

# TWIN-PATH® SLINGS WITH COVERMAX® COVER, K-SPEC® CORE YARN AND CHECK-FAST® INSPECTION SYSTEM

Synthetic slings

**Twin-Path® synthetic roundslings** have Check-Fast® Inspection System overload indicators, Covermax® Covers for superior abrasion resistance, and inner red covers as an aid to inspection. Twin-Path® slings are used worldwide in place of steel rigging for heavy lifts. They are approximately 10% of the weight of a steel sling and are repairable. The Twin-Path® sling design, which has two individual paths of fiber working as one sling, gives the rigger confidence. These slings have less than 1% elongation at rated capacity.

If productivity, safety, and precision are important, then Twin-Path® high-performance roundslings are your best choice. Independent testing shows that K-Spec® core yarn is the longest lasting load-bearing core yarn in any sling.



## Twin-Path® Check-Fast® Slings (with K-Spec® core yarn and Covermax®)

NOTE: Capacities shown include both paths and are for one complete sling. Sling ratings based on commercial fittings of equal or greater capacity. Conforms to ANSI/ASME 830.9 chapter 6, NAVFAC P-307 section 14.7.4.3, and the Cordage Institute Roundsling Standard. This chart is based on 5:1 Design Factor (DF); but any other DF can be fabricated. Higher capacity slings are available. CAPACITIES ARE IN POUNDS (LBS.).

Twin-Path® Sling Stock No.	Vertical	Choker	Vertical Basket 90°	Basket Hitches		Approximate Weight (lbs. per ft.) (Bearing- Bearing)	Nominal Body Width (in.)*
				60°	45°		
TPXCF/TPXC 1000	10,000	8,000	20,000	17,320	14,140	0.40	1.5 - 3.0"
TPXCF/TPXC 1500	15,000	12,000	30,000	25,980	21,210	0.45	1.5 - 3.0"
TPXCF/TPXC 2000	20,000	16,000	40,000	34,640	28,280	0.51	1.5 - 3.0"
TPXCF/TPXC 2500	25,000	20,000	50,000	43,300	35,350	0.57	2.0 - 4.0"
TPXCF/TPXC 3000	30,000	24,000	60,000	51,960	42,420	0.71	2.0 - 4.0"
TPXCF/TPXC 4000	40,000	32,000	80,000	69,280	56,560	0.83	2.0 - 4.0"
TPXCF/TPXC 5000	50,000	40,000	100,000	86,600	70,700	1.14	2.5 - 5.0"
TPXCF/TPXC 6000	60,000	48,000	120,000	103,920	84,840	1.27	2.5 - 5.0"
TPXCF/TPXC 7000	70,000	56,000	140,000	121,240	98,980	1.39	2.5 - 5.0"
TPXCF/TPXC 8500	85,000	68,000	170,000	147,220	120,190	1.65	3.0 - 6.0"
TPXCF/TPXC 10000	100,000	80,000	200,000	173,200	141,400	1.84	3.0 - 6.0"
TPXCF/TPXC 12500	125,000	100,000	250,000	216,500	176,750	2.35	4.0 - 8.0"
TPXCF/TPXC 15000	150,000	120,000	300,000	259,800	212,100	2.66	4.0 - 8.0"
TPXCF/TPXC 17500	175,000	140,000	350,000	303,100	247,450	3.14	4.0 - 8.0"
TPXCF/TPXC 20000	200,000	160,000	400,000	346,400	282,800	3.45	5.0 - 10.0"
TPXCF/TPXC 25000	250,000	200,000	500,000	433,000	353,500	4.07	5.0 - 10.0"
TPXCF/TPXC 27500	275,000	220,000	550,000	476,300	388,850	4.61	6.0 - 12.0"
TPXCF/TPXC 30000	300,000	240,000	600,000	519,600	424,200	4.92	6.0 - 12.0"
TPXCF/TPXC 40000	400,000	320,000	800,000	692,800	565,600	6.54	7.0 - 14.0"
TPXCF/TPXC 50000	500,000	400,000	1,000,000	866,000	707,000	8.15	8.0 - 16.0"
TPXCF/TPXC 60000	600,000	480,000	1,200,000	1,039,000	848,000	10.20	9.0 - 18.0"



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 and temperature over 180°F. DEATH or INJURY can occur from improper use or maintenance.

\*Dimensions can vary according to the hardware or bearing points the slings are used with. Minimum is "tapered" width; Maximum is the flat tubing width.

METRIC SLINGS AVAILABLE



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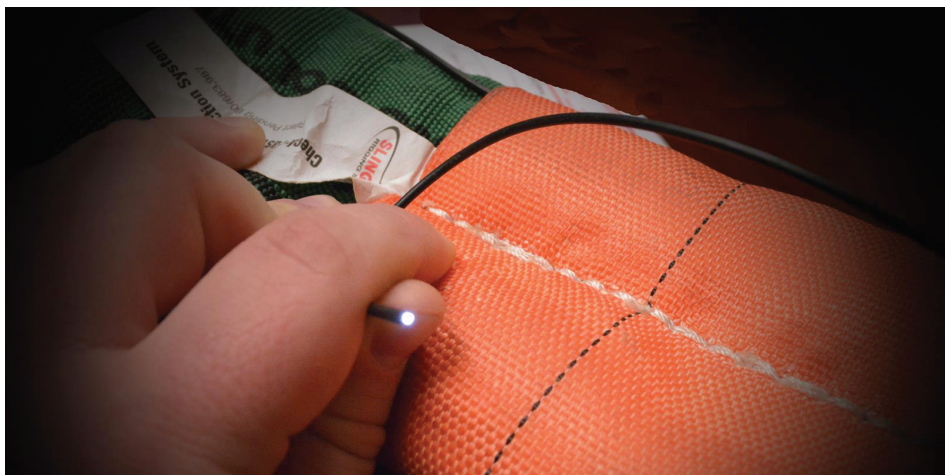


The Check-Fast® Inspection System is designed to improve job site safety. The Check-Fast® External Warning Indicator (EWI) provides a criteria for pass/fail inspection when the internal load-bearing core yarn may be damaged. The Check-Fast® Inspection System can also indicate ultraviolet (UV) light degradation, fiber-on-fiber abrasion, fatigue, and severe overload. If the sling is overloaded beyond its rated capacity, the EWI is designed to retract before the sling fails. The sling inspector now has an objective “GO/NO-GO” inspection device rather than relying on subjective and labor-intensive inspection techniques to guess if the load-bearing core yarns are in good condition.



## FIBER OPTIC INSPECTION

Fiber Optic Inspection is an optional add-on for Twin-Path® slings. If crushing or heat damage has occurred to the sling, the fiber optic cable will no longer have the ability to transmit light from one end to the other. This indicates to the inspector that the sling should be removed from service and returned for factory inspection. The fiber optic cable will conduct light using natural, overhead, or flashlight sources.



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## TWIN-PATH® ADJUSTABLE BRIDLE

[www.slingmax.com/patents](http://www.slingmax.com/patents)

Synthetic slings

The Twin-Path® Adjustable Bridle (TPXA with K-Spec® core yarn or TPA with polyester core yarn) is a two-leg bridle made with a Twin-Path® roundsling and adjustable bridle ring. When tension is applied to the Twin-Path® Adjustable Bridle, it self-adjusts until the lifting point is over the center of gravity (COG). This allows the two legs to be adjusted for a level lift without the need for custom slings or hardware.



Construction Equipment



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Military Aircraft

TPA Code	Capacity	Nominal	Adjustable Ring Dimensions			Shackle Requirements		Sling Weight (lbs.)	
			Diameter	Area (Width)	(Length)	Shackle Size	(W.L.L.)	Foot Base	Adder Per
TPA6	6,000	2-1/2"	1-3/16"	3-1/8"	2-5/8"	5/8"	3-1/4T	7.33	1.35
TPXA12	12,000	3"	1-1/8"	4-1/8"	4"	7/8"	6-1/2T	12.2	1.20
TPXA20	20,000	3"	1-1/8"	4-1/8"	4"	1-1/4"	12T	12.65	1.35
TPXA30	30,000	4"	1-5/8"	5-1/4"	5-1/2"	1-1/2"	17T	28.19	1.53
TPXA40	40,000	4"	1-5/8"	5-1/4"	5-1/2"	1-3/4"	25T	28.73	1.71
TPXA60	60,000	4"	2"	7"	7-1/2"	2"	35T	50.93	2.31
TPXA90	90,000	5"	2-1/4"	8"	8-1/2"	2-1/4"	55T	77.76	3.42

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

METRIC CAPACITIES AVAILABLE. DO NOT EXCEED RATED CAPACITY



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The Sparkeater® Sling (SE) is the sling to use when the job site is in a hot environment (up to 300°F or 150°C). These slings are made with high-temperature core yarns and a high-temperature cover.

Sparkeater® Slings, as with all Twin-Path® slings, come with an inner red cover that provides an early warning for damage, as well as the patented Check-Fast® Inspection System.



Twin-Path® Stock No.	Rated Capacities (lbs.)					Approximate Weight (lbs. per ft.) (Bearing- Bearing)	Nominal Body Width (in.)
	Vertical	Choker	Vertical Basket 90°	Basket Hitches			
				60°	45°		
TPSE 1000	10,000	8,000	20,000	17,320	14,140	0.40	1.5 - 3"
TPSE 1500	15,000	12,000	30,000	25,980	21,210	0.45	1.5 - 3"
TPSE 2000	20,000	16,000	40,000	34,640	28,280	0.51	1.5 - 3"
TPSE 2500	25,000	20,000	50,000	43,300	35,350	0.57	1.5 - 3"
TPSE 3000	30,000	24,000	60,000	51,960	42,420	0.71	2.0 - 4"
TPSE 4000	40,000	32,000	80,000	69,280	56,560	0.83	2.0 - 4"
TPSE 5000	50,000	40,000	100,000	86,600	70,700	1.14	2.0 - 4"
TPSE 6000	60,000	48,000	120,000	103,920	84,840	1.27	2.0 - 4"
TPSE 7000	70,000	56,000	140,000	121,240	98,980	1.39	3.5 - 7"
TPSE 8500	85,000	68,000	170,000	147,220	120,190	1.65	3.5 - 7"
TPSE 10000	100,000	80,000	200,000	173,200	141,400	1.84	3.5 - 7"

PLEASE NOTE: Capacities shown include both paths and are for one complete sling. Smaller and larger capacities available upon request.  
METRIC CAPACITIES AVAILABLE. DO NOT EXCEED RATED CAPACITY



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 and temperature over 300°F. DEATH or INJURY can occur from improper use or maintenance.



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