### TPC600 Complete Kit

**Series**
- Polycast 600 Series

**TPC600 Cut Sheet**

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### 6” Wide POLYCAST 600 Polymer Concrete Trench Drain Kit

**A Class Galvanized Grates Standard**

**New Polymer Concrete Trench Drain Complete Kit**

**6 Inch Wide - A Class Galvanized Grate Standard.**

**Complete system - Each Kit Includes:**

- Specified Number of 48” Long Sections of Trench Drain Channel.
- Specified Number of A Class Galvanized 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 C Class or E Class Ductile Iron. ADA Options Available.
- ADD Installation Chairs.
- CHOOSE Flat or Linear Fall.
- ADD 2 foot Extension.
### Channel Number

| Part No. | Polyester Concrete Channels | DP06__ | Vinyl Ester Concrete Channels | DV06__ |

**Manufacturer**

**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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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 POLYESTER 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.

Newmark Corporation T/A Trench Drain Supply - 5621 Raby Rd - Norfolk, Virginia 23502 - Phone 877-903-7246 - Fax 757-299-8059 - All Rights Reserved.
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cap for outlet channel</td>
<td>DA0670</td>
</tr>
<tr>
<td>Cap for inlet channel</td>
<td>DA0670M</td>
</tr>
</tbody>
</table>

**Manufacturer**

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.

**Specification**

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**Number** | **Series** | **Manufacturer**
---|---|---
DA0633 | TPC600 / 700 Steel Installation Chair | Polycast 600 / 700 Series

**Specification**

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
</table>

**Manufacturer**

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**Grate Options (Select One)**

<table>
<thead>
<tr>
<th>Grate Type</th>
<th>Part No.</th>
<th>DIN Load Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galvanized Steel Solid (ADA Compliant)</td>
<td>DG0645</td>
<td>Class A</td>
</tr>
<tr>
<td>Galvanized Steel Perforated (ADA Compliant)</td>
<td>DG0646</td>
<td>Class A</td>
</tr>
<tr>
<td>Galvanized Steel Slotted</td>
<td>DG0640</td>
<td>Class A</td>
</tr>
<tr>
<td>DURAGUARD® Slotted</td>
<td>DG0670</td>
<td>Class A</td>
</tr>
<tr>
<td>DURAGUARD® Longitudinal (ADA Compliant)</td>
<td>DG0675</td>
<td>Class A</td>
</tr>
<tr>
<td>Double Galvanized Steel Slotted</td>
<td>DG0640R</td>
<td>Class C</td>
</tr>
<tr>
<td>Double Galvanized Steel Solid (ADA Compliant)</td>
<td>DG0645R</td>
<td>Class C</td>
</tr>
<tr>
<td>Double Galvanized Steel Perforated (ADA Compliant)</td>
<td>DG0646R</td>
<td>Class C</td>
</tr>
</tbody>
</table>

**Manufacturer**

**Specification**

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.
<table>
<thead>
<tr>
<th>Number</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG0640</td>
<td>TPC600</td>
</tr>
</tbody>
</table>

**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% (41 IN2) OF OPEN AREA. THE GRATE IS MADE OF HOT DIPPED GALVANIZED 14 GAUGE ASTM A36 STEEL AND WEIGHS APPROXIMATELY 8LBS. MEETS LOAD CLASS A.

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<table>
<thead>
<tr>
<th>Number</th>
<th>Series</th>
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</thead>
<tbody>
<tr>
<td>DG0675</td>
<td>TPC600</td>
</tr>
<tr>
<td></td>
<td>A Class HDPE ADA Slotted</td>
</tr>
<tr>
<td></td>
<td>Polycast 600</td>
</tr>
</tbody>
</table>

**Manufacturer**

![Polycast Logo]

**Specification**

POLYCAST DG0675 GRATE IS A HIGH DENSITY POLYETHYLENE ADA GRATE. WHEN USED IN HIGH VELOCITY TRANSVERSE SHEET FLOW APPLICATIONS, THE LONGITUDINAL SLOTS CREATE TURBULENCE TO IMPROVE ENTRY OF FLOW INTO THE CHANNEL. LOCKING DEVICE PART NO DA0642 SHOULD BE USED. THE GRATE HAS 23% (28 IN2) OF OPEN AREA. MEETS LOAD CLASS A.

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**Manufacturer**

**Specifcation**

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 WEIGHTS APPROXIMATELY 14LBS. THE GRATE IS ONLY AVAILABLE IN A 24" (610mm) LENGTH. MEETS LOAD CLASS C.

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

**Number**

DG0641

**Series**

TPC600 / 700

C Class Ductile Iron Grate
Polycast 600 / 700 Series

**Manufacturer**

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**Number** | **Series** | **DG0641D**
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**TPC600 / 700**

D Class Ductile Iron Grate
Polycast 600 / 700 Series

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**Manufacturer**

![Polycast Logo]

**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. 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.

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**DIN Application Load Class D:**
Trafficked sections of roads and highways
Designed for a distributed pressure of 89,900 lbs (400 kN).

Meets the following Standards & Specifications:
- DIN 19550 / DIN EN 1433 Drainage Channels for Vehicular and Pedestrian Areas
- Australian Standard AS 3996-2006 Clause 3.3.6

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Number: DG0675HD  
Series: TPC600 / 700  
Polycast 600 / 700 Series

DGRATE 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.

Polycast DG0675HD Ductile Iron Longitudinally Slotted ADA Grate

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DIN APPLICATION LOAD CLASS D:
Trafficked 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

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