HOW PRO-RINGS ARE CHEAPER THAN CONCRETE GRADE RINGS:

Savings scale: $-Minor Savings. $$-Moderate Savings. $$$-Major Savings.

FACT: I It is made from expanded polypropylene (EPP), a high-strength, energy-absorbing plastic.
- Faster Lighter Safer. $$$ (see our calculator on the website)
- Corrosion resistant. Concrete rings crumble & disintegrate quickly. Only last 5-25 years. maintenance. $$

FACT: Meets or exceeds AASHTO HS-25 load requirements.
- Meets or exceeds for 100 years vs concrete that typically last 5-25 years. $$
- Cost savings: 1 PR vs 4-10 concrete rings removed and replaced over 100 years. $$
- Can withstand millions of impacts. See our case study on the website. $

FACT: Meets or exceeds the requirements of ASTM C1244 (vacuum test)
- PR is sealed tight for 100 years. $$$
- Cost savings: Concrete uses gaskets or mortar that can degrade which increases WWTP cost. $$$

FACT: Meets or exceeds the requirements of ASTM C969 (exfiltration infiltration test)
- PR will not leak. $
- Cost savings: Concrete eventually allows liquid in or out due to cracking, poor manufacturing & deterioration. $$

FACT: Is approximately 1/20th the weight of concrete grade rings, making it very easy to handle and install.
- Fewer workers comp claims $$$
- Heavy handling equipment not needed $$
- Lower shipping cost $
- Shorter road closure time $

FACT: Minimizes the risk of injury due to its lightweight.
- Fewer workers comp claims $$$
- Fewer worker replacement hours $$
- Better worker morale

FACT: Its does not require any special or heavy equipment for handling, installation, or shipping.
- Lower cost of total cost equipment purchases, storage, repair and maintenance. $

FACT: Will not fracture during transportation or be damaged if dropped.
- 10-20% of CR show up broken or cracked getting moved to job site. $

FACT: Allows adjustments to within ¼" of desired final elevation without the use of mortar or shims of any type.
- PR Saves time materials and eliminates issues with mortar and shims (see above) $

FACT: It has no stacking height limitations.
- PR reduces additional construction costs vs concrete to achieve more vertical height $

FACT: Is available in a variety of thicknesses from ¾" to 6" as well as tapered rings.
- PR eliminates the need for shims and manual onsite adjustments and reconstruction.
- Extremely versatile for job site adjustment to miscalculations or unforeseen challenges.

FACT: It has a 100-year design life and is backed by a 25-year material warranty. $$$

FACT: Reduces road closure time and traffic congestion. Reduces pollution, accidents and driver inconvenience. $

FACT: WWTP savings due to reducing infiltration during storms and snow melts. $$

FACT: Utility & taxpayer cost savings over time. $$$