

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 3 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 3 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

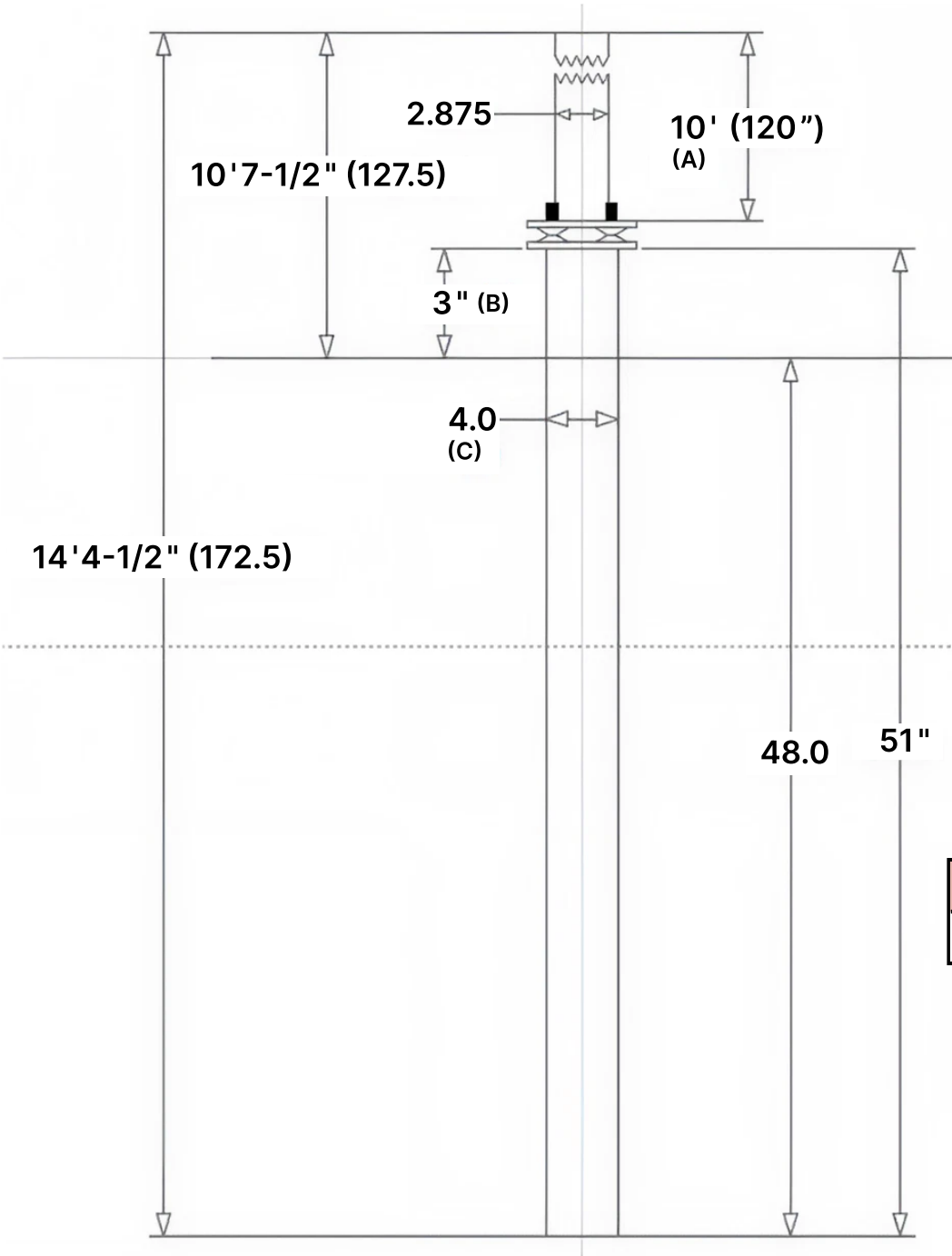
- Buried Portion 4" x 4" square 6005A high strength extruded aluminum alloy
- Top Portion: Ultra rigid 3" round 6061 Aluminum pole (2 $\frac{7}{8}$ " OD - .203 Wall Thickness)
- Above-Ground Breakaway Transition: 3 inches
- Base Type: Breakaway
- Finish: Powder-coated in Black
- Applications: Security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



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Break-Away by StrongPoles



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STRONGPOLES

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

DESCRIPTION:

14.5 FT DIRECT BURY BREAK AWAY POLE

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

NOTES:

BREAKAWAY PLATES MADE FROM 3/8 BAR STOCK
BURY LINE IS 3" 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'	3"	4"



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