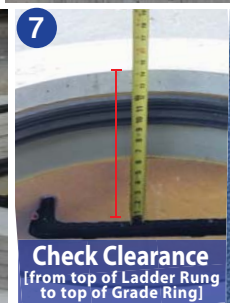
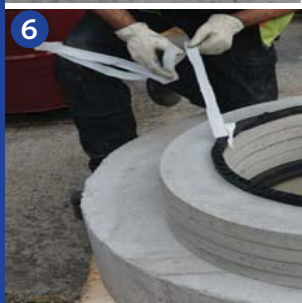
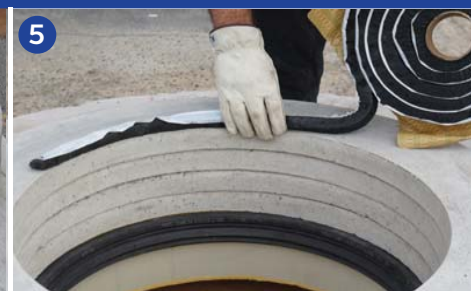
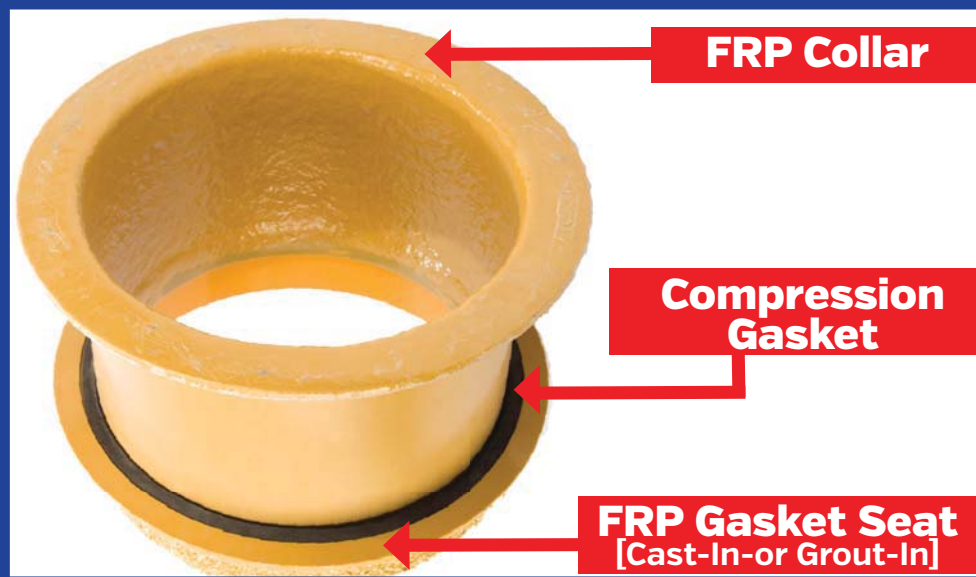


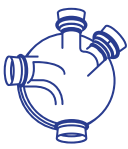


# TELESCOPIC ACCESS COLLAR

Infiltration and H<sub>2</sub>S Gas Resistant MH Grade Adjustment System

PRODUCT LITERATURE & SPECIFICATION





## DESCRIPTION

An adjustable Fiberglass Reinforced Plastic (FRP) liner for manhole grade adjustment rings which is re-sistant to the chemical environment normally found in wastewater transmission systems.

The telescopic collar provides protection for grade rings from corrosion and water infiltration for a fully lined concrete struc-ture. It allows vertical adjustment to suit the grade and chamber.



### FIBERGLASS REINFORCED PLASTIC (FRP) TELESCOPIC COLLAR WITH LIP SEAL GASKET

The telescopic access collar is a one piece rotationally molded FRP sleeve with a 2" (50mm) minimum sealing flange around the top edge. The inside diameter of the access opening and adjustable height are variable dimensions. The minimum thickness is 0.2 - 0.25" (5 - 6mm).

A Polypropylene or Polyethylene fabric backed transition welding strip can be provided to match wall liner material joint as required.

## MATERIALS

### Fiberglass Reinforced Plastic:

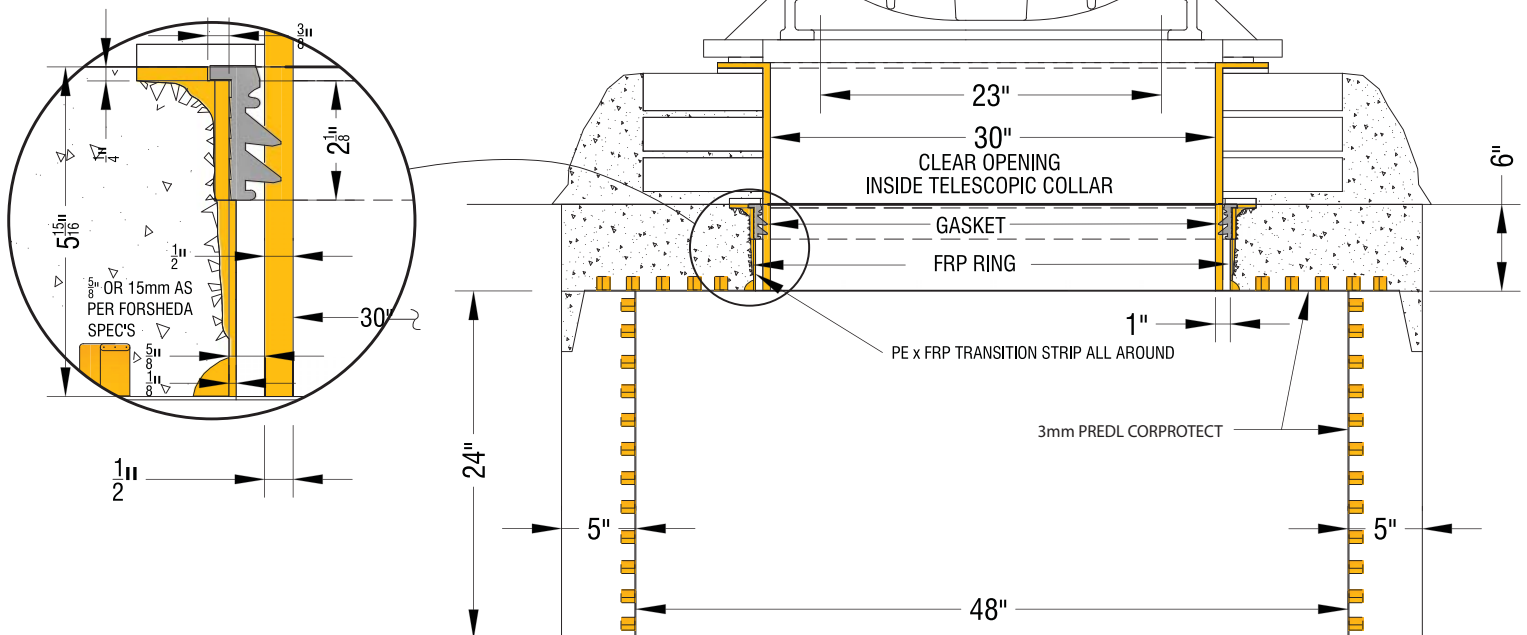
Grade suitable for potable water, chemical storage, and septic tanks

|                    |                        |
|--------------------|------------------------|
| Minimum thickness: | 0.2 - 0.25" (5 - 6mm)  |
| Hardness:          | 85 Shore D             |
| Density:           | 73 lb/ft3 (1.17 g/cm3) |
| Color:             | Dull mustard/goldenrod |

### Gasket:

Polyisoprene, unless otherwise specified

|           |                 |
|-----------|-----------------|
| Hardness: | 50 - 55 Shore A |
|-----------|-----------------|





## ADVANTAGES

- Rehab or New Construction [Precast or Cast In Place]
- No special construction techniques-Grade Rings are stacked on top of MH per typical municipal specification
- Adjusts to any Grade Ring Stack Height [2" to 18" or any other required height]
- Provide permanent Barrier between top of MH and underside of MH frame
- Compression Gasket Seal at top of MH Structure
- Infiltration and H<sub>2</sub>S Gas Resistant MH Grade Adjustment System
- Adjustable to match Final Grade [Flat or Sloped Ground]
- Flat Top Slab or Cone Installation
- 24"/27"/30"/36" ID MH Opening [or any other required size]
- Butyl Mastic Seal between FRP Collar and underside of Municipal Casting Frame

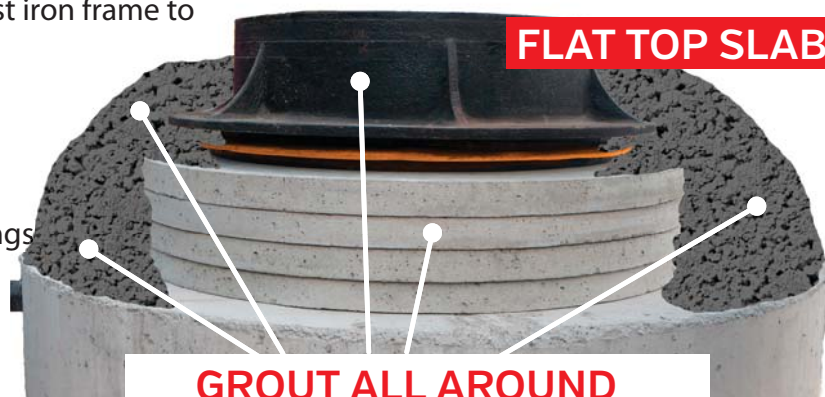
### ECCENTRIC CONE



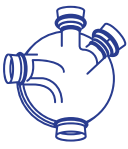
## FIELD ASSEMBLY AND INSPECTION

- 1) Install the precast manhole structure as prescribed by the manufacture and approved construction plans.
- 2) Inspect the precast flat slab top or cone for the correct access opening diameter and any damage or irregularities that could compromise the installation and seal of the telescopic access collar liner. Replace/repair as necessary. Grade rings must be in place prior to installation of the telescopic access collar. The grade rings that accommodate the telescopic access collar are of a variable dimension.
- 3) Set the grade rings into a full bed of non-shrink grout ensuring the space between each ring is completely filled. Clean any dirt and/or excess grout from the gasket mounting area.
- 4) Install the lip seal gasket with the upper lip placed evenly around the top interior edge of the access opening.
- 5) Insert the telescopic access collar through the gasket/access opening and press the collar downwards to conform to the sub-grade or pavement surface as per drawings or as directed by the engineer to provide accurate cast iron frame alignment. The annular space between the telescopic access collar and grade rings must also be filled with grout leaving no voids.
- 6) Install the cast iron frame into a bed of approved preformed flexible butyl joint sealant applied to the top of the sealing flange on the telescopic access collar. It is recommended to use a butyl joint sealant 0.375 - 1" (10 - 25mm) thick and 1 - 3" (25 - 75mm) wide and apply it as per the manufacturer's instructions. Thick-er butyl sealant strips will prevent accurate alignment of the telescopic access collar and cast iron frame to the correct grade.
- 7) Anchor the cast iron frame as prescribed by the utility specification or engineer.
- 8) After installation, there must not be any holes or openings in the telescopic access collar or exposed grout on any inside surface of the liner or cast iron frame ring joint.

### FLAT TOP SLAB

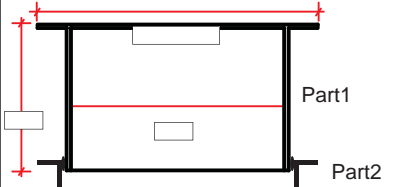


### GROUT ALL AROUND



## TAKE-OFF TICKET

Precaster:  PO#:   
 Project:  PREDL JOB#:   
 Contractor:   
 Manhole #:



Produced in Canada

### WARRANTY

Liability is not to exceed the replacement cost of the Predl Liner. Each Liner must be inspected on receipt. Any non-conformance must be reported to Predl prior to pouring the base.

7520 CONRAD STREET BURNABY, BC V5A 2H7  
TEL: +1 855-773-3562

Sheet #:

Order Date:

Delivery Requested Date:

Notes:

Method/Company of Shipping:

#### Build Approval\*:

Name:  Signature\*\*:  Date:

\* PREDL systems requires customer sign off prior to production. Standard lead time is 4 weeks from date of receipt of signed document. Lead times can be shortened at extra charge

\*\* By signing on this sheet, you confirm reviewing the above configuration to your request and accordingly you give the permission for PREDL system to build the product to the above configuration and as per PREDL terms and conditions document.

### TELESCOPIC ACCESS COLLAR



## DIMENSIONAL DATA\*

|               |                |                 |
|---------------|----------------|-----------------|
| Clean Opening | 24"<br>[600mm] | 30"<br>[750MM]  |
| Height        | 16"<br>[400mm] | 16"<br>[400mm]  |
| Turn Back     | 27"<br>[700mm] | 39"<br>[1000mm] |

\*Custom sizes available

## PRODUCT REFERENCES

### ASTM C-1244

Standard Test Method for  
Concrete Sewer Manholes by  
Negative Air Pressure (Vacuum) Test

### ASTM C-478

Standard Specification for  
Precast Reinforced Concrete Manhole Sections

## CONCENTRIC CONE

## BOLT DOWN for SEALED LID SET

