Twin-Path® Adjustable Bridle

TWIN-PATH® EYE & EYE SYNTHETIC SLING

US Patent #5,727,833 & #4,850,629

EE This product is made to be an eye and eye sling only. Usually an eye and eye sling is made from a round sling with a sleeve over it to form the eyes at each end. This sling is light, strong and less expensive than a round sling with a sleeve. It can be manufactured using either K-Spec® core yarn or polyester. Riggers have told us that they have some applications where they want an eye and eye sling only and this is the one with all of the Twin-Path® features in a strictly eye and eye product. Order by model number and length i.e. TPXCEE 2,000 x 10´.

TWIN-PATH® ADJUSTABLE BRIDLE SLING

US Patent #4,850,629 & #5,651,573

TPXA or **TPA** This tool is an aid to finding the center of gravity. When the load is lifted the ring moves over the COG to balance and level the object. We developed this tool in conjunction with riggers in the field for lifting objects with uneven geometric proportions or off center balance points. The Twin-Path® Sling may be permanently attached to the ring, or in the field using a G-Link™ for the connection. The G-Link™ or the permanent attachment keeps the slings in the same plane as the ring which is the ideal form of connection.

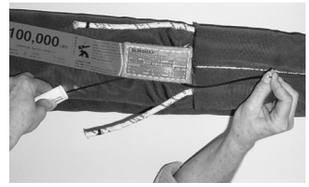
SPARKEATER® SYNTHETIC SLINGS

US Patent #4,850,629

SE When you have a hot environment up to 300°F, use a Sparkeater® to lift the load without marring the surface of the lifted piece. Also, when doing stage rigging order this product for the protection it gives from exposure to fire, heat, sparks and pyrotechnics. Just specify black color for the theater or yellow for all other applications. These slings are made from Nomex® for the cover and Aramid high performance core yarns. Available in capacities of 2,000 to 30,000lbs. When lifting heated steel, wire rope or chain slings might scratch the load causing expensive rework. Fire exposure testing was performed by London Scientific and the product was identified as being as good as wire rope or chain for use in off shore applications in the oil industry.

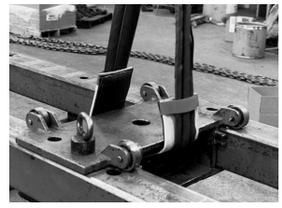
FIBER OPTIC INSPECTION OPTION

US Patent #5,651,572 and Patents Pending



Twin-Path® slings type TPXC come standard with a Fiber Optic inspection system. The condition of the internal core yarn can be inspected by checking the continuity of the fiber optic cable. If heat, chemicals, crushing or cutting has occurred then the damage to the fiber optic cable will destroy its ability to transmit light from one end to the other giving the inspector a reason to remove the sling from service and send it for repair evaluation. The fiber optic cable will conduct light using natural, overhead or flashlight sources.

SYNTHETIC ARMOR WEAR PADS



For extra protection for synthetic, wire rope, and chain slings, we have available an assortment of materials that we incorporate in our Synthetic Armor Wear Pads. These are primarily for abrasion or wear protection but can be used for cut protection in many cases. Not only will these wear pads keep the load from damaging the slings, but they will also protect the load from being scratched by the slings.

CORNERMAX™

The Cornermax™ cut protection device prevents a sharp edge on the load from touching the sling. In fact the sharp edge doesn't even touch the Cornermax™ protector! This protector will handle the most extreme circumstances lifting steel and concrete. Cornermax™ is the latest in the line of cut and wear protection from Slingmax.

CORNERMAX™ SLEEVES WITH DYNEEMA® FIBER

The CornerMax™ Sleeve is the latest in rigging solutions from SLINGMAX® Solutions. The CornerMax™ Sleeve is the ideal solution to protect synthetic slings from cutting when it is not practical to use a CornerMax™ Pad, whether due to curvature of the load edge or repetitive uses such as unloading steel coils. Independent field and laboratory testing has shown the CornerMax™ Sleeve to be extremely cut resistant. The CornerMax™ Sleeve is made with Dyneema® Fiber and is proven tough. To prevent sliding, the 6" wide CornerMax™ Sleeve has been sewn down the middle (5") on each end of the Twin-Path® Extra Sling (pictured). The true benefits of this revolutionary material far outweigh the costs and now provide for the use of synthetic slings in applications previously dominated by heavy chain, mesh and wire rope slings.

Twin-Path® Adjustable Bridle

TPXA (with K-Spec®), TPA (with polyester)

US Patent # 4,850,629 Canadian Patent # 1,280,458

The Twin-Path® Adjustable Bridle is the ultimate multiple use rigging tool. It can be used in applications where a standard two-leg or four leg bridle is used with the added advantage of self-adjustment to awkward loads. The Twin-Path® Adjustable Bridle self-adjusts over the center of gravity to find the lifting point. The Twin-Path® Adjustable Bridle can also be used as a complete rigging tool for choker, vertical, or basket hitches. The use of two or more Twin-Path® Adjustable Bridles facilitates lifts with multiple lifting points. Can be used down to an horizontal angle of 45˚. All Twin-Path® Adjustable Bridles are made with a CoverMax® cover.

TWIN-PATH® ADJUSTABLE BRIDLE SPECIFICATIONS

STOCK NO.	APPROXIMATE WIDTH WHEN FLAT	2-LEG BRIDLE SLING CAPACITY 90˚ TO 45˚ HORZ. ANGLE LBS	ADJUSTABLE RING DIMENSIONS			SHACKLE DIMENSIONS	
			RING STOCK DIAMETER	MAIN HOOK AREA (WIDTH)	RING AREA (LENGTH)	NOMINAL SHACKLE SIZE	SHACKLE WLL TONS
TPA 6	4”	6,000	1/2″	2-1/2″	2-1/2″	5/8″	3.25
TPXA 12	5”	12,000	3/4″	3″	3″	7/8″	6.50
TPXA 20	5”	20,000	1″	4″	4″	1-1/4″	12.00
TPXA 40	6”	40,000	1-1/2″	5 1/4″	5-1/4″	1-3/4″	25.00
TPXA 60	6”	60,000	2″	7″	7″	2″	35.00
TPXA 90	6”	90,000	2-1/4″	8″	8″	2-1/4″	55.00

PLEASE NOTE: CAPACITIES SHOWN INCLUDE BOTH PATHS AND ARE FOR ONE COMPLETE ASSEMBLY.

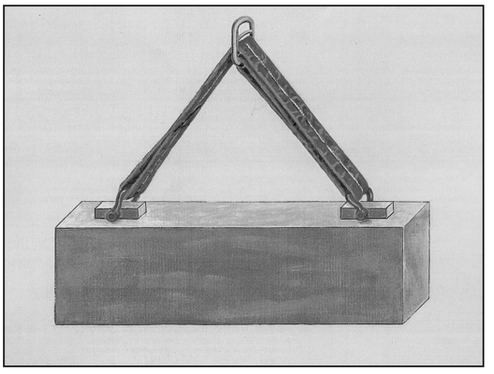
METRIC CAPACITIES AVAILABLE **DO NOT EXCEED RATED CAPACITY**

⚠ WARNING

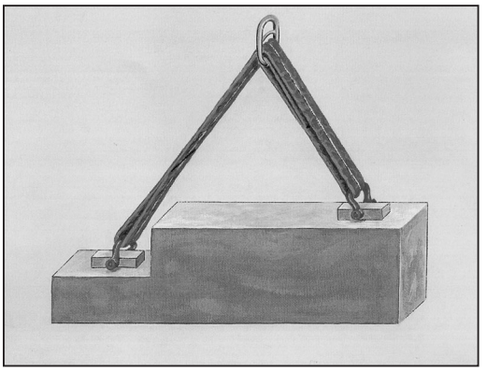
Sling can fail if damaged, misused or overloaded. Inspect before use. Damaged sling shall not be used. Use only if trained. Do not exceed rated capacity. Protect sling from being cut by load edges, corners, protrusions and abrasive surfaces. Avoid exposure to acid, alkali, sunlight and temperature over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

Twin-Path® Adjustable Bridle

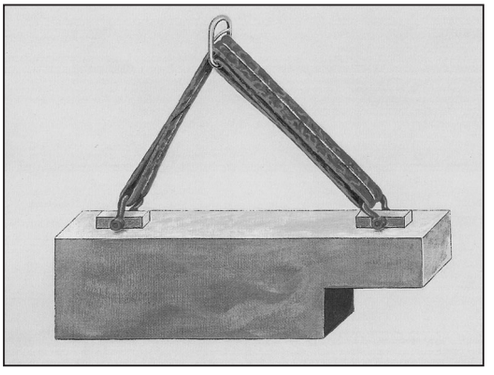
The Twin-Path® Adjustable Bridle Sling is a multi-purpose rigging tool and it's important that it is used properly. The adjustment ring has a double sling on one side and a single sling on the other side.



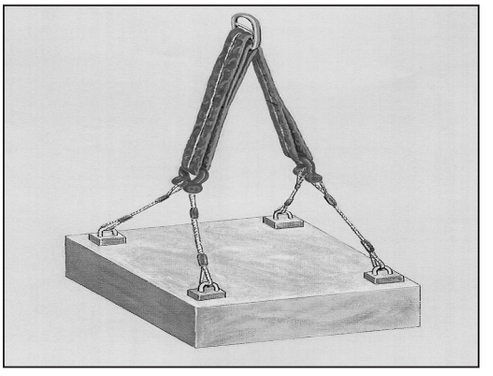
If the lifting points are an equal distance from the center of gravity then the Twin-Path® Adjustable can be hooked-up with the double or single sling on either lifting point.



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



If one of the lifting points is closer to the center of gravity, then attach the double sling to this lifting point. It will have the highest weight concentration. If the Twin-Path® Adjustable is attached so that the single sling is nearest the center of gravity, it will not allow the lift to be made.



Never use the Twin-Path® Adjustable Bridle in situations where the sling-to-hook angle is greater than 45°. Always connect above the center of gravity. If connections are made below the center of gravity, then the load may turn when lifted.

Sling can fail if damaged, misused or overloaded. Inspect 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, sunlight and temperature over 180°F. DEATH or INJURY can occur from improper use or maintenance.

⚠ WARNING