

BUMPER Boost™ Line Array bumper accessory_Instructions

Do not attempt to use this product before reading and understanding the instructions.
If you have any questions, contact APE

Use of this hardware involves the overhead suspension of equipment.

An overall review of your plan and method of attachment to the structure should be done by a licensed professional engineer.
The installation should only be done by qualified individuals with the knowledge and proper tools to ensure a reliable outcome.

Instructions

(A)

Drill Guide/Gimbal Assembly
Gimbal assembly accepts a maximum pipe size of 2" (2.375" O.D.)
Smaller pipe sizes may be used, as well as Strut System channel.
This pipe or strut system channel (Unistrut or equal) must be installed level.
Use the Drill Guide feature to drill bolt holes in component "B".
With pipe against end stop, drill into pipe from each side.
Do NOT drill straight through from one side.
Discard the cotter pin and four 1/4" cap screws after use.
See the proper use of the Drill Guide @
www.aperigging.com "watch an installation" video.

(B)

Pipe Stem
User provided 3/4" schedule 40 steel Pipe, 1.05" O.D.
Available at plumbing supply. This is NOT thin wall conduit.
See user prepare pipe for install @
www.aperigging.com "watch an installation" video.
The BOLTS supplied for this pipe are long enough to allow the
unthreaded portion to go completely thru the assembly.
The locknut must be installed against the unthreaded portion on bolt.

(C)

Swivel Assembly
Hoist the line array using one of the two Pick Points.
The two-piece clamp collar, that locks the horizontal adjustment
of the Swivel Assembly, is installed AFTER the hoist is no longer
attached to one of the pick points.
The collar can be installed without
completely separating the two halves.

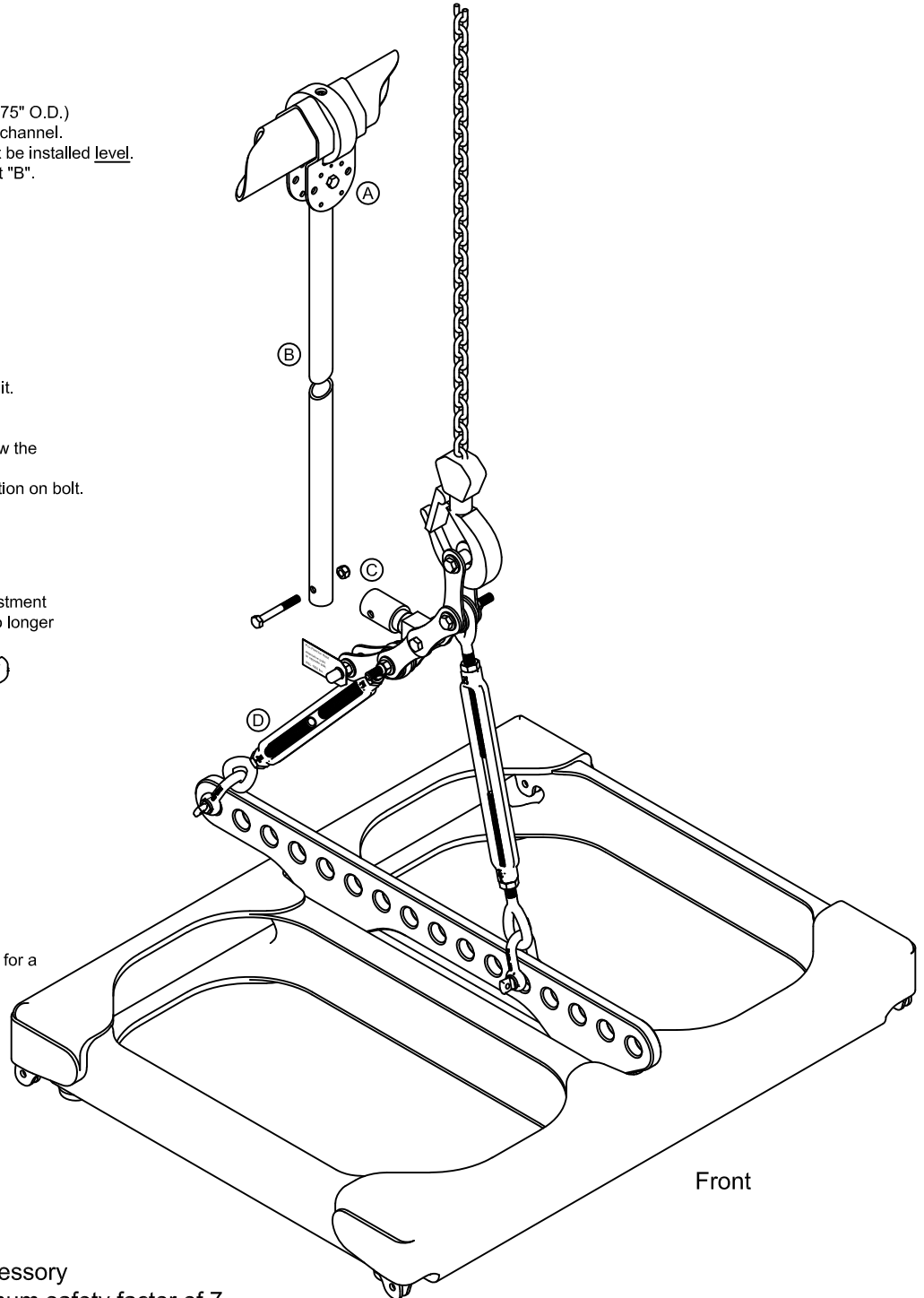


(D)

Turnbuckle
After the complete Line Array is suspended from the
Stem Assembly, extend the appropriate turnbuckle to
accomplish the desired vertical aiming angle.
Use the jam nuts to retain this adjustment.

Please Note:

The elements of the Line Array are not shown to allow for a
larger illustration of the components being described.
The elements are typically added during the hoist.



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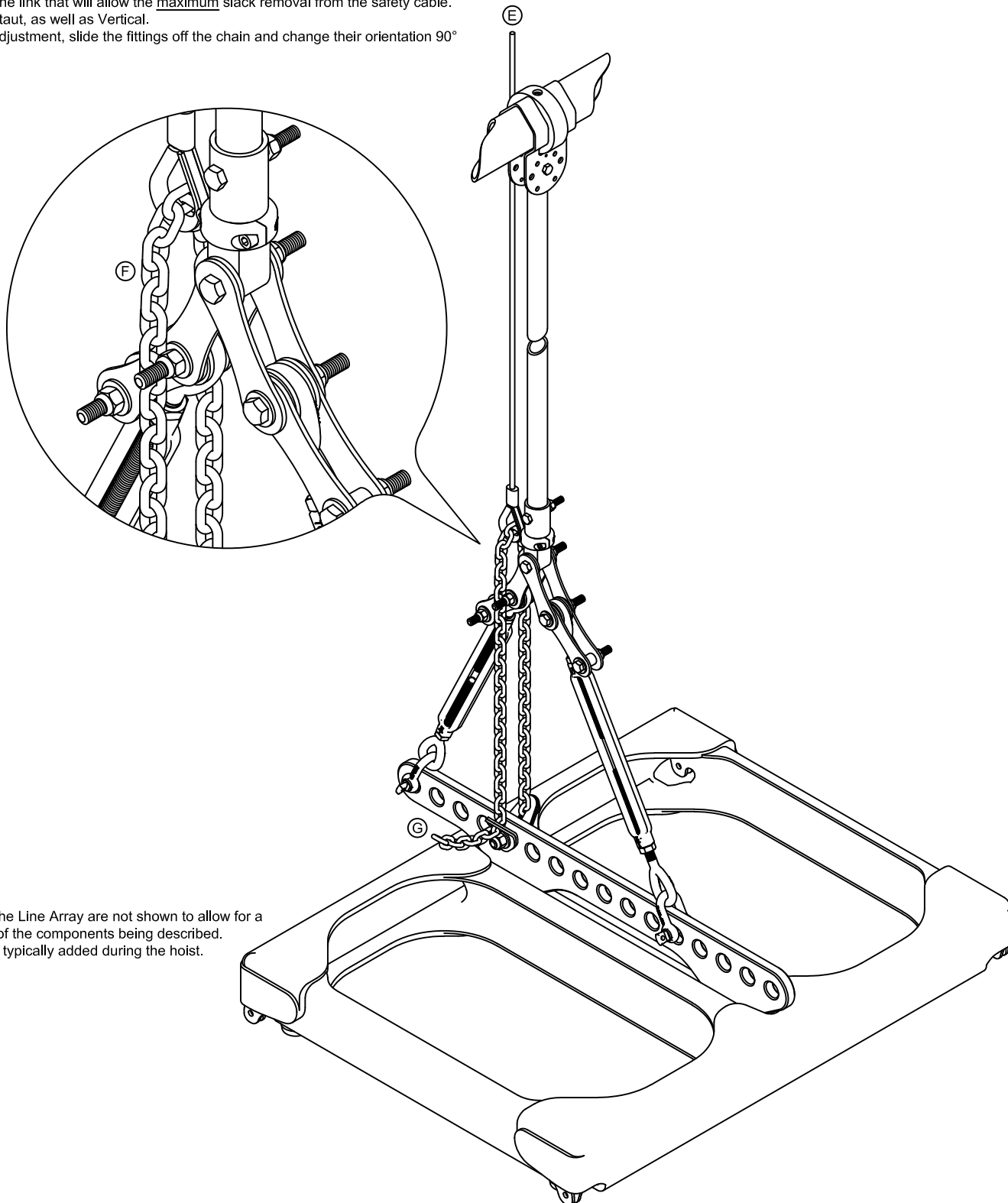
Working Load Limit 1000 lbs. with a minimum safety factor of 7

The distance between the shackle pins must not exceed 20 inches.

Ⓔ Safety Cable (not supplied with system)
Working Load Limit (WLL) of this cable should be at least twice that of the suspended load.

Ⓕ Safety Cable Tensioner Assembly (supplied with system)
Grade 80 chain with adjustable fittings to remove slack in safety cable.
Install AROUND turnbuckle as shown, and immediately adjacent to 3/4" pipe stem.

Ⓖ Adjustable End of Tensioner Assembly
Pull free end of chain thru wire rope eye and down to opposite side of bumper.
Adjust the fittings to the link that will allow the maximum slack removal from the safety cable.
The cable should be taut, as well as Vertical.
To make a one link adjustment, slide the fittings off the chain and change their orientation 90°



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