

Length Tolerance for Twin-Path® Extra Slings

Many critical lifts require exact sling lengths. All Slingmax® Twin-Path® Slings are made with a patent pending machine that guarantees exact sling lengths and repeatability. The length tolerance for Twin-Path® Extra Slings is plus or minus ½-inch. Therefore, any Twin-Path® slings you order will be within 1” tolerance from shortest to longest.

This tolerance is effective regardless of the quantity of slings ordered. This tolerance remains the same for all length and capacity slings as well, whether they are 100-ft. or longer or rated for 400-t or more. If you expect these exact lengths from higher capacity wire rope slings you will be disappointed.

Twin-Path® Extra slings stretch less than 1% at rated capacity, the same as steel wire rope slings. It is important to note that Twin-Path® Extra slings have a bulked nylon double cover which protects the K-Spec® core yarn inside. Nylon shrinks when relaxed and stretches under load whereas K-Spec® does not. Therefore, roundsling covers will show some expansion and contraction over time, which is perfectly normal. So floor measuring, especially with used slings is not always accurate. To ensure optimal accuracy, we recommend measuring Twin-Path® Slings under load even if it is only 10% of rated capacity. This can be verified safely at the manufacturers’ location during the proof loading procedure. Or it can be performed upon request or when slings are repaired and recertified.

Example #1 – July 2007

Customer ordered 2ea. TPXC 50,000 x 110’. At Vertical Rated Capacity (500,000 lbs.) there was ¼” difference in length between the two slings.

	<u>Length</u>
Sling 1.	110’
Sling 2.	110’-¼”



Example #2 – February 2009

Customer ordered 5ea. TPXC 80,000 x 44'3". (Vertical Rated Capacity = 800,000 lbs.)
We measured each sling under 100,000 lbs of load and the variance between all 5 was $\frac{3}{4}$ " (.75) of an inch.

Length

- Sling 1. 44' 2.25"
- Sling 2. 44' 2.75"
- Sling 3. 44' 3"
- Sling 4. 44' 3"
- Sling 5. 44' 3"

