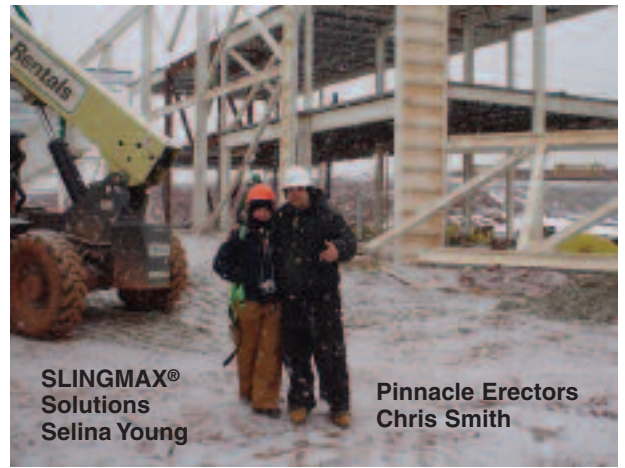




At Dulles International Airport outside of Washington, DC ten cranes lifted 703,000 lbs. airplane hanger roof supports. The dimensions of the supports in each lift are 165' wide by 202' long, which is approximately 70% of the size of a football field. The entire structure was fabricated on the ground for safety and ease of assembly.



SLINGMAX®  
Solutions  
Selina Young

Pinnacle Erectors  
Chris Smith



703,000 lbs.  
of Steel

10 Crane Lift

Pinnacle  
Erectors, Inc.

W.O. Grubb  
Cranes



## SLINGMAX® Solutions involved in this project:

- Twin-Path® Extra Slings
- Fiber Optic Inspection System
- CornerMax™ Pads
- Shackle Pin Pads
- K-Spec® Core Yarn
- Covermax® Covers
- St. Germain Round Sling Machines



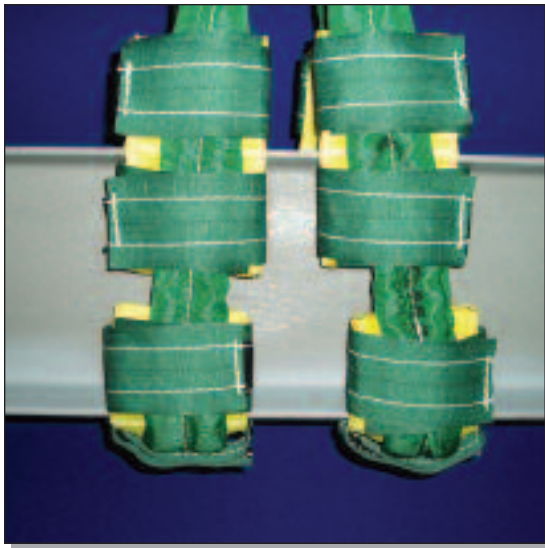
Rigging Gear weighed 10,000 lbs. less than traditional gear.

# Pressure on CornerMax™ Pads

PATENT PENDING

Successful protection of synthetic slings from load edges depends on the ability of the CornerMax™ Pad used to resist pressure created by the force of the load. CornerMax™ Pads are designed to provide 25,000 lbs. of protection per inch of sling width.

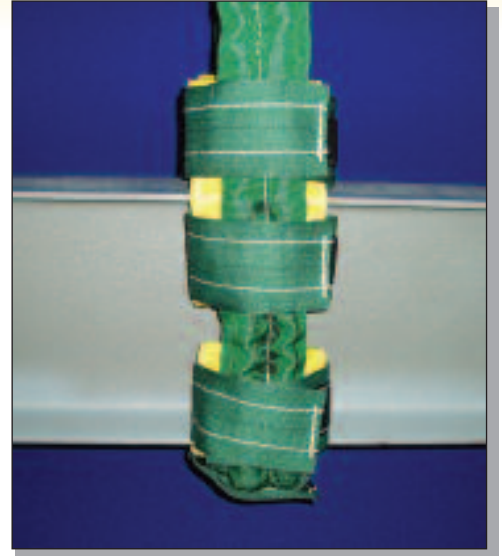
A sling used in a basket connection will have the highest rated capacity per inch of width. If the sling used is endless in nature like a web sling, a roundsling, or a Twin-Path® Sling, the force is accentuated if the two parts of the sling lay one on top of the other around the edges of the load.



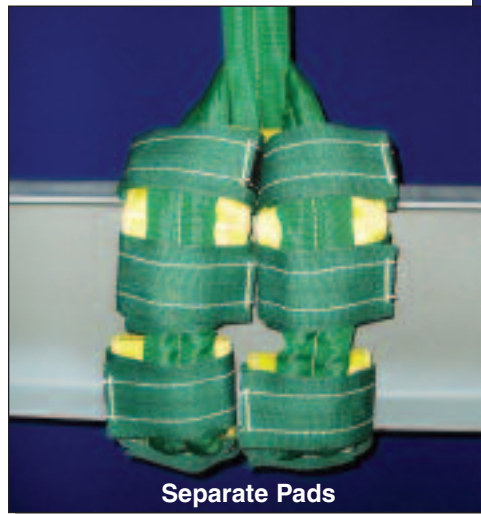
An example would be a Twin-Path® Sling TPXC 5,000 made in a 5" tube that has a 50,000 lb. vertical rated capacity and 100,000 lb.

capacity in a basket hitch. If the sling passes around the load with one section on top of the other, the total rated capacity of 100,000 lbs. is contained in a 5" width resulting in 20,000 lbs. per inch of pressure on the edge.

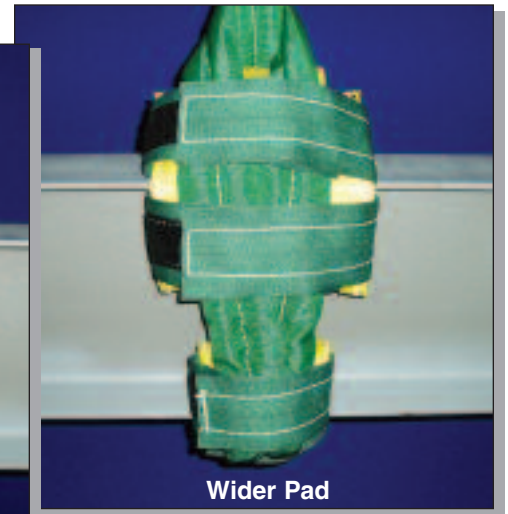
If the two sling sections are spread out or separated to better control the load the result is actually 10" of sling width (2-5" wide bodies) or 10,000 lbs. per inch of pressure between the sling and the edge.





The rated capacity in a choke hitch is lower than a basket hitch. In the case of a Twin-Path® Sling TPXC 5,000 used in a choker hitch the rated capacity is 40,000 lbs. The pressure per inch between the sling and the load edge reaches a maximum of 8,000 lbs. if the 5" tubes are laid on top of one another and only 4,000 lbs. per inch if they are separated for better load control.



Separate Pads



Wider Pad



**⚠ WARNING**  
Can cause damage or failure of sling, if mis-used or damaged. Inspect before each use. Inspect for cuts, tears or damage that may prevent protection of the sling. Be sure pad is the correct size and type to protect the sling. DEATH or INJURY can occur from improper use or maintenance.

Pad 01



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RIGGING SOLUTIONS

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