

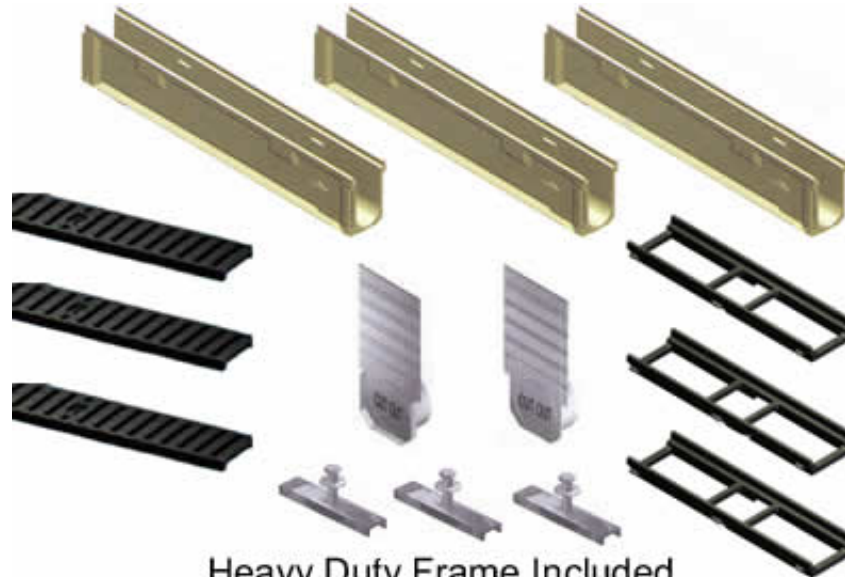
TPC700 Complete Kit

Series

TPC700

Cut Sheet

Polycast 700 Series

6" Wide POLYCAST 700 Heavy Duty Frame Polymer Concrete Trench Drain Kit


Heavy Duty Frame Included
C Class Ductile Iron Grates Standard

**New Polymer Concrete Trench Drain with Cast Iron Frame
6 Inch Wide - 25 Ton Load Iron Grate Standard.**

Complete system - Each Kit Includes:

- Specified Number of 48" Long Sections of Trench Drain Channel.
- Specified Number of 24" Long Sections of HARDNOSE Cast Iron Frames.
- Specified Number of C Class Ductile Iron Slotted Grates Standard.
- 1 - Universal End Cap Solid or 4" Inlet.
- 1 - Universal End Cap Solid or 4" Outlet.
- Galvanized Lockdowns for Grates.

Upgrades Available :

- UPGRADE Grate to E Class or E Class ADA Longitudinally Slotted.
- ADD Installation Chairs.
- CHOOSE Flat or Linear Fall.
- ADD 2 foot Extension.

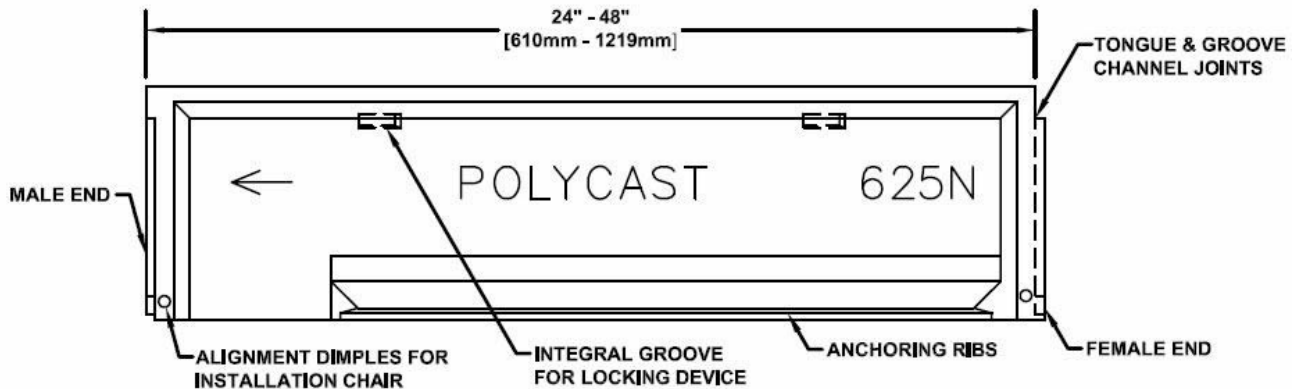
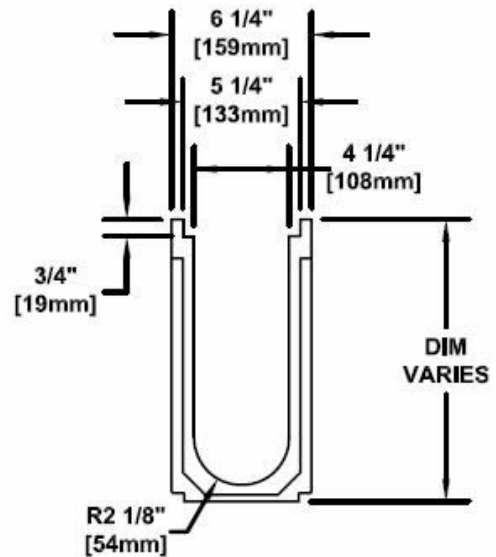
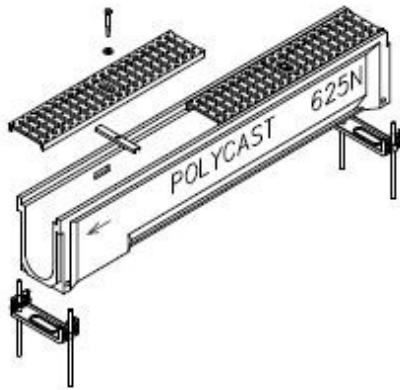
POLYCAST®

1-877-903-7246



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Number	Series
DP0600	TPC600 / 700
	Channel
	Polycast 600 / 700 Series



☒	Channel Number	Part No.
☐	Polyester Concrete Channels	DP06 __
☐	Vinyl Ester Concrete Channels	DV06 __

Manufacturer

POLYCAST®

Specification

POLYCAST 600 SERIES PRE-SLOPED TRENCH DRAIN IS A .65% SLOPED TRENCH DRAIN SYSTEM WITH 6 1/4" WIDE X A NOMINAL 48" LONG POLY-ESTER POLYMER CONCRETE CHANNELS WITH TONGUE AND GROOVE CONNECTIONS. CHANNELS 605/610/615/620/625 AND NON-SLOPING (NEUTRALS) WILL BE SUPPLIED WITH DRILL OUTS FOR 4" BOTTOM OUT-LET. INSTALLATION CHAIRS RECOMENDED FOR INSTALLATION.

DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.

Number

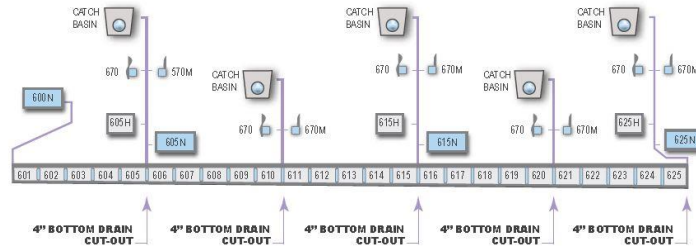
DP0600 Size Chart

Series

TPC600 / 700

Channel Size Chart

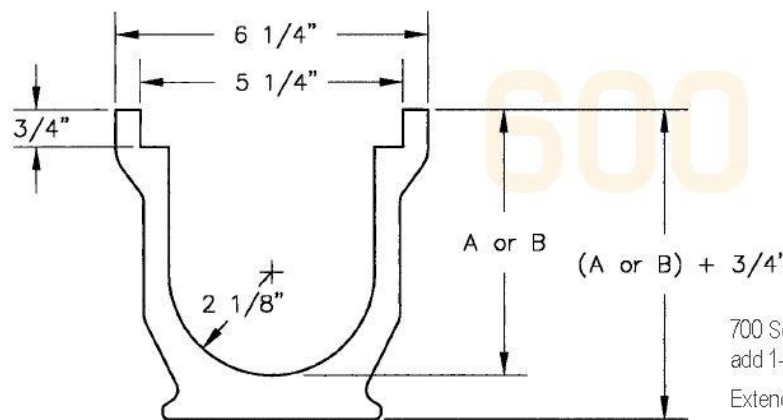
Polycast 600 / 700 Series



NOTE 1: All half and non-sloped channels have bottom cut outs.
NOTE 2: All half and non-sloped channels accept the corresponding end caps.

Channel Number	Weight Lbs.	Inlet DIM 'A'	Outlet DIM 'B'
601	44	4-1/16	4-3/8
602	45	4-3/8	4-11/16
603	46	4-11/16	5
604	46	5	5-5/16
605	47	5-5/16	5-5/8
605N (non-sloped)	48	5-5/8	5-5/8
605H (non-sloped 24")	22	5-5/8	5-5/8
606	49	5-5/8	5-15/16
607	50	5-15/16	6-1/4
608	51	6-1/4	6-9/16
609	52	6-9/16	6-7/8
610	54	6-7/8	7-3/16
611	55	7-3/16	7-1/2
612	56	7-1/2	7-13/16
613	57	7-13/16	8-1/8

Channel Number	Weight Lbs.	Inlet DIM 'A'	Outlet DIM 'B'
614	58	8-1/8	8-7/16
615	59	8-7/16	8-3/4
615N (non-sloped)	61	8-3/4	8-3/4
615H (non-sloped 24")	29	8-3/4	8-3/4
616	62	8-3/4	9-1/16
617	63	9-1/16	9-3/8
618	64	9-3/8	9-11/16
619	65	9-11/16	10
620	66	10	10-5/16
621	68	10-5/16	10-5/8
622	71	10-5/8	10-15/16
623	72	10-15/16	11-1/4
624	75	11-1/4	11-9/16
625	76	11-9/16	11-7/8
625N (non-sloped)	76	11-7/8	11-7/8
625H (non-sloped 24")	38	11-7/8	11-7/8



700 Series HARDNOSE and DURAGUARD® frames
add 1-3/16" to dimensions A or B.

Extender Panels add 7-13/16" to dimensions A or B.

Manufacturer

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Specification

POLYCAST 600 SERIES PRE-SLOPED TRENCH DRAIN IS A .65% SLOPED TRENCH DRAIN SYSTEM WITH 6 1/4" WIDE X A NOMINAL 48" LONG POLY-ESTER POLYMER CONCRETE CHANNELS WITH TONGUE AND GROOVE CONNECTIONS. CHANNELS 605/610/615/620/625 AND NON-SLOPING (NEUTRALS) WILL BE SUPPLIED WITH DRILL OUTS FOR 4" BOTTOM OUTLET. INSTALLATION CHAIRS RECOMMENDED FOR INSTALLATION.

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Number

DA0670 & DA0670M Endcaps

Series

TPC600 / 700

Endcaps

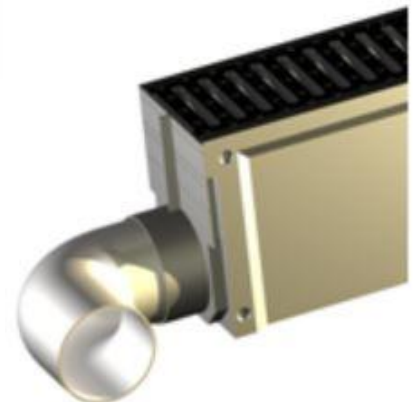
Polycast 600 / 700 Series



Polycast end caps are used to enclose or provide piping transitions to outlet or inlet ends of the channel whenever catch basins are not being used. End caps output to a 4" pipe. Material is ABS plastic.

Contact the factory for information on polymer concrete end caps.

Description	Part Number
Cap for outlet channel	DA0670
Cap for inlet channel	DA0670M



Manufacturer

POLYCAST®

Specification

POLYCAST DA0670 AND DA0670M ENDCAPS ARE USED TO ENCLOSE OR PROVIDE PIPING TRANSITIONS TO OUTLET OR INLET ENDS OF THE CHANNEL WHENEVER CATCH BASINS ARE NOT BEING USED. END CAPS OUTPUT TO 4" PIPE. MATERIAL IS ABS PLASTIC

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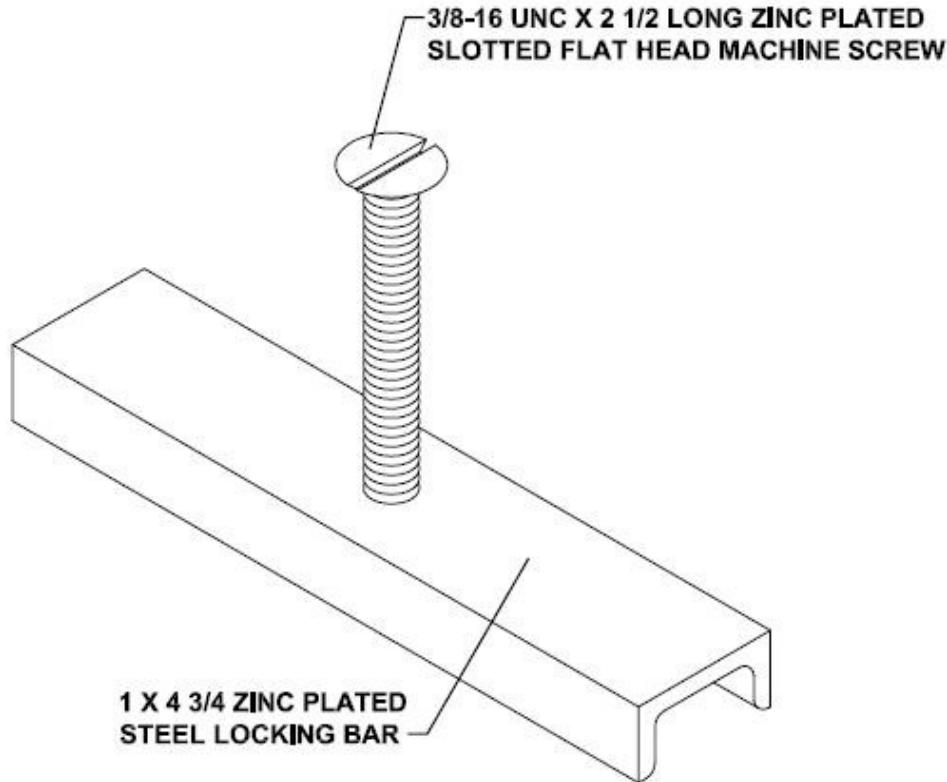
Number DA0633	Series TPC600 / 700 Steel Installation Chair Polycast 600 / 700 Series
5/16-18 UNC X 1" LONG CHANNEL ALIGNMENT/LOCKING BOLTS 4 PLACES 5/16-18 UNC X 1/2" LONG CLAMPING BOLTS 4 PLACES STRAP CLIP, 14 GAUGE (2 PLACES)	
Manufacturer POLYCAST®	Specification POLYCAST DA0633 INSTALLATION CHAIR IS THE MOST EFFICIENT AND ECONOMICAL MEANS OF SETTING A PRECAST TRENCH. THE INSTALLATION CHAIR SUPPORTS THE ENDS OF THE CHANNELS, ALIGNS AND LOCKS THE JOINTS RIGIDLY TOGETHER AND PREVENTS THE CHANNELS FROM FLOATING. THE CHAIR IS MADE OF 1018 HOT ROLLED STEEL WITH A ZINC PLATED FINISH AND WEIGHS 1 LBS.
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Number	DA0642	Series	TPC600
			Locking Device for Galvanized Grates
			Polycast 600 Series



Grate Options (Select One)			
☒	Grate Type	Part No.	DIN Load Class
☐	Galvanized Steel Solid (ADA Compliant)	DG0645	Class A
☐	Galvanized Steel Perforated (ADA Compliant)	DG0646	Class A
☐	Galvanized Steel Slotted	DG0640	Class A
☐	DURAGUARD® Slotted	DG0670	Class A
☐	DURAGUARD® Longitudinal (ADA Compliant)	DG0675	Class A
☐	Double Galvanized Steel Slotted	DG0640R	Class C
☐	Double Galvanized Steel Solid (ADA Compliant)	DG0645R	Class C
☐	Double Galvanized Steel Perforated (ADA Compliant)	DG0646R	Class C

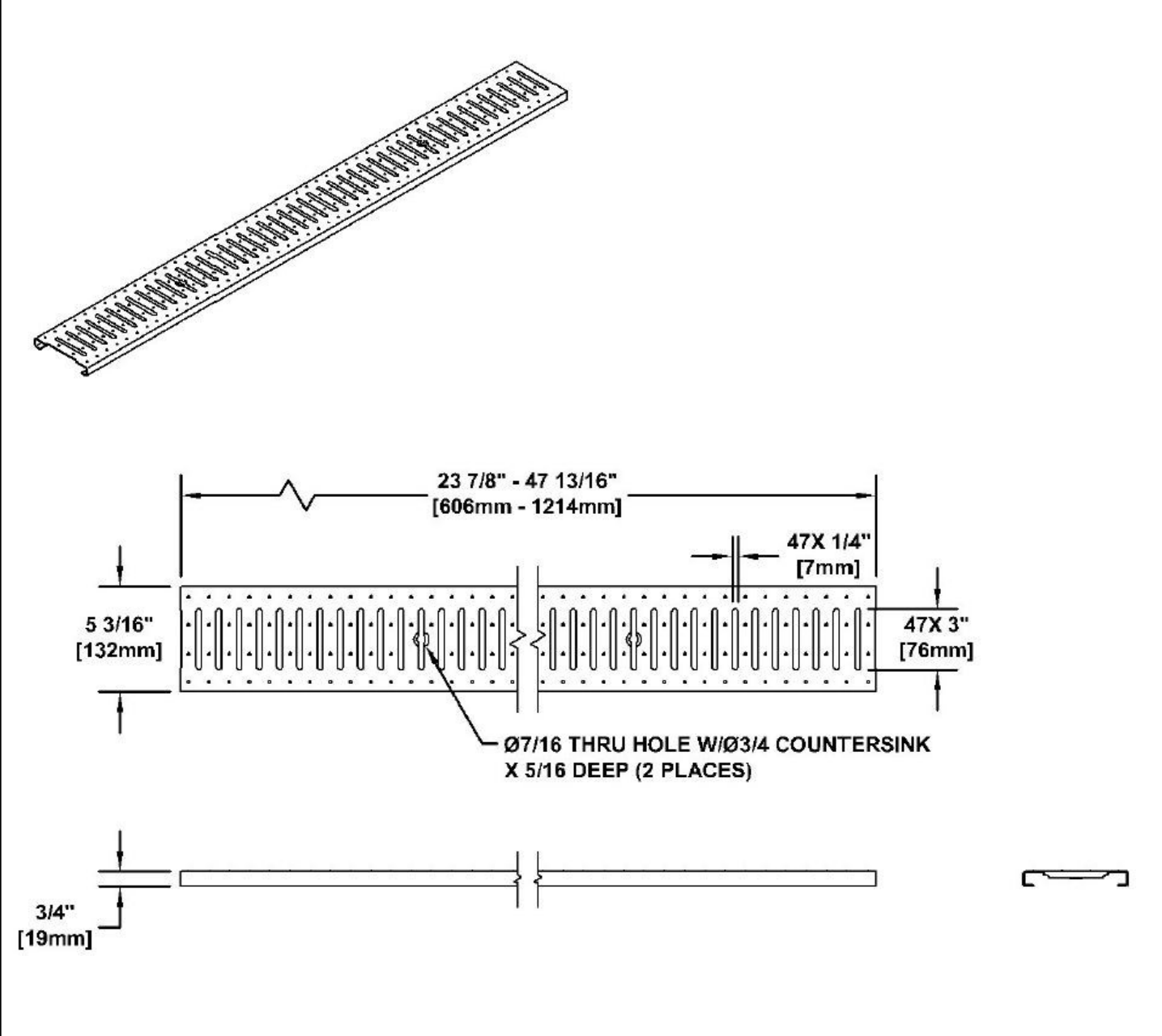
Manufacturer	Specification
POLYCAST®	POLYCAST DA0642 SERIES LOCKING DEVICES ARE TO BE USED WITH ALL GRATING SYSTEMS WHERE WHEEL TRAFFIC OCCURS. THIS IS NECESSARY TO PROVIDE SYSTEM INTEGRITY. TO BE USED WITH GALVANIZED STEEL GRATES

DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.

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Number DG0640	Series TPC600 A Class Galvanized Polycast 600 Series
	
Manufacturer POLYCAST	Specification POLYCAST DG0640 IS APPROPRIATE FOR MANY GENERAL USE CONDITIONS. GRATE LOCKING DEVICE PART NO DA0642 SHOULD BE USED AND MAINTAINED SECURE. THE GRATE HAS 20% (41IN2) OF OPEN AREA. THE GRATE IS MADE OF HOT DIPPED GALVANIZED 14 GAUGE ASTM A36 STEEL AND WEIGHS APPROXIMATELY 8LBS. MEETS LOAD CLASS A. CHANNEL END
DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.	

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Number DG0641	Series TPC600 / 700 C Class Ductile Iron Grate Polycast 600 / 700 Series
DIN APPLICATION LOAD CLASS C: Curb sides, highway shoulders, and parking areas Designed for a distributed pressure of 56,200 lbs (250 kN). Meets the following Standards & Specifications: - DIN 19580 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrian Areas - Australian Standard AS 3996-2006 Clause 3.3.6	
Manufacturer POLYCAST	Specification POLYCAST DG0641 IS APPROPRIATE FOR MANY GENERAL USE CONDITIONS. GRATE LOCKING DEVICE PART NO DA0642B SHOULD BE USED AND MAINTAINED SECURE. THE GRATE HAS 39% (40IN2) OF OPEN AREA. THE GRATE IS MADE OF ASTM A48 GR. 30-B OR GR. 35-B AND WEIGHS APPROXIMATELY 14LBS. THE GRATE IS ONLY AVAILABLE IN A 24"(610mm) LENGTH. MEETS LOAD CLASS C.
DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.	

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Number DG0641D	Series TPC600 / 700 D Class Ductile Iron Grate Polycast 600 / 700 Series
DIN APPLICATION LOAD CLASS D: Traficked sections of roads and highways Designed for a distributed pressure of 89,900 lbs (400 kN). Meets the following Standards & Specifications: • DIN 19580 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrian Areas • Australian Standard AS 3996-2006 Clause 3.3.6	
Manufacturer POLYCAST®	Specification POLYCAST DG0641D IS APPROPRIATE FOR MANY GENERAL USE CONDITIONS. LOCKING DEVICE SHOULD BE USED. THE GRATE HAS 39% (40IN2) OF OPEN AREA. THE GRATE IS MADE OF ASTM A536 GR. 65-45-12 AND WEIGHS 13LBS. 240LENGTH. LOAD CLASS D WHEN USED ALONE IN A 600 SERIES CHANNEL. MEETS LOAD CLASS E WHEN USED IN CONJUNCTION WITH A DG0700AA FRAME.
DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.	

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Number DG0641S	Series TPC600 / 700 D Class Cast Iron Solid Polycast 600 / 700 Series
23 7/8" [606mm] 3/8 HIGH X 1/16 RAISED LETTERS POLYCAST 5 3/16" [132mm] STANDARD CHECKERED TOP DESIGN TYPE-C 7/16 [11mm] X 1 7/16 37mm] FULL RADIUS THRU SLOT W/ 1 1/16 [27mm] X 2 1/16 [52mm] X 5/16 [8mm] DEEP FULL RADIUS RECESS 3/4" [19mm] D DIN APPLICATION LOAD CLASS D: Traficked sections of roads and hghways Designed for a distrlbuted pressure of 89,920 lbs (400 kN). Meets the following Standards & Specifications: • DIN 19580 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrian Areas • The Americans with Disabilities Act of 1990: 4.5.4 • ASME A112.6.3: Section 7.12 Heel Resistant Strainers and Grates • Australlan Standard AS 3996-2006 Clause 3.3.6	
Manufacturer POLYCAST®	Specification POLYCAST DG0641S IS APPROPRIATE FOR MANY GENERAL USE CONDITIONS. GRATE LOCKING DEVICE PART NO DA0642B SHOULD BE USED AND MAINTAINED SECURE. THE GRATE HAS 39% (40IN2) OF OPEN AREA. THE GRATE IS MADE OF ASTM A536 GR. 65-45-12 (DUCTILE IRON) AND WEIGHS APPROXIMATELY 18LBS. THE GRATE IS ONLY AVAILABLE IN A 246(610mm) LENGTH. MEETS LOAD CLASS D.
DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.	

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Number DG0675HD	Series TPC600 / 700 D DI ADA Longitudinal Grate Polycast 600 / 700 Series
DIN APPLICATION LOAD CLASS D: Traficked sections of roads and highways Designed for a distributed pressure of 89,920 lbs (400 kN). Meets the following Standards & Specifications: • DIN 19580 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrian Areas • The Americans with Disabilities Act of 1990: 4.5.4 • Australian Standard AS 3996-2006 Clause 3.3.6	
Manufacturer POLYCAST®	Specification POLYCAST DG0675HD DUCTILE IRON LONGITUDINALLY SLOTTED ADA GRATE HAS 26% (32IN2) OF OPEN AREA. THE GRATE IS MADE OF ASTM A536 GR. 65-45-12 AND WEIGHS 15LBS. 24" LENGTH. LOAD CLASS D WHEN USED ALONE IN A 600 SERIES CHANNEL.. MEETS LOAD CLASS E WHEN USED IN CONJUNCTION WITH A DG0700AA FRAME. LOCKING DEVICES SHOULD BE USED TO SECURE.
DISCLAIMER - The customer and the customer's architects, engineers, consultants, and other professionals are completely responsible for the selection installation and maintenance of any product purchased from Trench Drain Supply and/or its manufacturers. TRENCH DRAIN SUPPLY MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE SUITABILITY, DESIGN, MERCHANTABILITY, OR FITNESS OF THE PRODUCT FOR CUSTOMERS APPLICATION. The drawing and information provided remain the property and copyright of the manufacturer listed. The manufacturer reserves the right to modify specification without notice.	