



Slings in Action



TWIN-PATH® The Most Inspectable Slings Ever!



Check-Fast® system provides a pass/fail inspection. If overloaded, the External Warning Indicator disappears before the sling fails (TPXCF).

The separate inner cover shows red for warning that the sling is damaged and should be taken out of service for repair.

Twin-Path® slings are repaired with patches like this. Each sling is proof tested after a repair.

Older slings may have two kinds of indicators. Tell-tails warn of overload and a fiber optic warns of core yarn damage (TPXC).

Also Available to help you rig SAFER.... BETTER.... FASTER....



RIGGING TRAINING
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A full line of engineered softeners featuring **CornerMax®** cut protection



Riggers Handbook available on website upon request.

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Twin-Path® Adjustable Bridle USER'S MANUAL



PROPER LOAD POSITIONING

The Twin-Path® Adjustable Bridle Sling is a multi-purpose rigging tool and it's important that it is used properly. The adjustment ring has a double leg for the heavy side of the load and a single leg on the lighter side.

It is important that the load be free to adjust. Do not use wear protection or padding at the bearing points as this will inhibit movement of the Twin-Path® sling through the master ring.

When lifting with the Adjustable Bridle, the ring will slide to the center of gravity. To obtain maximum efficiency when using the Twin-Path® Adjustable Bridle, the crane hook should be placed over the estimated center of gravity (COG). If using an overhead bridge crane, realize that the trolley will center itself over the load if not equipped with brakes or other holding devices. In the event the load begins to lift in an uneven manner, set the load back down. The release of tension will allow the bridle sling to adjust towards the correct position. Lift the load again and the ring will now find the COG.



If the lifting points are an equal distance from the center of gravity then the Twin-Path® Adjustable Bridle can be hooked-up with the double or single leg on either lifting point.

If the lifting points are an equal distance on either side of the center of gravity but one is higher, the double leg should be attached to the higher lifting point.

If one of the lifting points is closer to the center of gravity attach the double leg to this lifting point. If the Twin-Path® Adjustable Bridle is attached so that the single leg is nearest the center of gravity, it will have the highest weight concentration.

TWIN-PATH® ADJUSTABLE BRIDLE SPECIFICATIONS

TPA Code	Bridle Capacity (Lbs.)	Sling Eye Nominal Width*	Adjustable Ring Dimensions			Shackle Requirements		Sling Weight (Lbs.)	
			Ring Stock Diameter	Main Hook Area (Width)	Ring Area (Length)	Nominal Shackle Size	Tonnage (W.L.L.)	Approx. 3 Foot Base	Approx. Adder Per Foot
TPA 6	6,000	2-1/2"	1-13/16"	3-1/8"	2-5/8"	5/8"	3-1/4T	4.40	1.35
TPXA 12	12,000	3"	1-1/8"	4-1/8"	4"	7/8"	6-1/2T	6.80	1.95
TPXA 20	20,000	3"	1-1/8"	4-1/8"	4"	1-1/4"	12T	13.60	2.70
TPXA 40	40,000	4"	1-5/8"	5-1/4"	5-1/2"	1-3/4"	25T	31.10	4.20
TPXA 60	60,000	4"	2"	7"	7-1/2"	2"	35T	60.00	5.70
TPXA 90	90,000	5"	2-1/4"	8"	8-1/2"	2-1/4"	55T	86.00	8.10

PLEASE NOTE: Capacities shown are for entire bridle assembly with the double leg at a 45° horizontal angle. *Body width is 1" wider.

METRIC CAPACITIES AVAILABLE

DO NOT EXCEED RATED CAPACITY

⚠ WARNING

Sling can fail if damaged, misused or overloaded. Inspection before use. Damaged sling shall not be used. Use only if trained. Do not exceed rated capacity. Protect sling from being cut by load edges, corners, protrusions and abrasive surfaces. Avoid exposure to acid, alkali and temperature over 180°F. DEATH or INJURY can occur from improper use or maintenance.

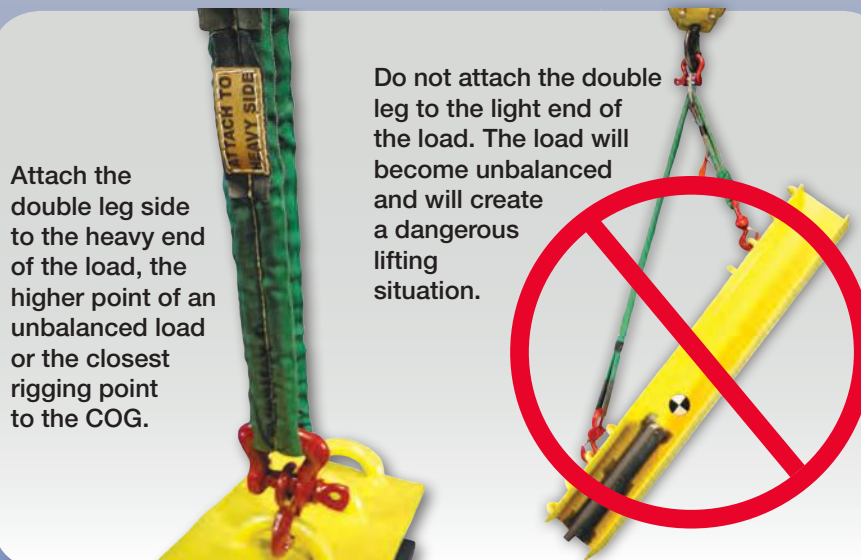
Do's and Don'ts



Choose proper rigging. The rigging should be the correct size and capacity to accommodate the Twin-Path® sling. The rigging hardware should not allow the Twin-Path® sling to 'bunch'. The sling must be able to slide through the hardware to properly adjust.

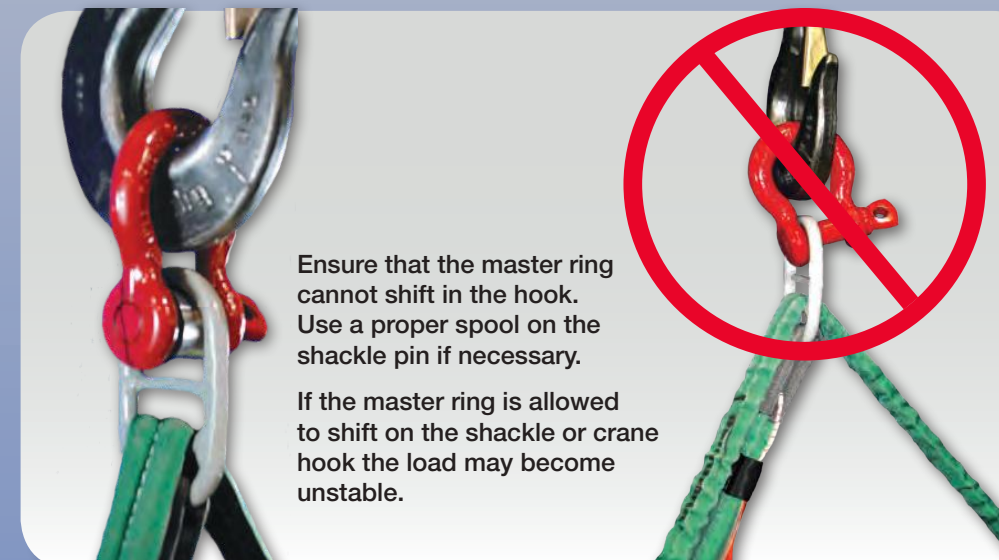


Sling and fittings correctly aligned with the load will allow the Twin-Path® sling to properly adjust. Proper alignment will result in proper adjustment.



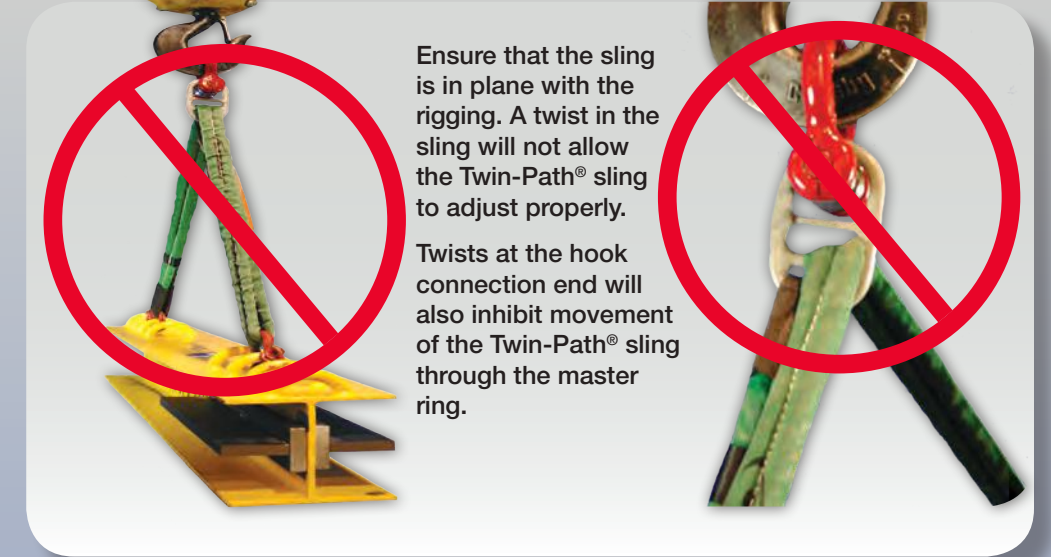
Attach the double leg side to the heavy end of the load, the higher point of an unbalanced load or the closest rigging point to the COG.

Do not attach the double leg to the light end of the load. The load will become unbalanced and will create a dangerous lifting situation.

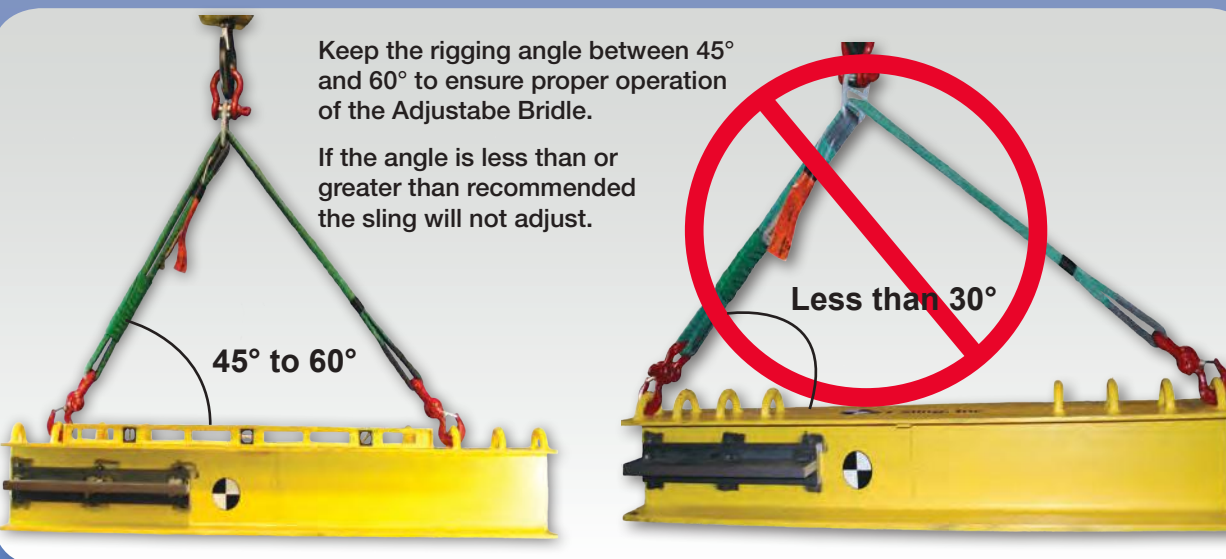


Ensure that the master ring cannot shift in the hook. Use a proper spool on the shackle pin if necessary. If the master ring is allowed to shift on the shackle or crane hook the load may become unstable.

Do's and Don'ts



Ensure that the sling is in plane with the rigging. A twist in the sling will not allow the Twin-Path® sling to adjust properly. Twists at the hook connection end will also inhibit movement of the Twin-Path® sling through the master ring.



Keep the rigging angle between 45° and 60° to ensure proper operation of the Adjustable Bridle.

If the angle is less than or greater than recommended the sling will not adjust.

Less than 30°

45° to 60°



Size the sling as close to capacity as the load to be lifted. A larger sling will not adjust correctly on a smaller load.



If additional rigging is required to achieve the correct angle it should be connected to the legs of the bridle using suitable hardware.