Cretex PRO-RING™

MANHOLE GRADE ADJUSTMENT SYSTEM

Faster, Safer and More Cost Effective

25 year WARRANTY

Why Have This?

PRO-RING™ is the worlds first and only manhole grade adjustment system made from Expanded Polypropylene (EPP), the same engineered polymer material that has been used in the automotive industry since the 1980's.

This high strength, lightweight plastic is the ideal material to replace traditional construction methods which use concrete, mortar and other masonry materials to raise manhole frames to their final elevation. These masonry materials deteriorate rapidly over time due to the runoff of road salts, freeze-thaw, sewer gases and from continuous traffic impacts.

When You Can Have This?

TRAFFIC RATED

Approved by DOT's and Sewer Agencies throughout the U.S. and Canada

Ideal Material

ARPRO® Expanded Polypropylene (EPP) has been used for challenging automotive applications and is renowned for its exceptional strength-to-weight ratio, its stability and toughness. EPP is not only durable, it has excellent chemical resistance and a long service life under the harshest conditions.

Faster

People are amazed at our demonstrations, when one person can install an entire PRO-RING™ system in just minutes. The adjustment system is easy to assemble, watertight, and can be installed to within one quarter inch of the desired elevation.

Safer

Concrete grade rings are heavy and may cause injury during handling and installation. The PRO-RING™ system reduces the risk of injury, lost time and comp claims. At 7.5 pcf density, a single 36”X24”X6” PRO-RING™ weighs just 14 pounds and is easy to handle and install by a single worker. The ability to hand carry these adjustment rings into back yards, easements and remote locations, makes the overall process safer and less disruptive.

Cost Effective

The PRO-RING™ system dramatically reduces the time and equipment required to construct or reconstruct a single manhole adjustment. Manhole repair sites can be opened and closed in a single day or in a few hours depending on pavement type and site conditions. This results in significant savings and minimizes the impact on traffic when it is necessary to close traffic lanes or streets to complete the work. The PRO-RING™ system is installed and assembled using a polyether based adhesive/sealant which is applied using a caulk dispenser. This adhesive/ sealant material has proven to be effective at sealing and bonding the rings to the manhole cone and to each other. The use of the PRO-RING™ system may result in as much as a **20% to 30% Overall Savings** when considering the expected **50 Year Design Life**. The PRO-RING™ system is also backed by an industry leading **25 Year Material Warranty**.

Tested to meet or exceed the following standards:

- **AASHTO M306**
  - **HS-20 & HS-25 Load**
- **ASTM C1244**
- **ASTM C969**
- **ASTM D4819-13**
- **SAE J1885**

Cretex PRO-RING™

A Permanent Repair Method for Manholes & Catch Basins

ROUND RINGS 36" O.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
36-24F-075	FINISH	3/4"
36-24F-100	FINISH	1"
36-24F-125	FINISH	1-1/4"
36-24F-150	FINISH	1-1/2"
36-24F-175	FINISH	1-3/4"
36-24F-200	FINISH	2"
36-24F-225	FINISH	2-1/4"
36-24F-250	FINISH	2-1/2"
36-24A-100	ANGLE	3/4" TO 1-3/4"
36-24G-200	GRADE	2"
36-24G-400	GRADE	4"
36-24G-600	GRADE	6"
36-24G-400F	GRADE FLAT	4"
36-24G-600F	GRADE FLAT	6"

ROUND RINGS 40" O.D. X 27" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
40-27F-075	FINISH	3/4"
40-27F-100	FINISH	1"
40-27F-125	FINISH	1-1/4"
40-27F-150	FINISH	1-1/2"
40-27F-175	FINISH	1-3/4"
40-27F-200	FINISH	2"
40-27F-225	FINISH	2-1/4"
40-27F-250	FINISH	2-1/2"
40-27A-100	ANGLE	3/4" TO 1-3/4"
40-27G-200	GRADE	2"
40-27G-400	GRADE	4"
40-27G-600	GRADE	6"
40-27G-200F	GRADE FLAT	2"
40-27G-400F	GRADE FLAT	4"
40-27G-600F	GRADE FLAT	6"

ROUND RINGS 40" O.D. X 31" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
40-31G-075F	GRADE FLAT	3/4"
40-31G-100F	GRADE FLAT	1"
40-31G-125F	GRADE FLAT	1-1/4"
40-31G-150F	GRADE FLAT	1-1/2"
40-31G-200F	GRADE FLAT	2"
40-31A-100	ANGLE	3/4" TO 1-3/4"
40-31G-400F	GRADE FLAT	4"
40-31G-600F	GRADE FLAT	6"

SQUARE RINGS 24" I.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
SQ 24-24-075	FLAT	3/4"
SQ 24-24-100	FLAT	1"
SQ 24-24-125	FLAT	1-1/4"
SQ 24-24-150	FLAT	1-1/2"
SQ 24-24-200	FLAT	2"
SQ 24-24-300	FLAT	3"
SQ 24-24-400	FLAT	4"
SQ 24-24A1-2	ANGLE	1" TO 2"

RECTANGULAR RINGS 36" I.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
RT 36-24-075	FLAT	3/4"
RT 36-24-100	FLAT	1"
RT 36-24-125	FLAT	1-1/4"
RT 36-24-150	FLAT	1-1/2"
RT 36-24-200	FLAT	2"
RT 36-24-300	FLAT	3"
RT 36-24-400	FLAT	4"
RT 36-24A1-2	ANGLE	1" TO 2"

SQUARE RINGS 30" I.D. X 30" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
SQ 30-30-075	FLAT	3/4"
SQ 30-30-100	FLAT	1"
SQ 30-30-125	FLAT	1-1/4"
SQ 30-30-150	FLAT	1-1/2"
SQ 30-30-200	FLAT	2"
SQ 30-30-300	FLAT	3"
SQ 30-30-400	FLAT	4"
SQ 30-30A1-2	ANGLE	1" TO 2"

RECTANGULAR RINGS 30" I.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
RT 30-24-075	FLAT	3/4"
RT 30-24-100	FLAT	1"
RT 30-24-125	FLAT	1-1/4"
RT 30-24-150	FLAT	1-1/2"
RT 30-24-200	FLAT	2"
RT 30-24-300	FLAT	3"
RT 30-24-400	FLAT	4"
RT 30-24A1-2L	ANGLE	1" TO 2"
RT 30-24A1-2S	ANGLE	1" TO 2"

Cretex PRO-RING

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Before & After

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