

COMPARE

POLYCAST® **Installation Chair VS. Competitors A & B** **(Patent #4,878,782)**

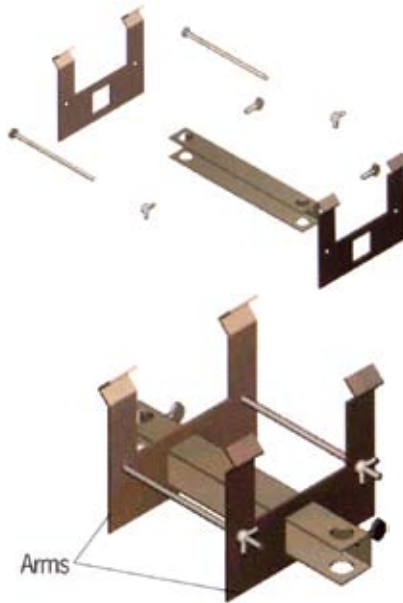
POLYCAST® **Installation Chair**



- Rapid, accurate installation
- Aligns channels
- Sets elevation
- Tightens joint
- Reduces leakage during concrete placement
- Prevents channels from floating during concreting

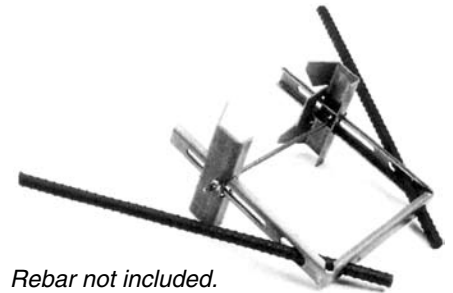
The POLYCAST® Installation Chair is the most efficient and economical means of setting a precast trench system. The installation chair supports the ends of the channels, aligns and locks the joint rigidly together and prevents the channels from floating. Adjusting channel elevation is easy with the POLYCAST® Installation Chair.

Competitor "A"



- Competitor A's installation aid utilizes nine components that require assembly. Installation rates depend on the speed at which the installation aid is assembled.
- Driving deformed rebar stakes through the pockets of the chair is difficult, especially when the stakes hit rock and get thrown out of plumb.
- Concrete must be placed in two or more lifts.
- Thumb screws are difficult to tighten adequately and tend to loosen during vibration.
- Clamping jaws cannot be engaged one channel at a time, so chairs must be set first and then the channels must be placed. This promotes dislocation of the chairs and requires two workers to horse the channels while working in tight trench excavations.

Competitor "B"



Rebar not included.

- Competitor B's installation aid utilizes four components that require assembly. Installation rates depend on the speed at which the installation aid is assembled.
- Driving deformed rebar stakes through the pockets of the chair is difficult, especially when the stakes hit rock and get thrown out of plumb.
- Concrete must be placed in two or more lifts.
- Channels must be installed two at a time. Chair assembly is completed as both channels are installed. Final chair assembly must be completed by feel because components are hidden from view by the channels. This system does not prevent channels from floating during concrete pour.
- The manufacturer's recommendation is to assemble the entire run upside down outside the excavation and install the chairs. Then, GENTLY roll the assembled channels into the excavation.

COMPARE**POLYCAST®
Installation Chair****VS. Competitor "A"****Competitor "B"**

INSTALLATION RATE	60-90 feet per hour for a two-man crew are possible.	Installation rate depends on speed of assembly of chair.	Approximately 24 feet per hour for two man crew.
INSTALLATION COST	\$1.90 per foot based on a rate of 75 feet per hour and labor rate of \$20 per person.	Higher cost due to chair assembly time.	Slower installations means higher cost.
CHAIR ASSEMBLY	None required.	Nine-piece assembly required.	Usually four-piece assembly required.
ALIGNMENT	Cone-shaped dimples in channel to ensure proper chair placement every time.	Inconsistent placement on ribs of channel possible.	Design of system is prone to "snaking" at joints during concreting.
SINGLE LIFT POUR	Yes	No	No
INFINITELY ADJUSTABLE	Yes	Yes	No
MATERIAL COST	One chair per channel. One chair every four feet means less material for job site.	One chair every 3.28 feet (1 meter) means more material for job site.	One chair every 3.28 feet (1 meter) means more material for job site.
TIGHTENS AND ALIGNS CHANNEL JOINTS	Yes	No	No

THE CHOICE! POLYCAST® INSTALLATION CHAIR!**LENOIR CITY, INC.**

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