

Test; Twin Path vs. Single Path Slings with Cut Strands

On this date we tested a Single Path round sling and compared the results to a Twin-Path® Sling. Each sling was made with the same number of core yarn strands. Each sling had 25% of the core yarns cut.

- The material used for the tension members in both slings was K-Spec™ fiber.
- The calculated breaking strength of each sling with no cut strands was 125,000 lbs.
- 1. We first pulled the Single Path sling to destruction: 65,400 lbs. (52% of optimum)
- 2. Then we pulled the Twin-Path® Sling to destruction: 114,100 lbs. (91% of optimum)

The Twin-Path® sling with the exact same amount of core yarn and the exact same amount of cut strands achieved a 48,700 lb. higher breaking strength.

During the testing, the overload Tell-Tails in the Twin-Path® sling receded into the cover, showing the user that the sling was nearing failure.

- The Single path sling achieved a 2.6-1 Design Factor with 25% of the strands cut.
- The Twin-Path® design, with 25% of the strands cut, reached a 4.6-1 Design Factor
- **Twin-Path® Slings provide the user with a substantially better product.**