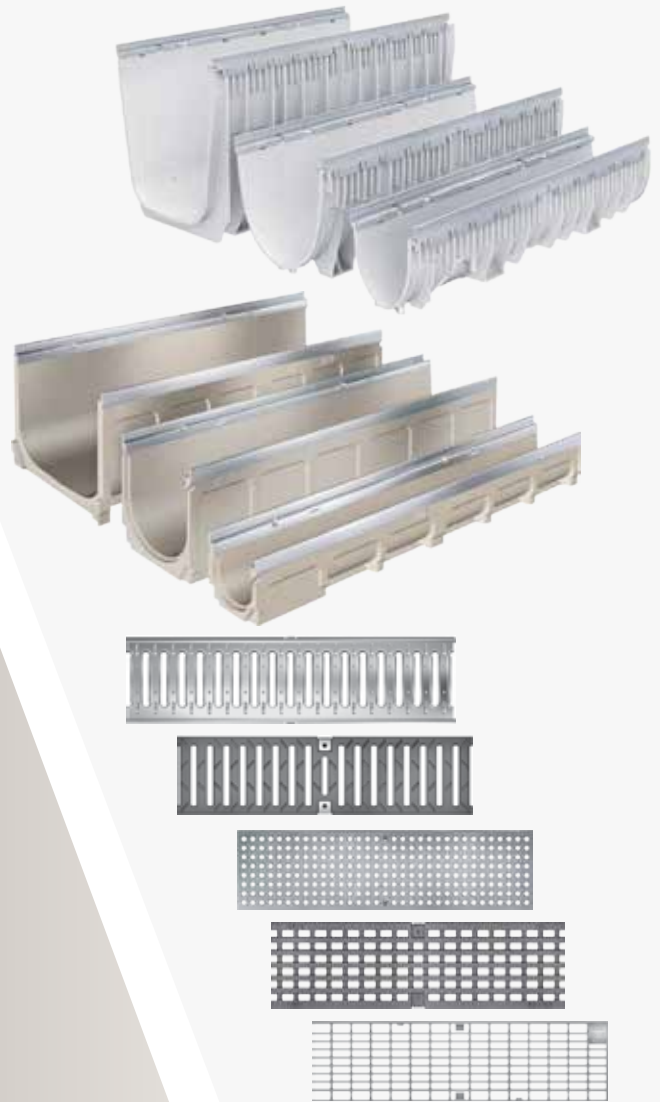




TD-2024-CONCRETE

TRENCH DRAIN CATALOG 2024

GRP & POLYMER CONCRETE
TRENCH DRAIN PRODUCTS




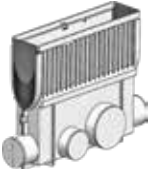








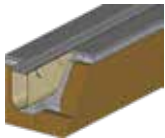








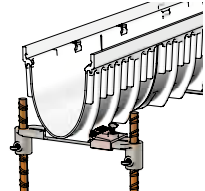



**4", 8", 12" INTERNAL WIDTHS - SHALLOW CHANNELS - CATCH BASINS
(6", 10" AND 14" OVERALL WIDTHS)**

LIT-086

Rev-1

PICTORIAL INDEX

 <p>GLASS FIBER REINFORCED POLYESTER (GRP) FOR MAXIMUM FLEXIBILITY (PAGE 4)</p>	 <p>GLASS FIBER REINFORCED POLYESTER (GRP) MATERIAL ADVANTAGES (PAGE 5)</p>	 <p>CLIPFIX / PROFIX UNIVERSAL GRATES (PAGE 6)</p>	 <p>CLIPFIX AND PROFIX UNIVERSAL GRATE FIXING MECHANISM (PAGE 7)</p>	 <p>T1400-CB620-13 - GALVANIZED STEEL EDGE RAIL, T1400-CB620 - NO EDGE RAIL, T1400-CB620-3 - STAINLESS STEEL EDGE RAIL, T1400-CB620-4 - DUCTILE IRON FRAME (PAGE 9)</p>
 <p>T1460 - NO EDGE RAIL, T1460-4 - DUCTILE IRON FRAME 4" INTERNAL WIDTH, SHALLOW CHANNEL (PAGES 9, 28)</p>	 <p>T1400-13 - GALVANIZED STEEL EDGE RAIL, T1400 - NO EDGE RAIL, T1400-3 - STAINLESS STEEL EDGE RAIL, T1400-4 - DUCTILE IRON FRAME 4" INTERNAL WIDTH CHANNELS (PAGE 10)</p>	 <p>T2000-CB620-13 - GALVANIZED STEEL EDGE RAIL, T2000-CB620 - NO EDGE RAIL, T2000-CB620-3 - STAINLESS STEEL EDGE RAIL, T2000-CB620-4 - DUCTILE IRON FRAME (PAGE 13)</p>	 <p>T2060 - NO EDGE RAIL, T2060-4 - DUCTILE IRON FRAME 8" INTERNAL WIDTH, SHALLOW CHANNEL (PAGE 13)</p>	 <p>T2000-13 - GALVANIZED STEEL EDGE RAIL, T2000 - NO EDGE RAIL, T2000-3 - STAINLESS STEEL EDGE RAIL, T2000-4 - DUCTILE IRON FRAME 8" INTERNAL WIDTH CHANNELS (PAGE 14)</p>
 <p>GRATES FOR T2200 - 8" INTERNAL WIDTH CHANNELS (PAGE 15)</p>	 <p>T3000-13 - GALVANIZED STEEL EDGE RAIL, T3000 - NO EDGE RAIL, 12" INTERNAL WIDTH CHANNELS (PAGE 18)</p>	 <p>T2000-CB2024 - FIBERGLASS CATCH BASIN (PAGE 18)</p>	 <p>T3100 - 12" INTERNAL WIDTH, PRESLOPED, FIBERGLASS CHANNELS (PAGE 20)</p>	 <p>GRATES FOR T3100 - 12" INTERNAL WIDTH CHANNELS (PAGE 21)</p>
 <p>T2200 - 8" INTERNAL WIDTH, PRESLOPED, FIBERGLASS HIGH CAPACITY CHANNELS (PAGE 22)</p>	 <p>T3200 - 12" INTERNAL WIDTH, PRESLOPED, FIBERGLASS HIGH CAPACITY CHANNELS (PAGE 22)</p>	 <p>T250 - 2" INTERNAL WIDTH (PAGE 23)</p>	 <p>T4000-HDSC - UTILITY TRENCH SYSTEM (PAGE 24)</p>	 <p>T300 - RESIDENTIAL / GARAGE TRENCH DRAIN PACK (PAGE 24)</p>
 <p>ACCESSORIES (PAGES 25, 26)</p>	 <p>T1460N SHALLOW CHANNEL INSTALLATION DETAILS (PAGE 27)</p>	 <p>GRP INSTALLATION GUIDE (PAGE 28)</p>	 <p>PROJECT REFERENCES (PAGES 30-31)</p>	

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

TABLE OF CONTENTS

Glass Fiber Reinforced Polyester (GRP) for Maximum Flexibility 4

GRP Material Advantage 5

Clipfix and Profix Universal Grates 6

Clipfix and Profix Universal Grate Fixing Mechanism and Channel / Grate Selection Guide 7

T1400 System Components and Features 8

T1460 - 4" Internal Width - Shallow Channels, Catch Basins & T1400 Accessories 9, 28

T1400 - 4" Internal Width Channels 10

Grates For T1400 & T1460 - 4" Internal Width Channels 11

T2000 System Components and Features 12

T2060 - 8" Internal Width - Shallow Channels, Catch Basins & T2000 Accessories 13

T2000 - 8" Internal Width Channels 14

Grates for T2000 & T2060 - 8" Internal Width Channels 15

T3000 System Components and Features 16

T3000 Catch Basins - 12" Internal Width Channels & Accessories 17

T3000 - 12" Internal Width Channels 18

T2000-CB2024 - 20" x 24" Catch basin for T1400, T2000 and T3000 Channels 18

Grates for T3000 - 12" Internal Width Channels 19

T3100 - 12" Internal Width, Presloped, Fiberglass Channels 20

Grates for T3100 - 12" Internal Width Channels 21

T2200 - 8" Internal Width, Presloped, Fiberglass High Capacity Channels 22

T3200 - 12" Internal Width, Presloped, Fiberglass High Capacity Channels 22

T250 - 2" Internal Width Channels and Grates 23

T4000-HDSC - Utility Trench System, various widths 24

T300 - Residential / Garage Trench Drain Pack 24

Accessories, Suspended slab installation and Typical Trench Drain sizing considerations 25

T1400, T2000, T3000, T3100 Accessories 26

Installation Device for shallow T1460 and T2060N channels 27

GRP Trench Drain Installation Guide 28

Chemical Resistance Chart 29

Project References 30, 31

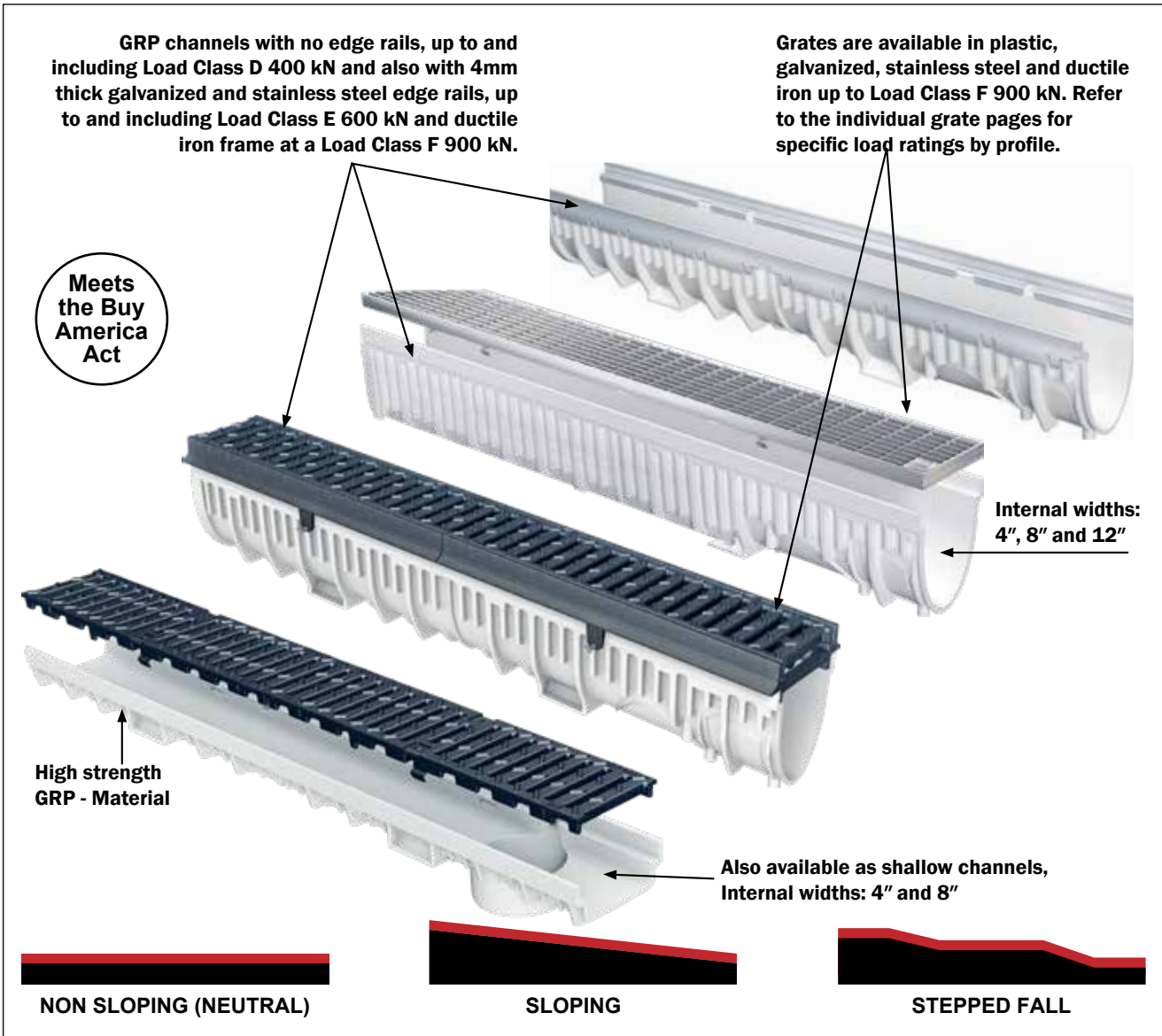
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

Glass Fiber Reinforced Polyester (GRP) for Maximum Flexibility



The GRP channels are ideal for:

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

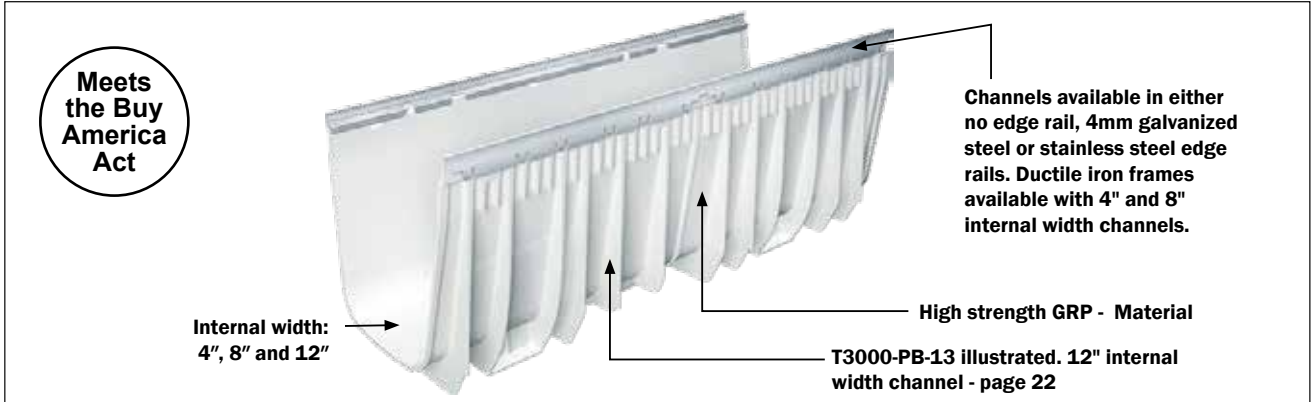
- ADA grates for handicapped accessible areas
- Heelproof grates for areas with high heels
- Ductile Iron slotted, longitudinal and decorative grates
- Perforated and mesh grates made of galvanized and stainless steel
- Slotted and longitudinal grates made of galvanized and stainless steel
- Slotted and longitudinal grates available in plastic

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

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.

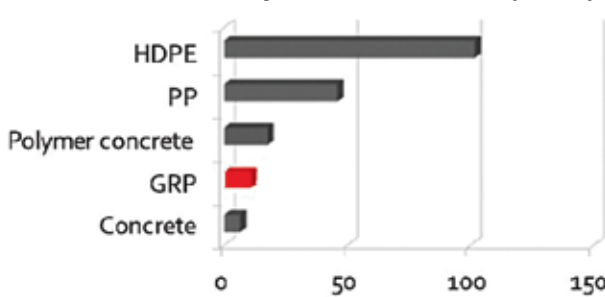
GRP channels are composed of glass fiber reinforced polyester. GRP channels are resistant to most chemicals and acids. A maximum working temperature (constant flow) of 212° Fahrenheit (100° C) and intermittent flow of 392° (200° C) is recommended. Typically, most other plastic materials (HDPE and PP) 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

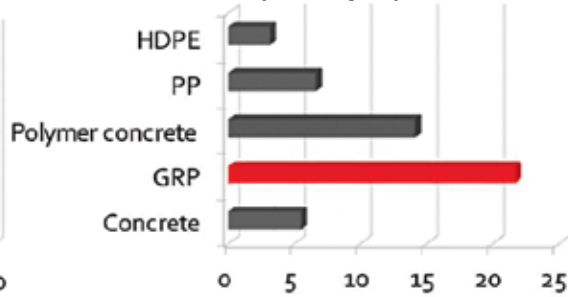
THESE SYSTEMS ARE EXPOSED TO: **ELEMENTS**
EXTREME DYNAMIC LOADS
CORROSIVE ENVIRONMENTS

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.



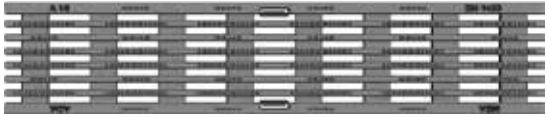




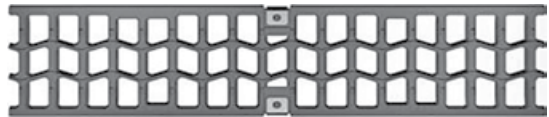

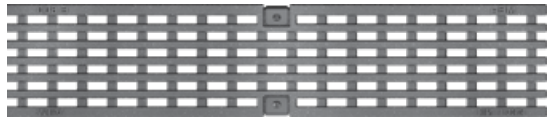


CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

CLIPFIX / PROFIX Universal Grates

<p>GALV. & S.S. - SLOTTED</p> <p style="text-align: right;">T1400, T1460</p>  <p style="text-align: center;">Load Class A, C, E</p>	<p>GALV. & S.S. - PERFORATED</p> <p style="text-align: right;">T1400, T1460</p>  <p style="text-align: center;">Load Class A, C</p>
<p>PLASTIC - LONGITUDINAL</p> <p style="text-align: right;">T1400, T1460</p>  <p style="text-align: center;">Load Class A</p>	<p>GALV. & S.S. - MESH</p> <p style="text-align: right;">T1400, T1460, T2000, T2060, T3000</p>  <p style="text-align: center;">Load Class A, C</p>
<p>PLASTIC - SLOTTED</p> <p style="text-align: right;">T1400, T1460</p>  <p style="text-align: center;">Load Class C</p>	<p>GALV. & S.S. - LONGITUDINAL</p> <p style="text-align: right;">T1400, T1460, T2000, T2060</p>  <p style="text-align: center;">Load Class B</p>
<p>DUCTILE IRON - SLOTTED</p> <p style="text-align: right;">T1400, T1460, T2000, T2060, T3000</p>  <p style="text-align: center;">Load Class C, E, F</p>	<p>DUCTILE IRON - WAVE</p> <p style="text-align: right;">T1400, T1460, T2000, T2060, T3000</p>  <p style="text-align: center;">Load Class C</p>
<p>DUCTILE IRON - HEELPROOF</p> <p style="text-align: right;">T1400, T1460, T2000, T2060, T3000</p>  <p style="text-align: center;">Load Class C, E</p>	<p>DUCTILE IRON - LONGITUDINAL</p> <p style="text-align: right;">T1400, T1460, T2000, T2060, T3000</p>  <p style="text-align: center;">Load Class E, F</p>
<p>DUCTILE IRON - BAVARIA</p> <p style="text-align: right;">T1400, T1460, T2000, T2060</p>  <p style="text-align: center;">Load Class C</p>	<p>STAINLESS STEEL - BAR</p> <p style="text-align: right;">T1400, T2000, T3000</p>  <p style="text-align: center;">Load Class E</p>

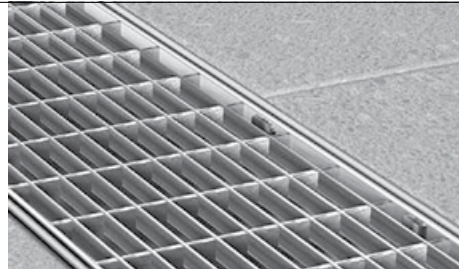
MIFAB® offers a wide range of grates for GRP and steel channel systems that are not just functional, but also aesthetically pleasing.

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

CLIPFIX Universal Grate Locking Design



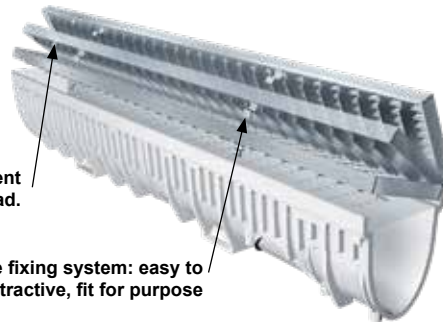
The MIFAB® GRP channels have been designed and optimized for our universal CLIPFIX grate fixing mechanism with longitudinal shift protection. The advantage: a large choice of grates and a comprehensive product offering.



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.

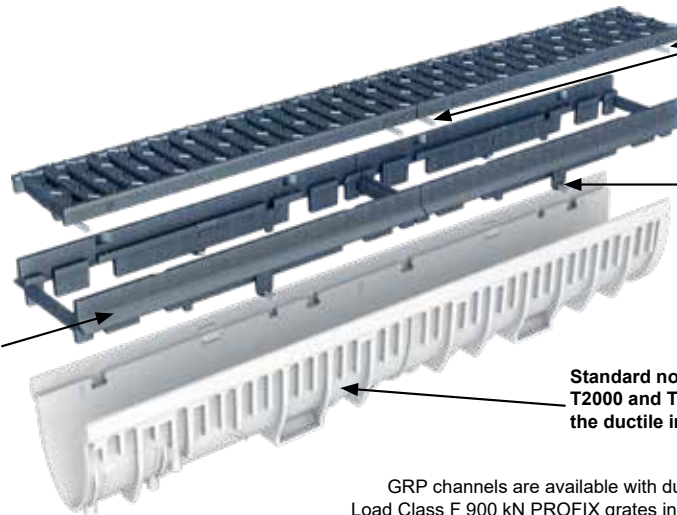


Universal CLIPFIX grate fixing system: easy to install, aesthetically attractive, fit for purpose

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	

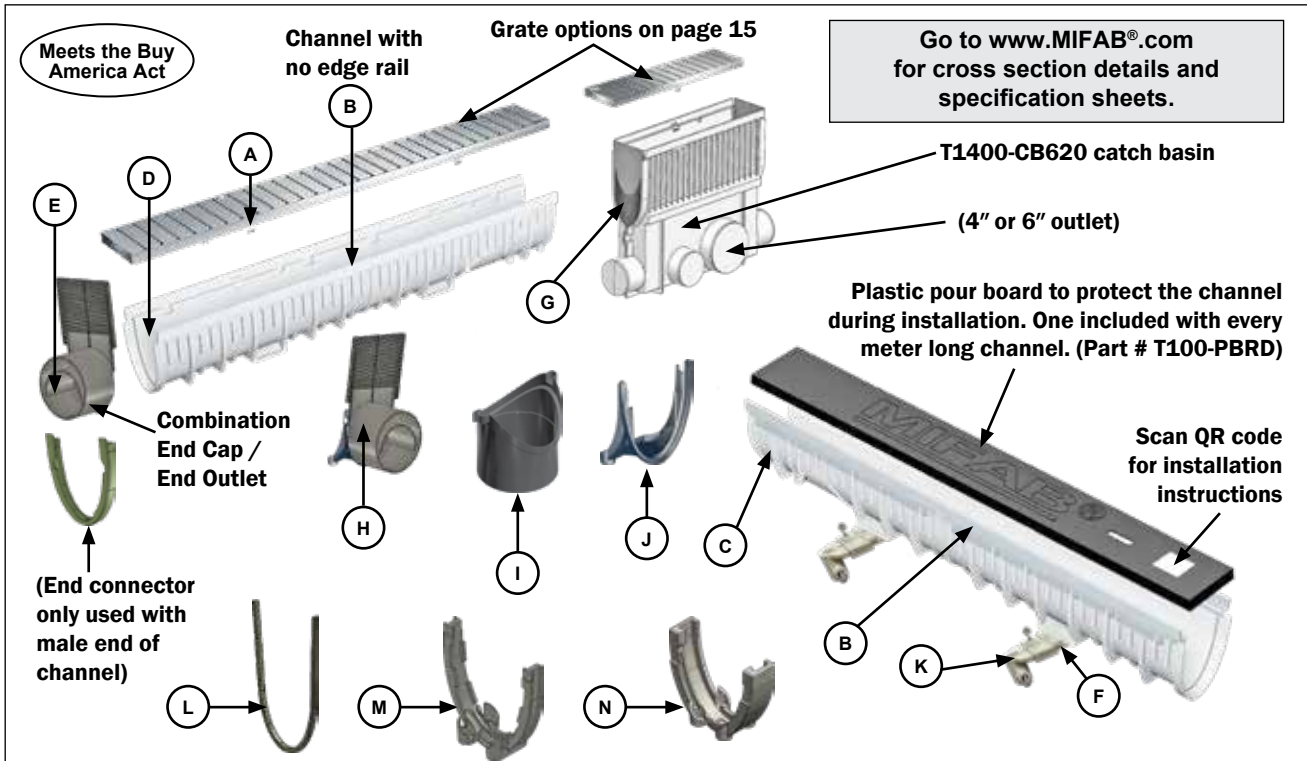
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

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 for 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 either 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 filler plates 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)

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")."

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

SCAN FOR SPEC. SHEETS

T1400-CB620 Catch Basin

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

NO EDGE RAILS (for up to and including Load Class C grates) Channel Model #	BODY TYPE Neutral - 0%	INVERT BODY DEPTH	T1460N-REB (two stainless steel brackets with mounting hardware)	OVERALL BODY DEPTH	MAXIMUM FLOW RATE GPM	WEIGHT (LESS GRATE) Lbs.
T1460N-PB	Neutral	2"		2.17"	55	4.12
T1460N-PB-500 (half meter long)	Neutral	2"	T1460-CI channel insert for T1460 shallow channels, if required.	2.17"	55	2.05
T1460N-PB-BO4	Neutral	2"		2.17"	55	4.12
T1460N-SVF-3 Type 304 Stainless Steel veneer frame for T1460N no edge channels, one meter long.				T1400-PFO-4 ductile iron frame Load Class F Ductile Iron frame for T1400 and T1460N channels		
T1400-PFO-4 Load Class F Ductile Iron frame for T1400 and T1460N no edge channels, half meter long, (two pieces needed per channel)				Available May, 2024		

Catch Basins For T1400 Channels

GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates) Catch Basin Model #	NO EDGE RAILS (for up to and including Load Class C grates) Catch Basin Model #	STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates) Catch Basin Model #	DUCTILE IRON FRAME (for Load Class F grates) Catch Basin Model #	BODY TYPE Neutral - 0%	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE) Lbs.
T1400-CB620-13	T1400-CB620	T1400-CB620-3	T1400-CB620-4	Neutral	19"	19.18"	12.74
Replacement sediment bucket	T1400-CB620-SB		Available May, 2024				

NOTE: All catch basins are shipped with the sediment bucket and two filler plates to accept all channel depths.



MODEL #	DESCRIPTION	MATERIAL
MI-FLEX-400	4" Flexible rubber coupling to connect. 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber
T1400-PBDS	Bottom Outlet Strainer	Stainless Steel
T1400-PEO	3" and 4" socket connection combination male end cap / end outlet, with connector	Plastic
T1400-PBO3	3" socket connection bottom outlet	Plastic
T1400-PBO4	4" socket connection bottom outlet	Plastic
T1400-REB	Replacement Installation Device. Two provided at no charge with every T1400 meter long channel.	Plastic
T1400-SIDE-ADAPT	Side Outlet Adapter for T1400N channel	Plastic
T1410-SIDE-ADAPT	Side Outlet Adapter for T1410N channel	Plastic
T1420-SIDE-ADAPT	Side Outlet Adapter for T1420N channel	Plastic
T1400-SO4	Side Outlet Connector (T1400-SIDE-ADAPT and T1400-PEO for T1400N)	Plastic
T1410-SO4	Side Outlet Connector (T1410-SIDE-ADAPT and T1400-PEO for T1410N)	Plastic
T1420-SO4	Side Outlet Connector (T1420-SIDE-ADAPT and T1400-PEO for T1420N)	Plastic
T1460-PEC	Closed End Cap for T1460N channels	Plastic
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
T1400-CI	Channel insert to fill expansion gap between channels (if required)	Plastic
T1400-PMCC	Male to male channel connector for 1 meter long T1400 channels	Plastic
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
T100-PBRD	Replacement pour board to protect the channel during installation. One included at no charge with every T1400 meter long channel.	Plastic
T1400-PEC	End cap for female end channels	Plastic
T1400-PEO3	3" No Hub side outlet (for cast iron pipe connections)	Plastic
T1400-PEO4	4" No Hub side outlet (for cast iron pipe connections)	Plastic

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

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. 64.



T1400-PB-13, T1400-PB-3
(Channels with galvanized and stainless steel integral edge rails)



T1400-PB
(Channel with no edge rail)



T1400-PB-4
(Channel with ductile iron frame)



SCAN FOR SPEC. SHEETS

Available May, 2024

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 GPM	WEIGHT (LESS GRATE) Lbs.
					E1 (Min.)	E2 (Max.)	E1 (Min.)	E2 (Max.)		
Channel Model #	Channel Model #	Channel Model #	Channel Model #	Sloped - .5% Neutral - 0%						
T1400N-PB-13	T1400N-PB	T1400N-PB-3	T1400N-PB-4	Neutral	5.78"	5.78"	6.23"	6.23"	137	7.94
T1400N-PB-13-500	T1400N-PB-500	T1400N-PB-3-500	T1400N-PB-4-500	Neutral	5.78"	5.78"	6.23"	6.23"	137	4.41
T1400N-PB-13-500-DC	T1400N-PB-500-DC	T1400N-PB-3-500-DC	T1400N-PB-4-500-DC	Neutral	5.78"	5.78"	6.23"	6.23"	137	4.41
T1401-PB-13	T1401-PB	T1401-PB-3	T1401-PB-4	Sloped	5.78"	5.98"	6.23"	6.42"	146	8.16
T1402-PB-13	T1402-PB	T1402-PB-3	T1402-PB-4	Sloped	5.98"	6.18"	6.42"	6.62"	155	8.32
T1403-PB-13	T1403-PB	T1403-PB-3	T1403-PB-4	Sloped	6.18"	6.38"	6.62"	6.82"	163	8.49
T1404-PB-13	T1404-PB	T1404-PB-3	T1404-PB-4	Sloped	6.38"	6.57"	6.82"	7.01"	173	8.66
T1405-PB-13	T1405-PB	T1405-PB-3	T1405-PB-4	Sloped	6.57"	6.77"	7.01"	7.21"	182	8.83
T1406-PB-13	T1406-PB	T1406-PB-3	T1406-PB-4	Sloped	6.77"	6.97"	7.21"	7.41"	192	8.99
T1407-PB-13	T1407-PB	T1407-PB-3	T1407-PB-4	Sloped	6.97"	7.16"	7.41"	7.60"	203	9.16
T1408-PB-13	T1408-PB	T1408-PB-3	T1408-PB-4	Sloped	7.16"	7.36"	7.60"	7.80"	212	9.33
T1409-PB-13	T1409-PB	T1409-PB-3	T1409-PB-4	Sloped	7.36"	7.56"	7.80"	8.00"	223	9.50
T1410-PB-13	T1410-PB	T1410-PB-3	T1410-PB-4	Sloped	7.56"	7.75"	8.00"	8.19"	235	9.67
T1410N-PB-13	T1410N-PB	T1410N-PB-3	T1410N-PB-4	Neutral	7.75"	7.75"	8.19"	8.19"	235	9.57
T1410N-PB-13-500	T1410N-PB-500	T1410N-PB-3-500	T1410N-PB-4-500	Neutral	7.75"	7.75"	8.19"	8.19"	235	4.78
T1410N-PB-13-500-DC	T1410N-PB-500-DC	T1410N-PB-3-500-DC	T1410N-PB-4-500-DC	Neutral	7.75"	7.75"	8.19"	8.19"	235	4.78
T1411-PB-13	T1411-PB	T1411-PB-3	T1411-PB-4	Sloped	7.75"	7.95"	8.19"	8.39"	246	9.83
T1412-PB-13	T1412-PB	T1412-PB-3	T1412-PB-4	Sloped	7.95"	8.15"	8.39"	8.59"	262	10.00
T1413-PB-13	T1413-PB	T1413-PB-3	T1413-PB-4	Sloped	8.15"	8.34"	8.59"	8.78"	273	10.17
T1414-PB-13	T1414-PB	T1414-PB-3	T1414-PB-4	Sloped	8.34"	8.54"	8.78"	8.98"	285	10.34
T1415-PB-13	T1415-PB	T1415-PB-3	T1415-PB-4	Sloped	8.54"	8.74"	8.98"	9.18"	298	10.50
T1416-PB-13	T1416-PB	T1416-PB-3	T1416-PB-4	Sloped	8.74"	8.93"	9.18"	9.38"	311	10.67
T1417-PB-13	T1417-PB	T1417-PB-3	T1417-PB-4	Sloped	8.93"	9.13"	9.38"	9.57"	323	10.84
T1418-PB-13	T1418-PB	T1418-PB-3	T1418-PB-4	Sloped	9.13"	9.33"	9.57"	9.77"	338	11.01
T1419-PB-13	T1419-PB	T1419-PB-3	T1419-PB-4	Sloped	9.33"	9.53"	9.77"	9.97"	350	11.17
T1420-PB-13	T1420-PB	T1420-PB-3	T1420-PB-4	Sloped	9.53"	9.72"	9.97"	10.16"	365	11.34
T1420N-PB-13	T1420N-PB	T1420N-PB-3	T1420N-PB-4	Neutral	9.72"	9.72"	10.16"	10.16"	365	11.42
T1420N-PB-13-500	T1420N-PB-500	T1420N-PB-3-500	T1420N-PB-4-500	Neutral	9.72"	9.72"	10.16"	10.16"	365	5.71
T1420N-PB-13-500-DC	T1420N-PB-500-DC	T1420N-PB-3-500-DC	T1420N-PB-4-500-DC	Neutral	9.72"	9.72"	10.16"	10.16"	365	5.71

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)	Weight (Lbs.)	
T100-PGA-13-FP	Class A Galvanized Perforated Grate, 1 meter	39.37" (1000)	3.85	
T100-PGA-13-FP-500	Class A Galvanized Perforated Grate, 1/2 meter	19.69" (500)	2.09	
T100-PGA-3-FP	Class A Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	3.85	
T100-PGA-3-FP-500	Class A Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	2.09	
T100-PGA-13-FS	Class A Galvanized Slotted Grate, 1 meter	39.37" (1000)	3.08	
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1/2 meter	19.69" (500)	2.86	
T100-PGA-3-FS	Class A Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	3.12	
T100-PGA-3-FS-500	Class A Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	2.42	
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	5.72	
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	3.08	
T100-PGA-HPP-BLK	Class A Plastic Longitudinal, Slotted Black Grate, 1/2 meter	19.69" (500)	1.80	
T100-PGA-HPP-GRY	Class A Plastic Longitudinal, Slotted Grey Grate, 1/2 meter	19.69" (500)	1.80	

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)	8.80	
T100-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter	19.69" (500)	4.37	
T100-PGB-3-WW	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1 meter	39.37" (1000)	8.80	
T100-PGB-3-WW-500	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1/2 meter	19.69" (500)	4.37	

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)	9.04	
T100-PGC-13-FP-500	Class C Galvanized Perforated Grate, 1/2 meter	19.69" (500)	4.51	
T100-PGC-3-FP	Class C Stainless Steel Perforated Grate, 1 meter	39.37" (1000)	9.04	
T100-PGC-3-FP-500	Class C Stainless Steel Perforated Grate, 1/2 meter	19.69" (500)	4.51	
T100-PGC-13-FS	Class C Galvanized Slotted Grate, 1 meter	39.37" (1000)	9.68	
T100-PGC-13-FS-500	Class C Galvanized Slotted Grate, 1/2 meter	19.69" (500)	4.59	
T100-PGC-3-FS	Class C Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	9.32	
T100-PGC-3-FS-500	Class C Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	4.62	
T100-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	11.50	
T100-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	5.80	
T100-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	11.50	
T100-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	5.80	
T100-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter	39.37" (1000)	10.25	
T100-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter	19.69" (500)	5.23	
T100-PGC-13-SD-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	7.43	
T100-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter	39.37" (1000)	10.07	
T100-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter	19.69" (500)	5.06	
T100-PGC-3-SD-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter	19.69" (500)	7.43	
T100-PGC-HPP	Class C Black Plastic Slotted Grate, 1/2 meter	19.69" (500)	2.35	
T100-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	7.26	
T100-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	7.26	
T100-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	10.12	
T100-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter	19.69" (500)	6.60	
T100-SCC-4	Class C Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	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)	9.68	
T100-PGE-13-FS-500	Class E Galvanized Slotted Grate, 1/2 meter	19.69" (500)	4.59	
T100-PGE-3-FS	Class E Stainless Steel Slotted Grate, 1 meter	39.37" (1000)	9.32	
T100-PGE-3-FS-500	Class E Stainless Steel Slotted Grate, 1/2 meter	19.69" (500)	4.62	
T100-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	8.36	
T100-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	8.36	
T100-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	8.36	
T100-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	10.70	
T100-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	10.70	
T100-PGE-3-SBG	Class E Stainless Steel Bar Grate	39.37" (1000)	12.00	
T100-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter	19.69" (500)	7.00	

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)	9.50	
T100-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	9.50	
T100-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	12.00	
T100-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter	19.69" (500)	12.00	

Note: Only available with ductile iron frame channels.

Note: Load Class F Ductile Iron 4 bolt slotted grate available upon request. (Part # T100-PGF-4-B)

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 are available. Same price as the -13 grates.

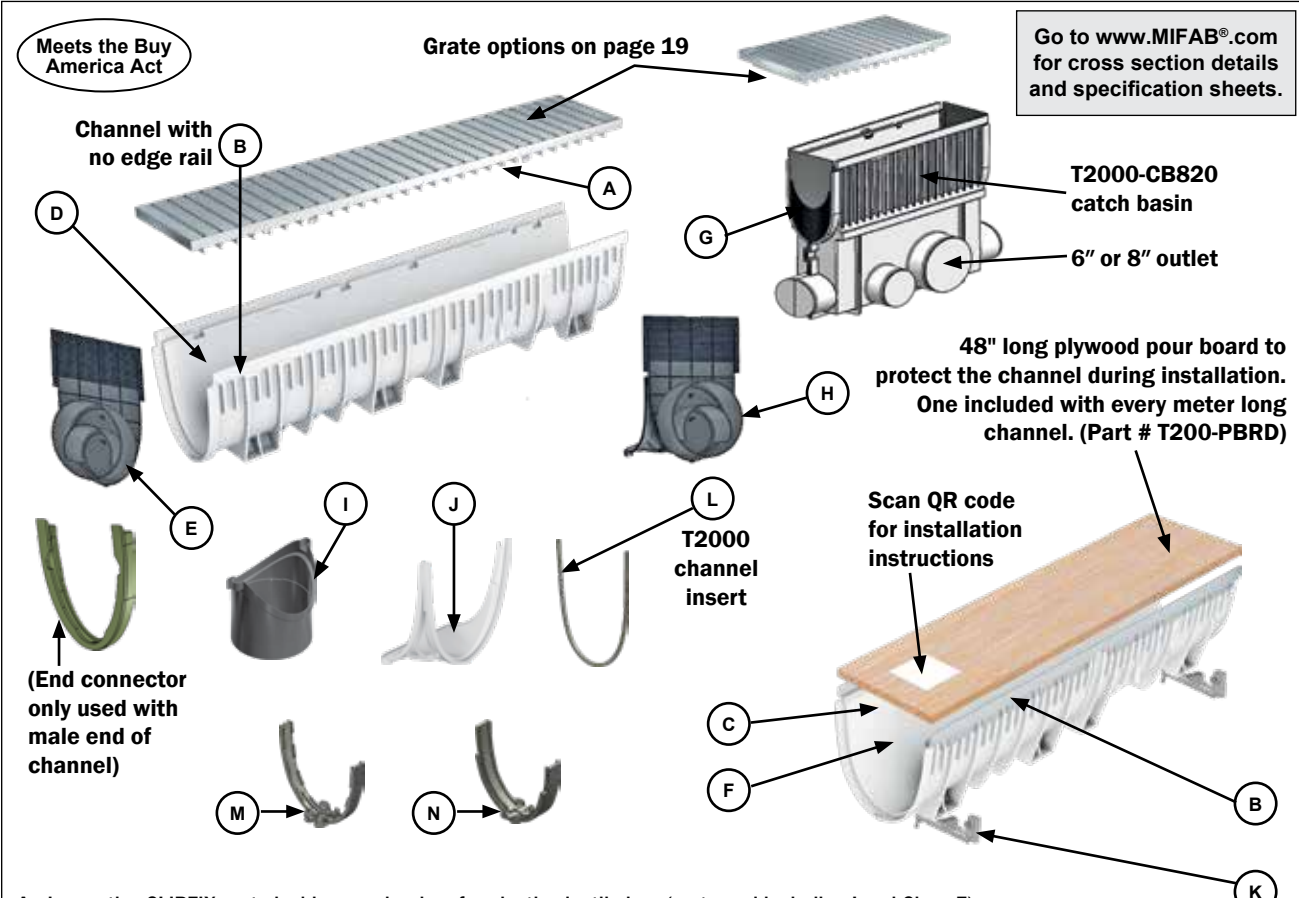
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

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 for 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 filler plates 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)

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.

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

SCAN FOR SPEC. SHEETS

T2000-CB820 Catch Basin

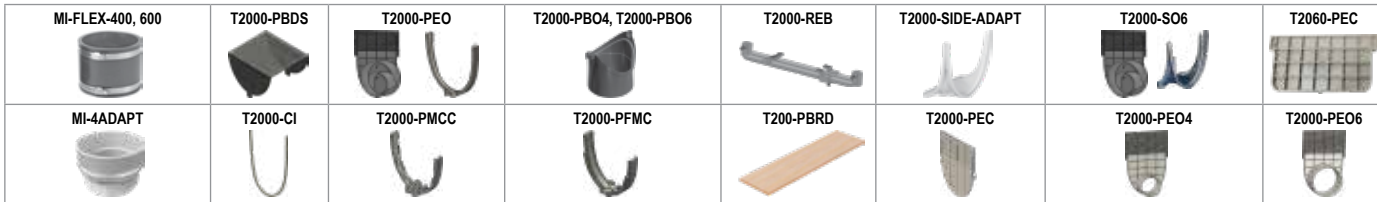
Go to www.MIFAB.com for cross section details and specification sheets.

NO EDGE RAILS (for up to and including Load Class C grates) Channel Model #	BODY TYPE Neutral - 0%	INVERT BODY DEPTH	T2060N-REB (two stainless steel brackets with mounting hardware)	OVERALL BODY DEPTH	MAXIMUM FLOW RATE GPM	WEIGHT (LESS GRATE) Lbs.
T2060N-PB	Neutral	3.54"		3.94"	260	7.45
T2060N-PB-500 (1/2 Meter long)	Neutral	3.54"	T2060-CI channel insert for T2060 shallow channels, if required.	3.94"	260	3.73
T2060N-PB-BO4	Neutral	3.54"		3.94"	260	7.45
T2060N-SVF-3 Type 304 Stainless Steel veneer frame for T2060N no edge channels, one meter long.				T2000-PFO-4 ductile iron frame		
T2000-PFO-4 Load Class F Ductile Iron frame for T2000 and T2060N no edge channels, one meter long, (two pieces needed per channel)				Load Class F Ductile Iron frame for T2000 and T2060N channels Available May, 2024		

Catch Basins For T2000 and T2060 Channels

GALVANIZED STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates) Catch Basin Model #	NO EDGE RAILS (for up to and including Load Class C grates) Catch Basin Model #	STAINLESS STEEL INTEGRAL EDGE RAILS (for up to and including Load Class E grates) Catch Basin Model #	DUCTILE IRON FRAME (for Load Class F grates) Catch Basin Model #	BODY TYPE Neutral - 0%	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE) Lbs.
T2000-CB820-13 Replacement sediment bucket	T2000-CB820	T2000-CB820-3	T2000-CB820-4 Available May, 2024	Neutral	29.50"	30.30"	82.75

NOTE: The T2000-CB820 catch basin includes the sediment bucket and two filler plates to accept all channel depths.



MODEL #	DESCRIPTION	MATERIAL
MI-FLEX-400	4" Flexible rubber coupling to connect. 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber
MI-FLEX-600	6" Flexible rubber coupling to connect. 6" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber
T2000-PBDS	Bottom Outlet Strainer	Stainless Steel
T2000-PEO	4" and 6" socket connection combination male end cap / end outlet, with connector.	Plastic
T2000-PBO4	4" Socket connection bottom outlet	Plastic
T2000-PBO6	6" Socket connection bottom outlet	Plastic
T2000-REB	Replacement Installation Device. Two provided at no charge with every T2000 meter long channel.	Plastic
T2000-SIDE-ADAPT	Side Outlet Adapter for T2000N channel	Plastic
T2010-SIDE-ADAPT	Side Outlet Adapter for T2010N channel	Plastic
T2020-SIDE-ADAPT	Side Outlet Adapter for T2020N channel	Plastic
T2000-SO6	Combination 4" or 6" Side Outlet Connector (T2000-SIDE-ADAPT & T2000-PEO for T2000N)	Plastic
T2010-SO6	Combination 4" or 6" Side Outlet Connector (T2010-SIDE-ADAPT & T2000-PEO for T2010N)	Plastic
T2020-SO6	Combination 4" or 6" Side Outlet Connector (T2020-SIDE-ADAPT & T2000-PEO for T2020N)	Plastic
T2060-PEC	Closed End Cap for T2060N channels	Plastic
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
T2000-CI	Channel insert to fill expansion gap between channels (if required)	Plastic
T2000-PMCC	Male to male channel connector for 1 meter long T2000 channels	Plastic
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
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
T2000-PEC	End cap for female end channels	Plastic
T2000-PEO4	4" No Hub side outlet (for cast iron pipe connections)	Plastic
T2000-PEO6	6" No Hub side outlet (for cast iron pipe connections)	Plastic

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

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. 64.



Meets the Buy America Act



T2000-PB Channel (with no edge rail)



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



SCAN FOR SPEC. SHEETS

Available May, 2024

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)
					E1 Min.	E2 Max.	E1 Min.	E2 Max.		
Channel Model #	Channel Model #	Channel Model #	Channel Model #	Sloped - .5% Neutral - 0%					GPM	Lbs.
T2000N-PB-13	T2000N-PB	T2000N-PB-3	T2000N-PB-4	Neutral	8.74"	8.74"	9.53"	9.53"	525	13.23
T2000N-PB-13-500 (half meter long channel)	T2000N-PB-500	T2000N-PB-3-500	T2000N-PB-4-500	Neutral	8.74"	8.74"	9.53"	9.53"	525	7.39
T2000N-PB-13-500-DC (half meter long channel, direction change)	T2000N-PB-500-DC	T2000N-PB-3-500-DC	T2000N-PB-4-500-DC	Neutral	8.74"	8.74"	9.53"	9.53"	525	7.39
T2001-PB-13	T2001-PB	T2001-PB-3	T2001-PB-4	Sloped	8.74"	8.93"	9.53"	9.73"	580	13.36
T2002-PB-13	T2002-PB	T2002-PB-3	T2002-PB-4	Sloped	8.93"	9.13"	9.73"	9.93"	605	13.52
T2003-PB-13	T2003-PB	T2003-PB-3	T2003-PB-4	Sloped	9.13"	9.33"	9.93"	10.12"	632	13.69
T2004-PB-13	T2004-PB	T2004-PB-3	T2004-PB-4	Sloped	9.33"	9.53"	10.12"	10.32"	650	13.86
T2005-PB-13	T2005-PB	T2005-PB-3	T2005-PB-4	Sloped	9.53"	9.72"	10.32"	10.52"	686	14.03
T2006-PB-13	T2006-PB	T2006-PB-3	T2006-PB-4	Sloped	9.72"	9.92"	10.52"	10.71"	715	14.19
T2007-PB-13	T2007-PB	T2007-PB-3	T2007-PB-4	Sloped	9.92"	10.12"	10.71"	10.91"	759	14.36
T2008-PB-13	T2008-PB	T2008-PB-3	T2008-PB-4	Sloped	10.12"	10.31"	10.91"	11.11"	789	14.53
T2009-PB-13	T2009-PB	T2009-PB-3	T2009-PB-4	Sloped	10.31"	10.51"	11.11"	11.30"	819	14.70
T2010-PB-13	T2010-PB	T2010-PB-3	T2010-PB-4	Sloped	10.51"	10.71"	11.30"	11.50"	850	14.86
T2010N-PB-13	T2010N-PB	T2010N-PB-3	T2010N-PB-4	Neutral	10.71"	10.71"	11.50"	11.50"	850	15.65
T2010N-PB-13-500 (half meter long channel)	T2010N-PB-500	T2010N-PB-3-500	T2010N-PB-4-500	Neutral	10.71"	10.71"	11.50"	11.50"	850	7.83
T2010N-PB-13-500-DC (half meter long channel, direction change)	T2010N-PB-500-DC	T2000N-PB-3-500-DC	T2010N-PB-4-500-DC	Neutral	10.71"	10.71"	11.50"	11.50"	850	7.83
T2011-PB-13	T2011-PB	T2011-PB-3	T2011-PB-4	Sloped	10.71"	10.90"	11.50"	11.70"	881	15.03
T2012-PB-13	T2012-PB	T2012-PB-3	T2012-PB-4	Sloped	10.90"	11.10"	11.70"	11.89"	915	15.20
T2013-PB-13	T2013-PB	T2013-PB-3	T2013-PB-4	Sloped	11.10"	11.30"	11.89"	12.09"	948	15.37
T2014-PB-13	T2014-PB	T2014-PB-3	T2014-PB-4	Sloped	11.30"	11.49"	12.09"	12.29"	983	15.53
T2015-PB-13	T2015-PB	T2015-PB-3	T2015-PB-4	Sloped	11.49"	11.69"	12.29"	12.49"	1018	15.70
T2016-PB-13	T2016-PB	T2016-PB-3	T2016-PB-4	Sloped	11.69"	11.89"	12.49"	12.68"	1052	15.87
T2017-PB-13	T2017-PB	T2017-PB-3	T2017-PB-4	Sloped	11.89"	12.08"	12.68"	12.88"	1119	16.04
T2018-PB-13	T2018-PB	T2018-PB-3	T2018-PB-4	Sloped	12.08"	12.28"	12.88"	13.08"	1155	16.20
T2019-PB-13	T2019-PB	T2019-PB-3	T2019-PB-4	Sloped	12.28"	12.48"	13.08"	13.27"	1194	16.37
T2020-PB-13	T2020-PB	T2020-PB-3	T2020-PB-4	Sloped	12.48"	12.67"	13.27"	13.47"	1233	16.54
T2020N-PB-13	T2020N-PB	T2020N-PB-3	T2020N-PB-4	Neutral	12.67"	12.67"	13.47"	13.47"	1233	17.50
T2020N-PB-13-500 (half meter long channel)	T2020N-PB-500	T2020N-PB-3-500	T2020N-PB-4-500	Neutral	12.67"	12.67"	13.47"	13.47"	1233	8.75
T2020N-PB-13-500-DC (half meter long channel, direction change)	T2020N-PB-500-DC	T2000N-PB-3-500-DC	T2020N-PB-4-500-DC	Neutral	12.67"	12.67"	13.47"	13.47"	1233	8.75

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

Grate Part #	Description		Length (MM)	Weight (Lbs.)	
T200-PGA-13-GM	Class A Galvanized Mesh Grate, 1 meter		39.37" (1000)	13.13	
T200-PGA-13-GM-500	Class A Galvanized Mesh Grate, 1/2 meter		19.69" (500)	6.82	
T200-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	13.13	
T200-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	6.82	

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

T200-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter		39.37" (1000)	16.02	
T200-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter		19.69" (500)	8.38	
T200-PGB-3-WW	Class B Stainless Longitudinal, anti slip WW grate, 1 meter		39.37" (1000)	16.32	
T200-PGB-3-WW-500	Class B Stainless Longitudinal, anti slip WW grate, 1/2 meter		19.69" (500)	8.31	

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)	24.33	
T200-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	11.66	
T200-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	24.33	
T200-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	11.66	
T200-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter		39.37" (1000)	47.08	
T200-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter		19.69" (500)	23.54	
T200-PGC-13-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	43.78	
T200-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter		39.37" (1000)	47.08	
T200-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter		19.69" (500)	23.54	
T200-PGC-3-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	43.78	
T200-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	13.86	
T200-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter		19.69" (500)	13.64	

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)	26.00	
----------------------	---	--	--------------	-------	--

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)	19.25	
T200-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	19.25	
T200-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	21.25	
T200-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	21.25	
T200-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter		39.37" (1000)	75.00	
T200-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter		19.69" (500)	40.00	

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)	22.00	
T200-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	22.00	
T200-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	24.00	
T200-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	24.00	

Note: Only available with ductile iron frame channels.

Note: Load Class F Ductile Iron 4 bolt slotted grate available upon request. (Part # T200-PGF-4-B)

See page 16 for explanation of ADA compliant grates

See page 16 for explanation of Heelproof compliant grates

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

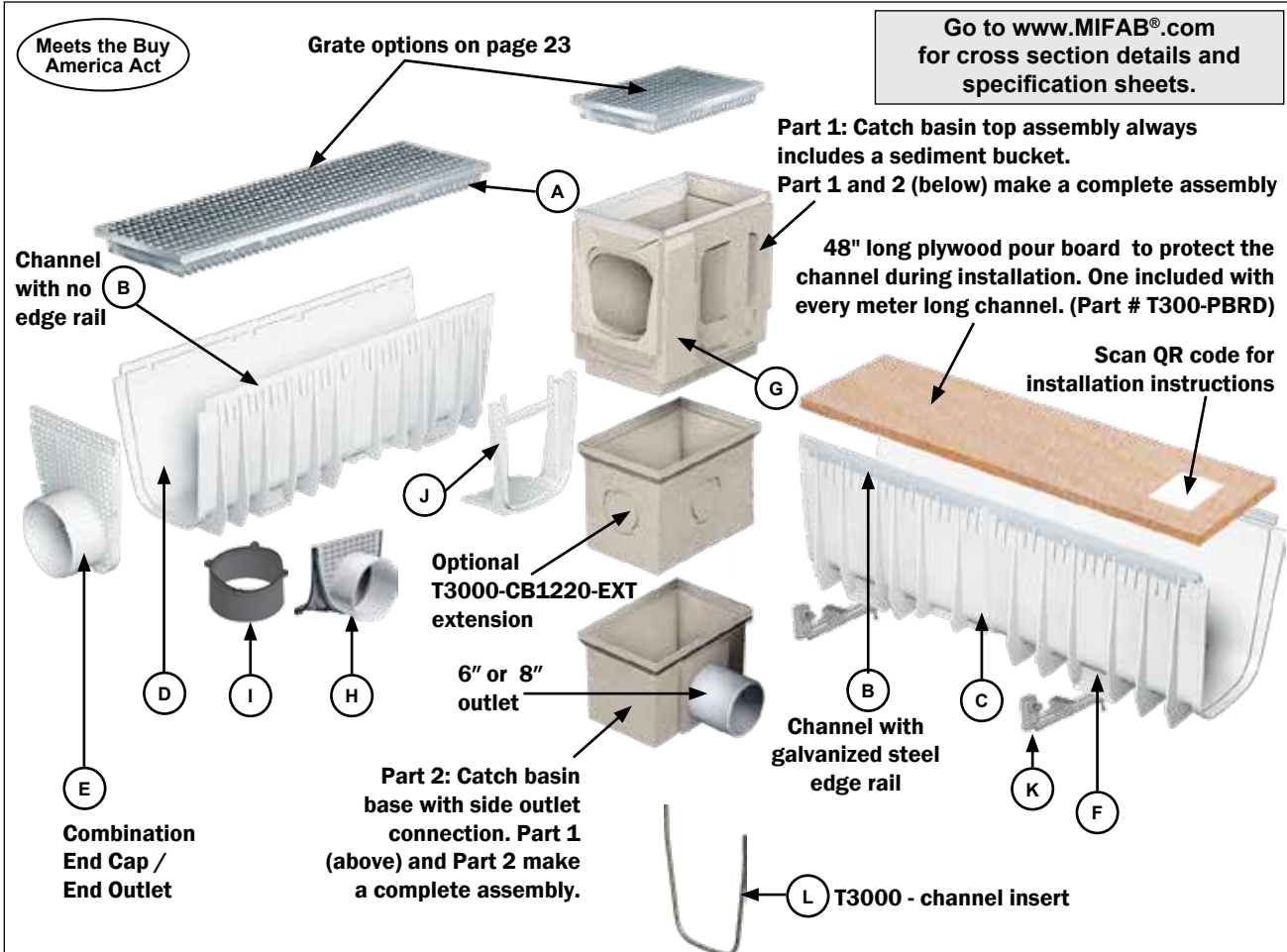
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

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")."

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

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)
Catch Basin Model #	Catch Basin Model #			Lbs.
T3000-CB1220-13-SO6	T3000-CB1220-SO6	32.45"	32.60"	152.03
T3000-CB1220-13-SO8	T3000-CB1220-SO8	32.45"	32.60"	152.03
Optional extension piece to install between base & top assembly for deeper inverts.	T3000-CB1220-EXT	13.78"	14.70"	48.50
Replacement sediment bucket.	T3000-CB1220-SB			

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

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 channel insert	T300-PBRD

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

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

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. 64.

T3000 GRP Channels



GALVANIZED STEEL INTEGRAL RAILS (for up to and including Load Class E grates) Channel Model #	NO EDGE RAILS (for up to and including Load Class C grates) Channel Model #	BODY TYPE Neutral - 0%	INVERT BODY DEPTH	OVERALL BODY DEPTH	MAXIMUM FLOW RATE GPM	WEIGHT (LESS GRATE) Lbs.
T3000N-PB-13	T3000N-PB	Neutral	14.17"	15.63"	3245	26.01
T3000N-PB-500-13	T3000N-PB-500	Neutral	14.17"	15.63"	3245	15.12
T3000N-PB-500-DC-13	T3000N-PB-500-DC	Neutral	14.17"	15.63"	3245	15.12

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

OUTLET CONNECTIONS
T2000-CB2024-PEO4 - 4"
T2000-CB2024-PEO6 - 6"
T2000-CB2024-PEO8 - 8"
T2000-CB2024-PEO10 - 10"
T2000-CB2024-PEO12 - 12"

CHANNEL ADAPTERS
T1400-CB2024-ADAPT
T2000-CB2024-ADAPT
T3000-CB2024-ADAPT
T3100-CB2024-ADAPT

OPTIONAL VARIATIONS
MODEL #
T2000-CB2024 (includes powder epoxy coated steel frame. Grates not included)
MODEL #
Powder epoxy coated steel sediment bucket (Part # T2000-CB2024-SB)
Stainless Steel Sediment Bucket (Part # T2000-CB2024-SB-3)

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)	Weight (Lbs.)	
T300-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter		39.37" (1000)	68.53	
T300-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	36.82	
T300-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	68.53	
T300-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	36.82	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	29.23	
T300-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	29.23	
T300-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	34.10	

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)	42.02	
T300-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	42.02	
T300-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	42.02	
T300-PGE-4-ADA	Class E Ductile Iron Longitudinal Slotted Grate, 1/2 meter		19.69" (500)	63.80	
T300-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Slotted Grate, 1/2 meter		19.69" (500)	63.80	
T300-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter		39.37" (1000)	100.00	
T300-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter Grate, 1/2 meter		19.69" (500)	60.00	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter		19.69" (500)	66.00	

See page 20 for explanation of ADA compliant grates

See page 20 for explanation of Heelproof compliant grates

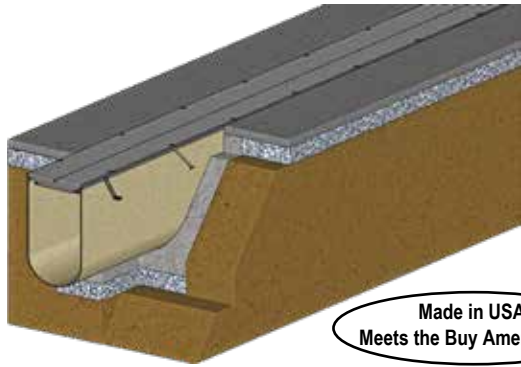
Black acid resistant epoxy coated ductile iron grates are available. Same price as the -13 grates.

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

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. 64.



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 25). 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

-3	Stainless steel frame
-13	Galvanized steel frame
-PBO10	10" No Hub bottom outlet (T3100-PBO10)
-PEC	Closed End Cap (T3100-PEC)
-PEO	6", 8" or 10" No Hub End Outlet (T3100-PEO6, T3100-PEO8 and T3100-PEO10)
Catch Basin	See page 22 for the T2000-CB2024 catch basin description, accessories and List Prices.
	Powder epoxy coated steel sediment bucket (Part # T2000-CB2024-SB)
	Stainless Steel Sediment Bucket (Part # T2000-CB2024-SB-3)
	Stainless steel frame for catch basin
	Galvanized steel frame for catch basin

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

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.

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®.

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)	Weight (Lbs.)	
T300-PGC-13-GM T300-PGC-13-GM-500 T300-PGC-3-SM T300-PGC-3-SM-500	Class C Galvanized Mesh Grate, 1 meter Class C Galvanized Mesh Grate, 1/2 meter Class C Stainless Steel Mesh Grate, 1 meter Class C Stainless Steel Mesh Grate, 1/2 meter		39.37" (1000) 19.69" (500) 39.37" (1000) 19.69" (500)	68.53 36.82 68.53 36.82	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	29.23	
T300-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	29.23	
T300-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	34.10	

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

T300-PGE-4 T300-PGE-4-13	Class E Ductile Iron Slotted Grate, 1/2 meter Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500) 19.69" (500)	42.02 42.02	
T300-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	42.02	
T300-PGE-4-ADA T300-PGE-4-ADA-13	Class E Ductile Iron Longitudinal Slotted Grate, 1/2 meter Class E Galvanized Ductile Iron Longitudinal Slotted Grate, 1/2 meter	 	19.69" (500) 19.69" (500)	63.80 63.80	
T300-PGE-3-SBG T300-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1 meter Class E Stainless Steel Bar Grate, 1/2 meter Grate, 1/2 meter		39.37" (1000) 19.69" (500)	100.00 60.00	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter	 	19.69" (500)	66.00	

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

T300-PGF-4-B T300-PGF-4-B-13	Class F Ductile Iron Slotted 4 Bolt Grate, 1/2 meter Class F Galvanized Ductile Iron Slotted 4 Bolt Grate, 1/2 meter		19.69" (500) 19.69" (500)	48.23 48.23	
---	---	--	------------------------------	----------------	--

Note: These 4 bolt grates are only to be used with the T3100 and T3200 systems - pages 24 and 26.

See page 20 for explanation of ADA compliant grates

See page 20 for explanation of Heelproof compliant grates

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

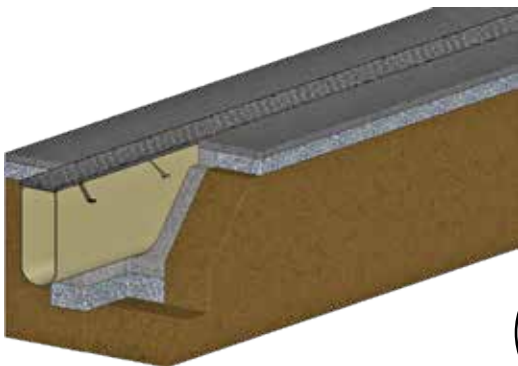
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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 end caps, 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



Made in USA.
Meets the Buy
America Act.

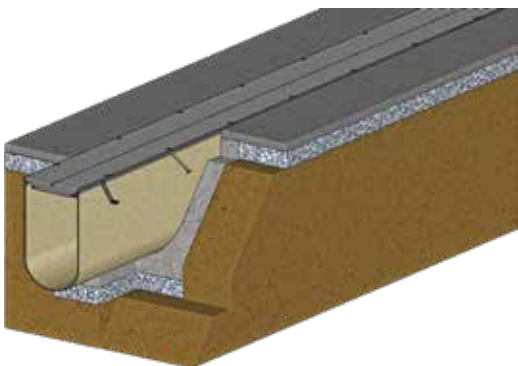
Specification: MIFAB[®] Series T2200 - 8" internal width trench drain manufactured from fiberglass channels, fabricated metal frames (specify powder coated steel, galvanized steel or stainless steel) and grates (specify ductile iron, galvanized steel, stainless steel or fiberglass in required Load Class and profile). Channels and frames are available in up to 20' long sections and channel depths range from 8" to 48". System includes factory attachment of all end plates, all necessary hardware, accessories and catch basins. Field assembly of frames to top of channels is required by others. No hub end outlets are available up to 8".

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 19 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.
Meets the Buy
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". System includes factory attachment of all end plates, all necessary hardware and accessories. Field assembly of frames to top of channels is required by others. No hub end outlets are available up to 10". Catch basins are also available.

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 25 for T300 Series grates for the T3200 channels.

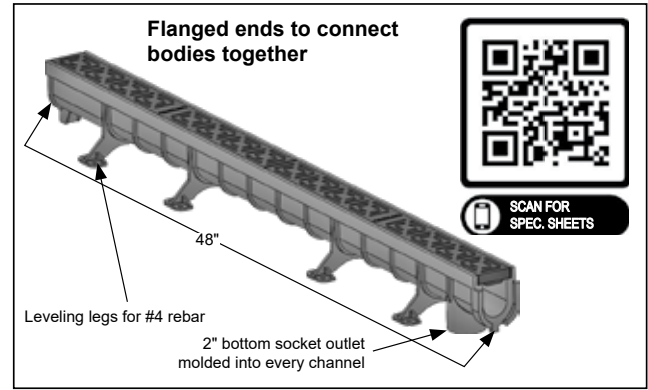
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SPECIFICATION:

MIFAB® 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.

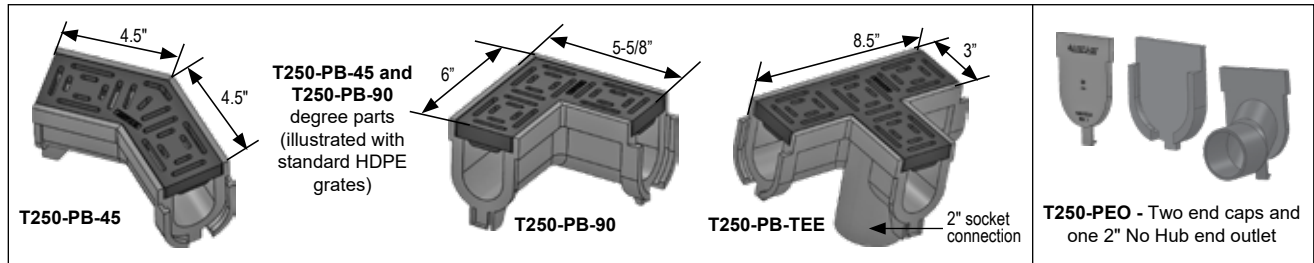
MODEL NUMBER	Description
T250-PB-BO	2" internal width, High Density Polyethylene (H.D.P.E.). channel with two 24" long HDPE grates and 2" bottom socket outlet.

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

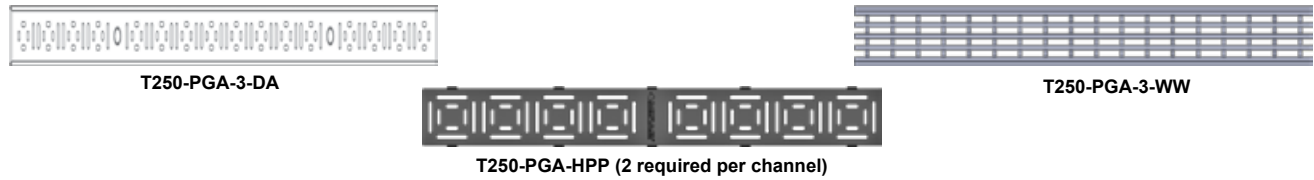


Grates	
Part Number	Description
T250-PGA-3-DA	Stainless Steel, Decorative grate - Class A, 48" long
T250-PGA-3-WW	Stainless Steel, Wedgewire grate - Class A, 48" long
End Caps / Outlets / Accessories	
Part Number	Description
T250-PEO	Two end caps and one 2" No Hub end outlet (3 pieces in total)
MI-FLEX-200	2" Flexible rubber coupling to connect 2" No Hub end outlet to drainage pipe

45° and 90° Fabrications	
Part Number	Description
T250-PB-45-HPP	45° Channel Section with HDPE grate, Class A
T250-PB-90-HPP	90° Channel Section with HDPE grate, Class A
T250-PB-TEE-HPP	Tee Channel Section with HDPE grate, Class A
T250-PB-45-3-DA	45° Channel Section with Stainless Steel, Decorative grate, Class A
T250-PB-90-3-DA	90° Channel Section with Stainless Steel, Decorative grate, Class A
T250-PB-TEE-DA	Tee Channel Section with Stainless Steel, Decorative grate, Class A
T250-PB-45-3-WW	45° Channel Section with Stainless Steel, Wedgewire grate, Class A
T250-PB-90-3-WW	90° Channel Section with Stainless Steel, Wedgewire grate, Class A
T250-PB-TEE-WW	Tee Channel Section with Stainless Steel, Wedgewire grate, Class A



Grates for T250 Trench Drain System



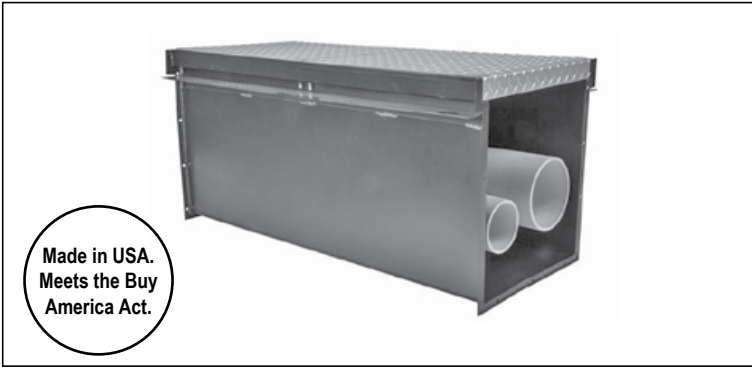
Grate Part Number	Suffix	Description	Material	Weight (lbs./ft.)	Length	Free Area (sq. in. per ft.)	Slot Width / Hole Size	ADA	Load Ratings			
									DIN	ANSI	H-20	FAA
T250-PGA-HPP	-HPP	Decorative	H.D.P.E.	0.70	24"	9.00	0.25"	Yes	A	Light Duty	No	No
T250-PGA-3-DA	-DA	Decorative	Stainless Steel	1.30	48"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

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

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 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. 64.



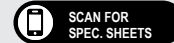
SPECIFICATION:

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
T4000-HDSC-4-4	4" Internal Width Channel, Ductile Iron Cover	C
T4000-HDSC-12-4	12" Internal Width Channel, Ductile Iron Cover	E
T4000-HDSC-18-13	18" Internal Width Channel, Galvanized Steel Diamond Plate Cover	C
T4000-HDSC-21-13	21" Internal Width Channel, Galvanized Steel Diamond Plate Cover	C

Accessories and 45° and 90° Fabrications - for all Channel Sizes.	
Order Guide Suffix	Description
-PB-90	90° Channel with cover
-CUT	Cutting / per cut - Net Price only
-CF	Cross 4 way channel connection
-PEC	End Caps



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.

Slim Trench® T300 Series



T300-DISPLAY

Each T300 display holds three kits. Each kit contains three 2-7/8" shallow depth, 1 meter long trench drains along with three bottom outlets, six end caps and three end outlets. Clips are provided to connect the channels together. Packed in a suitcase type carrier with handle. All accessories are located at the bottom of each kit. Provided grates are Load Class A.



T300-KIT



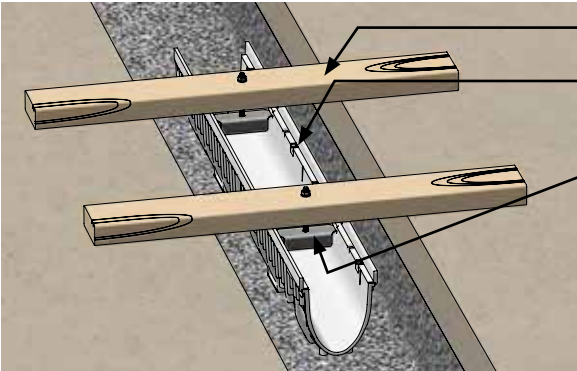
Note: Custom designs are available. Contact MIFAB®

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

ACCESSORIES

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

SUSPENDED SLAB INSTALLATION



Support bars (by others)

MIFAB® T1400 GRP trench drain channel illustrated

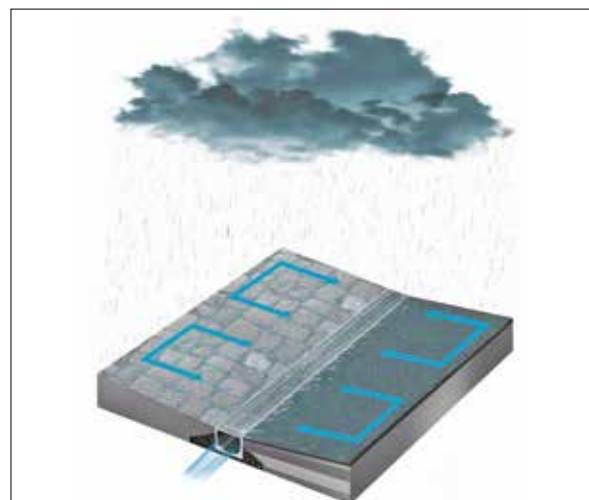
Brackets to bolt support bars for suspension of the trench drain channels within the slab. Available with T1400, T2000 and T3000 GRP channels.

Part #
Part # T1400-SUSP
Part # T2000-SUSP
Part # T3000-SUSP

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













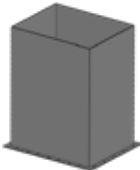




Please contact MIFAB®'s Engineering Department at sales@MIFAB.com for help to design your next trench drain project.

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

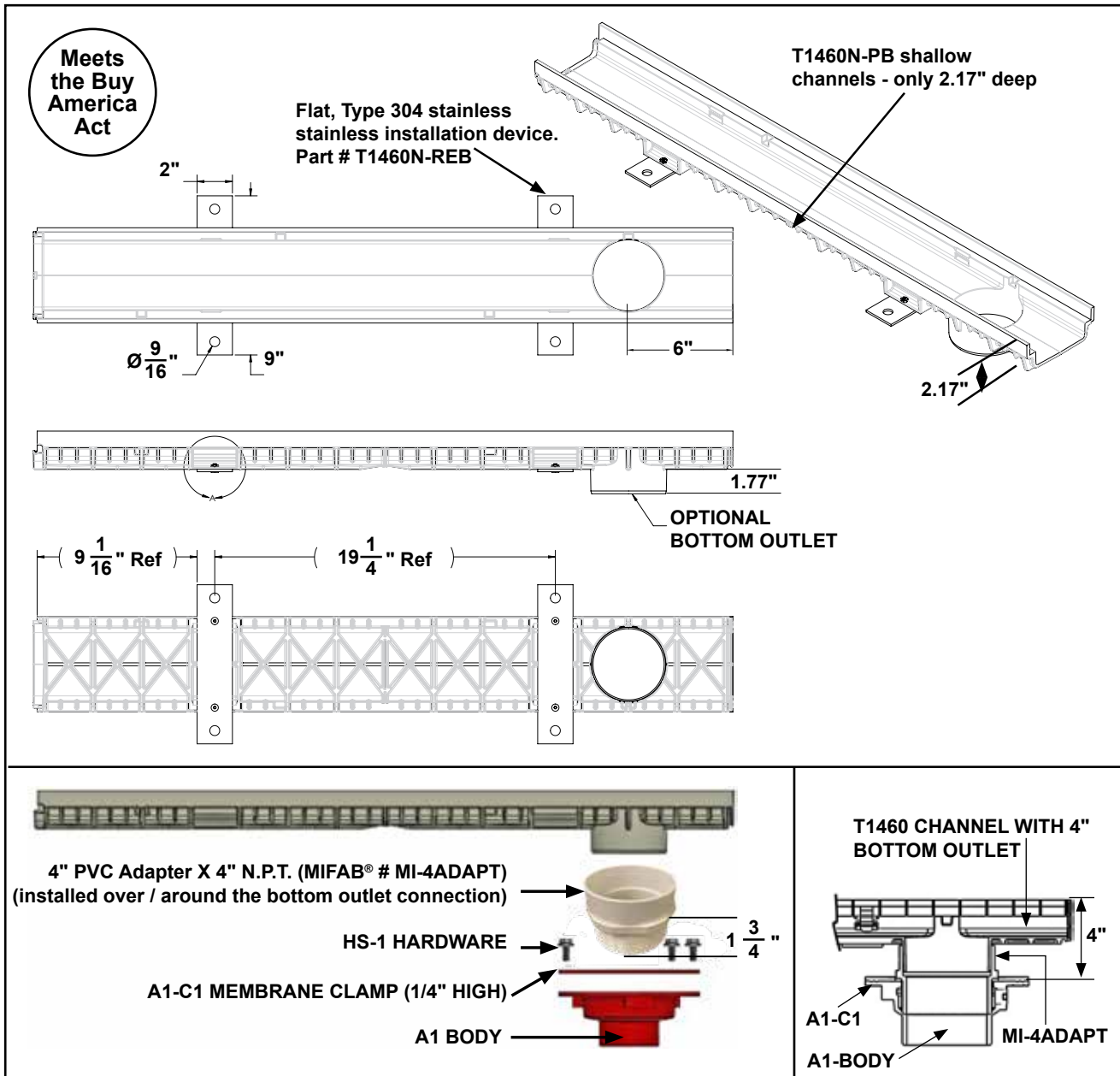
Visit www.mifab.com for the most recent product information. Design and dimensions are subject to modification. Prices do not include applicable taxes.

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

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. 64.

 <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-PEO3, T1400-PEO4 3" or 4" No hub end outlet for T1400 channels</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-CB-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-PEO4, T2000-PEO6 No hub end outlet for T2000 channels. Available in 4" and 6"</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-EXT Extension for the T2000-CB2024 catch basin</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 channels</p>	 <p>T3100-PEO6, 8, 10 6", 8" or 10" No hub end outlet for T3100 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>

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

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.

T1460N-REB

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

T2060N-REB

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

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

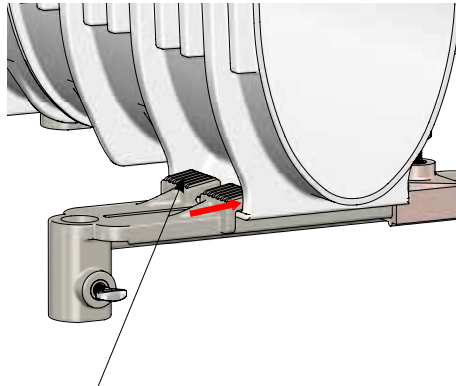
Visit www.mifab.com for the most recent product information. Design and dimensions are subject to modification. Prices do not include applicable taxes.

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

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. 64.

GRP Trench Installation Guide

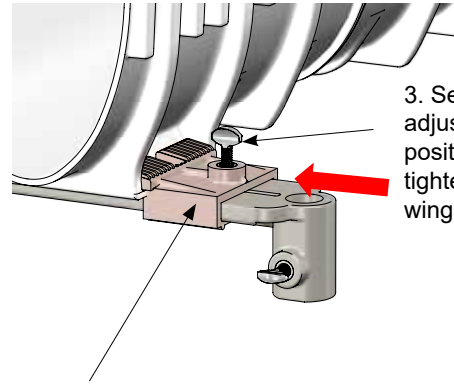
INSTALLATION GUIDE



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

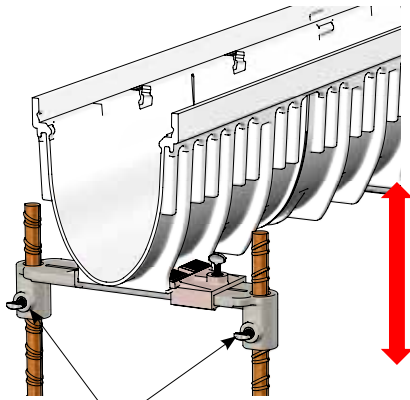


SCAN ME
**FOR
INSTALLATION
INSTRUCTIONS**



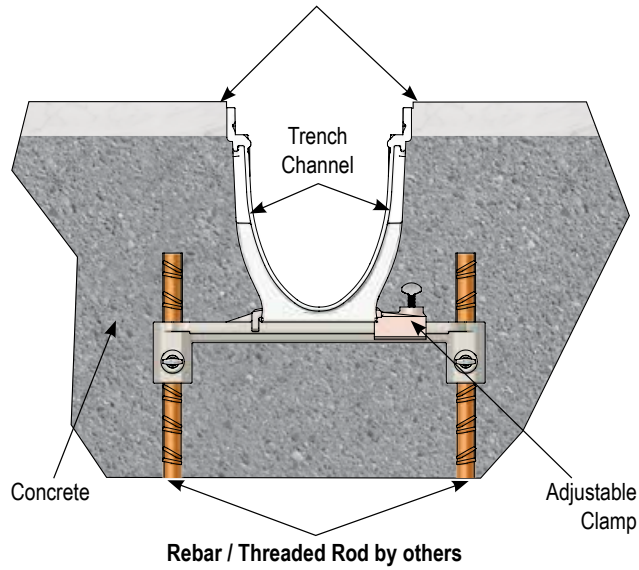
2. Push the adjustable slide against the channel lower profile until tight engagement.

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.

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.



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

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 resistant.

RT = room temperature (70° F)

GRP = Glass Fiber Reinforced Polyester

NOTE: Glass Fiber Reinforced Polyester (GRP) material is resistant to short-term exposure to inorganic acids and subsequent water rinsing.

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

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. 64.

PROJECT REFERENCES



TOWN CENTRES AND PEDESTRIAN AREAS



PARKING SPACES



GARDENING AND LANDSCAPING



PARKING GARAGES



OFFICE PLAZA



INDUSTRY AND COMMERCE

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

PROJECT REFERENCES



WAREHOUSES



ROADWAYS



FACTORIES



PROMENADE AREAS



LANDSCAPE AREAS

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

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. 64.





Cross Reference Guide

MIFAB®	ZURN	PAGE NO.
T1400-F	Z706	(page 28)
T2000-F	Z712	(page 28)
Contact MIFAB®	Z717	-
Contact MIFAB®	Z723	-
Contact MIFAB®	Z726	-
T1400	Z806	(pages 12 - 15)
T1400	ZF806	(pages 12 - 15)
T2000	Z812	(pages 16 - 19)
T2000	ZF812	(pages 16 - 19)
T1400-CB620	Z817 - 6" x 20"	(page 13)
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 17)
T2000-CB2424	ZF817 - 24" x 24"	-
T3000 T3100	Z874-12	(pages 20 - 23) (page 24)
Contact MIFAB®	Z874-18	-
Contact MIFAB®	Z874-21	-
T4000-HDSC	Z874-U-XX-LDRA	(page 36)
T4000-HDSC	Z874-U-XX-LDRS	(page 36)

MIFAB®	ZURN	PAGE NO.
T4000-HDSC-4	Z874-U-XX-HD	(page 36)
T250	Z880	(page 29)
T5000-158	ZA880-156	(page 34)
T5000-300	ZA880-300A	(page 35)
T5000-300	ZA880-300B	(page 35)
T5000-300	ZA880-340	(page 35)
T2000	Z882	(pages 16 - 19)
T1460	Z883	(page 13)
T300	Z884	(page 36)
T1400	Z886	(pages 12 - 15)
T1400-CB620	Z887 - 6" x 20"	(page 13)
T2000-CB820	Z887 - 12" x 24"	(page 17)
T2000-CB2024	Z887 - 24" x 24"	(page 22)
MIFAB®	JR Smith	PAGE NO.
T1460	9930	(page 13)
T1400	9930/ 9940	(pages 12 - 15)
T1400	9940	(pages 12 - 15)
T2000	9960	(pages 16 - 19)
T2000	9812	(pages 16 - 19)

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

PICTORIAL INDEX

 <p>POLYMER CONCRETE FOR MAXIMUM FLEXIBILITY (PAGE 36)</p>	 <p>POLYMER CONCRETE MATERIAL ADVANTAGES (PAGE 37)</p>	 <p>CLIPFIX / PROFIX UNIVERSAL GRATES (PAGE 38)</p>
 <p>CLIPFIX UNIVERSAL GRATE FIXING MECHANISM (PAGE 39)</p>	 <p>T1500-CB620-13 - GALVANIZED STEEL EDGE RAIL T1500-CB620-3 - STAINLESS STEEL EDGE RAIL T1500-CB620-4 - DUCTILE IRON EDGE RAIL 4" INTERNAL WIDTH CATCH BASINS (PAGE 41)</p>	 <p>T1560-13 - GALVANIZED STEEL EDGE RAIL T1560-3 - STAINLESS STEEL EDGE RAIL 4" INTERNAL WIDTH SHALLOW CHANNELS (PAGE 41)</p>
 <p>T1500-13 - GALVANIZED STEEL EDGE RAIL T1500-3 - STAINLESS STEEL EDGE RAIL T1500-4 - DUCTILE IRON EDGE RAIL 4" INTERNAL WIDTH CHANNELS (PAGE 42)</p>	 <p>T1760-13 - GALVANIZED STEEL EDGE RAIL T1760-3 - STAINLESS STEEL EDGE RAIL 8" INTERNAL WIDTH SHALLOW CHANNELS (PAGE 45)</p>	 <p>T1700-CB820-13 - GALVANIZED STEEL EDGE RAIL T1700-CB820-3 - STAINLESS STEEL EDGE RAIL T1700-CB820-4 - DUCTILE IRON EDGE RAIL 8" INTERNAL WIDTH CATCH BASINS (PAGE 45)</p>
 <p>T1700-13 - GALVANIZED STEEL EDGE RAIL T1700-3 - STAINLESS STEEL EDGE RAIL T1700-4 - DUCTILE IRON EDGE RAIL 8" INTERNAL WIDTH CHANNELS (PAGE 46)</p>	 <p>T1800-CB1220-13 - GALVANIZED STEEL EDGE RAIL T1800-CB1220-3 - STAINLESS STEEL EDGE RAIL T1800-CB1220-4 - DUCTILE IRON EDGE RAIL 12" INTERNAL WIDTH CATCH BASINS (PAGE 49)</p>	 <p>T1800-13 - GALVANIZED STEEL EDGE RAIL T1800-3 - STAINLESS STEEL EDGE RAIL T1800-4 - DUCTILE IRON EDGE RAIL 12" INTERNAL WIDTH CHANNELS (PAGE 50)</p>

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

TABLE OF CONTENTS

Polymer Concrete For Maximum Flexibility.....36

Polymer Concrete Material Advantages37

CLIPFIX / PROFIX Universal Grates.....38

CLIPFIX / PROFIX Universal Grate Locking Design and Channel / Grate Selection Guide.....39

TI500 System Components and Features40

TI560 - 4" internal width - shallow channels, Catch Basins for TI500 and TI560 channels.....41

TI500 4" Internal Width Channels42

Grates for TI500 & TI560 - 4" internal.....43

TI700 System Components and Features44

TI760 - 8" internal width - shallow channels and Catch Basins for TI700 and TI760 channels45

TI700 - 8" internal width channels.....46

Grates for TI700 & TI760 - 8" internal width channels47

TI800 System Components and Features48

Catch Basins for TI800 channels.....49

TI800 12" Internal Width Channels.....50

Grates for TI800 - 12" internal width channels51

T2000-CB2024 - 20" x 24" Catch Basin for TI500, TI700 & TI800 Channels.....51

Neutral Trench Drain Flow Rates vs. Sloped Trench Drain Flow Rates.....52

Flow Rate Comparison Calculation According To Manning & Strickler53

Accessories, Suspended Slab Installation and Typical Trench Drain Sizing Considerations54

Installation Guidelines 55, 56

Pipe Connections.....56

Polyurethane sealant for FRP trench drains, Installation detail for shallow TI560 channels57

Catch Basin Connection Plates.....58

Chemical Resistance Chart.....59

Grate Load Class Definitions, Transportation Classifications60

Project References.....61-62

Cross Reference.....63

Terms and Warranties64

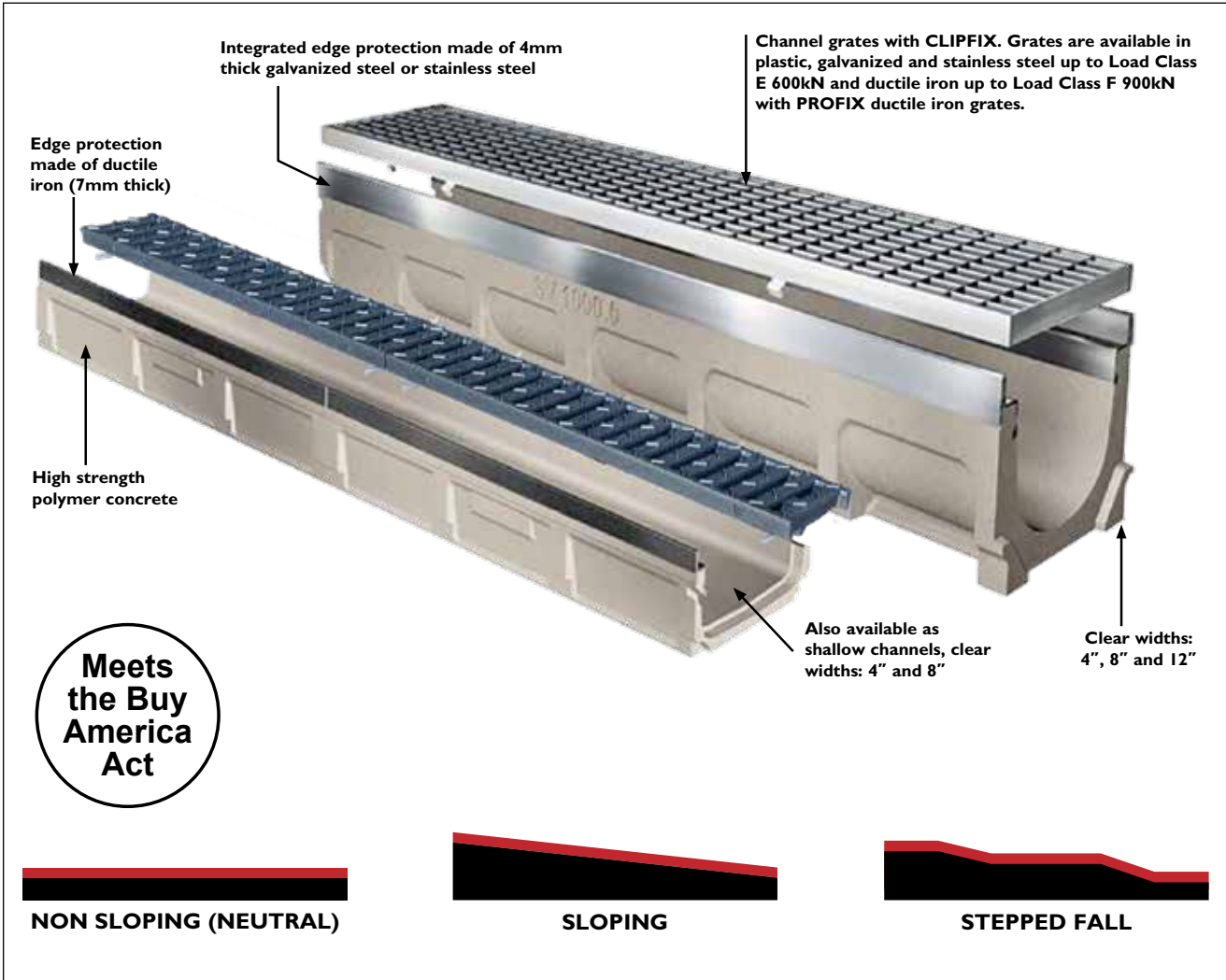
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

POLYMER CONCRETE FOR MAXIMUM FLEXIBILITY



**Meets
the Buy
America
Act**



NON SLOPING (NEUTRAL)



SLOPING



STEPPED FALL

The drainage channels made of polymer concrete 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 polymer concrete drainage channels with 4mm edges made of galvanized steel, stainless steel and ductile iron (7mm edges) have been designed for maximum stability and easy installation.

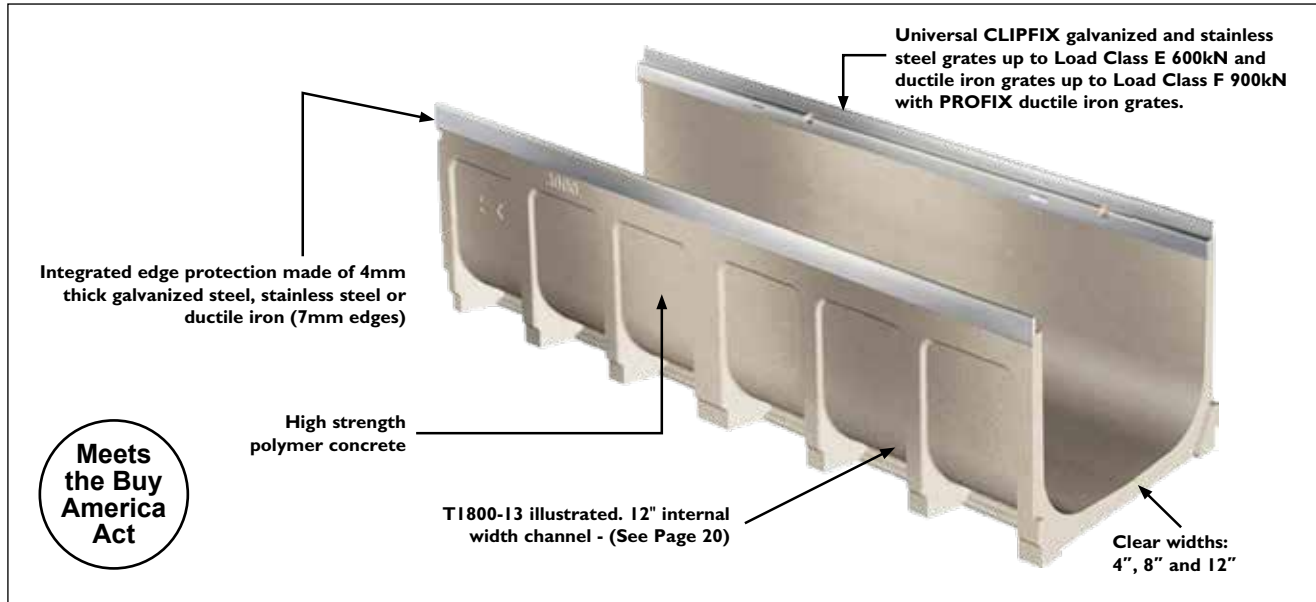
- ADA grates for handicapped accessible areas
- Heelproof grates for areas with high heels
- Ductile Iron slotted, longitudinal and decorative grates
- Perforated and mesh grates made of galvanized and stainless steel
- Slotted grates made of galvanized and stainless steel
- Longitudinal galvanized and stainless steel grates

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

POLYMER CONCRETE MATERIAL ADVANTAGES

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

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



POLYMER CONCRETE

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

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

A maximum working temperature of 180° F (82° C) is recommended. The minimum working temperature is -58° Fahrenheit (-50° C)

MATERIAL CHARACTERISTICS	
Compressive strength	14,000 p.s.i.
Flexural tensile strength	4,000 p.s.i.
Water adsorption	Below 0.05%
Water ingress depth	0 mm ²
Roughness Co-efficient (Manning's)	n=0.011
Freeze / Thaw	300 cycles modulus of elasticity - 95.1%
Surface Burning	Flame spread; 0 smoke density; 5 E84
Material structure	Capillary-free – ideal for the rapid discharge of water and dirt particles
Channel body weight	Significantly lighter than conventional concrete channels
Workability	Suitable for grinding disks, masonry drills
Ageing resistance	Frost proof, wear-resilient, & maintenance-free. Highly resistant to chemicals (pH range 3 to 9)




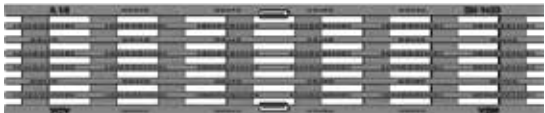

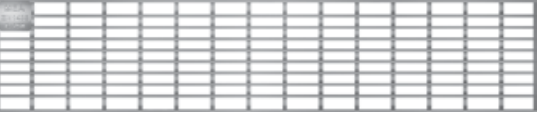









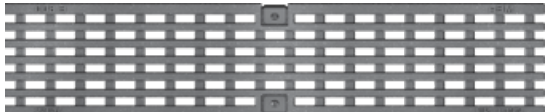



CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

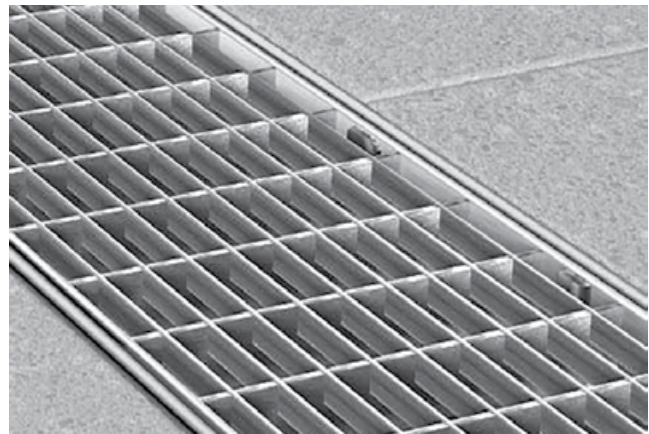
CLIPFIX / PROFIX UNIVERSAL GRATES

<p>GALV. & S.S. - SLOTTED</p> <p>T1500, T1560</p>  <p>Load Class A, C, E</p>	<p>GALV. & S.S. - PERFORATED</p>  <p>Load Class A, C</p> <p>T1500, T1560</p> 
<p>PLASTIC - LONGITUDINAL</p>  <p>Load Class A</p> <p>T1500, T1560</p> 	<p>GALV. & S.S. - MESH</p>  <p>Load Class C</p> <p>T1500, T1560 T1700, T1760</p> 
<p>PLASTIC - SLOTTED</p>  <p>Load Class A, C</p> <p>T1500, T1560</p> 	<p>GALV. & S.S. - LONGITUDINAL</p>  <p>Load Class B</p> <p>T1500, T1560 T1700, T1760</p> 
<p>DUCTILE IRON - SLOTTED</p>  <p>Load Class C, E, F</p> <p>T1500, T1560 T1700, T1760 T1800</p>	<p>DUCTILE IRON - WAVE</p>  <p>Load Class C</p> <p>T1500, T1560 T1700, T1760 T1800</p>
<p>DUCTILE IRON - HEELPROOF</p>  <p>Load Class C, E</p> <p>T1500, T1560 T1700, T1760 T1800</p> 	<p>DUCTILE IRON - LONGITUDINAL</p>  <p>Load Class E, F</p> <p>T1500, T1560 T1700, T1760 T1800</p> 
<p>DUCTILE IRON - BAVARIA</p>  <p>Load Class C</p> <p>T1500, T1560 T1700, T1760</p>	<p>STAINLESS STEEL - BAR</p>  <p>Load Class E</p> <p>T1500, T1700, T1800</p>

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

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

CLIPFIX UNIVERSAL GRATE LOCKING DESIGN



Polymer concrete 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.

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

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

Meets the Buy America Act

PROFIX GRATE LOCKING DESIGN - FOR CLASS F GRATES

Easy locking / unlocking of the Load Class F 900kN grates without any special tools

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

Meets the Buy America Act

CHANNEL / GRATE SELECTION GUIDE

	CHANNEL INTEGRAL EDGE RAIL MATERIAL	GRATES				
		Stainless Steel	Galvanized Steel	Ductile Iron	Galvanized Ductile Iron	Plastic
Polymer Concrete Systems	Stainless Steel Integral Edge Polymer Channels	X		X		X
	Galvanized Steel Integral Edge Polymer Channels		X	X	X	X
	Ductile Iron Integral Edge Polymer Channels			X	X	

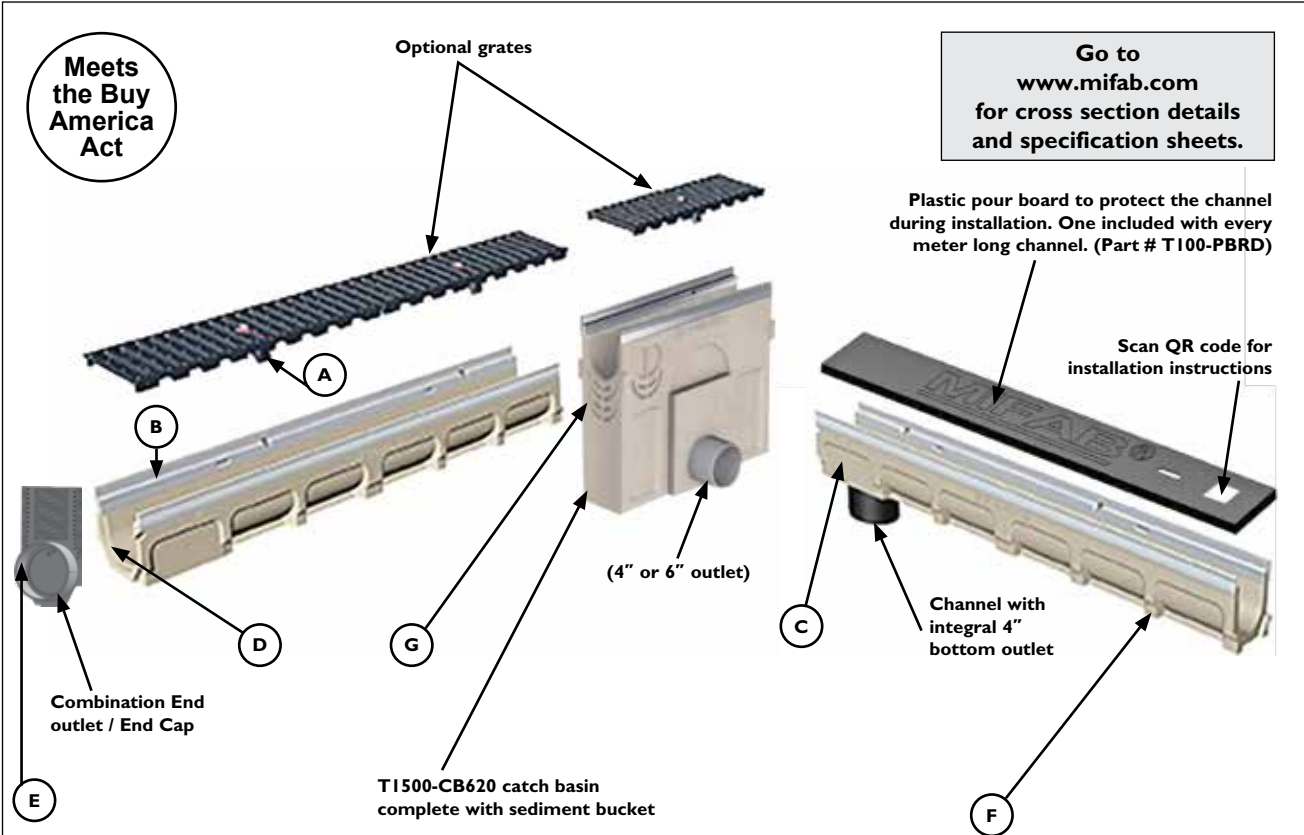
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

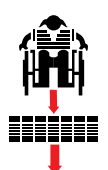
T1500 SYSTEM COMPONENTS AND FEATURES



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



ADA gratings 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 gratings 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.

T1560 - 4" INTERNAL WIDTH - SHALLOW CHANNELS


T1560N-PB-13
Channel Body




T1560N-PB-13-B04
Channel Body with integral 4" outlet



Meets the Buy America Act



SCAN ME



T1500-CB620
Catch Basin








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

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	BODY TYPE	INVERT BODY DEPTH	OVERALL BODY DEPTH	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	Channel Model #	Neutral - 0%			GPM	Lbs.
T1560N-PB-13	T1560N-PB-3	Neutral	1.78"	3.15"	48	21.87
T1560N-PB-13-500 (1/2 meter long)	T1560N-PB-3-500 (1/2 meter long)	Neutral	1.78"	3.15"	48	10.80
T1560N-PB-13-B04	T1560N-PB-3-B04	Neutral	1.78"	3.15"	48	21.38

CATCH BASINS FOR T1500 AND T1560 CHANNELS

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS	BODY TYPE	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE)
Catch Basin Model #	Catch Basin Model #	Catch Basin Model #	Neutral - 0%			Lbs.
T1500-CB620-13-SO4	T1500-CB620-3-SO4	T1500-CB620-4-SO4	Neutral	17"	17"	77.16
T1500-CB620-13-SO6	T1500-CB620-3-SO6	T1500-CB620-4-SO6	Neutral	17"	17"	77.16
T1500-CB620-SB	Replacement sediment bucket					

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

						
MI-FLEX-400	T1500-PBDS	T1500-PEO Grey Plastic End Cap / Outlet - 4"	T1500-PEO-BLK Black Plastic End Cap / Outlet for channels with ductile iron rails - 4"	T1500-REB (Installation Device) Optional Installation Device (Two required per channel) (Not suitable for T1560)	T1560-PEC Closed End Cap for T1560N Channels	T100-PBRD

MODEL #	DESCRIPTION	MATERIAL	WEIGHT (Lbs.)
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	0.50
T1500-PBDS	Bottom Dome Strainer	Stainless Steel	0.20
T1500-PEO	4" No Hub grey plastic End Cap / Outlet	Plastic	0.44
T1500-PEO-BLK	4" No Hub black plastic End Cap / Outlet for channels with ductile iron rails	Plastic	0.44
T1500-REB	Installation Device (See page 25) (Two required per channel) (Not suitable for T1560)	Galvanized Steel	0.22
T1560-PEC-13	Closed End Cap for T1560N-13 channels	Galvanized Steel	0.20
T1560-PEC-3	Closed End Cap for T1560N-3 channels	Stainless Steel	0.20
T100-PBRD	Replacement plastic pour board to protect the channel during installation. One included with every meter long channel	Plastic	2.00

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

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. 64.


T1500 - 4" INTERNAL WIDTH CHANNELS
T1500-4
 (Channel with ductile iron integral edge rails)

T1500-13, T1500-3
 (Channels with galvanized and stainless steel integral edge rails)

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

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS (for Load Class F grates)	BODY TYPE	INVERT BODY DEPTH		OVERALL BODY DEPTH		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
				E1 (Min.)	E2 (Max.)	E1 (Min.)	E2 (Max.)		
Channel Model #	Channel Model #	Channel Model #	Sloped - .5% Neutral - 0%						
T1500N-PB-13	T1500N-PB-3	T1500N-PB-4	Neutral	4.34"	4.34"	5.91"	5.91"	109	34.94
T1500N-PB-13-BO4	T1500N-PB-3-BO4	T1500N-PB-4-BO4	Neutral	4.34"	4.34"	5.91"	5.91"	109	31.97
T1500N-PB-13-500	T1500N-PB-3-500	T1500N-PB-4-500	Neutral	4.34"	4.34"	5.91"	5.91"	109	16.95
T1501-PB-13	T1501-PB-3	T1501-PB-4	Sloped	4.34"	4.53"	5.91"	6.11"	117	31.97
T1502-PB-13	T1502-PB-3	T1502-PB-4	Sloped	4.53"	4.73"	6.11"	6.30"	125	31.97
T1503-PB-13	T1503-PB-3	T1503-PB-4	Sloped	4.73"	4.93"	6.30"	6.50"	135	33.07
T1504-PB-13	T1504-PB-3	T1504-PB-4	Sloped	4.93"	5.12"	6.50"	6.70"	143	33.36
T1505-PB-13	T1505-PB-3	T1505-PB-4	Sloped	5.12"	5.32"	6.70"	6.89"	151	34.17
T1506-PB-13	T1506-PB-3	T1506-PB-4	Sloped	5.32"	5.52"	6.89"	7.09"	160	35.27
T1507-PB-13	T1507-PB-3	T1507-PB-4	Sloped	5.52"	5.71"	7.09"	7.29"	170	36.38
T1508-PB-13	T1508-PB-3	T1508-PB-4	Sloped	5.71"	5.91"	7.29"	7.49"	179	36.38
T1509-PB-13	T1509-PB-3	T1509-PB-4	Sloped	5.91"	6.11"	7.49"	7.68"	189	37.48
T1510-PB-13	T1510-PB-3	T1510-PB-4	Sloped	6.11"	6.30"	7.68"	7.88"	198	37.96
T1510-PB-13-BO4	T1510-PB-3-BO4	T1510N-PB-4-BO4	Sloped	6.11"	6.30"	7.68"	7.88"	198	37.48
T1510N-PB-13	T1510N-PB-3	T1510N-PB-4	Neutral	6.30"	6.30"	7.88"	7.88"	198	37.99
T1510N-PB-13-BO4	T1510N-PB-3-BO4	T1510N-PB-4-500	Neutral	6.30"	6.30"	7.68"	7.88"	198	38.58
T1510N-PB-13-500	T1510N-PB-3-500	T1511-PB-4	Neutral	6.30"	6.30"	7.88"	7.88"	198	19.84
T1511-PB-13	T1511-PB-3	T1512-PB-4	Sloped	6.30"	6.50"	7.88"	8.08"	209	39.03
T1512-PB-13	T1512-PB-3	T1513-PB-4	Sloped	6.50"	6.70"	8.08"	8.27"	219	39.65
T1513-PB-13	T1513-PB-3	T1514-PB-4	Sloped	6.70"	6.89"	8.27"	8.47"	230	40.26
T1514-PB-13	T1514-PB-3	T1515-PB-4	Sloped	6.89"	7.09"	8.47"	8.67"	241	40.88
T1515-PB-13	T1515-PB-3	T1516-PB-4	Sloped	7.09"	7.29"	8.67"	8.86"	252	41.50
T1516-PB-13	T1516-PB-3	T1517-PB-4	Sloped	7.29"	7.49"	8.86"	9.06"	268	42.11
T1517-PB-13	T1517-PB-3	T1518-PB-4	Sloped	7.49"	7.68"	9.06"	9.26"	281	42.73
T1518-PB-13	T1518-PB-3	T1519-PB-4	Sloped	7.68"	7.88"	9.26"	9.45"	293	43.35
T1519-PB-13	T1519-PB-3	T1520-PB-4	Sloped	7.88"	8.08"	9.45"	9.65"	306	43.97
T1520-PB-13	T1520-PB-3	T1520N-PB-4-BO4	Sloped	8.08"	8.27"	9.65"	9.85"	319	44.58
T1520-PB-13-BO4	T1520-PB-3-BO4	T1520N-PB-4	Sloped	8.08"	8.27"	9.65"	9.85"	319	44.58
T1520N-PB-13	T1520N-PB-3	T1520N-PB-4-500	Neutral	8.27"	8.27"	9.85"	9.85"	319	45.19
T1520N-PB-13-BO4	T1520N-PB-3-BO4		Neutral	8.27"	8.27"	9.85"	9.85"	319	45.19
T1520N-PB-13-500	T1520N-PB-3-500		Neutral	8.27"	8.27"	9.85"	9.85"	319	22.93
T1521-PB-13	T1521-PB-3		Sloped	8.27"	8.47"	10.04"	10.24"	331	47.95
T1522-PB-13	T1522-PB-3		Sloped	8.47"	8.67"	10.24"	10.44"	346	48.57
T1523-PB-13	T1523-PB-3		Sloped	8.67"	8.86"	10.44"	10.63"	360	49.19
T1524-PB-13	T1524-PB-3		Sloped	8.86"	9.06"	10.63"	10.83"	374	49.80
T1525-PB-13	T1525-PB-3		Sloped	9.06"	9.26"	10.83"	11.03"	388	50.42
T1526-PB-13	T1526-PB-3		Sloped	9.26"	9.45"	11.03"	11.23"	412	51.04
T1527-PB-13	T1527-PB-3		Sloped	9.45"	9.65"	11.23"	11.42"	428	51.65
T1528-PB-13	T1528-PB-3		Sloped	9.65"	9.85"	11.42"	11.62"	444	52.27
T1529-PB-13	T1529-PB-3		Sloped	9.85"	10.04"	11.62"	11.82"	460	52.89
T1530-PB-13	T1530-PB-3		Sloped	10.04"	10.24"	11.82"	12.01"	477	53.51
T1530-PB-13-BO4	T1530-PB-3-BO4		Sloped	10.04"	10.24"	11.82"	12.01"	477	53.51

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)	Weight (Lbs.)	
T100-PGA-13-FP	Class A Galvanized Perforated Grate, 1 meter		39.37" (1000)	3.85	
T100-PGA-13-FP-500	Class A Galvanized Perforated Grate, 1/2 meter		19.69" (500)	2.09	
T100-PGA-3-FP	Class A Stainless Steel Perforated Grate, 1 meter		39.37" (1000)	3.85	
T100-PGA-3-FP-500	Class A Stainless Steel Perforated Grate, 1/2 meter		19.69" (500)	2.09	
T100-PGA-13-FS	Class A Galvanized Slotted Grate, 1 meter		39.37" (1000)	3.08	
T100-PGA-13-FS-500	Class A Galvanized Slotted Grate, 1/2 meter		19.69" (500)	2.86	
T100-PGA-3-FS	Class A Stainless Steel Slotted Grate, 1 meter		39.37" (1000)	3.12	
T100-PGA-3-FS-500	Class A Stainless Steel Slotted Grate, 1/2 meter		19.69" (500)	2.42	
T100-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	5.72	
T100-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	3.08	
T100-PGA-HPP-BLK	Class A Plastic Longitudinal, Slotted Black Grate, 1/2 meter		19.69" (500)	1.80	
T100-PGA-HPP-GRY	Class A Plastic Longitudinal, Slotted Grey Grate, 1/2 meter		19.69" (500)	1.80	

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)	8.80	
T100-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter		19.69" (500)	4.37	
T100-PGB-3-WW	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1 meter		39.37" (1000)	8.80	
T100-PGB-3-WW-500	Class B Stainless Steel Longitudinal, anti slip, WW Grate, 1/2 meter		19.69" (500)	4.37	

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)	9.04	
T100-PGC-13-FP-500	Class C Galvanized Perforated Grate, 1/2 meter		19.69" (500)	4.51	
T100-PGC-3-FP	Class C Stainless Steel Perforated Grate, 1 meter		39.37" (1000)	9.04	
T100-PGC-3-FP-500	Class C Stainless Steel Perforated Grate, 1/2 meter		19.69" (500)	4.51	
T100-PGC-13-FS	Class C Galvanized Slotted Grate, 1 meter		39.37" (1000)	9.68	
T100-PGC-13-FS-500	Class C Galvanized Slotted Grate, 1/2 meter		19.69" (500)	4.59	
T100-PGC-3-FS	Class C Stainless Steel Slotted Grate, 1 meter		39.37" (1000)	9.32	
T100-PGC-3-FS-500	Class C Stainless Steel Slotted Grate, 1/2 meter		19.69" (500)	4.62	
T100-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter		39.37" (1000)	11.50	
T100-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	5.80	
T100-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	11.50	
T100-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	5.80	
T100-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter		39.37" (1000)	10.25	
T100-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter		19.69" (500)	5.23	
T100-PGC-13-SD-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	7.43	
T100-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter		39.37" (1000)	10.07	
T100-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter		19.69" (500)	5.06	
T100-PGC-3-SD-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	7.43	
T100-PGC-HPP	Class C Black Plastic Slotted Grate, 1/2 meter		19.69" (500)	2.35	
T100-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	7.26	
T100-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	7.26	
T100-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	10.12	
T100-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter		19.69" (500)	6.60	
T100-SCC-4	Class C Ductile Iron Solid Cover, 1/2 meter		19.69" (500)	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)	9.68	
T100-PGE-13-FS-500	Class E Galvanized Slotted Grate, 1/2 meter		19.69" (500)	4.59	
T100-PGE-3-FS	Class E Stainless Steel Slotted Grate, 1 meter		39.37" (1000)	9.32	
T100-PGE-3-FS-500	Class E Stainless Steel Slotted Grate, 1/2 meter		19.69" (500)	4.62	
T100-PGE-4	Class E Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	8.36	
T100-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	8.36	
T100-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	8.36	
T100-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	10.70	
T100-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	10.70	
T100-PGE-3-SBG	Class E Stainless Steel Bar Grate		39.37" (1000)	12.00	
T100-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter		19.69" (500)	7.00	

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)	9.50	
T100-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	9.50	
T100-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	12.00	
T100-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	12.00	

Note: Load Class F Ductile Iron 4 bolt slotted grate available upon request. (Part # T100-PGF-4-B)

See page 10 for explanation of ADA compliant grates

See page 10 for explanation of Heelproof compliant grates

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

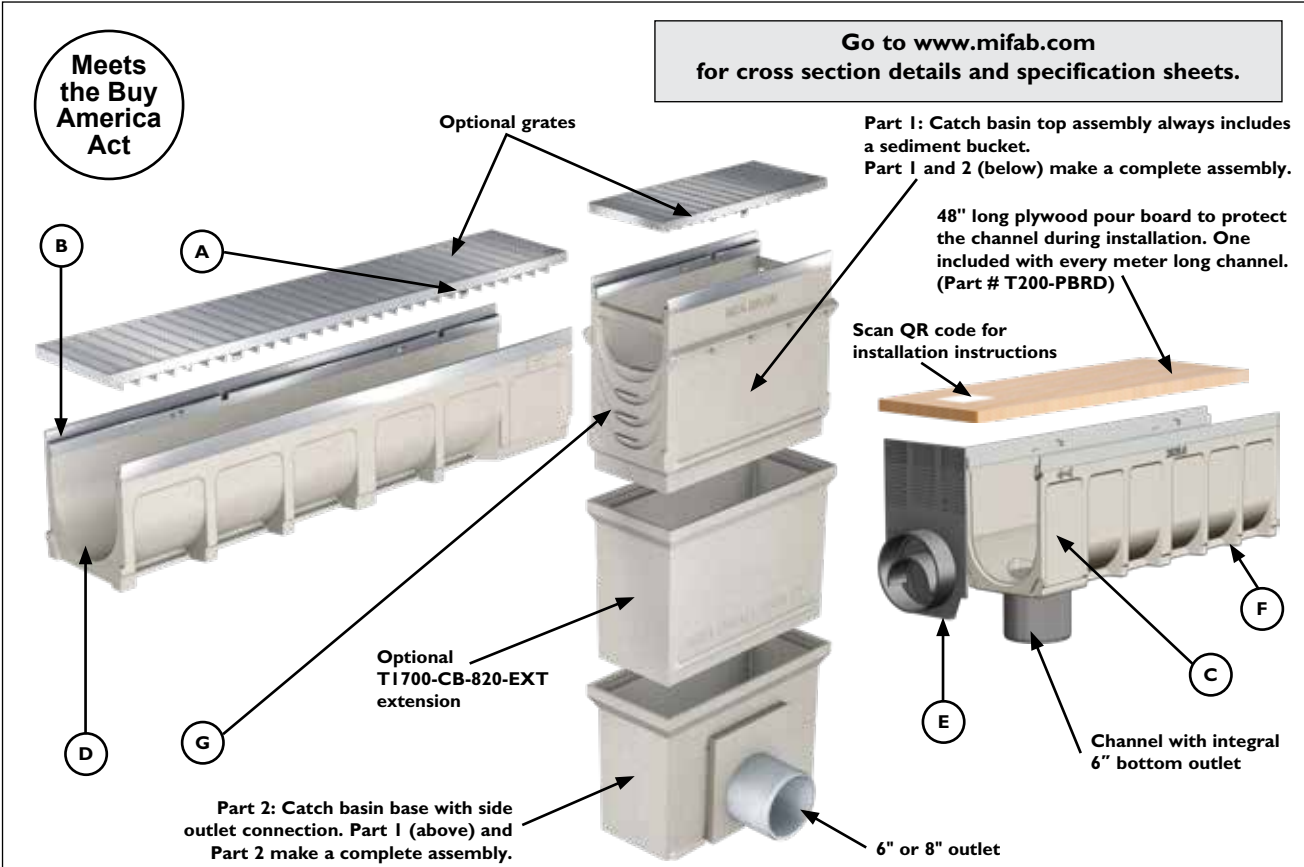
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

T1700 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 gratings. Innovative PROFIX grate locking mechanism for Load Class F ductile iron gratings.
- B. Polymer concrete channels with galvanized and stainless steel edge rails (4mm thick) and ductile iron integral edge rails. (7mm thick) as per EN 1433.
- C. High strength of the drainage channel body enables Load Class A 15kN to Load Class F 900kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Combination end cap / 4" or 6" end outlet for either end of the channels for all depths.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete encasement.
- G. Catch basins are adaptable to all channel depths.



ADA gratings 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 gratings 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.

T1760 - 8" INTERNAL WIDTH - SHALLOW CHANNELS

T1760N-PB-13
Shallow Channel



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

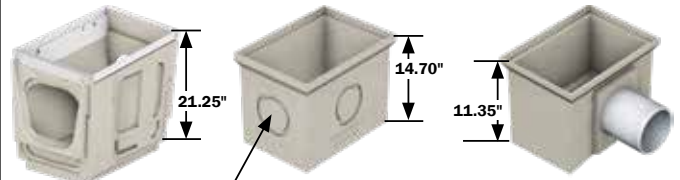
T1760N-PB-13-B04
Shallow Channel with integral 4" outlet

Meets the Buy America Act



SCAN ME

T1700-CB820 Catch Basin



Optional T1700-CB820-EXT extension

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS	BODY TYPE	INVERT BODY DEPTH	OVERALL BODY DEPTH	MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
Channel Model #	Channel Model #	Channel Model #	Neutral - 0%			GPM	Lbs.
T1760N-PB-13	T1760N-PB-3	T1760N-PB-4	Neutral	2.37"	3.94"	240	43.85
T1760N-PB-13-500 (1/2 Meter long)	T1760N-PB-3-500 (1/2 Meter long)	T1760N-PB-4-500 (1/2 Meter long)	Neutral	2.37"	3.94"	240	22.05
T1760N-PB-13-B04	T1760N-PB-3-B04	T1760N-PB-4-B04	Neutral	2.37"	3.94"	240	41.45

CATCH BASINS FOR T1700 AND T1760 CHANNELS

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS	BODY TYPE	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE)	
Catch Basin Model #	Catch Basin Model #	Catch Basin Model #	Neutral - 0%			Lbs.	
T1700-CB820-13-SO6	T1700-CB820-13-SO6	T1700-CB820-4-SO6	Neutral	31.80"	32.60"	82.75	
T1700-CB820-13-SO8	T1700-CB820-3-SO8	T1700-CB820-4-SO8	Neutral	31.80"	32.60"	82.75	
T1700-CB820-EXT	Optional extension piece to install between base and top assembly for deeper inverts.					14.75"	48.50
T1700-CB820-SB	Replacement sediment bucket						

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

MI-FLEX-400, 600, 800	T1700-PBDS	T1700-PEO Grey Plastic End Cap / Outlet - 4" or 6"	T1700-PEO-BLK Black Plastic End Cap / Outlet for channels with ductile iron rails - 4" or 6"	T1700-REB (Installation Device) Optional Installation Device (Two required per channel) (Not suitable for T1760)	T1760-PEC Closed End Cap for T1760N Channels	T200-PBRD

MODEL #	DESCRIPTION	MATERIAL	WEIGHT (Lbs.)
MI-FLEX-400	4" Flexible rubber coupling to connect 4" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	0.50
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	0.75
T1700-PBDS	Bottom Dome Strainer	Stainless Steel	0.20
T1700-PEO	4" or 6" No Hub grey plastic End Cap / Outlet	Plastic	0.44
T1700-PEO-BLK	4" or 6" No Hub black plastic End Cap / Outlet for channels with ductile iron rails	Plastic	0.44
T1700-REB	Installation Device (See page 25) (Two required per channel) (Not suitable for T1760)	Galvanized Steel	0.22
T1760-PEC-13	Closed End Cap for T1760N-13 channels	Galvanized Steel	0.30
T1760-PEC-3	Closed End Cap for T1760N-3 channels	Stainless Steel	0.30
T200-PBRD	Replacement 48" long plywood pour board to protect the channel during installation. One included with every meter long channel.	Plywood	5.00

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

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. 64.

Meets the Buy America Act



T1700-13, T1700-3
(Channels with galvanized and stainless steel integral edge rails)



T1700-4
(Channel with ductile iron integral edge rails)



SCAN ME

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

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS (for Load Class F grates)	BODY TYPE	INVERT BODY DEPTH		OVERALL BODY DEPTH		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
				Min.	Max.	Min.	Max.		
Channel Model #	Channel Model #	Channel Model #	Sloped - .5% Neutral - 0%						
T1700N-PB-13	T1700N-PB-3	T1700N-PB-4	Neutral	7.29"	7.29"	9.06"	9.06"	473	63.21
T1700N-PB-13-BO6	T1700N-PB-3-BO6	T1700N-PB-4-BO6	Neutral	7.29"	7.29"	9.06"	9.06"	473	63.21
T1700N-PB-13-500	T1700N-PB-3-500	T1700N-PB-4-500	Neutral	7.29"	7.29"	9.06"	9.06"	473	32.36
T1701-PB-13	T1701-PB-3		Sloped	7.29"	7.49"	9.06"	9.26"	498	63.34
T1702-PB-13	T1702-PB-3		Sloped	7.49"	7.68"	9.26"	9.45"	521	64.04
T1703-PB-13	T1703-PB-3		Sloped	7.68"	7.88"	9.45"	9.65"	545	64.74
T1704-PB-13	T1704-PB-3		Sloped	7.88"	8.08"	9.65"	9.85"	571	65.44
T1705-PB-13	T1705-PB-3		Sloped	8.08"	8.27"	9.85"	10.04"	596	66.13
T1706-PB-13	T1706-PB-3		Sloped	8.27"	8.47"	10.04"	10.24"	621	66.83
T1707-PB-13	T1707-PB-3		Sloped	8.47"	8.67"	10.24"	10.44"	648	67.53
T1708-PB-13	T1708-PB-3		Sloped	8.67"	8.86"	10.44"	10.63"	675	68.23
T1709-PB-13	T1709-PB-3		Sloped	8.86"	9.06"	10.63"	10.83"	704	68.93
T1710-PB-13	T1710-PB-3		Sloped	9.06"	9.26"	10.83"	11.03"	732	70.33
T1710-PB-13-BO6	T1710-PB-3-BO6		Sloped	9.06"	9.26"	10.83"	11.03"	732	70.33
T1710N-PB-13	T1710N-PB-3	T1710N-PB-4	Neutral	9.26"	9.26"	11.03"	11.03"	732	70.77
T1710N-PB-13-BO6	T1710N-PB-3-BO6		Neutral	9.26"	9.26"	11.03"	11.03"	732	71.87
T1710N-PB-13-500	T1710N-PB-3-500	T1710N-PB-4-500	Neutral	9.26"	9.26"	11.03"	11.03"	732	35.94
T1711-PB-13	T1711-PB-3		Sloped	9.26"	9.45"	11.03"	11.23"	777	71.03
T1712-PB-13	T1712-PB-3		Sloped	9.45"	9.65"	11.23"	11.42"	807	71.73
T1713-PB-13	T1713-PB-3		Sloped	9.65"	9.85"	11.42"	11.62"	837	72.42
T1714-PB-13	T1714-PB-3		Sloped	9.85"	10.04"	11.62"	11.82"	869	73.12
T1715-PB-13	T1715-PB-3		Sloped	10.04"	10.24"	11.82"	12.01"	902	73.82
T1716-PB-13	T1716-PB-3		Sloped	10.24"	10.44"	12.01"	12.21"	935	74.52
T1717-PB-13	T1717-PB-3		Sloped	10.44"	10.63"	12.21"	12.41"	968	75.22
T1718-PB-13	T1718-PB-3		Sloped	10.63"	10.83"	12.41"	12.60"	1003	75.92
T1719-PB-13	T1719-PB-3		Sloped	10.83"	11.03"	12.60"	12.80"	1038	76.62
T1720-PB-13	T1720-PB-3		Sloped	11.03"	11.23"	12.80"	13.00"	1105	77.32
T1720-PB-13-BO6	T1720-PB-3-BO6		Sloped	11.03"	11.23"	12.80"	13.00"	1105	77.32
T1720N-PB-13	T1720N-PB-3	T1720N-PB-4	Neutral	11.23"	11.23"	13.00"	13.00"	1105	79.87
T1720N-PB-13-BO6	T1720N-PB-3-BO6	T1720N-PB-4-500-BO6	Neutral	11.23"	11.23"	13.00"	13.00"	1105	79.81
T1720N-PB-13-500	T1720N-PB-3-500	T1720N-PB-4-500	Neutral	11.23"	11.23"	13.00"	13.00"	1105	36.38

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)	Weight (Lbs.)	
T200-PGA-13-GM	Class A Galvanized Mesh Grate, 1 meter		39.37" (1000)	13.13	
T200-PGA-13-GM-500	Class A Galvanized Mesh Grate, 1/2 meter		19.69" (500)	6.82	
T200-PGA-3-SM	Class A Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	13.13	
T200-PGA-3-SM-500	Class A Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	6.82	

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

T200-PGB-13-LS	Class B Galvanized Longitudinal Grate, 1 meter		39.37" (1000)	16.02	
T200-PGB-13-LS-500	Class B Galvanized Longitudinal Grate, 1/2 meter		19.69" (500)	8.38	
T200-PGB-3-WW	Class B Stainless Longitudinal, anti slip WW grate, 1 meter		39.37" (1000)	16.32	
T200-PGB-3-WW-500	Class B Stainless Longitudinal, anti slip WW grate, 1/2 meter		19.69" (500)	8.31	

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)	24.33	
T200-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter		19.69" (500)	11.66	
T200-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter		39.37" (1000)	24.33	
T200-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter		19.69" (500)	11.66	
T200-PGC-13-SD	Class C Galvanized Paverslot Grate, 1 meter		39.37" (1000)	47.08	
T200-PGC-13-SD-500	Class C Galvanized Paverslot Grate, 1/2 meter		19.69" (500)	23.54	
T200-PGC-13-MU-500	Class C Galvanized Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	43.78	
T200-PGC-3-SD	Class C Stainless Steel Paverslot Grate, 1 meter		39.37" (1000)	47.08	
T200-PGC-3-SD-500	Class C Stainless Steel Paverslot Grate, 1/2 meter		19.69" (500)	23.54	
T200-PGC-3-MU-500	Class C Stainless Steel Maintenance Unit Paverslot, 1/2 meter		19.69" (500)	43.78	
T200-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter		19.69" (500)	13.86	
T200-PGC-4-BG	Class C Ductile Iron Bavaria Grate, 1/2 meter		19.69" (500)	13.64	

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)	26.00	
----------------------	---	--	--------------	-------	--

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)	19.25	
T200-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	19.25	
T200-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter		19.69" (500)	13.79	
T200-PGE-4-ADA	Class E Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	21.25	
T200-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	21.25	
T200-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter		39.37" (1000)	75.00	
T200-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter		19.69" (500)	40.00	

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)	22.00	
T200-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter		19.69" (500)	22.00	
T200-PGF-4-ADA-PX	Class F Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	24.00	
T200-PGF-4-ADA-PX-13	Class F Galvanized Ductile Iron Longitudinal Grate, 1/2 meter		19.69" (500)	24.00	

Note: Load Class F Ductile Iron 4 bolt slotted grate available upon request. (Part # T200-PGF-4-B)

See page 10 for explanation of ADA compliant grates

See page 10 for explanation of Heelproof compliant grates

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

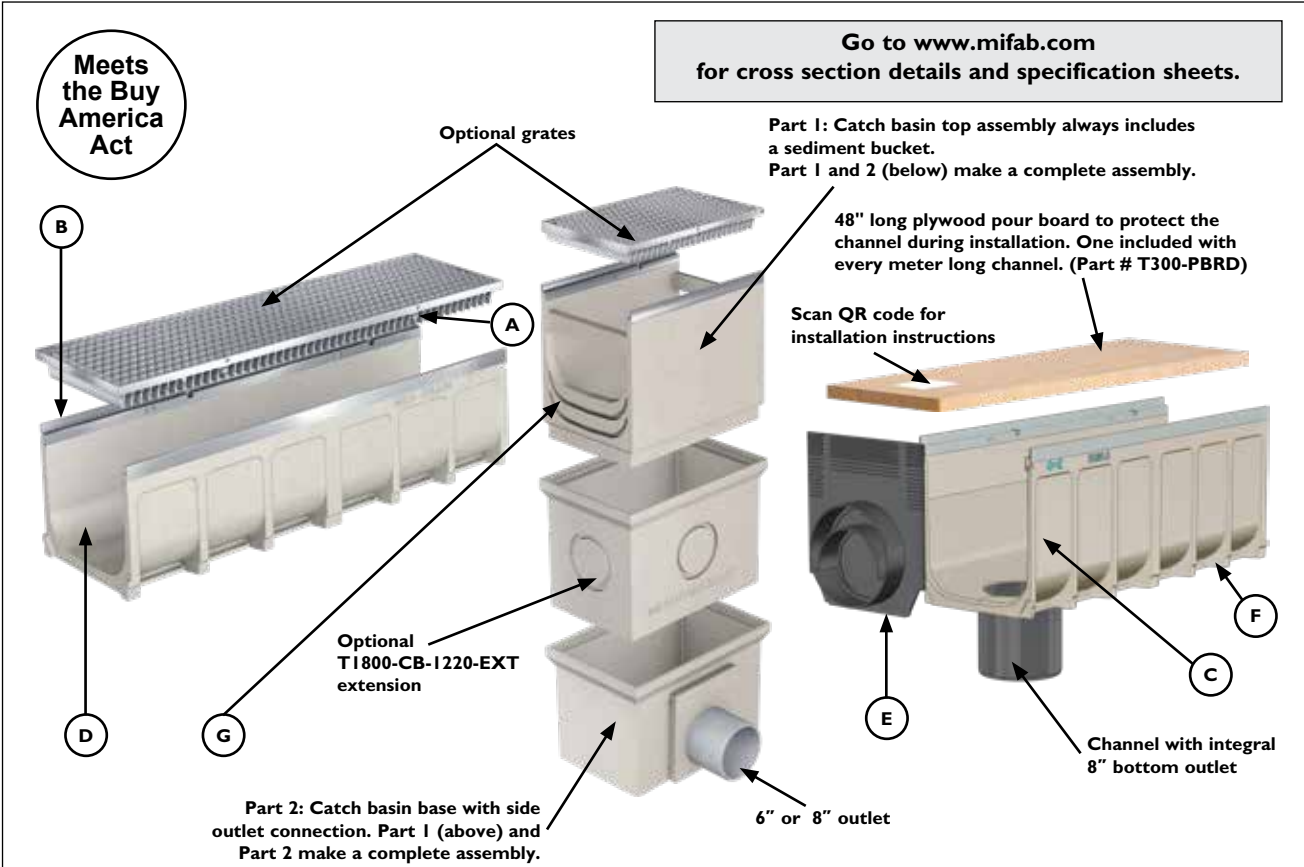
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

T1800 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 gratings. Innovative PROFIX grate locking mechanism for Load Class F ductile iron gratings.
- B. Polymer concrete channels with galvanized and stainless steel edge rails (4mm thick) and ductile iron integral edge rails. (7mm thick) as per EN 1433.
- C. High strength of the drainage channel body enables Load Class A 15kN to Load Class F 900kN.
- D. Optimized flow cross section promotes self cleaning.
- E. Combination end cap / 6" or 8" end outlet for either end of the channels for all depths.
- F. Deep-seated anchorage bays in the drainage channel body ensures mechanical attachment to the concrete encasement.
- G. Catch basins are adaptable to all channel depths.



ADA gratings 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 gratings 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")."

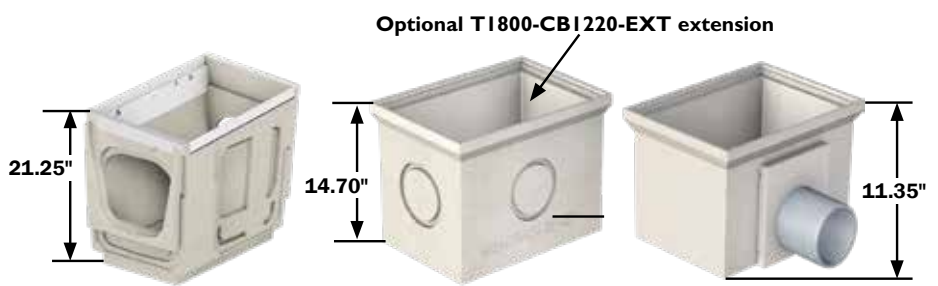
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CATCH BASINS FOR T1800 CHANNELS

Meets the Buy America Act



T1800-CB1220 Catch Basin



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

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	DUCTILE IRON INTEGRAL EDGE RAILS	INVERT DEPTH	OVERALL DEPTH	WEIGHT (LESS GRATE)
Catch Basin Model #	Catch Basin Model #	Catch Basin Model #			Lbs.
T1800-CB1220-13-SO6	T1800-CB1220-3-SO6	T1800-CB1220-4-SO6	28.85"	29.50"	116.00
T1800-CB1220-13-SO8	T1800-CB1220-3-SO8	T1800-CB1220-4-SO8	28.85"	29.50"	116.00
T1800-CB1220-EXT	Optional extension piece to install between base & top assembly for deeper inverts.		-	14.75"	48.50
T1800-CB1220-SB	Replacement sediment bucket.				

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

MI-FLEX-600, 800	T1800-PBDS	T1800-PEO Grey Plastic End Cap / Outlet - 6" or 8"	T1800-PEO-BLK Black plastic End Cap / Outlet for channels with ductile iron rails - 6" or 8"	T1800-REB (Installation Device) Optional Installation Device (Two required per channel)	T300-PBRD

MODEL #	DESCRIPTION	MATERIAL	WEIGHT (Lbs.)
MI-FLEX-600	6" Flexible rubber coupling to connect 6" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	0.75
MI-FLEX-800	8" Flexible rubber coupling to connect 8" No Hub vertical and horizontal channel outlets to drainage pipe.	Rubber	0.75
T1800-PBDS	Bottom Dome Strainer	Stainless Steel	0.20
T1800-PEO	6" or 8" No Hub grey plastic End Cap / Outlet	Plastic	3.80
T1800-PEO-BLK	6" or 8" No Hub black plastic End Cap / Outlet for channels with ductile iron rails	Plastic	3.80
T1800-REB	Installation Device (See page 25) (Two required per channel)	Galvanized Steel	7.50
T300-PBRD	Replacement 48" long plywood pour board to protect the channel during installation. One included with every meter long channel.	Plywood	7.00

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.

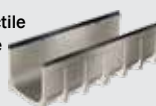
Toll Free: 1-800-465-2736, Fax: 1-773-341-3049
sales@mifab.com Canada Toll Free: 1-800-387-3880

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. 64.

T1800-PB-13 Channel Body



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

GALVANIZED STEEL INTEGRAL EDGE RAILS	STAINLESS STEEL INTEGRAL EDGE RAILS	BODY TYPE	INVERT BODY DEPTH		OVERALL BODY DEPTH		MAXIMUM FLOW RATE	WEIGHT (LESS GRATE)
			E1 (Min.)	E2 (Max.)	E1 (Min.)	E2 (Max.)		
Channel Model # T1800N-PB-13	Channel Model # T1800N-PB-3	Neutral	10.04"	10.04"	11.82"	11.82"	633	76.28
T1800N-PB-13-BO8	T1800N-PB-3-BO8	Neutral	10.04"	10.04"	11.82"	11.82"	633	76.28
T1800N-PB-13-500	T1800N-PB-3-500	Neutral	10.04"	10.04"	11.82"	11.82"	633	38.14
T1801-PB-13	T1801-PB-3	Sloped	10.04"	10.24"	11.82"	12.01"	688	82.19
T1802-PB-13	T1802-PB-3	Sloped	10.24"	10.44"	12.01"	12.21"	721	82.73
T1803-PB-13	T1803-PB-3	Sloped	10.44"	10.63"	12.21"	12.41"	756	83.26
T1804-PB-13	T1804-PB-3	Sloped	10.63"	10.83"	12.41"	12.60"	793	83.80
T1805-PB-13	T1805-PB-3	Sloped	10.83"	11.03"	12.60"	12.80"	829	84.34
T1806-PB-13	T1806-PB-3	Sloped	11.03"	11.23"	12.80"	13.00"	867	84.88
T1807-PB-13	T1807-PB-3	Sloped	11.23"	11.42"	13.00"	13.19"	905	85.42
T1808-PB-13	T1808-PB-3	Sloped	11.42"	11.62"	13.19"	13.39"	945	85.95
T1809-PB-13	T1809-PB-3	Sloped	11.62"	11.82"	13.39"	13.59"	986	86.49
T1810-PB-13	T1810-PB-3	Sloped	11.82"	12.01"	13.59"	13.78"	1048	87.03
T1810-PB-13-BO8	T1810-PB-3-BO8	Sloped	11.82"	12.01"	13.59"	13.78"	1048	87.03
T1810N-PB-13	T1810N-PB-3	Neutral	12.01"	12.01"	13.78"	13.78"	1048	85.16
T1810N-PB-13-BO8	T1810N-PB-3-BO8	Neutral	12.01"	12.01"	13.78"	13.78"	1048	85.16
T1810N-PB-13-500	T1810N-PB-3-500	Neutral	12.01"	12.01"	13.78"	13.78"	1048	49.23
T1811-PB-13	T1811-PB-3	Sloped	12.01"	12.21"	13.78"	13.98"	1091	90.63
T1812-PB-13	T1812-PB-3	Sloped	12.21"	12.41"	13.98"	14.18"	1135	91.17
T1813-PB-13	T1813-PB-3	Sloped	12.41"	12.60"	14.18"	14.38"	1179	91.71
T1814-PB-13	T1814-PB-3	Sloped	12.60"	12.80"	14.38"	14.57"	1225	92.25
T1815-PB-13	T1815-PB-3	Sloped	12.80"	13.00"	14.57"	14.77"	1273	92.78
T1816-PB-13	T1816-PB-3	Sloped	13.00"	13.19"	14.77"	14.97"	1320	93.32
T1817-PB-13	T1817-PB-3	Sloped	13.19"	13.39"	14.97"	15.16"	1371	93.86
T1818-PB-13	T1818-PB-3	Sloped	13.39"	13.59"	15.16"	15.36"	1422	94.40
T1819-PB-13	T1819-PB-3	Sloped	13.59"	13.78"	15.36"	15.56"	1472	94.94
T1820-PB-13	T1820-PB-3	Sloped	13.78"	13.98"	15.56"	15.75"	1566	95.47
T1820-PB-13-BO8	T1820-PB-3-BO8	Sloped	13.78"	13.98"	15.56"	15.75"	1566	95.47
T1820N-PB-13	T1820N-PB-3	Neutral	13.98"	13.98"	15.75"	15.75"	1566	91.60
T1820N-PB-13-BO8	T1820N-PB-3-BO8	Neutral	13.98"	13.98"	15.75"	15.75"	1566	91.60
T1820N-PB-13-500	T1820N-PB-3-500	Neutral	13.98"	13.98"	15.75"	15.75"	1566	52.78
Channel with Ductile Iron integral edge rails 	T1800N-PB-4 (with D.I. rails) T1800-PB-4-500 (with D.I. rails) (half meter channel)	Neutral	10.04"	10.04"	11.82"	11.82"	633	76.28

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)	Weight (Lbs.)	
T300-PGC-13-GM	Class C Galvanized Mesh Grate, 1 meter	39.37" (1000)	68.53	
T300-PGC-13-GM-500	Class C Galvanized Mesh Grate, 1/2 meter	19.69" (500)	36.82	
T300-PGC-3-SM	Class C Stainless Steel Mesh Grate, 1 meter	39.37" (1000)	68.53	
T300-PGC-3-SM-500	Class C Stainless Steel Mesh Grate, 1/2 meter	19.69" (500)	36.82	
T300-PGC-4	Class C Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	29.23	
T300-PGC-4-HP	Class C Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	29.23	
T300-PGC-4-WVY	Class C Ductile Iron WAVE Grate, 1/2 meter	19.69" (500)	34.10	

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)	42.02	
T300-PGE-4-13	Class E Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	42.02	
T300-PGE-4-HP	Class E Ductile Iron Heelproof Slotted Grate, 1/2 meter	19.69" (500)	42.02	
T300-PGE-4-ADA	Class E Ductile Iron Longitudinal Slotted Grate, 1/2 meter	19.69" (500)	63.80	
T300-PGE-4-ADA-13	Class E Galvanized Ductile Iron Longitudinal Slotted Grate, 1/2 meter	19.69" (500)	63.80	
T300-PGE-3-SBG	Class E Stainless Steel Bar Grate, 1 meter	39.37" (1000)	100.00	
T300-PGE-3-SBG-500	Class E Stainless Steel Bar Grate, 1/2 meter Grate, 1/2 meter	19.69" (500)	60.00	
T300-SCE-4	Class E Ductile Iron Solid Cover, 1/2 meter	19.69" (500)	66.00	

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

T300-PGF-4-PX	Class F Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	48.23	
T300-PGF-4-PX-13	Class F Galvanized Ductile Iron Slotted Grate, 1/2 meter	19.69" (500)	48.23	

- See page 10 for explanation of ADA compliant grates
- See page 10 for explanation of Heelproof compliant grates

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

T2000-CB2024 - 20" x 24" Catch Basin for T1500, T1700 & T1800 Channels

Made in USA. Meets the Buy America Act.

Powder epoxy coated Steel Frame (Included)

Sediment bucket (See below)

Outlet and channel adapter can be secured using an appropriate adhesive for fiberglass

Fiberglass No Hub side outlet: 4", 6", 8", 10" or 12"

T300-PG grates (Refer to this page for grate selection and pricing)

Removable cross bar

Fiberglass adapter available to receive T1500, T1700 and T1800 channels (See below)

Fiberglass Catch Basin 20" X 24" x 26" deep

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 #	
T2000-CB2024 (includes powder epoxy coated steel frame. Grates not included)	

OUTLET CONNECTIONS
T2000-CB2024-PEO4 - 4"
T2000-CB2024-PEO6 - 6"
T2000-CB2024-PEO8 - 8"
T2000-CB2024-PEO10 - 10"
T2000-CB2024-PEO12 - 12"

CHANNEL ADAPTERS
T1500-CB2024-ADAPT
T1700-CB2024-ADAPT
T1800-CB2024-ADAPT

OPTIONAL VARIATIONS
MODEL #
Powder epoxy coated steel sediment bucket (Part # T2000-CB2024-SB)
Stainless Steel Sediment Bucket (Part # T2000-CB2024-SB-3)

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

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. 64.

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

Note: See page 23 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® T1520N 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® T1520N 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.

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

FLOW RATE COMPARISON CALCULATION ACCORDING TO MANNING & STRICKLER

4" Internal Width Sloped vs. Neutral Flow Rate Comparison

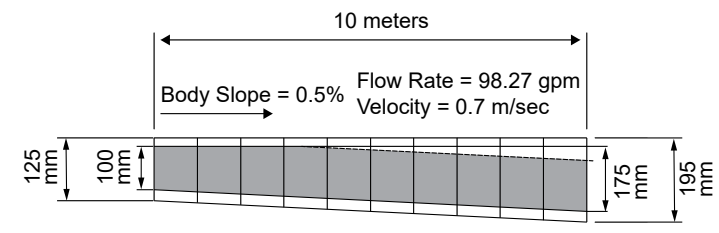


Figure 1-A Typical Sloped Trench Drain from Others

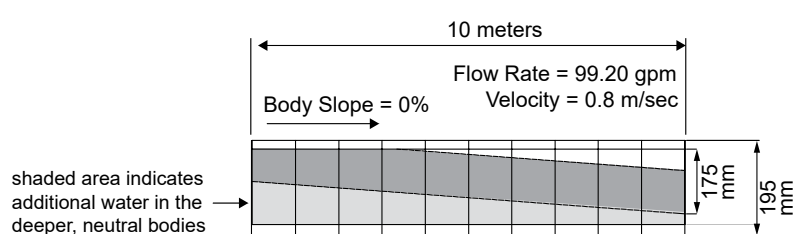


Figure 2-A MIFAB®- T1510N

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

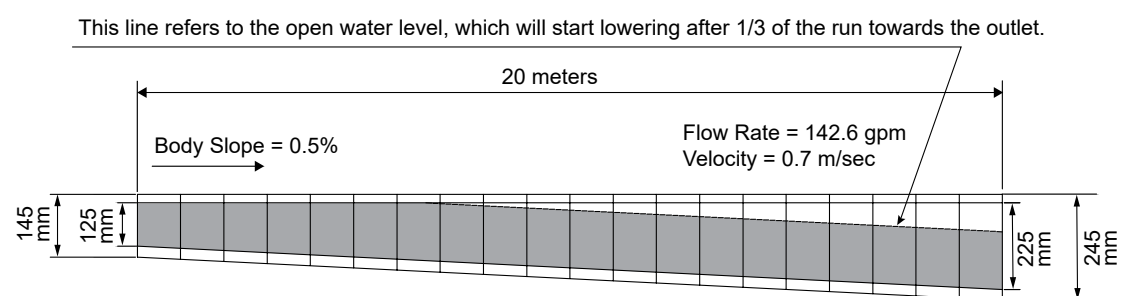


Figure 1-B Typical Sloped Trench Drain from Others

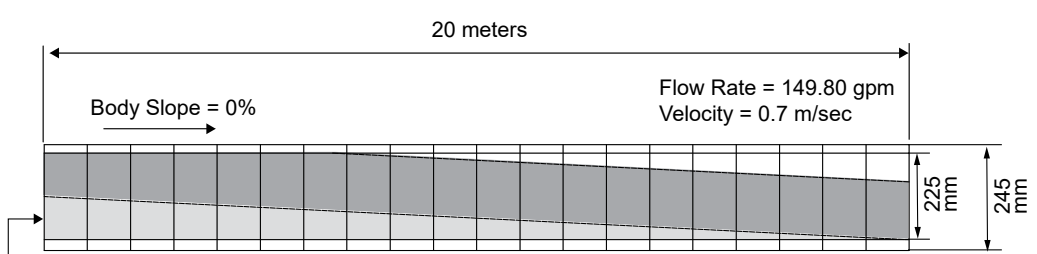


Figure 2-B MIFAB®- T1520N

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




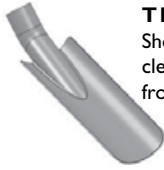
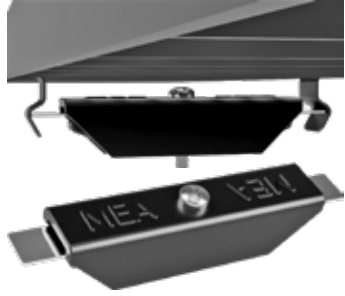

CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

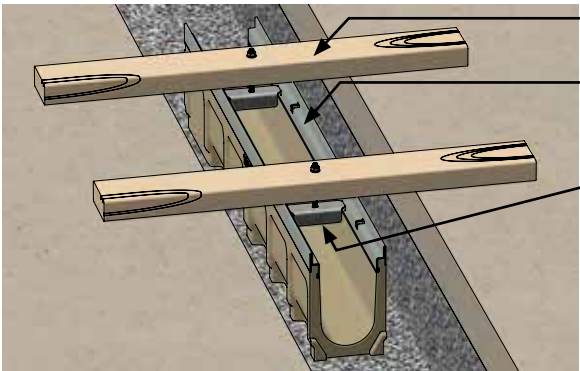
Toll Free: 1-800-465-2736, Fax: 1-773-341-3049
sales@mifab.com Canada Toll Free: 1-800-387-3880

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. 64.

ACCESSORIES

<p>PLASTIC SEDIMENT BUCKETS ARE INCLUDED WITH EVERY CATCH BASIN</p>  <p>T1500-CB620-SB - 4" internal width</p>  <p>T1700-CB820-SB - 8" internal width</p>  <p>T1800-CB1220-SB - 12" internal width</p>	 <p>T1400-SHV Shovel head to clean out debris from channels</p>	<p>ANTI-VANDALISM LOCKING DEVICE FOR ALL GRATES</p>  <table border="1" data-bbox="1055 640 1453 703"> <tr> <td>T100-VP (4" internal width)</td> </tr> <tr> <td>T200-VP (8" internal width)</td> </tr> </table> <p>(Two pieces required per meter)</p>	T100-VP (4" internal width)	T200-VP (8" internal width)
T100-VP (4" internal width)				
T200-VP (8" internal width)				
 <p>Grate lifting key T100-KEY</p>				

SUSPENDED SLAB INSTALLATION



Support bars (by others)

MIFAB T1500 polymer trench drain channel illustrated

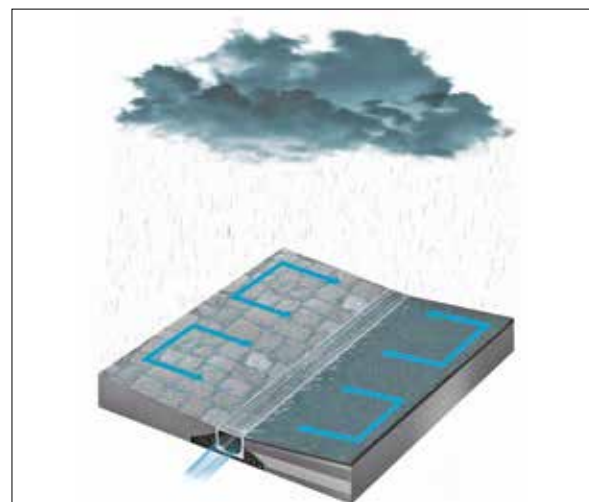
Brackets to bolt support bars for suspension of the trench drain channels within the slab. Available with T1500, T1700 and T1800 polymer concrete channels.

Part #
Part # T1500-SUSP
Part # T1700-SUSP
Part # T1800-SUSP

TYPICAL TRENCH DRAIN SIZING CONSIDERATIONS

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

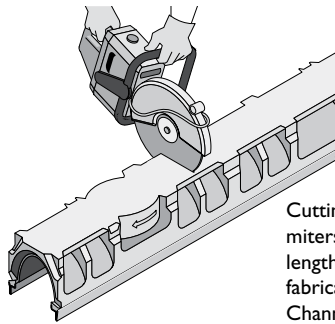
1. Length of trench drain run (feet or meters)
2. Length and width of the surface area draining into the trench drain (feet or meters)
3. Surface area type - concrete, pavement, asphalt, etc.
4. Rainfall intensity (in/hr or mm/hr) of the area where the trench drain will be installed
5. Is any additional 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.

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

INSTALLATION GUIDELINES



ON-SITE FABRICATIONS

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

Cutting channels is required to form miters, T-junctions and non-standard lengths. Most fabrications should be completed on site. Channels can be cut with a masonry or diamond blade. Grates should be cut with a suitable metal cutting blade.

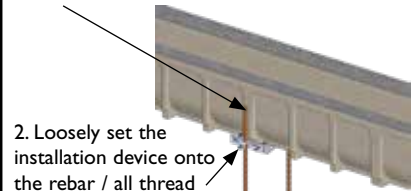


SCAN ME

FOR INSTALLATION INSTRUCTIONS

INSTALLATION DEVICE INSTRUCTIONS

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



2. Loosely set the installation device onto the rebar / all thread as shown. Go back and set them all to the correct height taking finish floor elevations into consideration.

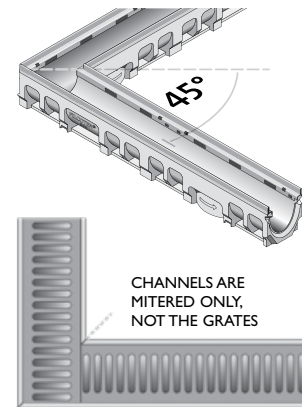
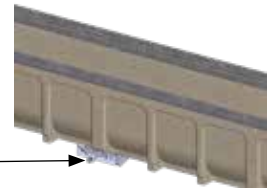
TRENCH SECTION CONNECTIONS

An appropriate adhesive should be used to bond cut surfaces together. Apply adhesive to a cut end and place the next successive channel against the adhesive and allow to dry. Sealants are not intended to bond products together. Adhesives are intended for that. If corrosive liquids are conveyed in the trench, the joints should be properly sealed. MIFAB recommends the use of a one component polyurethane product as a

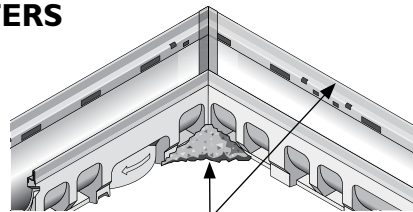
“sealant” between the channels if required by the engineer. It has expansive and contracting characteristics and is utilized in environments where those characteristics are desirable. SikaFlex IA and Sonneborn NP-I are two acceptable sealant materials although there are other manufacturers of polyurethane 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.



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



MITERS

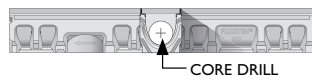


USE INSTALLATION DEVICES OR ALTERNATIVELY, USE A CONCRETE PATTY TO SUPPORT THE MITERED CHANNEL DURING THE FINAL POUR

Mitered joints are formed by cutting channels to the required angle and butting together. For 90° angle, miter cuts of 45° are required.

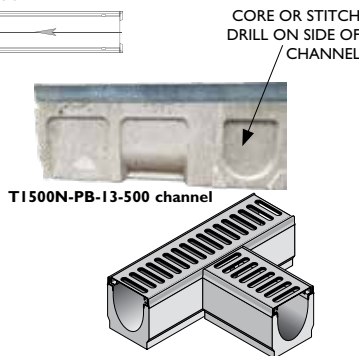
4. Drill the four screws over the side profile to secure channel. This will minimize floating during the concrete encasement pour.

T-JUNCTIONS

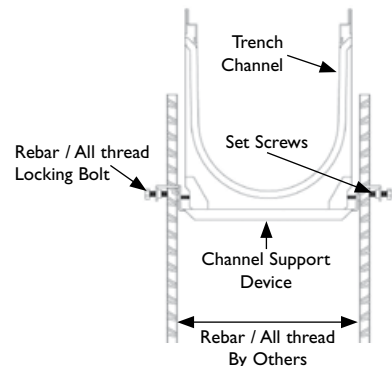


T-junctions are formed when an opening is cut into the side of one channel and another channel is butted up to this opening. On full meter channel, mark the area in the channel wall to be removed by butting the channels together and by marking the interior profile of the channel.

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



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



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

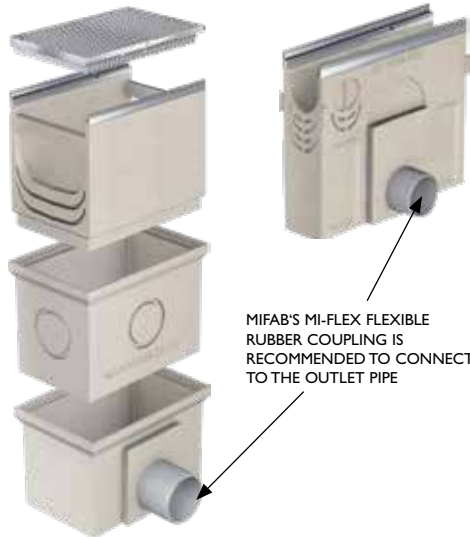
MIFAB®, Inc., 1321 West 119th Street, Chicago, Illinois 60643-5109, USA
All sales subject to MIFAB's Terms and Warranties, please refer to page no. 64.

INSTALLATION GUIDELINES

CATCH BASIN CONNECTIONS

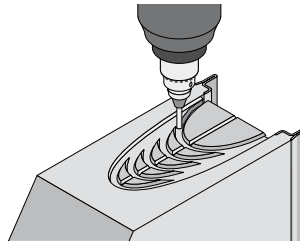
NOTE: THE 8" AND 12" CATCH BASINS REQUIRE AN 8" FLEXIBLE COUPLING (MIFAB # MI-FLEX-800) IF CAST IRON SOIL PIPE OR PVC IS USED.

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

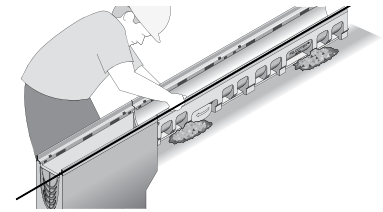


Catch Basin Cut-out

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



- Use a grinder to dress or enlarge corners for proper fitting.
3. Insert the channel into the socket and seal using an appropriate flexible sealant / adhesive.



* Please ensure installation as per direction of the arrows on outside of channel.
If corrosive liquids are transported in the trench, ensure the flexible sealant is chemically resistant.



SCAN ME

FOR INSTALLATION INSTRUCTIONS

PIPE CONNECTIONS

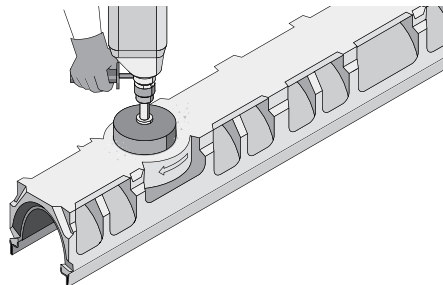


ATTENTION: MIFAB RECOMMENDS USE OF PROTECTIVE GLASSES AND RESPIRATORY PROTECTION WHEN CUTTING AND DRILLING POLYMER CONCRETE CHANNELS.



Removal of cut-out, or cut hole:

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



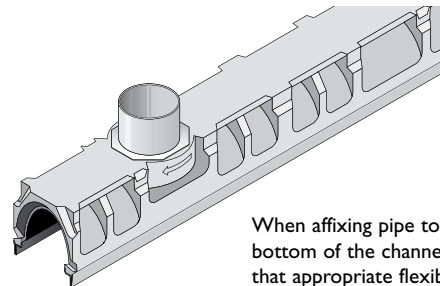
Core Drill

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

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

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

Note: MIFAB offers outlet channels with the outlet already cast into the bottom. The method below would be for bottom outlet locations that do not coincide with our standard outlet locations.



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

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



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

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.

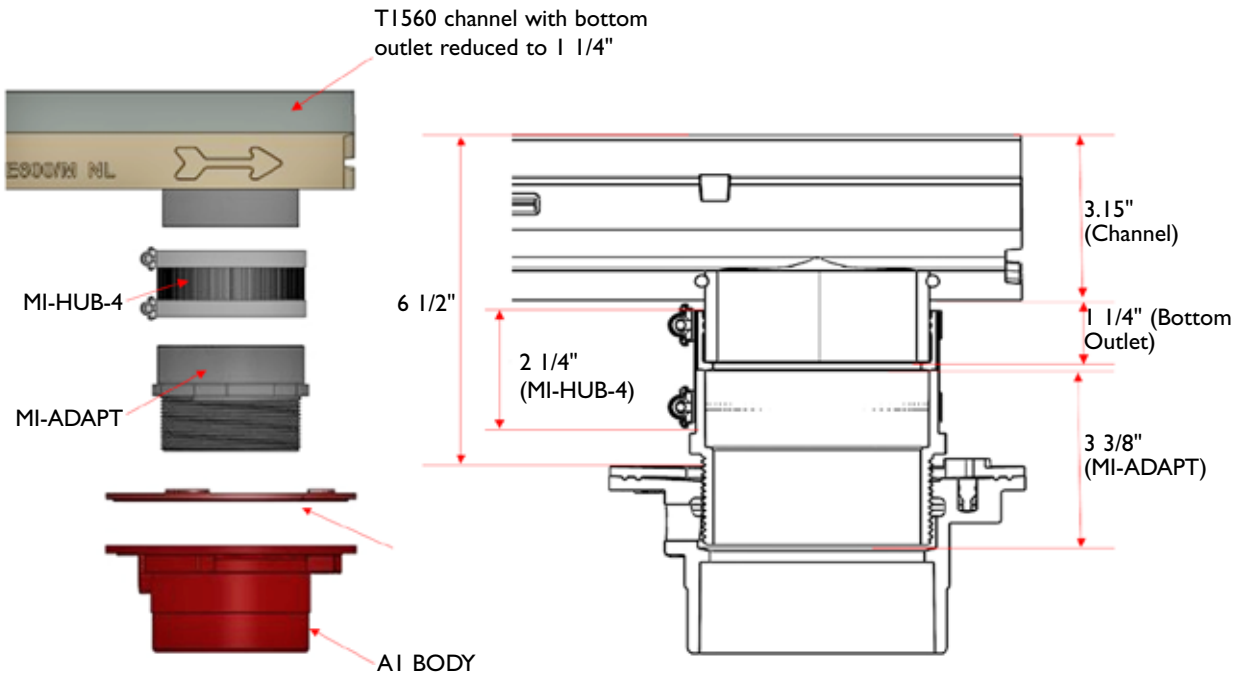
SikaFlex 1A and Sonneborn NP-1 are two acceptable sealant materials although there are other manufacturers of polyurethane sealant products that would also be accepted.

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



T1400-SIKA

INSTALLATION DETAIL FOR SHALLOW T1560 CHANNELS



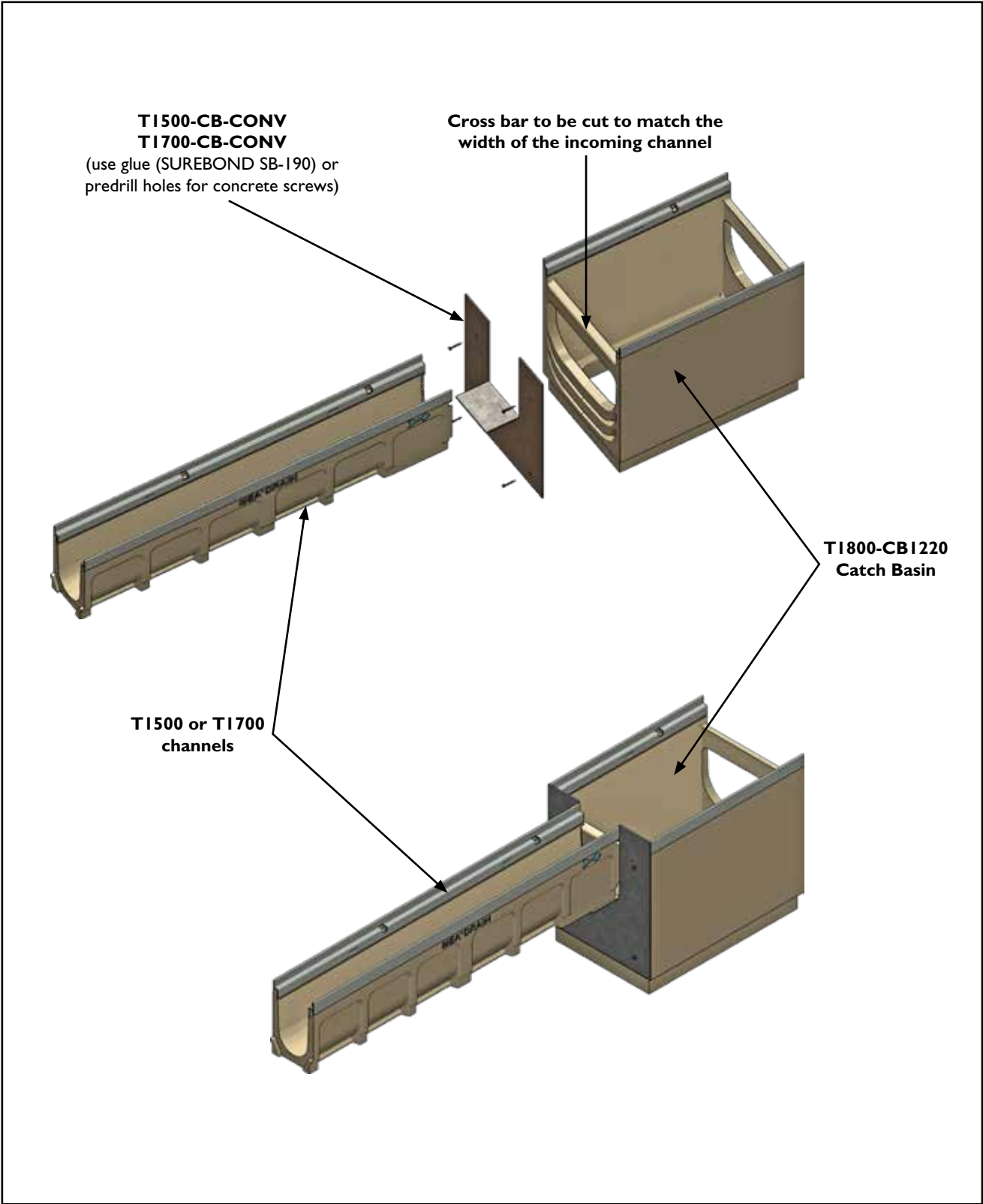
CALIFORNIA PROPOSITION 65 WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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

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. 64.

CATCH BASIN CONNECTION PLATE



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

CHEMICAL RESISTANCE CHART

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

If MIFAB® standard products are unable to provide adequate chemical resistance, contact MIFAB® 1-800-465-2736 for a suitable product solution.

Chemical	Max. conc.	Short time exposure 72 hours	Long time exposure 42 days
Acetic Acid	30%	✓	✗
Acetone	10%	✓	✗
Ammonia	10%	✓	✗
Aniline	100%	✓	✗
Aniline in Ethyl Alcohol	10%	✓	✓
Benzene	100%	✓	✗
Boric Acid	100%	✓	✓
Butyric Acid	25%	✓	✓
Butyl Alcohol	100%	✓	✓
Calcium Chloride	100%	✓	✓
Calcium Hydroxide	100%	✓	✗
Caster Oil	100%	✓	✓
Chloric Acid	5%	✓	✗
Chromic Acid	5%	✓	✓
Citric Acid	100%	✓	✓
Diesel Fuel	100%	✓	✓
Ethanol	100%	✓	✗
Ethlendiamine	100%	✓	✓
Ethyl Acetate	100%	✓	✗
Ferrous Sulfate	30%	✓	✓
Fluoralic Acid	10%	✓	✓
Formaldehyde	35%	✓	✓
Formic Acid	10%	✓	✗
Fuel Oil	100%	✓	✓
Gasoline	100%	✓	✓
n-Heptane	100%	✓	✓
n-Hexane	100%	✓	✓
Hydraulic Oil	100%	✓	✓
Hydrochloric Acid	10%	✓	✓

Chemical	Max. conc.	Short time exposure 72 hours	Long time exposure 42 days
Hydrofluoric Acid	5%	✓	✗
JP4	100%	✓	✓
JP8	100%	✓	✓
Lactic Acid	10%	✓	✓
Methanol	5%	✗	✗
Methyl Amine	100%	✓	✗
Methyl Ethyl Ketone	100%	✓	✗
Mineral Oil SAE5W50	100%	✓	✓
Monochlor Benzene	0.05%	✗	✗
Monochloroacetic Acid	10%	✓	✓
Nitric Acid	10%	✓	✗
n-Nonane	100%	✓	✓
Iso-Octane	100%	✓	✗
Oxalic Acid	100%	✓	✓
Phenol	100%	✓	✗
Phosphoric Acid	10%	✓	✓
Potassium Hydroxide	10%	✗	✗
Sodium Acetate	100%	✓	✗
Sodium Carbonate	20%	✓	✓
Sodium Chloride	100%	✓	✓
Sodium Hydroxide	15%	✓	✗
Sodium Hypochloric	5%	✓	✓
Sulfuric Acid	40%	✓	✓
Tetrafluoroborsaur	20%	✓	✗
Toluene	100%	✓	✗
Trichloroethylene	100%	✗	✗
Triethylamine	100%	✓	✓
Xylene	100%	✓	✗

Note: Maximum operating temperature of 180°F (82°C)

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

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

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

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

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. 64.

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.

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

PROJECT REFERENCES



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



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



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



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



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



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



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



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

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. 64.

PROJECT REFERENCES



TOWN CENTRES AND PEDESTRIAN AREAS



PARKING AREAS



PEDESTRIAN AREAS



PEDESTRIAN AREAS



OFFICE PLAZA



OFFICE PLAZA

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

CROSS REFERENCE

MIFAB®	DESCRIPTION	PAGE NO.	ACO / Jay R. Smith
T1560-13	0.5% sloped shallow bodies, 4" internal width with integral galvanized steel rail	11	H100/9832-100
T1560-3	0.5% sloped shallow bodies, 4" internal width with integral stainless steel rail	11	HS100
T1500-13	0.5% sloped bodies, 4" internal width with integral galvanized steel rail	12	K100/9895
T1500-3	0.5% sloped bodies, 4" internal width with integral stainless steel rail	12	KS100/9660-CLG
T100-PGA-HPP-BLK, T100-PGA-HPP-GRY	Plastic longitudinal grating, half meter long, Load Class A	13	494D, 99575 9870-494-PADAB 495D, 99576 9870-494-PADAG
T100-PGA-13-FS	Galvanized steel slotted grating, one meter long, Load Class A	13	420D 12610 Class A JRS 9870-420-G
T100-PGA-13-FS-500	Galvanized steel slotted grating, half meter long, Load Class A	13	421D 12611 Class A JRS 9870-420-G0.5
T100-PGA-13-FP	Galvanized steel perforated grating, one meter long, Load Class A	13	410D 12666 Class A JRS 9870-410-GP
T100-PGA-13-FP-500	Galvanized steel perforated grating, half meter long, Load Class A	13	412D 12667 Class A JRS 9870-410-GP0.5
T100-PGA-3-FS	Stainless steel slotted grating, one meter long, Load Class A	13	450D 12640 Class A JRS 9870-450-SS
T100-PGA-3-FS-500	Stainless steel slotted grating, half meter long, Load Class A	13	452D 12641 Class A JRS 9870- 450-SS0.5G
T100-PGA-3-FP	Stainless steel perforated grating, one meter long, Load Class A	13	451D 12664 Class A JRS 9870-451-SSPA
T100-PGA-3-FP-500	Stainless steel perforated grating, half meter long, Load Class A	13	453D 12665 Class A JRS 9870-451-SSPA0.5
T100-PGC-13-FS	Galvanized steel slotted grating, one meter long, Load Class C	13	425D 12614 Class C JRS 9870- 425-GHD
T100-PGC-13-FS-500	Galvanized steel slotted grating, half meter long, Load Class C	13	426D 12615 Class C JRS 9870-425-GHD0.5
T100-PGC-13-GM	Galvanized steel mesh grating, one meter long, Load Class C	13	405D 132880 Class C JRS 9870-405-GM
T100-PGC-13-GM-500	Galvanized steel mesh grating, half meter long, Load Class C	13	406D 132881 Class C JRS 9870-405-GM0.5
T100-PGC-13-FP	Galvanized steel perforated grating, one meter long, Load Class C	13	411D 12656 Class C JRS 9870-411-GPAD
T100-PGC-13-FP-500	Galvanized steel perforated grating, half meter long, Load Class C	13	413D 12657 Class C JRS 9870-411-GPAD0.5
T100-PGC-3-FS	Stainless steel slotted grating, one meter long, Load Class C	13	455D 12644 Class C JRS 9870-455-SSHD
T100-PGC-13-FP-500	Stainless steel slotted grating, half meter long, Load Class C	13	457D 12645 Class C JRS 9870-455-SSHD0.5
T100-PGC-3-SM	Stainless steel mesh grating, one meter long, Load Class C	13	430D 132882 Class C JRS 9870-430-SSM
T100-PGC-3-SM-500	Stainless steel mesh grating, half meter long, Load Class C	13	431D 132883 Class C JRS 9870-430-SSM0.5
T100-PGC-3-FP	Stainless steel perforated grating, one meter long, Load Class C	13	465D 12654 Class C JRS 9870-465-SSP

MIFAB®	DESCRIPTION	PAGE NO.	ACO / Jay R. Smith
T100-PGC-3-FP-500	Stainless steel perforated grating, half meter long, Load Class C	13	466D 12655 Class C JRS 9870-465-SSP0.5
T100-PGC-HPP	Plastic slotted grating, half meter long, Load Class C	13	494D 99575 Class A JRS 9870-494-PADAB
T100-PGC-13-SD	Galvanized steel paverslot grating, one meter long, Load Class C	13	441/9835
T100-PGC-13-SD-500	Galvanized steel paverslot grating, half meter long, Load Class C	13	442/ 9835-.5
T100-PGC-3-SD	Stainless steel paverslot grating, one meter long, Load Class C	13	443 138045 Class C
T100-PGC-3-SD-500	Stainless steel paverslot grating, half meter long, Load Class C	13	444 138046 Class C
T100-PGE-4-ADA	Ductile iron bar grating, half meter long, Load Class E, longitudinal slotted	13	478Q 03314 Class E JRS 9870-478-ADA
T100-PGE-4	Ductile iron slotted grating, half meter long, Load Class E	13	461Q JRS 9870-461-M
T100-PGF-4	Ductile iron slotted grating, half meter long, Load Class F	13	S100K/ 96082
T1700-13	0.5% sloped bodies, 8" internal width with integral galvanized steel rail	16	K200/9896-G
T1700-3	0.5% sloped bodies, 8" internal width with integral stainless steel rail	16	KS200/9896-SS
T200-PGC-4	Ductile iron slotted grating, half meter long, Load Class C	17	660D 142177 Class C
T200-PGC-3-SM	Stainless steel mesh grating, one meter long, Load Class C	17	665D 138082 Class C
T200-PGC-3-SM-500	Stainless steel mesh grating, half meter long, Load Class C	17	666D 138083 Class C 9880-666-SSP
T200-PGE-4-ADA	Ductile iron, longitudinal grating, half meter long, Load Class E	17	678Q 138129 Class E JRS 9880-678-MADA
T200-PGE-4	Ductile iron slotted grating, half meter long, Load Class E	17	661Q 10351 Class E JRS 9880-661-M
T200-PGF-4	Ductile iron slotted grating, half meter long, Load Class F	17	S200K / 2449
T1800	12" internal width with integral ductile iron rail, Load Class F	20	S300K
T1800-13	0.5% sloped bodies, 12" internal width with integral galvanized steel rail	20	K300/9897
T1800-3	0.5% sloped bodies, 12" internal width with integral stainless steel rail	20	KS300/9897-SS
T300-PGC-13-GM	Galvanized steel mesh grating, meter long, Load Class C	21	805D 13819 Class C JRS 9890-805-GM

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

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. 64.

TERMS AND WARRANTIES**WHOLESALE DISCOUNT:**

Contact MIFAB® or your local representative for your applicable discount structure.

PLUMBING WHOLESALE FREIGHT ALLOWANCE: Ex Works, MIFAB®'s Chicago, Illinois Factory or Manufacturer Representative's warehouse with full motor freight allowed on shipments of \$5000.00 Net or more, within the continental U.S.A. and Canada, except Alaska, Hawaii and Puerto Rico. MIFAB® reserves the right to choose the carrier and route of shipment. Shipping dates are estimates and time of delivery is not the essence of the sale of the contract. Therefore, under no circumstances will MIFAB® have any responsibility on account of any delays in manufacture, transportation, or otherwise. Additional freight services such as construction site delivery, lift gate delivery service, re-consigned freight or notification charges, are not included in full freight allowance terms, and will result in additional freight charges.

CONCRETE WHOLESALE FREIGHT ALLOWANCE: Ex Works, MIFAB®'s Chicago, Illinois Factory or Manufacturer Representative's warehouse with full motor freight allowed on shipments of \$10,000.00 Net or more, within the continental U.S.A. and Canada, except Alaska, Hawaii and Puerto Rico.

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.

CONTENTS © MIFAB® INC. Copyright 2024

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

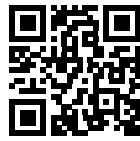
MIFAB CATALOGS



MPB-2024-USA SPECIFICATION DRAINAGE PRODUCTS (LIT-067)



CLPB-2024 LIGHT COMMERCIAL PRODUCTS (LIT-048)



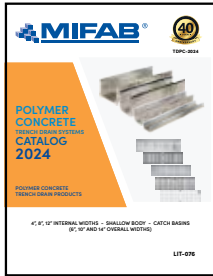
AD-2024-USA ACCESS DOORS (LIT-043)



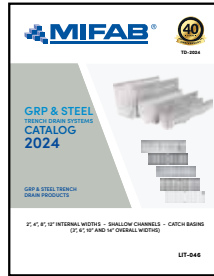
BEECO-2022 BACKFLOW PREVENTERS AND ACCESSORIES (LIT-071)



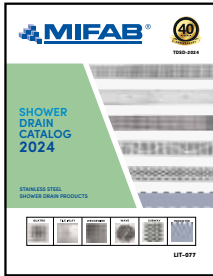
NH-2022-06 NO HUB COUPLINGS (LIT-044)



TPC-2024 POLYMER CONCRETE TRENCH DRAINS (LIT-076)



TD-2024 GRP & STEEL TRENCH DRAINS (LIT-046)



TDS-2024 SHOWER DRAINS (LIT-077)



TDSS-2024 STAINLESS STEEL TRENCH DRAINS (LIT-072)



ROOFGUARD-2020 ROOFGUARD ROOF DOMES (LIT-058)



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



DB-2024 DIALYSIS BOXES (LIT-070)



HYDROMAX-2020 SIPHONIC ROOF DRAINAGE SYSTEMS (LIT-082)



INT-2024 INTERCEPTORS & ACID NEUTRALIZATION TANKS (LIT-095)



TSP-2022-08 TRAP SEAL PRIMERS (LIT-062)



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

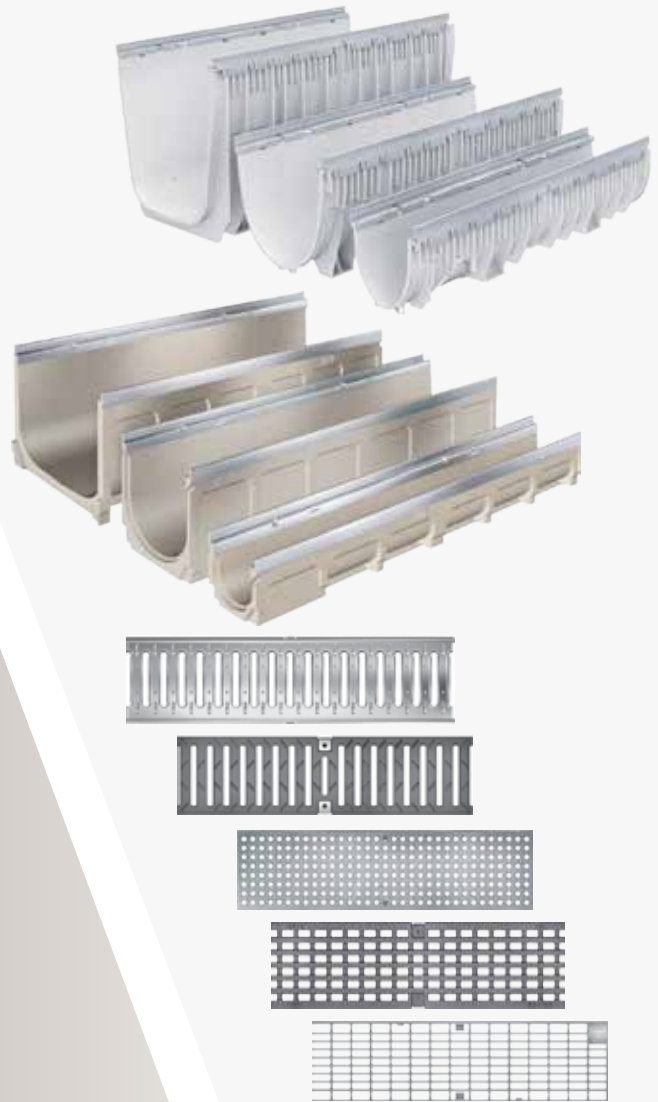
MIFAB®, Inc., 1321 West 119th Street, Chicago, Illinois 60643-5109, USA
All sales subject to MIFAB's Terms and Warranties, please refer to page no. 64.



TD-2024-CONCRETE

TRENCH DRAIN CATALOG 2024

GRP & POLYMER CONCRETE
TRENCH DRAIN PRODUCTS



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

LIT-086

Rev-1