

# Portable Fall Arrest Anchor Post

Model: DH-AP-1/



## Description

The Miller DuraHoist Portable Fall Arrest Anchor Post provides three independent swiveling connecting points for fall arrest anchorage. Increased height over previous models more than doubles the protection area around the post. Three-section and telescoping design is manufactured from lightweight aluminum and collapses to only 33in (838mm) for transport and storage. Durable powder coat finish with zinc-plated steel components for long corrosion resistance. Adjustable to compensate for up to 15° of mounting surface incline.

## Materials

<b>General Construction:</b>	Welded Steel/Aluminum
<b>Weld Certification:</b>	AWS
<b>Material (aluminum):</b>	6061-T6 Aluminum
<b>Material (steel):</b>	H.R. Steel Plate
<b>Material (plastic):</b>	Sch. 40 Pipe
<b>Finish (aluminum):</b>	Powder Coat
<b>Finish (steel):</b>	CS-500 Zinc Plated
<b>Swivel Ring Bushing:</b>	PVC Pipe, ASTM-D-1785
<b>Hardware:</b>	Gr.5, Gr.8 –Zinc Plated
<b>Plating Specification:</b>	ASTM Designation B633-85, Type II, SC2, CS-500 Lechant/Sealant Process



## Technical

<b>Working Load</b>	
<b>Fall Arrest:</b>	3 Workers using 900lb MAF Shock Absorbers
<b>Safety Factor:</b>	Minimum 2:1
<b>Material Handling (w/ model DH-AP-3)</b>	
<b>Davit Arm):</b>	310lbs (141kg)
<b>Safety Factor:</b>	10:1
<b>Rescue:</b>	310lbs (141kg)
<b>Safety Factor:</b>	10:1
<b>Proof Load:</b>	4200lb (18.7kN) Pulled from 72" (1828.8mm) from post centerline (53° to vertical)
<b>Proof Load Moment:</b>	190,000 in-lbs (21.5 kN-m)
<b>Horizontal Lifeline Anchor Point Proof Load:</b>	See Page 2
<b>Proof Test:</b>	AWS
<b>Weight:</b>	38lbs (17.2kg)

## Application

### Restrictions

1. A maximum of three workers may be connected to the anchor post at any one time. Use of various accessories may reduce the number of workers that may be anchored. Consult product specification sheets for all components of any system and be aware of any restrictions before using the equipment.
2. The Portable Fall Arrest Anchor Post must be in vertical position at any time it is being used as a fall arrest anchor post.
3. The installed anchor post assembly must be 72" (1830mm) or less from any edge where a fall may occur.
4. Retractable devices and shock absorbers must have a maximum arresting force (M.A.F) of 900lbs (4kN) or less and must be installed and used in accordance with manufacturer's instructions.
5. The Portable Fall Arrest mast must only be used with accessories supplied or approved by Miller
6. Horizontal Lifelines must be installed using the chart on page 2 giving due consideration to strength limitations at various positions.
7. The Anchor Post must be used with a tie back in horizontal lifeline applications at any extended height. Failure to follow this instruction may result in serious injury or death.
8. Each installation must be approved to local standards by a qualified engineer.

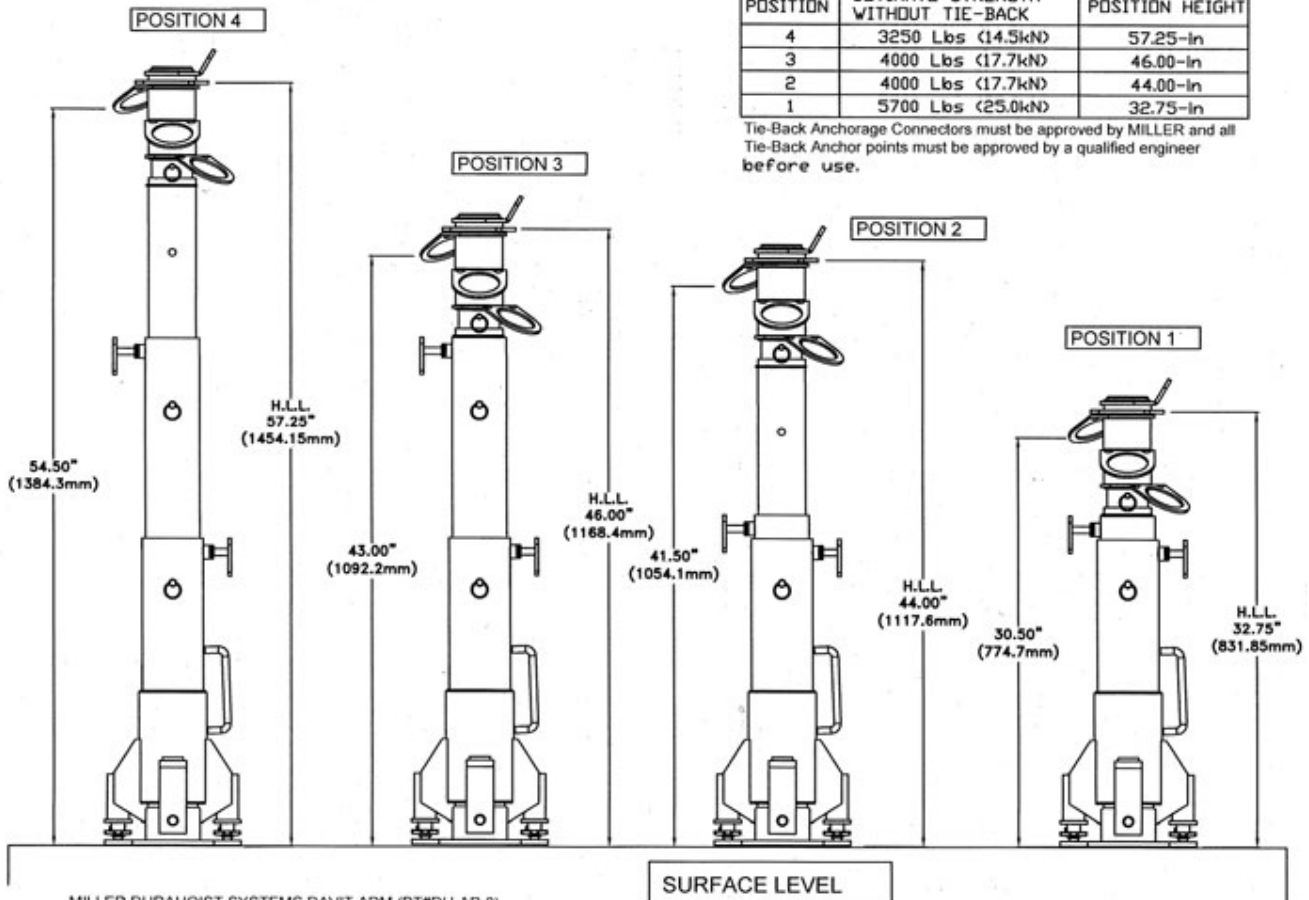
# Portable Fall Arrest Anchor Post

Model: DH-AP-1/

HORIZONTAL LIFELINE (H.L.L.) POSITIONS & RATINGS

POSITION	ULTIMATE STRENGTH WITHOUT TIE-BACK	POSITION HEIGHT
4	3250 Lbs (14.5kN)	57.25-in
3	4000 Lbs (17.7kN)	46.00-in
2	4000 Lbs (17.7kN)	44.00-in
1	5700 Lbs (25.0kN)	32.75-in

Tie-Back Anchorage Connectors must be approved by MILLER and all Tie-Back Anchor points must be approved by a qualified engineer before use.



MILLER DURAHOIST SYSTEMS DAVIT ARM (PT#DH-AP-3)  
CAN BE USED IN POST POSITIONS 2 & 4 ONLY

HORIZONTAL LIFELINE HEIGHT = "H.L.L." DIMENSION



Toll Free 800-873-5242 • Phone 814.432.2118 • Fax 814.437.2973 • [www.millerfallprotection.com](http://www.millerfallprotection.com)

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