

Heavy-Duty Direct Bury LPR Break-Away by **StrongPoles**

Product Overview

The StrongPoles Breakaway Pole is engineered for roadway and security applications where safety and reliability are critical. Built from 4"x4" extruded aluminum square tubing and 3" round 6061 Alloy material. This pole combines lightweight strength with a precision-designed breakaway base system.

At 6 inches above ground, the shaft transitions into a breakaway mechanism that allows the pole to shear safely upon impact — protecting both vehicles and occupants while meeting FHWA / AASHTO / DOT breakaway requirements.

Key Features

- **Square 4"x4" Aluminum Buried Shaft** – Lightweight, rigid, and corrosion-resistant for long-term durability.
- **Breakaway Design** – Safety system shears cleanly at 6 inches above ground upon impact.
- **Compliant Engineering** – Designed to meet roadway safety and breakaway performance standards.
- **Versatile Applications** – Ideal for mounting security cameras, small solar systems, roadway signage, lighting, or monitoring equipment.
- **Maintenance-Free** – Aluminum construction eliminates rust and minimizes upkeep.

Technical Specifications.

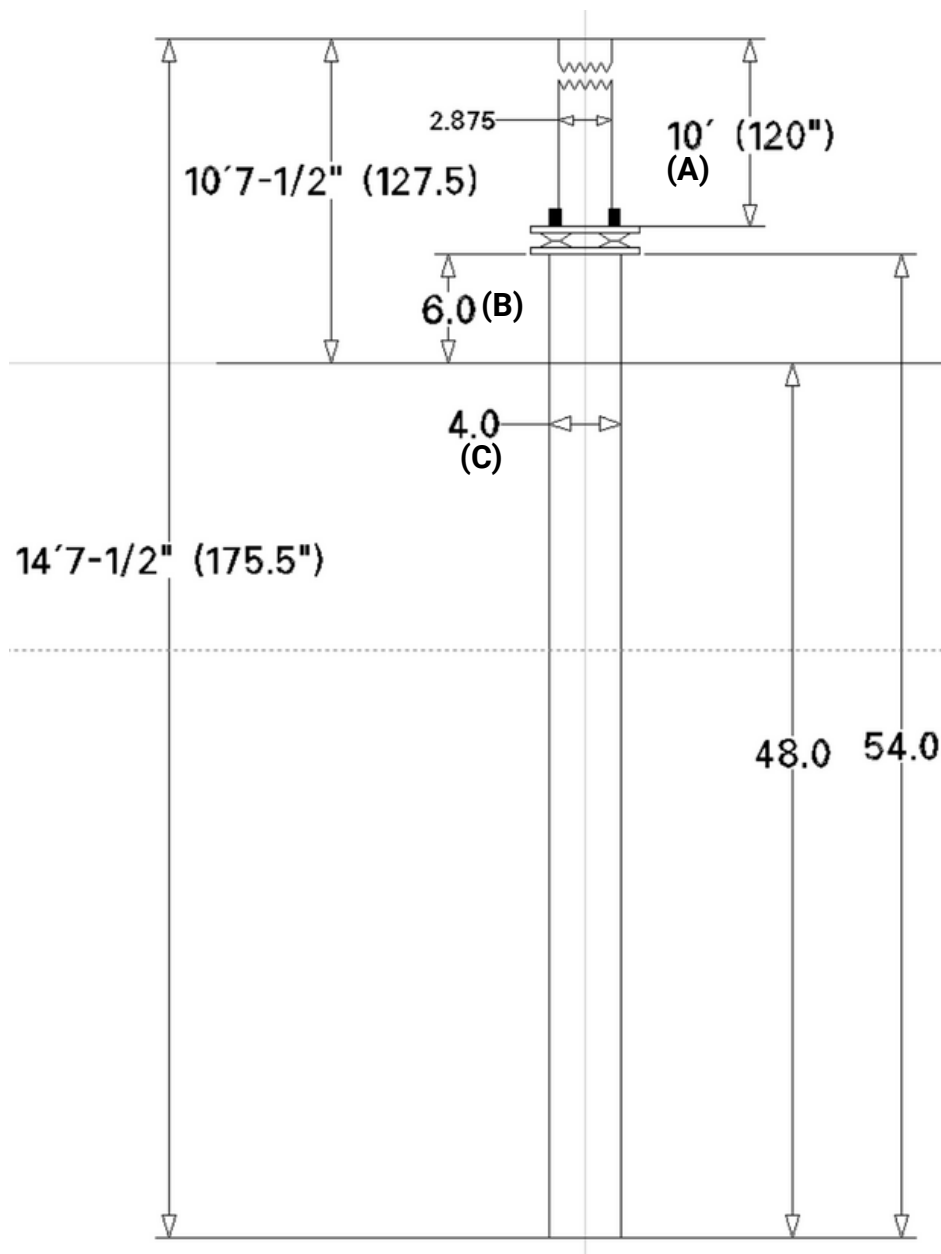
- **Buried Portion** 4" x 4" square 6005A high strength extruded aluminum alloy.
- **Top Portion:** Ultra rigid 3" round 6061 Aluminum pole (2 $\frac{7}{8}$ " OD - .203 Wall Thickness).
- **Above-Ground Breakaway Transition:** 6 inches.
- **Base Type:** Breakaway.
- **Finish:** Powder-coated in Black.
- **Applications:** Security camera poles, small solar systems, lighting poles, DOT-approved signage, roadway safety structures.



Proprietary Information Notice – Strongpoles

The following materials, including but not limited to engineering designs, technical specifications, manufacturing processes, marketing content, and operational workflows, are considered proprietary and confidential property of Strongpoles Inc.. These assets are protected under applicable intellectual property laws and internal policy frameworks. Unauthorized use, replication, or disclosure of this information is strictly prohibited. Scope of Protected Information Includes: Pole architecture and mounting configurations, Custom hardware details and installation specs, Vendor pricing, distribution strategies, and customer data, Brand creative, campaign concepts, and internal documentation. Access Restrictions: Proprietary information is shared on a need-to-know basis only. All recipients are required to: Maintain confidentiality at all times. Use provided information solely for authorized Strongpoles-related tasks. Immediately report any suspected disclosure or breach. Legal Notice: Violation of this policy may result in disciplinary action, termination of partnership, or legal remedy under IP and trade secret law. Strongpoles reserves the right to pursue damages or injunctive relief where misuse is identified.

Break-Away by StrongPoles



THIS PRINT IS SOLE PROPERTY OF STRONG POLES LLC
ANY REPRODUCTION IS STRICTLY FORBIDDEN

STRONGPOLES

NAME:	DATE:
BREAK AWAY ASSEMBLY	9/2/2025
ASSEMBLY:	DRAWING:
FULL ASSEMBLY	-001

DESCRIPTION:
14.5 FT DIRECT BURY BREAK AWAY POLE

MATERIAL: 2.875 O.D. X 2.469 I.D. 4X4 SQUARE POLE	DRAWN BY: A.B. CARTER
--	---------------------------------

NOTES:
BREAKAWAY PLATES MADE FROM 3/8 BAR STOCK
BURY LINE IS 6" BELOW BOTTOM PLATE
TOP OF DIRECT BURY TO BE THREADED 5/8-11

PARTS TO BE FREE OF BURRS AND SHARP EDGES
PRIOR TO FINAL INSPECTION
ALL EXTERNAL DIMENSIONS +/- .06
HOLE DIMENSIONS +.02/- .005

Bury Depth	Total Pole Length	Pole Top Height (A)	Above Ground Height (B)	Pole Size (C)
48"	14.5'	10'	6"	4"



Proprietary Information Notice – Strongpoles

The following materials, including but not limited to engineering designs, technical specifications, manufacturing processes, marketing content, and operational workflows, are considered proprietary and confidential property of Strongpoles Inc.. These assets are protected under applicable intellectual property laws and internal policy frameworks. Unauthorized use, replication, or disclosure of this information is strictly prohibited. Scope of Protected Information Includes: Pole architecture and mounting configurations, Custom hardware details and installation specs, Vendor pricing, distribution strategies, and customer data, Brand creative, campaign concepts, and internal documentation. Access Restrictions: Proprietary information is shared on a need-to-know basis only. All recipients are required to: Maintain confidentiality at all times. Use provided information solely for authorized Strongpoles-related tasks. Immediately report any suspected disclosure or breach. Legal Notice: Violation of this policy may result in disciplinary action, termination of partnership, or legal remedy under IP and trade secret law. Strongpoles reserves the right to pursue damages or injunctive relief where misuse is identified.