

*Stiff Arms*TM – Ladder Stiffener System

(patent pending)

by

Leverage Design Holding, LLC

Dan Crum – Managing member



Stiff Arms[™] – Ladder Stiffener

- A new extension ladder safety accessory
- Removes dangerous ladder motion, sway and bounce
- Cable truss kit attaches quickly to any extension ladder
- Creates a solid climbing platform
- Reduces ladder deflections by up to 75%
- Greatly improves safety, comfort & confidence
- Kits available for ladders from 20ft. up to 48ft.

*Stiff Arms*TM – Ladder Stiffener

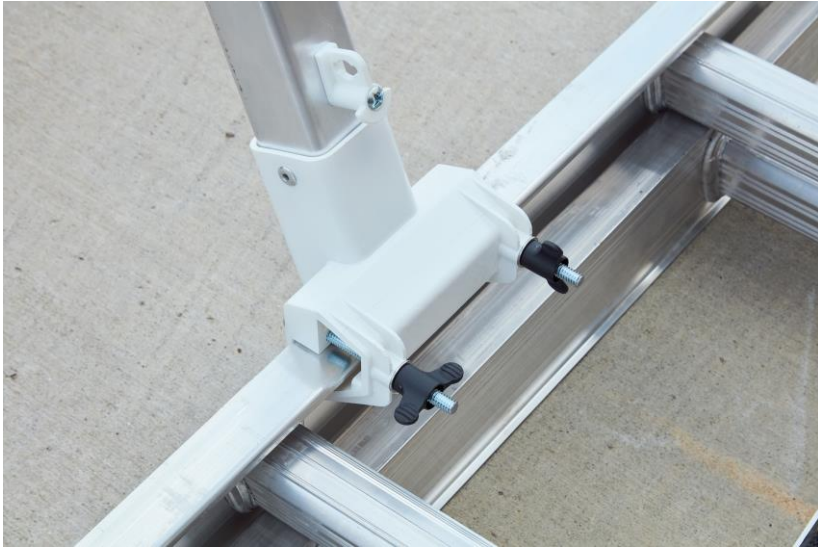


Product Includes:

- Sturdy telescoping aluminum arms
- Molded quick-connect arm clamps
- Molded low friction cable guides
- High tensile 4mm 7x19 wire cable
- Stainless steel cable anchors & clamps
- Molded rail-mounted cable brackets

*Stiff Arms*TM – Ladder Stiffener

Cable Truss Set-Up:



1. Arms clamp to base section rails



2. Cable anchors lock to brackets at upper end of fly section



3. Cable routes through fingers of cable guide

*Stiff Arms*TM – Ladder Stiffener

Cable Truss Set-Up:



4. Ladder is lifted to standing position and fly section is raised



5. Cable clamps lock to brackets on base section



6. Clamp screw is tightened by hand

*Stiff Arms*TM – Ladder Stiffener



Truss Arm Design:

- Truss arms are angled apart to provide simultaneous stiffening in orthogonal and lateral directions
- Ladder stiffness is improved by a factor of 4 to create a stable, motion-free climbing platform

*Stiff Arms*TM – Ladder Stiffener



Simple Removal & Storage:

- Arms collapse to shortened length
- Cables coil neatly on storage brackets
- Compact *Stiff Arms*TM store anywhere