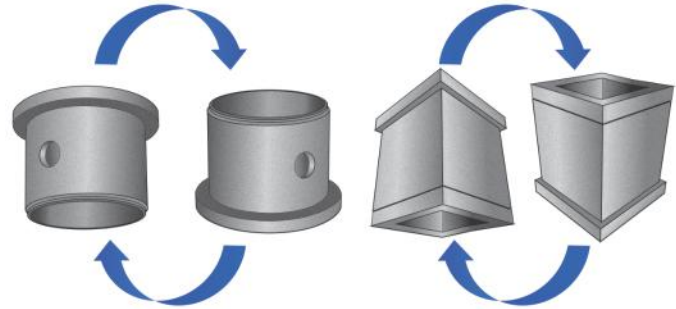




SmartRoll™ Form Controller Device

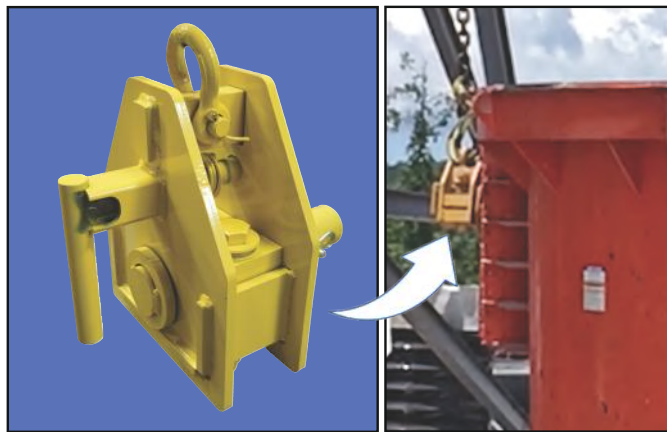
Monolithic precast structures, like manhole bases, catch basins and utility boxes, where the product walls and bases are cast together, create excellent product stability and durability but also come with a few production challenges. Namely, because the product is typically produced upside down and then rotated, the roll-over process can produce dangerous, uncontrollable swinging of the form. This violent swinging can become a major safety hazard, contribute to product and/or equipment damage and also slow down production as it may take several minutes for the product to come to a rest.



Monolithic precast structures must be rotated during production.

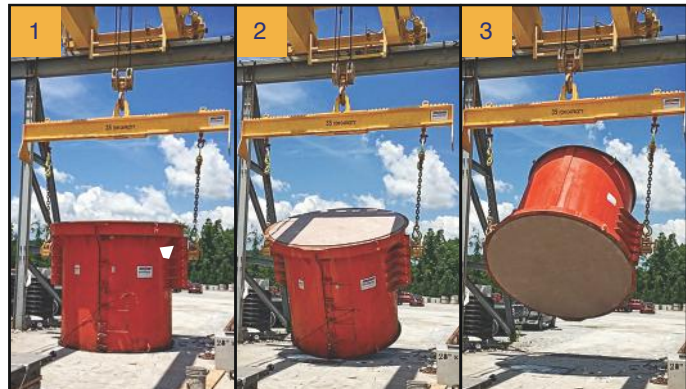
Introducing SmartRoll™ an Intelligent Safety Brake for Controlled Form Roll-Overs

With SmartRoll, you control the roll-over process. Unlike traditional manual methods that utilize form trunnions and crane/hoists to flip the product, sometimes relying on sand piles or similar materials to cushion the roll-over, Afinitas offers an innovative, simple-to-use friction brake system to reduce roll-over speed and momentum. With swinging motions nearly eliminated, operations can be performed faster with fewer safety risks.

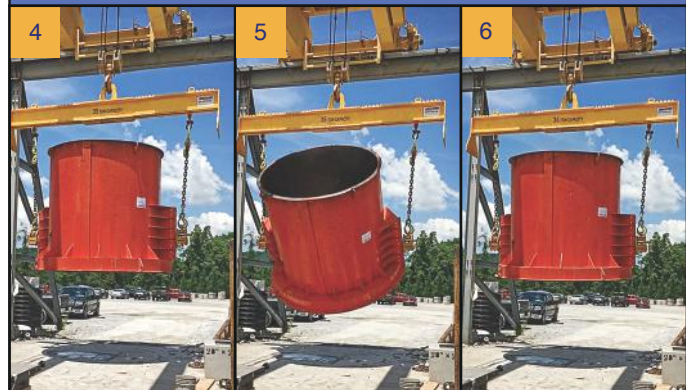


A SmartRoll brake controller can reduce swinging motion up to 90%.

Here's How It Works



SmartRoll's design makes it simple to apply the right amount of torque to slow the roll-over.





Why SmartRoll™?

Reduce the Risk from Form Roll-Overs

Why put your employees or equipment in harm's way? Our adjustable, friction brake controller is designed to safely reduce the speed of form roll-overs before they become a hazard to employees, form equipment or your production schedule.

Built for Ultimate Control

We engineered our controllers with the operator in mind. They are uniquely outfitted with special replaceable urethane inserts that have a high load-bearing capacity making it easy to apply the exact amount of torque required to produce a very consistent and controlled roll-over.

Limit Wear and Save Money

Eliminating the forces of violent roll-overs greatly reduces the stress on your crane equipment and helps prevent damage to your forms saving on repair and replacement costs. Furthermore, our replaceable urethane insert lessens steel-on-steel contact and helps avoid more expensive replacements of trunnion shafts.

In-Stock Selection

We stock the three sizes listed below and their replacement parts.

Stocked Sizes	Small Controller Part # 1000-699	Large Controller Part # 1000-700	XL Controller Part # PD-HD-0693
Capacity Each	13,000 lbs.	34,000 lbs.	50,000 lbs.
Capacity Set	26,000 lbs.	68,000 lbs.	100,000 lbs.
Target Size	Manhole bases 48-72" dia.	Manhole bases 84-96" dia.	Manhole bases 102-144" dia.
Target Weight	Product and equipment weighing less than the 13 ton capacity of Small Controllers.	Product and equipment weighing less than the 34 ton capacity of the Large Controllers.	Product and equipment weighing less than the 50 ton capacity of XL Controllers.

To learn more about our SmartRoll™ Form Controller Roll-Over Devices, contact your local Afinitas Forming Systems sales representative.

Watch our video



Take control of the form roll-over process and decrease safety risks, costs, and production time.



IMPORTANT: Always consider the dangers when lifting and rolling over product and equipment. Always inspect any lifting device for wear. Afinitas provides a detailed guide to performing safe roll-overs with our controller equipment.