



*Innovations in Precast, Drainage  
& Wastewater Products*



**Zabel®**  
A Division of Polylok Inc.

April 15, 2020

RE: Installation guide lines for Polylok 20" and 24" Distribution boxes

Polylok D-boxes should never be used where vehicle or equipment traffic will be present.

The maximum depth of burial is 4 feet for all D-boxes.

The bedding material should be select septic gravel (per state specs)

The minimum backfill requirements should be select septic gravel (per state specs) compacted in 6 inch lifts with the final lift allowing for the use of top soil.

The above recommendations are based on reasonable assumptions of soil conditions. Anytime the installation is outside these conditions, an engineer should be consulted.

Should you have any questions or require clarification, please do not hesitate to contact this office.

Yours sincerely,

Charles Brix  
Vice President  
Design & Development  
T: (203) 626-6123  
F: (203) 284-3495



**NEW**



*introducing the*  
**POLYLOK 24" 10 HOLE**  
**RHINO BOX**

This Rhino Box is the most versatile box on the market. It has ten (10) potential openings. It can be used as a catch basin, distribution box, pump chamber, meter pit, and much more.

**Features:**

- Easy to install
- Accepts 24" Polylok risers
- Accepts 4", 3", & 2" pipe
- Accepts 6" pipe with the use of Polylok 6" grommets
- Pipe can be installed at various heights

**Part Numbers:**

- 3017-C24 (w/ domed cover - 3008-RC)
- 3017-G24 (w/ heavy duty grate - 3008-G24)
- 3017-24 (w/ no cover/grate or screws)

**Package includes:**

- 24" ten (10) hole box
- Cover or Grate\*
- (4) Seals
- (8) Stainless steel screws\*

\* Not included with PN: 3017-24

**Recommended:**

Make the perfect size hole for your Polylok 4" seals with the Rhino Horn 5-1/8" bi-metal hole saw with arbor. (PN: PL-HS-513)



*Our Rhino Box makes even the toughest applications a breeze with its strength and versatility!*



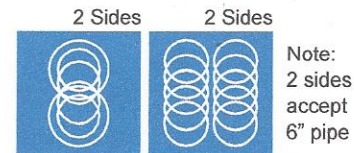


## 20" ROUND D-BOXES

We have the solution to all of your drainage and distribution needs with our 20" D-Box! This box is great for large applications such as golf courses, but is also a suitable size for the home. There's no need to worry about different colored fittings or plugs to inventory because as well as accepting 2", 3", & 4" pipe, our box can also accept 6" pipe. Our 20" D-Box will also accept our 20" risers so you can easily bring the D-Box to grade.

### FEATURES

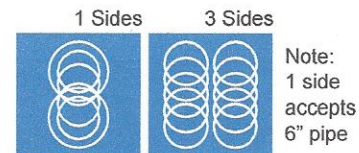
- Easy to install
- Perfect for large drainage / distribution applications
- Pipe can be installed at various heights
- Comes with four 4" seals
- One seal accepts 2", 3", & 4" (SCH 40, SDR 35, and corrugated) pipe
- No different colored fittings or plugs to inventory
- 20" D-Box can be used as a valve or meter box
- Accepts 20" Polylok risers to bring to grade
- Flat cover or grate included
- Also accepts 6" pipe (6" seals sold separately)



### 6 Hole

#### Configuration

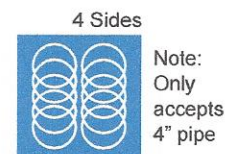
3017-20CG6 (Grate)  
3017-206 (Cover)



### 7 Hole

#### Configuration

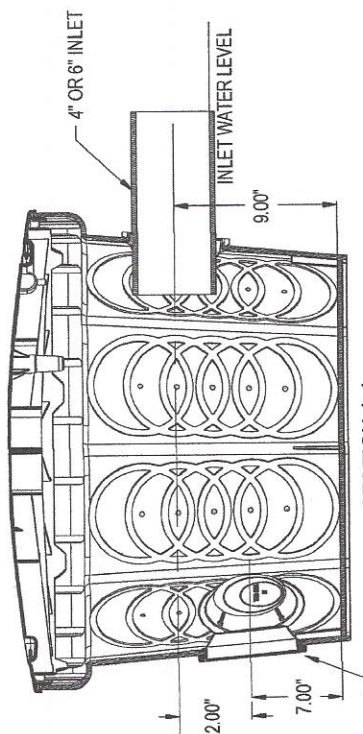
3017-207G (Grate)  
3017-207 (Cover)



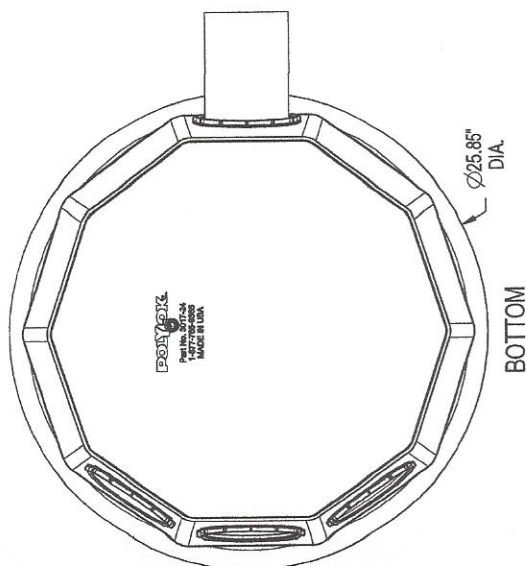
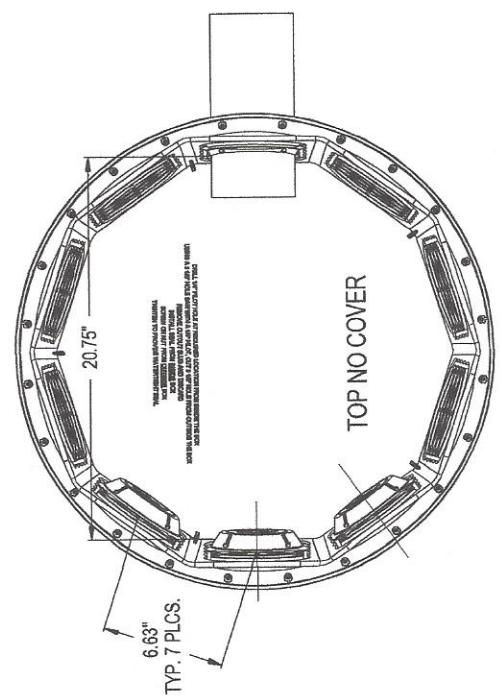
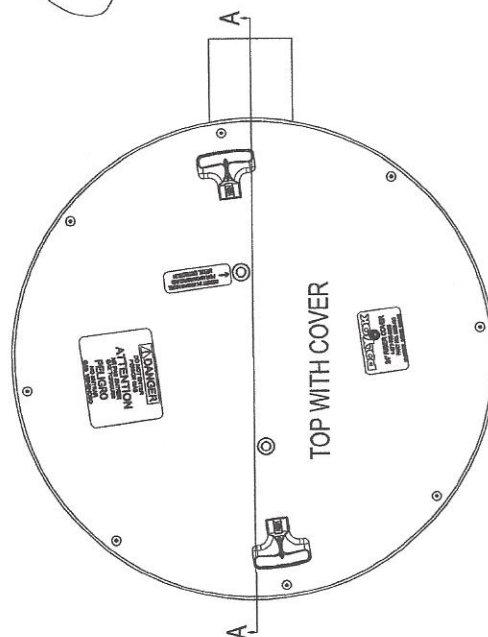
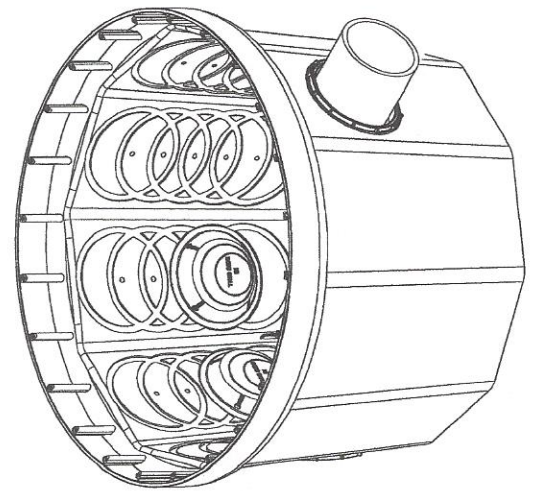
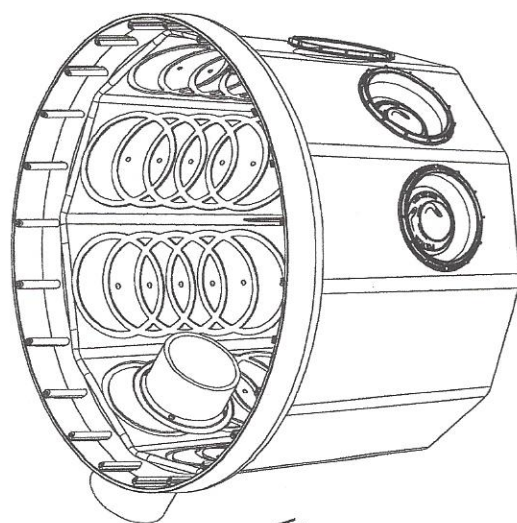
### 8 Hole

#### Configuration

3017-20CG (Grate)  
3017-20 (Cover)

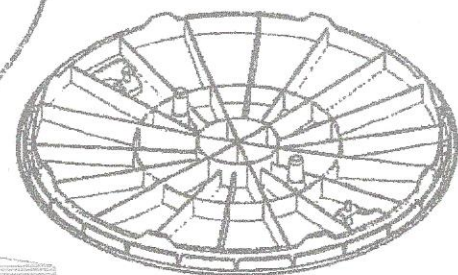
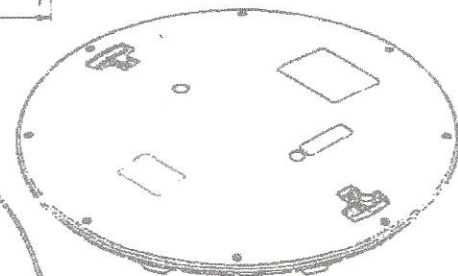
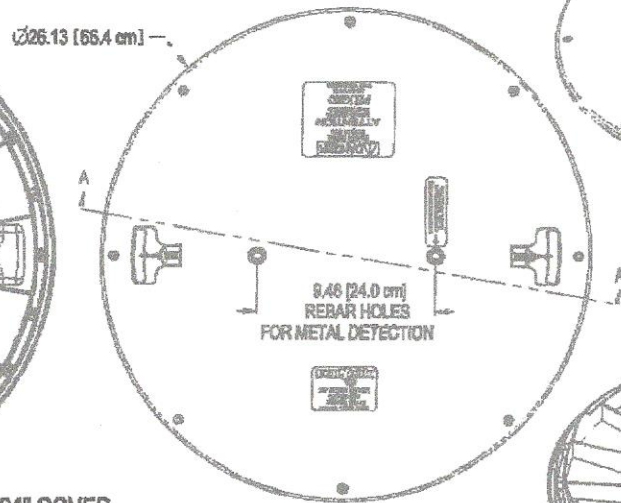
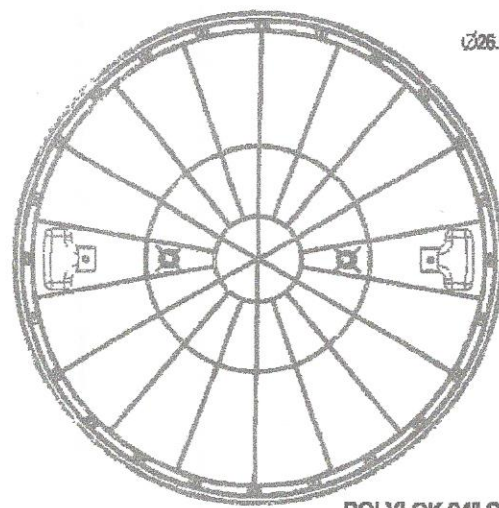
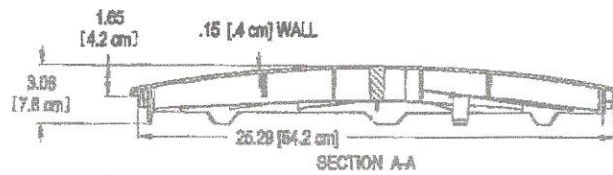


4" OR 6" OUTLETS  
10 INLET OR OUTLET PORTS AVAILABLE



POLYLOK 24" LEVEL D-BOX  
PART NO. 3017-24  
MATERIAL - HDPE  
NOMINAL WALL THICKNESS - .25"  
CAPACITY - 28 GALLONS

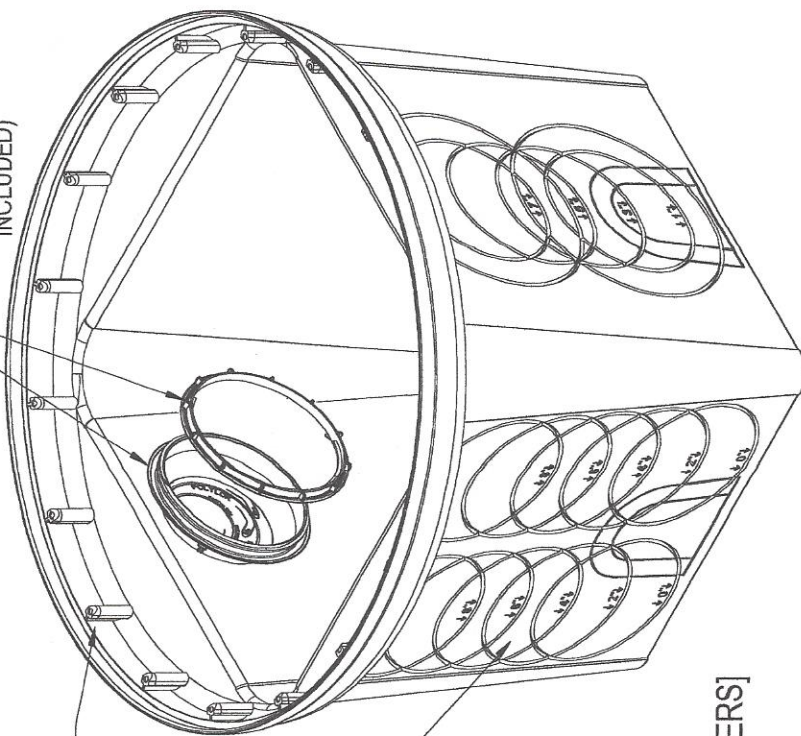
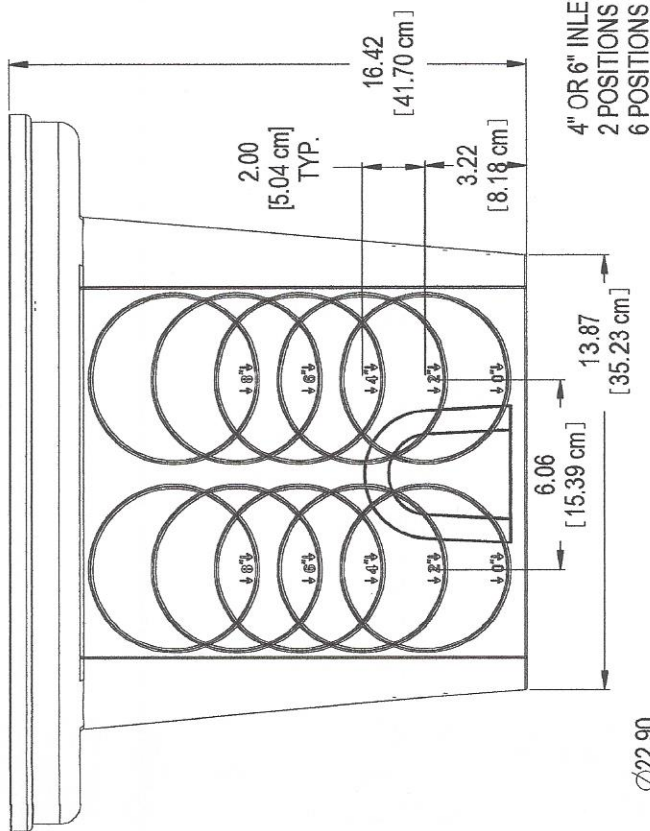
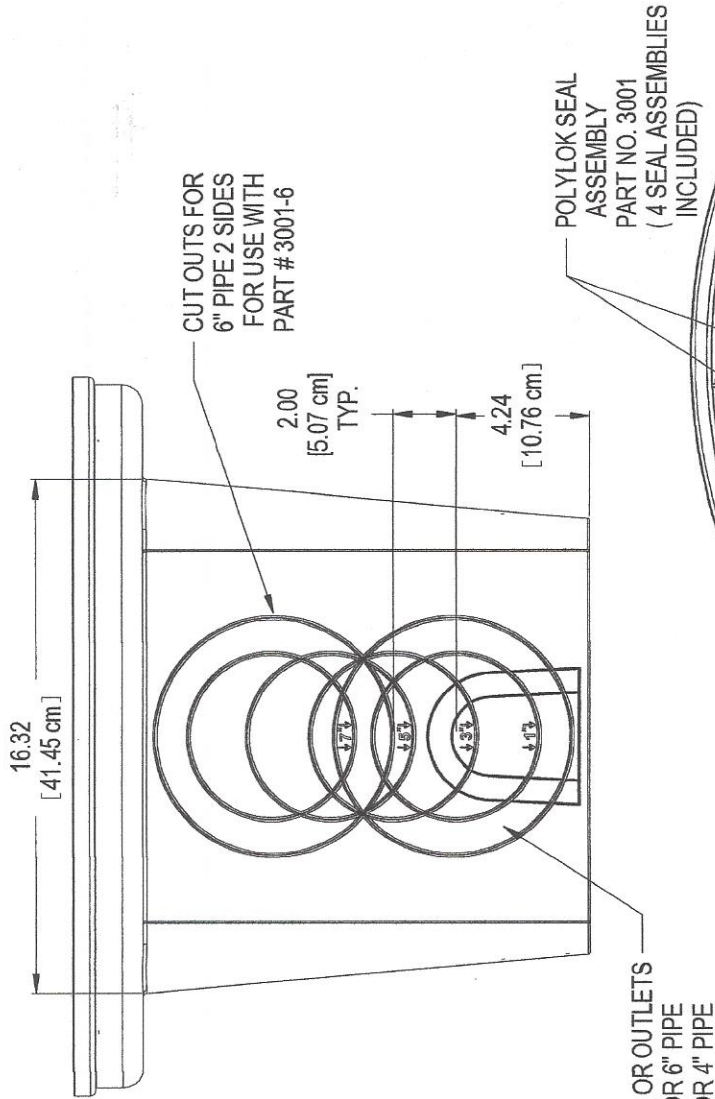
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POLYLOK 24" COVER  
PART NO. 3008-RC  
MATERIAL - HDPE  
COLOR - GREEN  
3/22/13

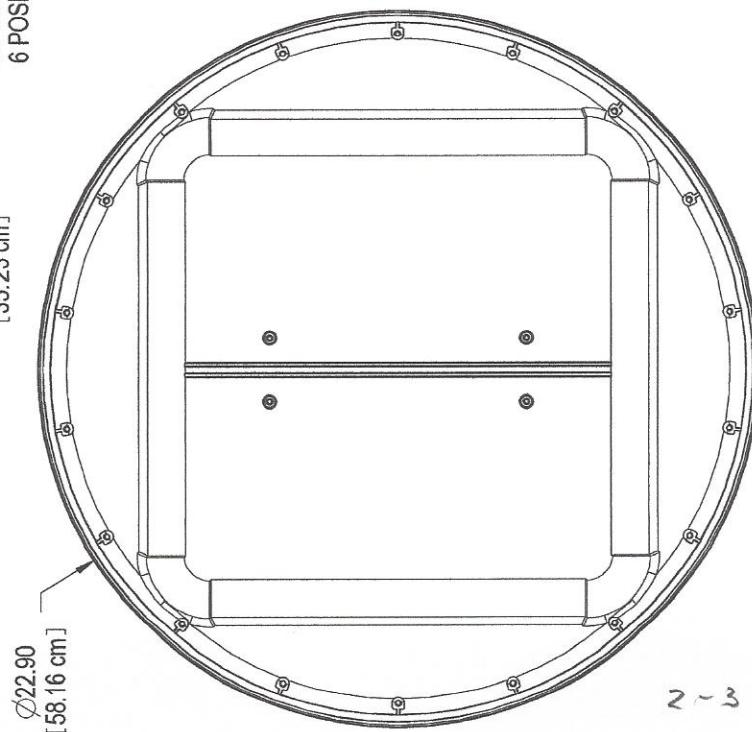




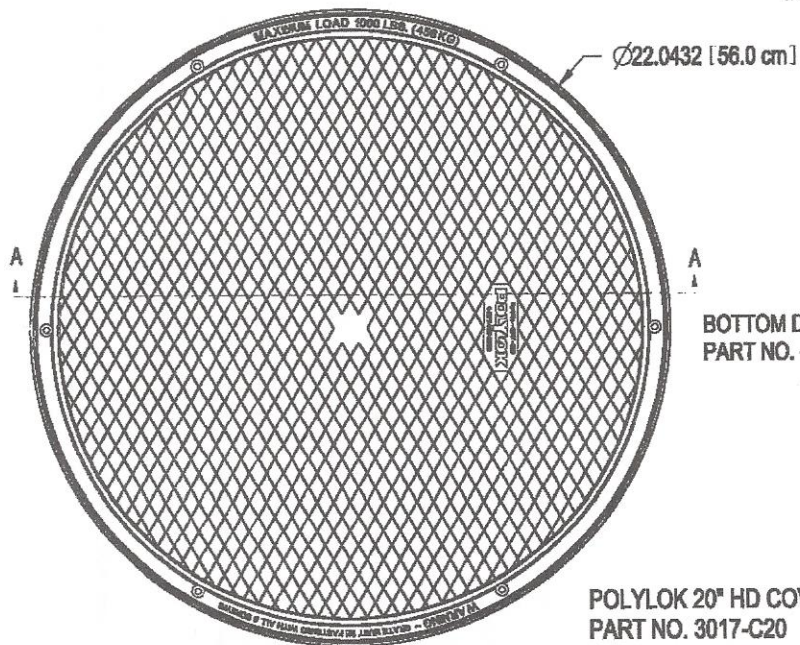
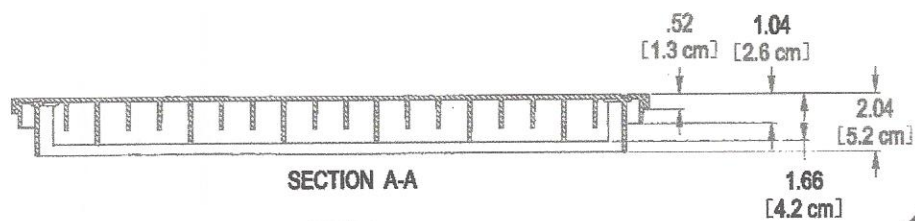


BOX ACCEPTS PART NO:  
 3009-RC  
 3017-C20  
 3017-G20  
 3009  
 3009-R12  
 3009-LPRP  
 3009-GR2

CUT OUTS FOR 4" PIPE (4 SIDES) FOR USE WITH PART # 3001

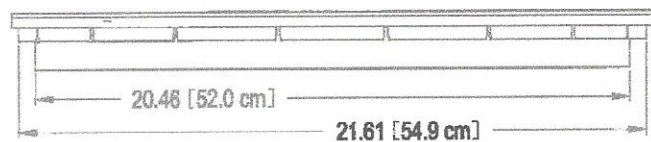
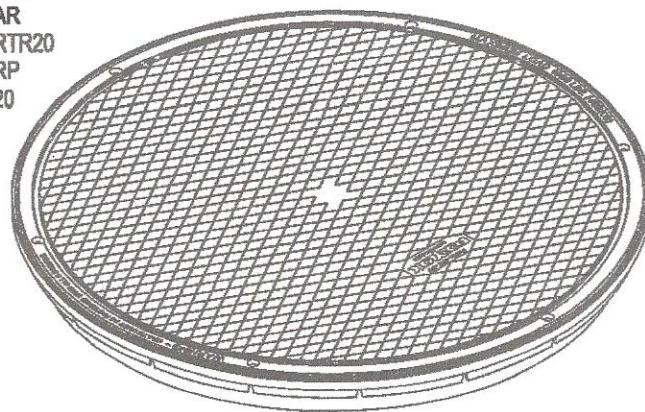
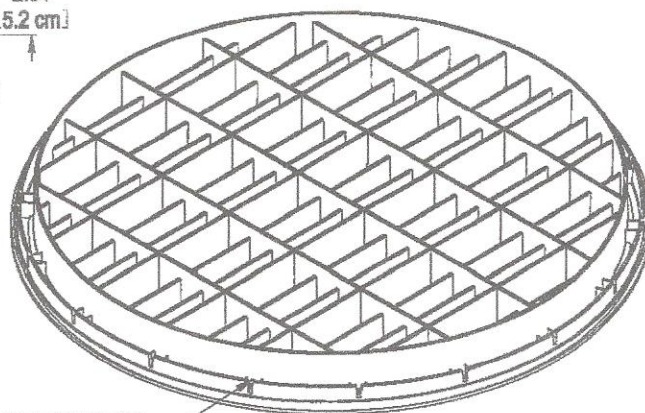


POLYLOK 20" LEVEL D-BOX  
 PART NO. 3017-206  
 MATERIAL - POLYPROPYLENE  
 COLOR - BLACK  
 CAPACITY - 15 GALLONS [56.78 LITERS]



BOTTOM DETAIL FITS POLYLOK  
PART NO. - 3009  
3009-R12  
3009-AR  
3000-RTR20  
3009-RP  
3017-20

POLYLOK 20" HD COVER  
PART NO. 3017-C20  
MATERIAL - HDPE  
COLOR - GREEN  
LOAD RATING - 1000 LBS.





10

951 South Meriden Road  
Cheshire CT 06410  
203 272-4470  
203 250-7723 (fax)

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# Polymold Labs.

May 10, 2004

Re: Testing of Polylok's new 20" All-In-One Distribution, Drain, Valve & Meter Box  
P/N 3017-20

To Whom It May Concern:

This Report documents the results of the testing performed on the new Polylok 20" All-In-One Distribution, Drain, Valve & Meter Box on May 10, 2004. It was tested using both a solid flat cover (P/N 3009-FC) and a grate (P/N 3017-G20) secured in place with 6- #10 SS screws. The testing was conducted at the Polymold Laboratory in Cheshire, CT.

The box and both the cover and grate are manufactured from High Density Poly Ethylene (HDPE). The HDPE also has a UV-8 Protection Package included which helps prevent the sun's ultra violet rays from weakening the material.

Each box was placed in a custom testing unit. Each box was subjected to a side loading. A deflection was noticed at 200 lbs. with a complete failure at 750 lbs.

Both cover and grate were then load tested. A 6" dia. disc was placed central on each cover and grate a load was applied on the center of the disc. A deflection of 1/2" was noticed at 1000 lbs. Products were then test up to 3000 lbs. A significant deflection was noticed but products did not suffer catastrophic failures.

Each cover and box were then tested using a 10 lbs. steel dart dropped from a height. The cover and box showed no signs of failure to a height of 5.5 ft.

I can attest that throughout all of the above testing the new Polylok 20" All-In-One Distribution, Drain, Valve, & Meter Box can meet a minimum of 1000 lbs.

The new Polylok 20" All-In-One Distribution, Drain, Valve, & Meter Box was also tested for failure. It required 2500 lbs of pressure before catastrophic failure.

Should you have any questions regarding this testing, please do not hesitate to contact my office.

Sincerely,

Charles L. Brix  
203-272-4470

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*Innovations in Technologies*

3-1





Innovations in Precast, Drainage  
& Wastewater Products

Zabel®  
A Division of Polylok Inc.

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email: sales@polylok.com

Web site: www.polylok.com

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RE: Polylok Testing Procedures for Load Testing Covers and Grates

To Whom It May Concern:

This report documents the procedure used to for load testing of Polylok grates and covers.

Product being tested is placed over a section of corresponding riser or pipe size. A 6" dia. X 1" thick steel disc is placed on the center of the product. This assembly is then place into a press. The press uses a 1.00 sq.in specially modified hydraulic cylinder. A 6000 lb. pressure gauge with a high limit indicator is used to record hydraulic pressure.

The testing starts out with a load applied to the center of the steel disc until a 1/2" deflection occurs on the product. The product is then held at this pressure for a period of 1 minute. This pressure is then increased until a 1" deflection on the product is measured. This pressure is recorded and is the maximum working load for this product (rated).

The pressure is then increased until a rib deformation takes place on the underside of the product. This pressure is recorded and is the maximum pressure before failure(tested)

Should you have any questions regarding this testing, please do not hesitate to contact my office.

Charles L. Brix  
Vice President of Design & Engineering  
Polylok Inc.  
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Wallingford, CT 06492  
Tel - 203-626-6123  
Fax - 203-284-3495

## Polylok Cover & Grate Ratings

Part No.	Product Name	Rated	Tested
3017-C	12" Cover	600 lbs	1,500 lbs
30174-GE	12" Grate	1,000 lbs	2,000 lbs
3007-HDC	18" HD Cover	1,000 lbs	3,000 lbs
3007-HDG	18" HD Grate	500 lbs	1,500 lbs
* 3009-RC	20" Dome Cover	500 lbs	2,500 lbs
* 3017-C20	20" Flat Cover	1,000 lbs	4,000 lbs
3017-G20	20" Grate	1,000 lbs	2,500 lbs
3008-RC	24" Dome Cover	500 lbs	2,500 lbs
3008-WEST	24" Flat Cover	1,000 lbs	3,500 lbs
3008-G24	24" Grate	1,500 lbs	4,000 lbs
3008-HD	24" HD Cover	1,500 lbs	5,000 lbs
3004-C	12" Corr. Cover	1,000 lbs	2,000 lbs
3004-GR	12" Corr. Grate	600 lbs	1,500 lbs
300415-C	15" Corr. Cover	1,000 lbs	2,000 lbs
300415-GR	15" Corr. Grate	600 lbs	1,500 lbs
3010-C30	30" Cover	1,500 lbs.	4,000 lbs.

Items in yellow fit the 24" Rhino Box

\*-Indicates covers that fit 20" D Boxes