Most synthetic sling accidents are caused by cutting. There are many kinds of protective sleeves and pads available, but only two synthetic protectors provide adequate cut protection: CornerMax® Pads and CornerMax® Sleeves. They have been engineered and tested to provide 25,000 lbs. of protection per inch of sling width (4464 kg per centimeter of sling width). CornerMax® Pads are designed for 90° straight edges. CornerMax® Sleeves are for other edges – curved, rough, or irregular – and are the protection of choice for I-beams. For synthetic slings, the most critical decision is whether cut protection is needed.

**Cut Protection - Engineered Softeners**

Cornermax® Pads are shown in the right two photos. The pad creates a “tunnel” of cut protection which is known as the No Touch Zone. The corner of the load does not come in contact with the pad or the sling.

**NOTE:** The sides of the pad must be completely supported in order to create and maintain the “tunnel” or No Touch Zone.

Cornermax® Sleeves may look like traditional protection sleeves, but ours are made from tough high performance fiber that is specifically woven to provide cut protection for a variety of edges and surfaces. Most commonly used sleeve material cannot stop an edge from cutting the sleeve and or the sling.
This chart shows the results of testing of the Cornermax® Sleeve and Pad compared to competing edge protection. In our tests the Cornermax® Sleeve and Pad exceeded all other types of cut protection. We back this up with a rating of 25,000 lbs per inch of width. The Cornermax® Sleeve and Pad allow synthetic roundslings to meet their working load limit with no damage to the sling or the protection.

Sometimes cut protection is not needed. We have a full line of engineered softeners that are excellent for abrasion protection or for protecting a load surface. The Shackle Pin Pad is designed to prevent a synthetic sling from damage. When a sling is seated on the pin side of a shackle.