

## TPXC Slings vs. Braided Polyester

### COMPARISON OF BRAIDED POLYESTER SLINGS WITH TWIN-PATH® EXTRA SLINGS

1. Braided Polyester (BP) are twice as heavy as the TPXC
2. BP Stretch 9% compared to 1% for TPXC
3. The length variation for BP is advertised at + or – 2% when under load. Length variation for BP at rest is advertised at + or – 5%. Length variation of TPXC under load or at rest is + or – 0%. On a 50' sling a variation of + or – 2% would be about 24". This is a very large deviation.
4. BP are advertised as repairable by replacing a cut or damaged component sling. This is doubtful since the variation in the slings is so great how could they all achieve an equal share of the load if one was replaced? TPXC are repairable if the core yarns are not cut.
5. BP slings are double walled, not two separate covers. TPXC have two separate covers which are contrasting colors with red underneath for easier inspection of cuts and abrasion.
6. TPXC are available with Tell-Tails for overloads and Fiber Optics to detect chemical, heat and crushing damage as well as cuts. BP have none of these features.
7. BP cost less to purchase but TPXC cost much less to use. In the first case you buy a four cylinder with a Rolls Royce gas mileage. In the second case you buy a Rolls Royce with a four cylinder gas mileage.
8. BP have the same weight per foot as wire rope slings.
9. Braided Polyester slings wear faster because they always use the same connection points in the loops and the braiding causes fatigue stress at multiple points throughout the sling. TPXC change wear points every time they are connected to load.
10. Confusion: At several points in the literature the variation of BP are given as + or – 5% of the ordered length when the sling is at rest. This totals a variation of + or – 30" which could equal 5' on a pair of 50' slings. Most riggers would admit that this would preclude the use of these slings. If the variation is 5% when the sling is at rest how could the variation then change to only 2% when the slings are loaded as shown on another page of the catalog?
11. On a pair of 50' slings the stretch is given as approximately 9%. This is about 5' meaning the slings would be 55' long at rated capacity.
12. TPXC are much easier to rig, store, transport and handle and require less people and material handling equipment.
13. BP are much heavier than TPXC when wet because the polyester absorbs twice as much water as the TPXC slings.
14. TPXC are more resistant to cutting, heat, and chemical exposure.