

SOLID EMBEDMENT STRUT FOR PRECAST CONCRETE UTILITY VAULTS

nox-crete®

chemical solutions to concrete problems

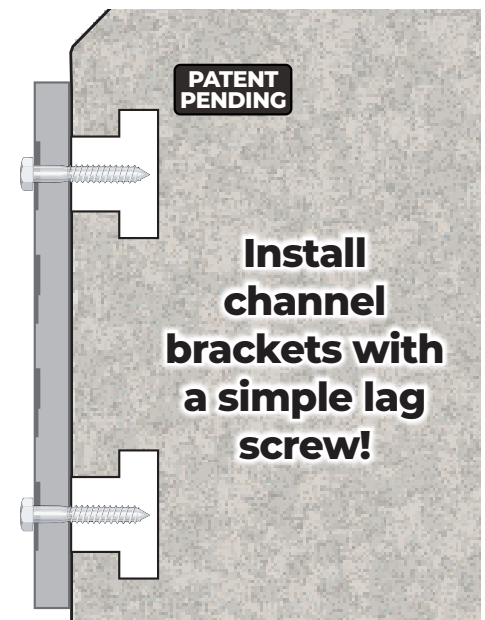
Nox-Strut™

STRONG | SAFE | RELIABLE

Save Time & Money with Nox-Strut by Nox-Crete!

A Solid Strut Designed to Replace Traditional
Channel Systems in Utility Vaults

- Reduces time and labor in the plant and in the field
- Up to 80% reduced weight from traditional embed channel
- Eliminates capping and taping, or foam filling traditional channel
- Eliminates chipping out traditional embed channel
- Same dimensions of similar channel struts
- Custom cut lengths, up to 8'
- Easily install racking with lag screws
- Eliminates spring nut & bolt
- Will not expand & contract, twist, warp or rot
- Non-conductive material
- Easy install prior to pour
- No callbacks



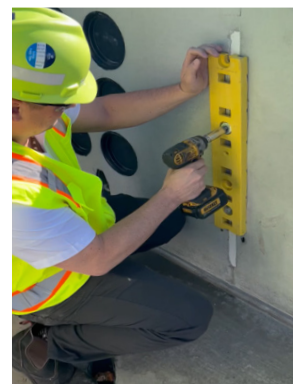
No Prep Required



Easy to Install



No Cleaning After Strip

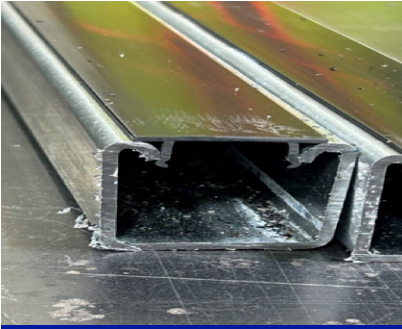


Lag Screw Installation



Place Racking & Done!

The Problem



Safety

Sharp edges and need for deburring

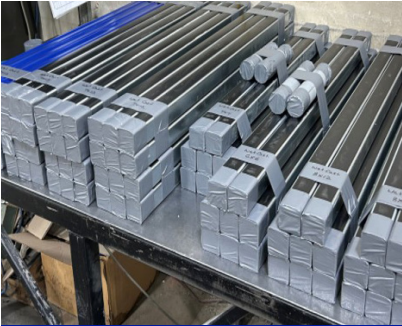
The Solution



Nox-Strut

Easily cut-to-size without sharp edges and reduced weight

The Problem



Taping & Capping

Labor time required for taping and capping

The Solution



Nox-Strut

Option for delivery of ready-to-use custom pre-cut sizes

The Problem



Cap Disposal

Need for cap removal and disposal

The Solution



Nox-Strut

No disposal with the Nox-Strut one-piece solution

Test Data

Material Thickness	Lag Screw Diameter	Lag Screw Length ⁵	Max Load Test (Tension) ^{1,2}	Max Load Test (Shear in horizontal position) ^{1,2}	Max Load Test (Shear in vertical position) ^{1,2}	Edge Distance (Shear) ^{3,4}
In.	In.	In.	Lbs.	Lbs.	Lbs.	In.
15/16	1/2	1 1/2	950	900	900	6
1 1/2	1/2	2	1300	1500	1500	6

¹ All load testing based on single fastener

² Based on 4000 PSI concrete compression strength

³ Minimum edge distance apply to 2 sides only

⁴ Minimum fastener spacing = edge distance

⁵ ~1/2 in. left for racking/washer. No Penetration into concrete

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Interested in learning more?

Contact the
Precast Team at
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1-800-669-2738.

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