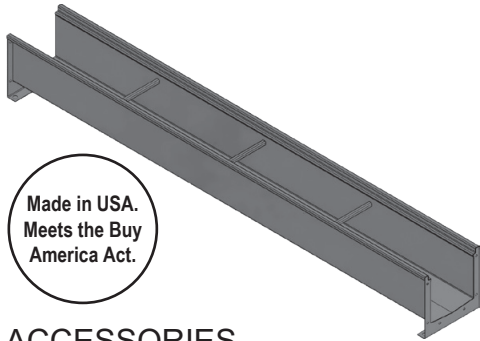
Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

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.

Toll Free: 1-800-465-2736, Fax: 1-773-341-3049
sales@mifab.com Canada Toll Free: 1-800-387-3880

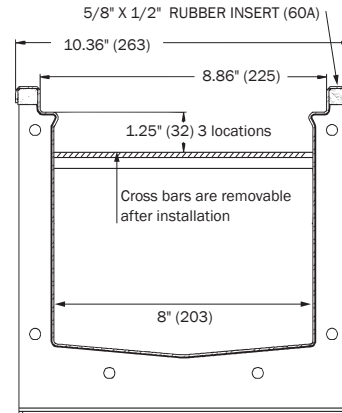
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All sales subject to MIFAB's Terms and Warranties, please refer to page no. 54.



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SCAN FOR SPEC. SHEETS

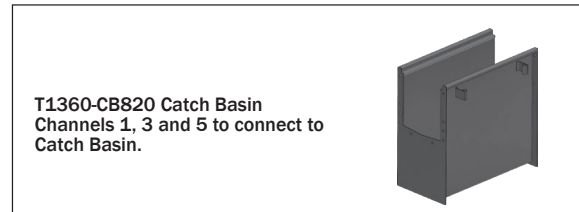


ACCESSORIES

		LIST PRICE (ADD)
-6	Vandal Proof grates (center lockdown)	\$15.25
-7MG	MI-GARD Trap Seal Protection device (4" or 6")	\$102.50
-20	Bottom outlet strainer	\$440.00
-45	45° fabricated body (T1360-45)	\$1,823.75
-90	90° fabricated body (T1360-90)	\$2,431.00
-TEE	Tee fabricated body	\$3,039.00
-FLC	Membrane Clamp (includes anchor flange)	\$293.25 / foot
-CB	Catch Basin (Part # P6080-CB820) (1/2 meter long, w/sediment bucket, transition plates and hardware kit)	\$3,648.00
-CF	Cross fabricated body	\$3,039.00
-PEC	Closed End Cap (T1360-PEC)	\$273.50
-PEO	4", 6" or 8" No Hub End Outlet (T1360-PE04, T1360-PE06, T1330-PE08)	\$273.50
-FL	Anchor (waterproofing) flange	\$194.50 / foot
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe	\$20.00
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe	\$27.50
MI-FLEX-800	8" Flexible rubber coupling to connect 8" No Hub vertical and horizontal channel outlets to drainage pipe	\$36.50

SPECIFICATION:

MIFAB® Series T1360, 8" internal width, 16 gauge fabricated, powder epoxy coated steel presloped trench drain (1%) with optional grates (see page 21). Channels are available in one and two meter lengths, have flanged ends to connect to each other with a neoprene gasket. Bottom and end outlets are available in 4", 6" or 8" no hub outlet connections. Also available with optional anchor flange (Suffix -FL).



T1360-HDW - Universal neoprene gasket for between channels, end caps and end outlets with hardware included with every channel, end cap / end outlet ordered

<p>T1360- B820 Catch Basin Channels 1, 3 and 5 to connect to Catch Basin.</p>	<p>Suffix -7MG MI-GARD</p>	<p>Suffix -20 Bottom Outlet Strainer</p>	<p>T1360-PEC Closed End Cap</p>	<p>No Hub End outlet 4", 6" or 4"</p>	<p>No Hub Flexible Rubber Coupling Connector to 4", 6" or 8" pipe</p>
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CHANNEL#	LENGTH	Shallow Invert	Deep Invert	List Price / Ea. Channel	List Price / Foot
T1361	78.74" (2m)	6"	6.78"	\$3,149.25	\$480.18
T1361N	78.74" (2m)	6.78"	6.78"	\$3,149.25	\$480.18
T1361N-B04	78.74" (2m) (w/4" BO)	6.78"	6.78"	\$3,149.25	\$480.18
T1361N-B06	78.74" (2m) (w/6" BO)	6.78"	6.78"	\$3,149.25	\$480.18
T1361N-B08	78.74" (2m) (w/8" BO)	6.78"	6.78"	\$3,149.25	\$480.18
T1361-1M	39.37" (1m)	6.78"	6.78"	\$1,575.00	\$480.18
T1362	78.74" (2m)	6.78"	7.56"	\$3,149.25	\$480.18
T1363	78.74" (2m)	7.56"	8.34"	\$3,149.25	\$480.18
T1363N	78.74" (2m)	8.34"	8.34"	\$3,149.25	\$480.18
T1363N-B04	78.74" (2m) (w/4" BO)	8.34"	8.34"	\$3,149.25	\$480.18
T1363N-B06	78.74" (2m) (w/6" BO)	8.34"	8.34"	\$3,149.25	\$480.18
T1363N-B08	78.74" (2m) (w/8" BO)	8.34"	8.34"	\$3,149.25	\$480.18
T1363N-1M	39.37" (1m)	8.34"	8.34"	\$1,575.00	\$480.18
T1364	78.74" (2m)	8.34"	9.12"	\$3,149.25	\$480.18
T1365	78.74" (2m)	9.12"	9.9"	\$3,149.25	\$480.18
T1365N	78.74" (2m)	9.9"	9.9"	\$3,149.25	\$480.18
T1365N-B04	78.74" (2m) (w/4" BO)	9.9"	9.9"	\$3,149.25	\$480.18
T1365N-B06	78.74" (2m) (w/6" BO)	9.9"	9.9"	\$3,149.25	\$480.18
T1365N-B08	78.74" (2m) (w/8" BO)	9.9"	9.9"	\$3,149.25	\$480.18
T1365N-1M	39.37" (1m)	9.9"	9.9"	\$1,575.00	\$480.18

NOTE: Flow rate information per channel section is available on the www.MIFAB.com website

NOTE: Custom lengths, widths, depths, slopes and profiles available upon request. Contact MIFAB®.

Note: The neoprene gasket used to connect long runs of trench drain bodies is not recommended for use with caustic or harsh chemicals. In these cases, it is recommended that the trench drain sections be welded on site.

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



LOAD CLASS A GRATES - EN 1433 - 3,372 LBS., 15kN, 70 P.S.I.

Grate Part #	Description	Length (MM)	List Price	List Price (Per Foot)	Weight	Grate Free Area (Sq. in. ft.)
T200-PGA-13-GM	Class A Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$357.70	\$109.05	13.13	78.78
T200-PGA-13-GM-500	Class A Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$247.35	\$150.82	6.82	78.78
T200-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$2,046.58	\$623.96	13.13	78.78
T200-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$1,217.33	\$742.27	6.82	78.78

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)	\$403.20	\$122.93	16.02	51.25
T200-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	\$262.24	\$159.90	8.38	51.25
T200-PGB-3-WW	Class B Stainless Longitudinal, anti slip WW grate, 1 meter	39.37" (1000)	\$2,046.58	\$623.96	16.32	48.78
T200-PGB-3-WW-500	Class B Stainless Longitudinal, anti slip WW grate, 1/2 meter	19.69" (500)	\$1,217.33	\$742.27	8.31	48.78

LOAD CLASS C GRATES - EN 1433 - 56,200 LBS., 250kN, 1,160 P.S.I.

T200-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	\$762.98	\$232.62	24.33	70.46
T200-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	\$465.26	\$283.70	11.66	70.46
T200-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	\$2,516.13	\$767.11	24.33	70.46
T200-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	\$1,621.50	\$988.72	11.66	70.46
T200-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter	39.37" (1000)	\$401.87	\$122.52	47.08	12.01
T200-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	19.69" (500)	\$326.24	\$198.93	23.54	12.01
T200-PGC-13-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$716.63	\$436.97	43.78	6.01
T200-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter	39.37" (1000)	\$856.37	\$261.09	47.08	12.01
T200-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	19.69" (500)	\$644.27	\$392.85	23.54	12.01
T200-PGC-3-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	\$1,350.56	\$823.51	43.78	6.01
T200-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$119.63	\$72.95	13.79	50.68
T200-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.79	10.94
T200-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.86	47.73
T200-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter	19.69" (500)	\$237.31	\$144.70	13.64	28.19

LOAD CLASS D GRATES - EN 1433 - 89,920 LBS., 400kN, 1856 P.S.I.

T200-SCD-4-PX	Class D Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	\$142.92	\$87.15	26.00	-
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LOAD CLASS E GRATES - EN 1433 - 134,800 LBS., 600kN, 2,785 P.S.I.

T200-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$205.07	\$125.04	19.25	51.20
T200-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	19.25	51.20
T200-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	13.79	14.17
T200-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$296.18	\$180.60	21.25	26.72
T200-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	\$495.52	\$302.15	21.25	26.72
T200-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter	39.37" (1000)	\$2,500.00	\$762.19	75.00	50.46
T200-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter	19.69" (500)	\$1,500.00	\$914.63	40.00	50.46

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

T200-PGF-4-B	Class F Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$215.00	\$131.10	22.00	48.30
T200-PGF-4-B-13	Class F Galvanized Ductile Iron 4 bolt slotted grate, 1/2 meter	19.69" (500)	\$303.19	\$184.87	22.00	48.30

See page 18 for explanation of ADA compliant grates

See page 18 for explanation of Heelproof compliant grates

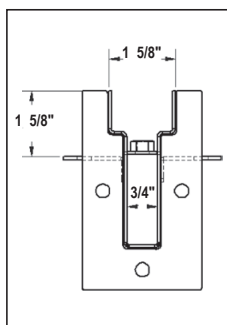
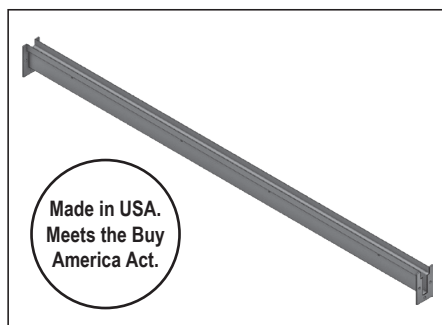
Black acid resistant epoxy coated ductile iron grates (-11B) are available. Same price as the -13 grates.

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SPECIFICATION:

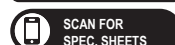
MIFAB® Series T5000-158, 1 5/8" wide, 3 7/8" deep, 40" long, non sloped channels. Body is manufactured from 14 gauge aluminum. Channels have flanged ends to connect to each other with a neoprene rubber gasket. End and bottom outlets are available in 2" no hub outlet connections and are fabricated as part of the trench drain system. Available with anchor flanges and membrane clamps as required.

MODEL NUMBER	Description	List Price, Per Foot
T5000-158-PB	1 5/8" wide, 3 7/8" deep, 14 gauge aluminum channel only	\$485.00

Grates (all 40" long. One grate required per body section)		
Order Guide Suffix	Description	List Price, Per Foot, add prices below to channel price
-PGA-AL	Aluminum decorative slotted grate - Class A, 40" long	\$122.00
-PGA-AW	Aluminum wire grate - Class A, 40" long	\$866.75
-PGA-SS	Stainless Steel, Decorative grate - Class A, 40" long	\$358.75
-PGB-WW	Stainless Steel, Wedgewire grate - Class A, 40" long	\$358.75
End Caps / Outlets / Accessories		
Order Guide Suffix	Description	List Price, Each, Add
-PEC	Closed end cap	\$249.25
-PEO2	2" no hub end outlet	\$218.00
-PBO2	2" no hub bottom outlet	\$218.00
MI-FLEX-200	2" Flexible rubber coupling to connect 2" No Hub vertical and horizontal channel outlets to drainage pipe	\$15.25

MIFAB®'s Engineering team will produce a sign off drawing illustrating the T5000-158 trench drain system requested for customer sign off and then MIFAB® Customer Service quotation.

Accessories and 45° and 90° Fabrications		
Order Guide Suffix	Description	List Price, Each, Add
Standard	5/16-18 x 2" Zinc Coated Bolts (2 per package) - for grate lockdown	No Charge
-SSB	5/16-18 x 2" Stainless Steel Bolts (2 per package) - for grate lockdown	\$48.50
-PB-45-AL	45° Channel Section with Aluminum decorative slotted grate	\$604.50
-PB-90-AL	90° Channel Section with Aluminum decorative slotted grate	\$604.50
-PB-45-AW	45° Channel Section with Aluminum wire grate	\$780.50
-PB-90-AW	90° Channel Section with Aluminum wire grate	\$780.50
-PB-45-SS	45° Channel Section with Stainless Steel Decorative grate	\$669.00
-PB-90-SS	90° Channel Section with Stainless Steel Decorative grate	\$669.00
-PB-45-WW	45° Channel Section with Stainless Steel Wedgewire grate	\$638.25
-PB-90-WW	90° Channel Section with Stainless Steel Wedgewire grate	\$638.25
-TEE	Tee Fabrication	\$604.25
-CF	Cross Fabrication	\$1,219.00
-FLC	Anchor flange and membrane clamps (2 - one for each side of the body) with hardware	\$718.00 / 40" section



T5000-158-HDW - Universal gasket for between channels, end caps and end outlets with hardware included at no extra charge with every channel, end cap / end outlet ordered.

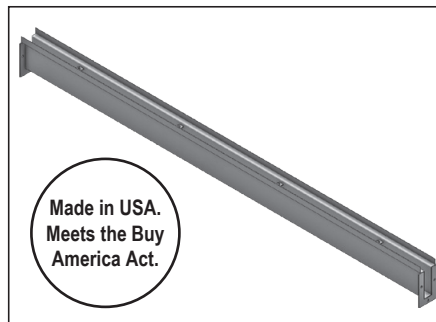
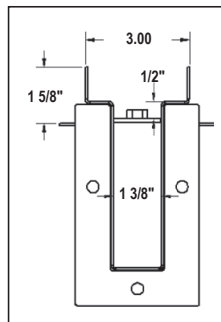
Note: Custom designs are available. Contact MIFAB®

Go to www.MIFAB.com for the T5000-158 Cross Section detail and specification sheet.

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SPECIFICATION:

MIFAB® Series T5000-300, 3" wide, 5 7/8" deep, 40" long, non sloped channels. Channel is manufactured from 14 gauge aluminum. Channels have flanged ends to connect to each other with a neoprene rubber gasket. End and bottom outlets are available in 2" no hub outlet connections and are fabricated as part of the trench drain system. Available with anchor flanges and membrane clamps as required.



MODEL NUMBER	Description	List Price, Per Foot
T5000-300-PB	3" wide, 5 7/8" deep, 14 gauge aluminum channel only	\$462.00

Grates (all 40" long. One grate required per body section)		
Order Guide Suffix	Description	List Price, Per Foot, Add
-PGA-AL	Aluminum decorative slotted grate - Class A, 40" long	\$486.50
-PGA-AW	Aluminum wire grate - Class A, 40" long	\$1033.50
-PGA-SS	Stainless Steel, Decorative grate - Class A, 40" long	\$358.75
-PGB-WW	Stainless Steel, Wedgewire grate - Class A, 40" long	\$425.50
End Caps / Outlets / Accessories		
Order Guide Suffix	Description	List Price, Each, Add
-PEC	Closed end cap	\$287.50
-PEO2	2" no hub end outlet	\$317.50
-PBO2	2" no hub bottom outlet	\$317.50
MI-FLEX-200	2" Flexible rubber coupling to connect 2" No Hub vertical and horizontal channel outlets to drainage pipe	\$15.25

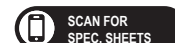
MIFAB®'s Engineering team will produce a sign off drawing illustrating the T5000-158 trench drain system requested for customer sign off and then MIFAB® Customer Service quotation.

Accessories and 45° and 90° Degree Fabrications		
Order Guide Suffix	Description	List Price, Each, Add
Standard	5/16-18 x 2" Zinc Coated Bolts (2 per package) - for grate lockdown	No Charge
-SSB	5/16-18 x 2" Stainless Steel Bolts (2 per package) - for grate lockdown	\$48.50
-PB-45-AL	45° Channel Section with Aluminum decorative slotted grate	\$604.50
-PB-90-AL	90° Channel Section with Aluminum decorative slotted grate	\$604.50
-PB-45-AW	45° Channel Section with Aluminum wire grate	\$820.75
-PB-90-AW	90° Channel Section with Aluminum wire grate	\$820.75
-PB-45-SS	45° Channel Section with Stainless Steel Decorative grate	\$669.00
-PB-90-SS	90° Channel Section with Stainless Steel Decorative grate	\$669.00
-PB-45-WW	45° Channel Section with Stainless Steel Wedgewire grate	\$638.25
-PB-90-WW	90° Channel Section with Stainless Steel Wedgewire grate	\$638.25
-TEE	Tee Fabrication	\$604.25
-CF	Cross Fabrication	\$1,219.00
-FLC	Anchor flange and membrane clamps (2 - one for each side of the body)	\$718.00 / 40" section

T5000-300-HDW - Universal neoprene gasket for between channels, end caps and end outlets with hardware included at no extra charge with every channel, end cap / end outlet ordered.

Note: Custom designs are available. Contact MIFAB®

Go to www.MIFAB.com for the T5000-300 Cross Section detail & specification sheet.

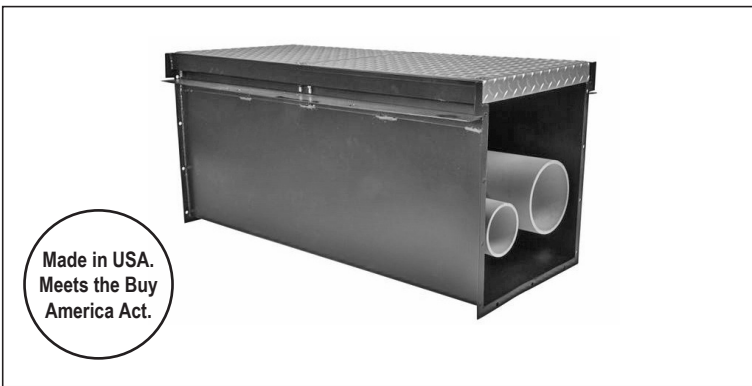


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SPECIFICATION:

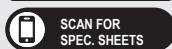
MIFAB® Series T4000-HDSC, (specify model number for required width and depth), 80" long, non sloped heavy duty utility chase trench system. Body is manufactured from 14 gauge steel and finished with an acid resistant powder epoxy coating. Each body has a 3" wide anchor flange on each side recessed 2 3/4" down from the top with securing holes 15" apart for #4 rebar tie down and leveling. Bodies have flanged ends to connect to each other with a neoprene rubber gasket. Covers are ductile iron for up to and including 12" internal widths and fabricated steel diamond plate for the larger widths.

Go to www.MIFAB.com for the T4000-HDSC Cross Section detail and specification sheet.

MODEL #	DESCRIPTION	LOAD CLASS	LIST PRICE, PER FOOT
T4000-HDSC-4-4	4" Internal Width Channel, Ductile Iron Cover	C	\$348.00
T4000-HDSC-12-4	12" Internal Width Channel, Ductile Iron Cover	E	\$579.00
T4000-HDSC-18-13	18" Internal Width Channel, Galvanized Steel Diamond Plate Cover	C	\$694.75
T4000-HDSC-21-13	21" Internal Width Channel, Galvanized Steel Diamond Plate Cover	C	\$814.75

Accessories and 45° and 90° Fabrications - for all Channel Sizes.

Order Guide Suffix	Description	List Price, Each, Add
-PB-90	90° Channel with cover	\$815.00
-CUT	Cutting / per cut - Net Price only	\$421.50
-CF	Cross 4 way channel connection	\$1,621.00
-PEC	End Caps	\$300.75



Note: Specify the total length of the T4000-HDSC utility trench drain system required and design of the trench drain system (straight run only or straight runs with corners and turns).

MIFAB®'s Engineering team will produce a sign off drawing illustrating the T4000-HDSC utility trench drain system requested for customer sign off and then MIFAB® Customer Service quotation.

Note: Custom designs are available. Contact MIFAB®

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T2320-FL - 6 1/8" X 20" CAST IRON TRENCH DRAIN WITH ANCHOR FLANGE

ADD 1/16" TO HEIGHT FOR SS GRATE

MEMBRANE CLAMP
2" WIDE ANCHOR FLANGE RECESSED 2" FROM TOP

STANDARD DUCTILE IRON GRATE (T1400-PG-4) SPECIAL DUTY LOAD RATED (OVER 10,000 LBS.) PER ASME STANDARD # A112.6.3-2001

FREE AREA IS 20in² PER FOOT

THREE HOLES TO CONNECT BODY SECTIONS TOGETHER WITH 5/16", HS-17 HARDWARE PROVIDED

NEOPRENE SEALING GASKET (T2320-FL-GASK)

CAST IRON END CAP (T2320-FLC-PE)

8mm GRATE SLOT

20"

6 1/8"

WEEPHOLES

LACQUERED CAST IRON BODY SECTION

OPTIONAL DOME STRAINER (A1-MB) (SUFFIX -5)

BOTTOM OUTLET SPECIFY TYPE AND SIZE

SCAN FOR SPEC. SHEETS

Custom fabricated trench drains are our specialty. Any custom configuration is possible. Contact MIFAB®.

MODEL #	SIZE	MATERIAL	FRAME MATERIAL	LIST PRICE
T2322,3,4-FL-4	6 1/8" x 20" section	Cast iron body, DI grate	Cast iron	\$442.00 / 20"/section
T2322,3,4-FL-4-3	6 1/8" x 20" section	Cast iron body, DI grate W/SS veneer	SS veneer	\$992.25 / 20"/section

T2320-FL OPTIONAL VARIATIONS					
Suffix	Description	List Price, Each, Add			
-5	Sediment bucket (per piece) (A1-MB)	\$92.50	-12	Galvanized grate (per 20" section)	\$178.50
-6	Vandal proof grate (per grate)(TR30 Torx and pin) (H-1109A)	\$73.50	-13	All galvanized (per 20" section)	\$138.00
-8	Backwater valve (per piece) (BV1254)	\$121.00	-C	Membrane clamp (per 20" section)	\$53.00
-11	All acid resistant epoxy coated (per 20" section)	\$172.25	P	Push on bottom outlet (2", 3" or 4")	No Add
			S	End outlet (4" No hub only)	\$97.25
			T	Threaded bottom outlet (2", 3" or 4")	\$27.75
			X	Inside caulk bottom outlet (2" or 3")	No Add

T2350-FL - 12 1/4" X 12" CAST IRON TRENCH DRAIN WITH ANCHOR FLANGE

ADD 3/16" TO HEIGHT FOR SS GRATE AND FRAME

MEMBRANE CLAMP
2" WIDE ANCHOR FLANGE RECESSED 2" FROM TOP

STANDARD DUCTILE IRON GRATE (F1440-PG-4) SPECIAL DUTY LOAD RATED (OVER 10,000 LBS.)

FREE AREA IS 51in² PER GRATE

LACQUERED CAST IRON BODY SECTION

NEOPRENE SEALING GASKET (T2350-FL-GASK)

CAST IRON END CAP (T2350-FLC-PE)

13"

WEEPHOLES

OPTIONAL DOME STRAINER (SUFFIX - 20)

7 3/4"

THREE HOLES TO CONNECT BODY SECTIONS TOGETHER

SCAN FOR SPEC. SHEETS

Custom fabricated trench drains are our specialty. Any custom configuration is possible. Contact MIFAB®.

MODEL #	SIZE	MATERIAL	FRAME MATERIAL	LIST PRICE
T2352,3,4-FL-4	12 1/4" x 12" section	Cast iron body, DI grate	Cast iron	\$645.00 / 12"/section
T2352,3,4-FL-4-3	12 1/4" x 12" section	Cast iron body, DI grate W/SS veneer	SS veneer	\$1009.00 / 12"/section

T2350-FL OPTIONAL VARIATIONS					
Suffix	Description	List Price, Each, Add			
-5	Sediment bucket (per outlet section)	\$178.50	-13	All galvanized (per 12" section)	\$211.00
-6	Vandal proof grate (per grate) (H-1072B) (lockdown grate to body)	\$73.50	-95	Client logo (-3 SS veneer only)	\$95.00
-8	Backwater valve (per piece)(BV1254)	\$120.75	-20	Dome bottom outlet strainer (per piece)	\$298.00
-11	All acid resistant epoxy coated (per 12" section)	\$240.50	-C	Membrane clamp (per foot)	\$53.00
-12	Galvanized grate	\$224.75	P	Push on bottom outlet (2", 3" or 4")	No Add
			S	End outlet (No Hub only, 4")	\$97.25
			T	Threaded bottom outlet (2", 3" or 4")	\$27.75
			X	Inside caulk bottom outlet (2" or 3")	No Add





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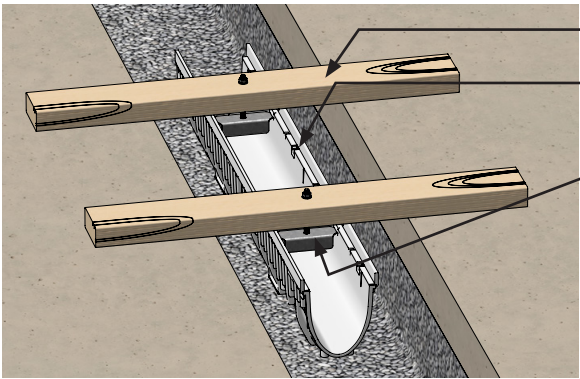
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ACCESSORIES

<p>PLASTIC SEDIMENT BUCKETS ARE INCLUDED WITH EVERY CATCH BASIN</p>  <p>T1400-CB620-SB - 4" internal width List Price - \$240.00</p>  <p>T2000-CB820-SB - 8" internal width List Price - \$310.50</p>  <p>T3000-CB1220-SB - 12" internal width List Price - \$409.00</p>	<p>T1400-SHV Shovel head to clean out debris from channels List Price - \$166.00</p>  <p>Grate lifting key T100-KEY</p>  <p>List Price - \$100.00</p>	<p>ANTI-VANDALISM LOCKING DEVICE FOR ALL GRATES</p>  <table border="1"> <tr> <td>T100-VP (4" internal width)</td> <td>\$24.75</td> </tr> <tr> <td>T200-VP (8" internal width)</td> <td>\$37.00</td> </tr> </table> <p>(Two pieces required per meter)</p>	T100-VP (4" internal width)	\$24.75	T200-VP (8" internal width)	\$37.00
T100-VP (4" internal width)	\$24.75					
T200-VP (8" internal width)	\$37.00					

SUSPENDED SLAB INSTALLATION


Support bars (by others)

MIFAB® T1400 GRP trench drain channel illustrated

Brackets to bolt support bars for suspension of the trench drain channels within the slab. Available with T1400, T2000 and T3000 GRP channels.

Part #	List Price (Bag of two)
Part # T1400-SUSP	\$22.00
Part # T2000-SUSP	\$24.25
Part # T3000-SUSP	\$26.50

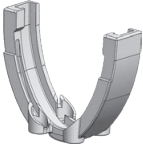



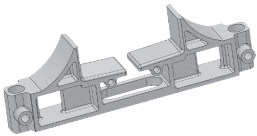


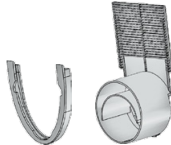




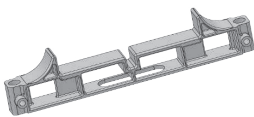


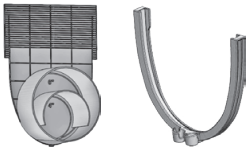






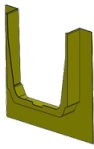

ANTI-VANDALISM LOCKING DEVICE INSTALLATION INSTRUCTIONS







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 <p>T1400-PFMC Female to male connector for T1400 channels (Supplied as standard with all T1400 channels)</p>	 <p>T1400-PMCC Male to male connector for T1400 channels</p>	 <p>T1400-CB620-PEC End cap for T1400-CB620 catch basin. Designed to work with any T1400 channel depth. Two supplied with each catch basin.</p>	 <p>T1400-PEC End cap for T1400 female end channels</p>
 <p>T1400-CB620-REB Installation device for the T1400-CB620 catch basin. Two supplied with each catch basin.</p>	 <p>T1400-CB2024-ADAPT Adapter to receive T1400 channels into the 20" x 24" catch basin</p>	 <p>T1400-PBO3 / T1400-PBO4 3" / 4" socket connection bottom outlet for T1400 channels</p>	 <p>T1400-PEO 3" and 4" socket connection combination male end cap / end outlet, with connector for T1400 channels</p>
 <p>T2000-PFMC Female to male connector for T2000 channels (Supplied as standard with all T1400 channels)</p>	 <p>T2000-PMCC Male to male connector for T2000 channels</p>	 <p>T2000-CB820-PEC End cap for T2000-CB820 catch basin. Designed to work with any T2000 channel depth. Two supplied with each catch basin.</p>	 <p>T2000-PEC End cap for T2000 female end channels</p>
 <p>T2000-CB820-REB Installation device for the T2000-CB820 catch basin. Two supplied with each catch basin.</p>	 <p>T2000-CB2024-ADAPT Adapter to receive T2000 channels into the 20" x 24" catch basin</p>	 <p>T2000-PBO4 / T2000-PBO6 4" / 6" socket connection bottom outlet for T2000 channels</p>	 <p>T2000-PEO 4" and 6" socket connection combination male end cap / end outlet, with connector for T2000 channels</p>
 <p>T2000-CB2024-PEO End outlet for the T2000-CB2024 catch basin. Available in 4", 6", 8", 10" or 12"</p>	 <p>T3000-PEO6, T3000-PEO8 No hub end outlet for T3000 channels. Available in 6" and 8"</p>	 <p>T3100-PEC End cap for T3100 male end channels</p>	 <p>T3100-PECF End cap for T3100 female end channels</p>
 <p>T3100-PEO6, 8, 10 6", 8" or 10" No hub end outlet for T3100 channels</p>	 <p>T3100-PEIF6, 8 or 10 6", 8" or 10" No Hub end Inlet for T3100 female end channels</p>	 <p>T3000-CB2024-ADAPT Adapter to receive T3000 channels into the T3000-CB2024 catch basin</p>	 <p>T3100-CB-2024-ADAPT Adapter to receive T3100 channels into the T3100-CB2024 catch basin</p>

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

Note: See page 41 for the comparison calculations.

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 1-A and 1-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 1-A and 1-B illustrate a typical sloped trench drain system with flow rates of 98.27 GPM in the 30 foot run and 142.60 GPM in the 60 foot run. Figures 2-A and 2-B illustrate the MIFAB® - T1420N neutral trench drain system with flow rates of 99.20 GPM in the 30 foot run and 149.80 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® - 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® - T1420N system (9.65").

Therefore, take advantage of the easier installation of the MIFAB® - 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.

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FLOW RATE COMPARISON CALCULATION ACCORDING TO MANNING & STRICKLER

4" Internal Width Sloped vs. Neutral Flow Rate Comparison

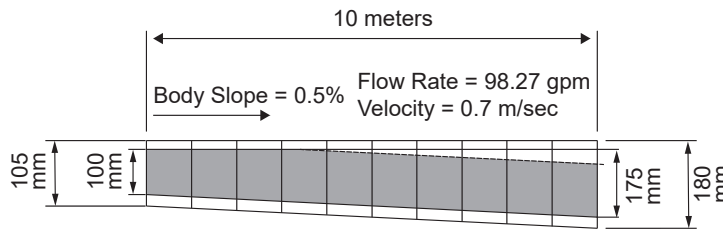


Figure 1-A Typical Sloped Trench Drain from Others

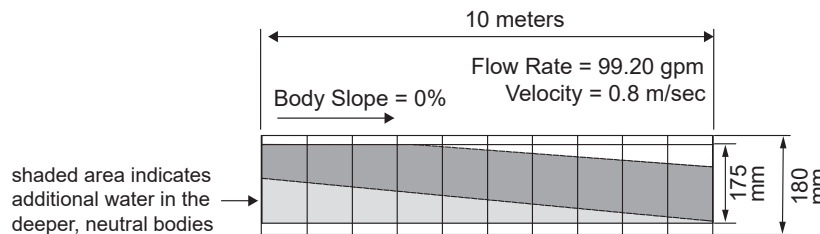


Figure 2-A MIFAB®- T1410N

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

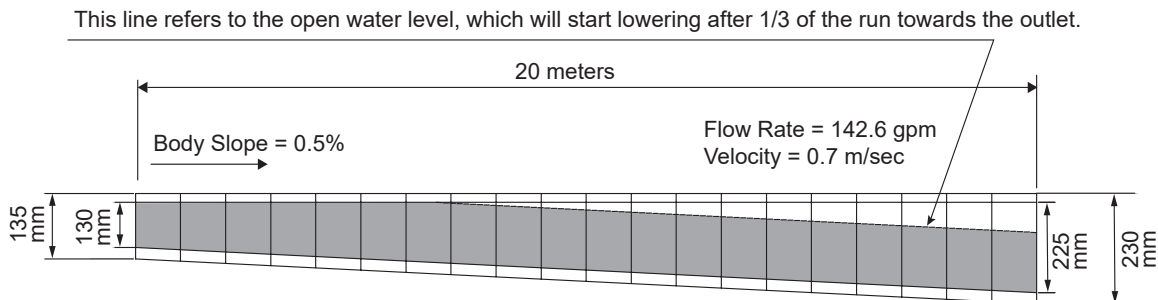


Figure 1-B Typical Sloped Trench Drain from Others

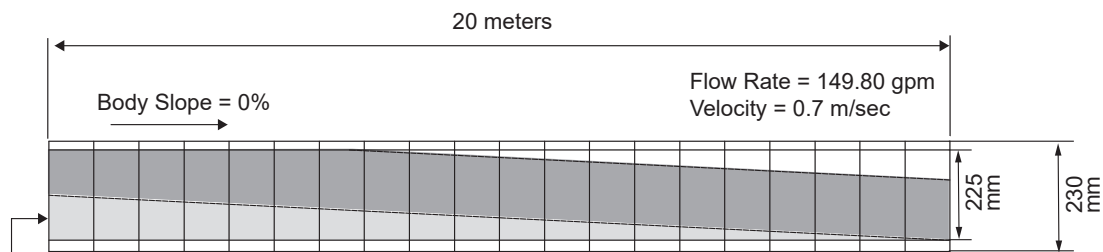


Figure 2-B MIFAB®- T1420N

shaded area indicates additional water in the deeper, neutral bodies

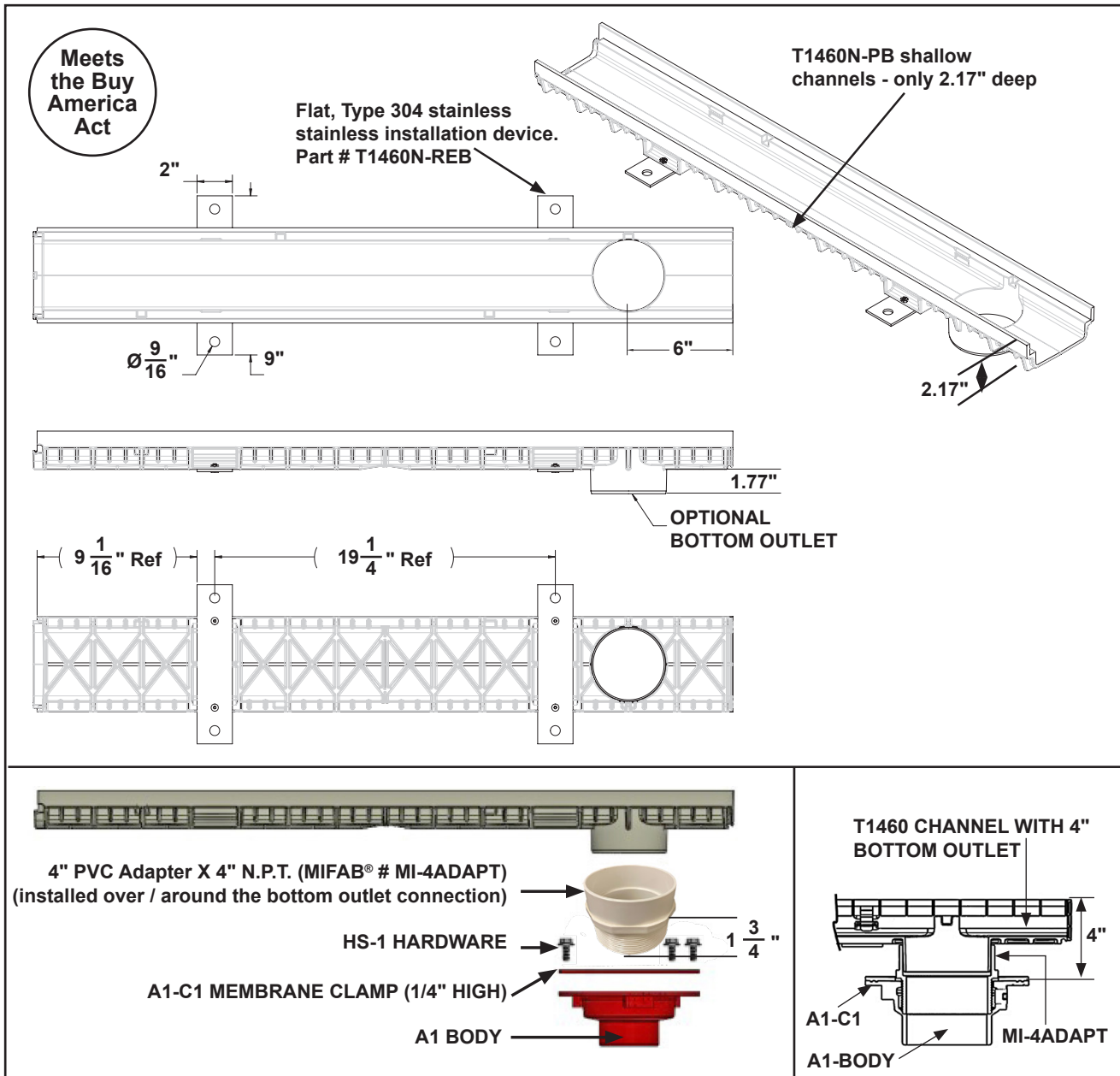
Note, the deeper neutral bodies require extra excavation and concrete surround compared to a sloped channel system.

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INSTALLATION DEVICE FOR SHALLOW T1460N AND T2060N CHANNELS


MIFAB®'s T1460N Series of shallow, GRP trench drain channels are ideal for installation onto concrete decks. Their overall depth of 2.17" provides a lot of flexibility during installation. The T1460N-REB flat, Type 304 stainless steel installation devices are engineered to provide only 1/8" of an increase in overall height when installed on the underside of the T1460N channels. They are ideal to secure the T1460N channels into the concrete deck with anchors by others. This is to provide the minimum overall height as possible. MIFAB® also offers Type 304 stainless steel installation devices (only 1/8" high) for the T2060N-PB, 8" internal width shallow channels.

List Price of T1460N-REB - \$21.00

(two brackets included with mounting hardware)
(Fitting of installation devices to channels by others)

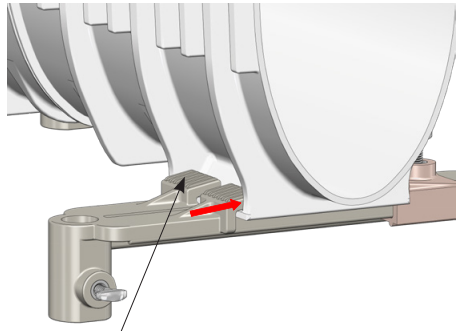
List Price of T2060N-REB - \$31.00

(two brackets included with mounting hardware)
(Fitting of installation devices to channels by others)

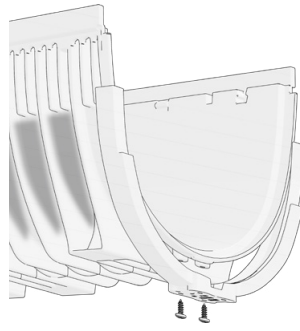
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GRP TRENCH INSTALLATION GUIDE

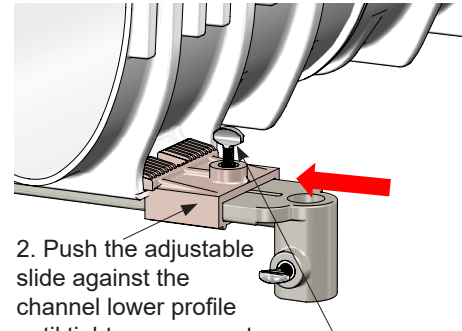
INSTALLATION GUIDE



1. Ensure the installation device connects tightly to the channel.

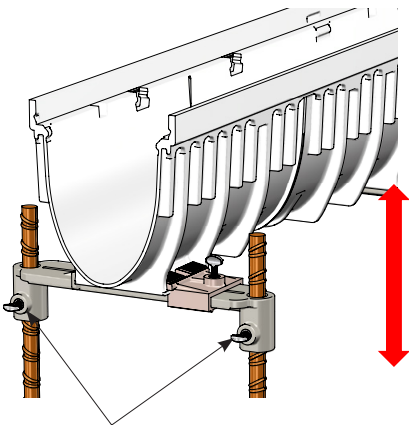


Ensure that the rebar installation devices and the female to male joint connector are placed on the channel before installation.



2. Push the adjustable slide against the channel lower profile until tight engagement.

3. Secure the adjustable slide position by tightening the wing nut.

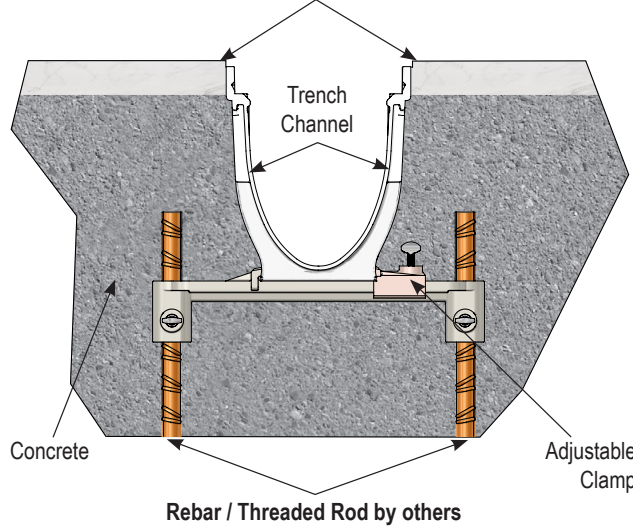


4. Adjust to desired height, secure the installation device by tightening the two wing nuts.



SCAN ME
FOR
INSTALLATION
INSTRUCTIONS

Finished floor height to be 1/8" above the channel edge rail.



POLYURETHANE SEALANT FOR GRP TRENCH DRAINS

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. The most prominent application for MIFAB® trench drains is when 2 channels are put together. There is an “indentation” or a groove between the two channels on the interior surface.

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.



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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.		
	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.		
	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.

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CHEMICAL RESISTANCE CHART

Media	Temperature in Fahrenheit	Glass Fiber Reinforced Polyester (GRP)
Acetone	RT	-
Battery acid (diluted sulphuric acid)	RT	+
Formic acid 10 %	RT	+
Ammonia 5 % aqueous Solution	RT	-
Ammonia 25 % aqueous Solution	RT	-
Ammonium salts, aqueous Solution	RT	+
Apple juice, aqueous Solution	RT	+
Malic acid	86	+
Barium salts, aqueous Solution	RT	+
Petrol, super and normal	RT	+
Benzene	RT	+
Succinic acid, aqueous Solution	RT	+
Beer	RT	+
Blood	RT	+
Boric acid	RT	+
Brake fluid	RT	+
Hydrogen bromide	RT	-
Butanol	RT	+
Butyric acid	RT	+
Butyric acid	104	-
Butyl acetate	104	-
Calcium salts, aqueous Solution	RT	+
Calcium hydroxide (lime milk)	RT	-
Chlorine, gaseous, moist	RT	-
Chlorinated lime, aqueous Solution	RT	-
Chlorinated water	RT	-
Chromic acid 10 %	RT	+
Cyclohexane	RT	+
Diesel oil	RT	+
Jet propellant	RT	+
Iron salts, aqueous Solution	RT	+
Developer	RT	-
Epoxy resins	RT	+
Petroleum	RT	+
Soil, acidic and alkaline	RT	+
Acetic acid 10 %	RT	-
Acetic acid 10 %	140	-
Ethanol	RT	-
Ethylbenzene	RT	+
Fatty acids (higher than C 12)	104	+
Fish oil	RT	+
Fixing bath	RT	+
Formaldehyde, aqueous Solution	RT	+
Fruit juices	RT	+
Glycol	RT	+
Glycol (ethylene glycol)	RT	+
Urea, aqueous Solution	RT	+
Fuel oil	RT	+
Humic acid	RT	+
Isopropyl alcohol (2-propanol)	RT	+
Potassium hydroxide solution 2.5 %	RT	-
Potassium permanganate 6%	140	-
Calcium salts, aqueous Solution	RT	+
Silica hydrochloric acid	68	-
Carbonic acid, aqueous Solution	RT	+
Copper salts, aqueous Solution	RT	+
Linseed oil	RT	+
Magnesium salts, aqueous Solution	RT	+
Maleic acid, aqueous Solution	RT	+
Manganese salts, aqueous Solution	RT	+
Margarine	RT	+
Engine oil	RT	+
Sea water	RT	+
Sea water	140	-
Milk	RT	+
Lactic acid, aqueous Solution	RT	+
Mineral oils	RT	+
Mineral water	RT	+
Sodium hydroxide 40 %	104	-
Barium salts, aqueous Solution	RT	+
Wetting and cleaning agents	RT	+
Octane	RT	+
Octane	140	-
Oxalic acid, aqueous Solution	RT	+
Oxalic acid, aqueous Solution	140	-
Oleic acid	RT	+
Parafin oil	RT	+
Perchloric acid	RT	-
Petroleum ether	RT	+
Kerosene	RT	+
Phosphoric acid 10 %	RT	+
Phosphoric acid 10 %	140	-
Phosphoric acid 50 %	104	-
Ricinus oil	RT	+
Crude oil	RT	+
Salicylic acid, aqueous Solution	RT	+
Nitric acid 10 %	104	-
Hydrochloric acid 20 %	104	-
Greases	RT	+
Sulphuric acid 30 %	RT	-
Silicone oil	RT	+
Tetrachloroethylene	RT	+
Carbon tetrachloride	RT	-
Thioglycolic acid	RT	-
Trichloroethylene	RT	-
Detergent, commercially available 5%	RT	+
Water dist.	RT	+
Water dist.	140	-
Wine	RT	+
Zinc salts, aqueous Solution	RT	+
Tin salts, aqueous Solution	RT	+
Citric acid, aqueous Solution	RT	+
Citric acid, aqueous Solution	140	-
Sugar	RT	+

+ = resistant

- = not rated.

RT = room temperature (70° F)

GRP = Glass Fiber Reinforced Polyester

NOTE: As all projects are different, chemical exposure needs to consider temperature and dilution rates.

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TRENCH DRAINS: FAQ'S COMMON QUESTIONS AND ANSWERS

- **What is the purpose of the “gap” between the two GRP channels?**

This is a design improvement that meets the new ASME A112.6.8-2022 Standard and is in accordance with EN1433. MIFAB®'s GRP (Glass Re-enforced Polyester) products incorporate this “gap” which is intended to allow a joint sealant material (one component polyurethane is preferred material) to be placed if required by the design engineer.

Most often, in storm water applications, this gap is ignored and “dirt” fills the gap in a short period of time. The channels are always encased in concrete so it becomes a non-factor. Utilize the MIFAB® website for further explanation.

- **Where should you use a GRP trench drain instead of another material?**

GRP trenches are considered suitable for most applications. GRP will handle Load Classes A-E with a Galvanized or Stainless Steel rails and Class F with a Ductile Iron frame.

Typical applications include but are not limited to: Fire & Police stations, Car Dealerships, Parking lots, landscape areas etc.

- **When installing a GRP Trench, which end do you start from?**

Always start at the outlet end with the deepest channel or preferably a catch basin. The male/female profile is at the end of the channel (the male end is the deep end and the female end is the shallow end).

- **Do GRP Trenches require the same depth and width of concrete encasement as other Trench drain materials?**

All trench drains require a minimum (actual depth to be determined by engineers designing the surrounding concrete slab) of 4” on both sides and under the trench drain. Solid soil compaction needs to be achieved before concrete pour.

- **What is the temperature limit of GRP trenches?**

GRP is unique in that other materials that have a 140F to 180F limit and GRP will handle 212F continuous flow and 392F intermittent flow.

- **If a system seems to not be going together, what reasons could be considered?**

1. The channels are not in numerical sequence or...
2. The arrows showing direction of the intended flow are pointing away from the outlet position. This will give the impression (result) that every piece is out of tolerance by 5/16”. Turn each channel around so the arrows point toward the outlet to correct this.

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- **Should you put the grates in the channels when pouring the concrete surround?**
The 4" internal width MIFAB® T1400 system is supplied with pour boards. These should be installed staggered in length so that the board spans the joints. Cut the first pour board to a length of .5 meters, then install full meter boards which will create an overlap of the board over 2 channels and spanning the joint. Plywood can also be utilized.
- **How do I connect a 4" bottom outlet to a 4" drainage pipe?**
First, cut the bottom of the channel in the marked location using a hole saw, 4" angle grinder or any other suitable tool. Connect the supplied MIFAB® bottom outlet adaptor (T1400-PB04) with screws provided. This outlet will accommodate SDR35 and Schedule 40 pipe.
- **Should you install Trench Drains on dirt or road base (gravel)?**
No. You should always install trench drain channels in a three sided concrete surround with a minimum concrete depth of 4". The actual depth is to be determined by engineers designing the concrete slab.
- **When do you use Catch Basins instead of end or bottom outlets?**
Catch basins are always preferred if the depth allows for them. This is typical if the run is in one direction OR there are two runs meeting at a low point in the middle. The catch basin is supplied with a sediment bucket internally. This is preferred as that bucket will capture large debris so it cannot enter the piping system and cause clogging.
- **When and why do you lock down grates?**
MIFAB® trench drains utilize the CLIPFIX or PROFIX locking mechanism that is integral to the grates. This helps prevent theft. Also, by locking the grates, extreme (Dynamic) loads are less inclined to affect the grates position and applies less stress to the complete system. A locked grate promotes longevity.
- **Should stainless steel grates be installed with a trench drain that has a galvanized rail?**
This is never recommended as there is a chemical reaction between galvanized steel and stainless steel. There are frequent occasions where a Ductile Iron grate is utilized with a Galvanized rail, and this is both typical and acceptable.
- **What is the difference between a full depth expansion joint and a control joint?**
A control joint is the shallow depth groove frequently tooled into a finished slab to a depth of .5 inches (approx.). The objective is to create a "weak" spot and the hope is that any cracking will occur at that location. An expansion joint is a full depth (from top to bottom of pour) that is designed to absorb horizontal expansion and contraction of the surrounding concrete pour.
- **Do neutral (non-sloping) channels drain water?**
Yes, non-sloping channels do drain water. The rate of drainage may be slightly slower, but typically this is not an issue.

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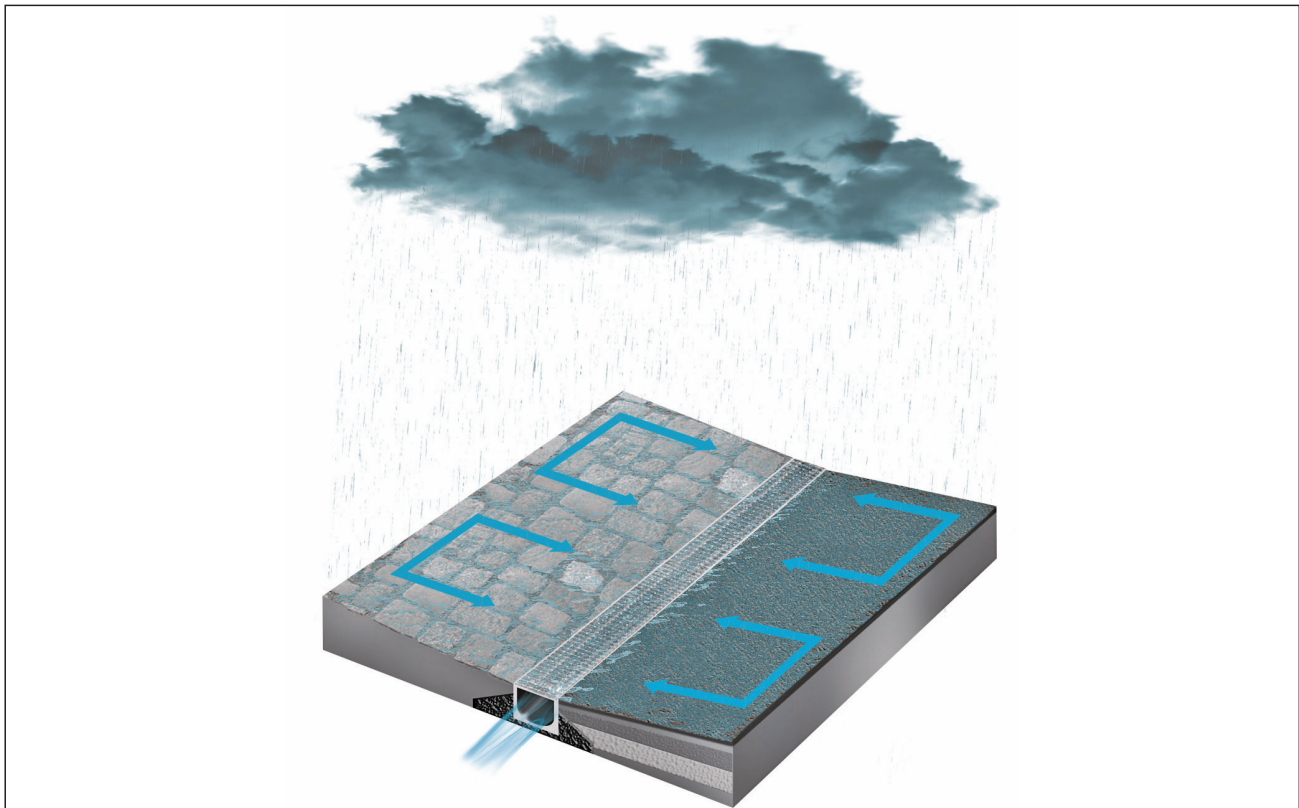
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TYPICAL TRENCH DRAIN SIZING CONSIDERATIONS

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

1. Length of trench drain run (feet or meters)
2. Length and width of the surface area draining into the trench drain (feet or meters)
3. Surface area type - concrete, pavement, asphalt, etc.
4. 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 (%)
8. Location of and number of outlets along the trench drain run
9. Any trench drain depth restrictions



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

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CROSS REFERENCE GUIDE

MIFAB®	ZURN	PAGE NO.
T1400-F	Z706	(page 30)
T2000-F	Z712	(page 30)
Contact MIFAB®	Z717	-
Contact MIFAB®	Z723	-
Contact MIFAB®	Z726	-
T1400	Z806	(pages 12 - 15)
T1400	ZF806	(pages 12 - 15)
T2000	Z812	(pages 19 - 22)
T2000	ZF812	(pages 19 - 22)
T1400-CB620	Z817 - 6" x 20"	(page 19)
T2000-CB820	Z817 - 12" x 24"	(page 17)
T2000-CB2424	Z817 - 24" x 24"	-
T1400-CB620	ZF817 - 6" x 20"	(page 13)
T2000-CB820	ZF817 - 12" x 24"	(page 19)
T2000-CB2424	ZF817 - 24" x 24"	-
T3000 T3100	Z874-12	(pages 22 - 25) (page 26)
Contact MIFAB®	Z874-18	-
Contact MIFAB®	Z874-21	-
T4000-HDSC	Z874-U-XX-LDRA	(page 38)
T4000-HDSC	Z874-U-XX-LDRS	(page 38)

MIFAB®	ZURN	PAGE NO.
T4000-HDSC-4	Z874-U-XX-HD	(page 38)
T250	Z880	(page 31)
T5000-158	ZA880-156	(page 36)
T5000-300	ZA880-300A	(page 37)
T5000-300	ZA880-300B	(page 37)
T5000-300	ZA880-340	(page 37)
T2000	Z882	(pages 19 - 22)
T1460	Z883	(page 13)
T300	Z884	(page 16 - 17)
T1400	Z886	(pages 12 - 15)
T1400-CB620	Z887 - 6" x 20"	(page 13)
T2000-CB820	Z887 - 12" x 24"	(page 19)
T2000-CB2024	Z887 - 24" x 24"	(page 24)
MIFAB®	JR Smith	PAGE NO.
T1460	9930	(page 13)
T1400	9930/ 9940	(pages 12 - 15)
T1400	9940	(pages 12 - 15)
T2000	9960	(pages 19 - 22)
T2000	9812	(pages 19 - 22)

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TERMS AND WARRANTIES

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QUOTATION TERMS: List Price and discount protected for 30 days from date issued by MIFAB®. Orders received within this period must be released for shipment within 30 days from date of purchase order, otherwise, prices will be those that are in effect at the time of shipment.

PAYMENT TERMS: Terms of payment are Net 30 days from the date of the invoice. All pricing in United States currency except for sales to Canadian customers which are priced in Canadian dollars. The Buyer shall pay all sales, consumers, and / or any other applicable taxes. Past due accounts will be subject to a 2% per month service charge from the date of the invoice. If any proceedings be instructed by or against Buyer under any bankruptcy or insolvency law, or if Buyer shall fail to make timely payment on this or any other order, or if, in MIFAB®'s judgment, Buyer's financial situation justifies such action, MIFAB® may, at its election, require payment in advance or cancel the order as to any unshipped item and require payment of its reasonable cancellation charges. If Buyer delays completion of manufacture, MIFAB® may elect to require payment according to percentage of completion. Equipment held for Buyer shall be at Buyer's risk and expense. In all cases, regardless of partial payment, title to the Products shall remain with MIFAB® until payment for the Products (including any notes given therefore) has been made in full. Should legal action be necessary to enforce payment of an unpaid invoice, the Buyer will assume full responsibility for any court costs and reasonable attorney fees. All orders subject to credit check and approval prior to shipment. Confirmed irrevocable letter of credit or cash in advance of shipment is required for accounts without an established line of credit. Minimum invoice amount is \$100.00. MIFAB® reserves the right to apply a minimum order charge to equal \$100.00. MIFAB®'s Accounting Department must be notified of potential pricing errors within 30 days of the invoice date. Any terms and conditions stated on Buyer's orders which are inconsistent with MIFAB®'s quotation and Terms and Warranties shall be of no effect.

RETURNED GOODS RESTOCKING CHARGE: Standard product may be returned within a one year period only with written permission from MIFAB®. All products in catalog are not considered Standard. Standard product to be determined by MIFAB®. Returned goods are subject to a 25% restocking charge, plus cost of reconditioning, if necessary, to make material saleable. Material must be returned to MIFAB® freight prepaid only after written permission from MIFAB® to accept the returned material. Buyer must provide copy of the original invoice on which the material was charged. The original outgoing freight cost to ship the order will be deducted from the credit. Credit allowance will be in the form of merchandise credit only-not cash credit which must be used within 12 months of the date of issue. The value of a return must total \$100.00 to qualify for credit allowance. No credit will be allowed for discontinued, or made to order items. Products designated non stock and / or that have been specially made are not subject to return or cancellation.

LIMITED WARRANTY: MIFAB® warrants each product against defects in material and workmanship for a period of one year from the date of original shipment. In the event of such defects within the warranty period, MIFAB® will, at its option, replace or recondition the product without charge. This shall constitute the exclusive remedy for breach of warranty, and MIFAB® shall not be responsible for any incidental or consequential damages, including, without limitation, damages or other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemicals, or any other circumstances over which MIFAB® has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product.

MIFAB® MAKES NO OTHER WARRANTIES EXPRESSED OR IMPLIED AS PROVIDED IN THIS LIMITED WARRANTY.

ILLUSTRATIONS OR TYPICAL INSTALLATIONS: The typical installations for various products in each product section are intended to illustrate the products and their options. Under no circumstances are they to be construed as recommended installation procedures. Consult local codes and project specifications for proper installation instructions.

ALL SALES SUBJECT TO MIFAB®'s TERMS And WARRANTIES.

NOTE: Prices and terms are subject to change without notice and supersede all previous quotations. The right is reserved to change or modify product design or construction without prior notice and without incurring any obligation to make similar changes and modifications to product previously or subsequently sold. Contact MIFAB® for any clarification.

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

MIFAB CATALOGS



MPB-2025-USA
SPECIFICATION DRAINAGE PRODUCTS
(LIT-067)



CLPB-2025
LIGHT COMMERCIAL PRODUCTS
(LIT-048)



AD-2024-USA
ACCESS DOORS
(LIT-043)



BEECO-2025
BACKFLOW PREVENTERS, BACKFLOW VALVES, AND ACCESSORIES
(LIT-071)



NH-2022-06
NO HUB COUPLINGS
(LIT-044)



TDPC-2025
POLYMER CONCRETE TRENCH DRAINS
(LIT-076)



TD-2025
GRP & STEEL TRENCH DRAINS
(LIT-046)



TDSD-2025
SHOWER DRAINS
(LIT-077)



TDSS-2025
STAINLESS STEEL TRENCH DRAINS
(LIT-072)



ROOFGUARD-2020
ROOFGUARD ROOF DOME
(LIT-058)



C-PORT-2023
ROOFTOP RUBBER PIPE SUPPORTS
(LIT-047)



DB-2024
DIALYSIS BOXES
(LIT-070)



HYDROMAX-2020
SIPHONIC DRAINAGE SYSTEMS
(LIT-082)



INT-2025
INTERCEPTORS & ACID NEUTRALIZATION TANKS
(LIT-095)



TSP-2024
TRAP SEAL PRIMERS
(LIT-062)



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

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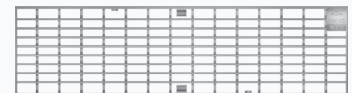
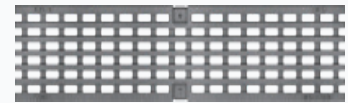
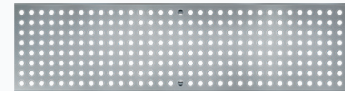
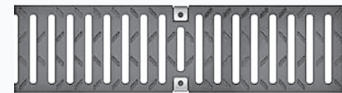
MIFAB®, Inc., 1321 West 119th Street, Chicago, Illinois 60643-5109, USA
All sales subject to MIFAB's Terms and Warranties, please refer to page no. 54.



TD-2025

**GRP & STEEL
TRENCH DRAIN SYSTEMS
CATALOG
2025**

**GRP & STEEL TRENCH
DRAIN PRODUCTS**



**2", 4", 8", 12" INTERNAL WIDTHS - SHALLOW CHANNELS - CATCH BASINS
(3", 6", 10" AND 14" OVERALL WIDTHS)**

LIT-046