

FIRST® High Performance Roundslings

FHPZ High Performance Roundslings supply riggers with a consistent and reliable visual inspection. FIRST® – Full Inspection RoundSling Technology® – slings with a transparent **Clear Cover®** make inspection of the load bearing core yarns a reality. **Inspectable®** roundslings weigh less than an opaque sling of the same rated capacity. The breathable construction of the cover allows these slings to dry faster with improved resistance to mildew and rotting. FHPZ's are repairable but eliminate unnecessary and costly repairs due to unreliable indicators. **The Inspectable RoundSling®, a True Advancement in Lifting Safety.**

Note: All **FHPZ's** are proof tested to twice the rated capacity or working load limit. Elongation at rated capacity is less than 1%.

DESIGN FACTOR 5:1 RATED CAPACITY IN POUNDS

Code No						Approximate Measurements			
	Vertical	Choker	90° Basket	60° Basket	45° Basket	Body Diameter Inches	Connection Hardware Min. Dia. Inches	Width at Load Inches	Sling Weight Per Foot Pounds
FHPZ 10	10,000	8,000	20,000	17,000	14,000	1	1	1.75	0.24
FHPZ 15	15,000	12,000	30,000	25,500	21,000	1.125	1.125	2	0.31
FHPZ 20	20,000	16,000	40,000	34,000	28,000	1.25	1.25	2.25	0.42
FHPZ 25	25,000	20,000	50,000	42,500	35,000	1.25	1.375	2.25	0.51
FHPZ 30	30,000	24,000	60,000	51,000	42,000	1.375	1.5	2.62	0.58
FHPZ 40	40,000	32,000	80,000	68,000	56,000	1.75	1.5	3.5	0.94
FHPZ 50	50,000	40,000	100,000	85,000	70,000	1.875	1.75	3.5	0.95
FHPZ 60	60,000	48,000	120,000	102,000	84,000	2	2	4	1.11
FHPZ 70	70,000	56,000	140,000	119,000	98,000	2.125	2.5	4	1.3
FHPZ 85	85,000	68,000	170,000	144,500	119,000	2.375	2.5	4.25	1.54
FHPZ 100	100,000	80,000	200,000	170,000	140,000	2.75	2.5	4.5	1.79
FHPZ 125	125,000	100,000	250,000	212,500	175,000	3	3	5	2.22
FHPZ 150	150,000	120,000	300,000	255,000	210,000	3.25	3.5	5.25	2.61
FHPZ 175	175,000	140,000	350,000	297,500	245,000	3.5	3.5	7	3.07
FHPZ 200	200,000	160,000	400,000	340,000	280,000	3.75	3.75	7.25	3.47
FHPZ 225	225,000	180,000	450,000	689,700	318,000	Inquire	Inquire	Inquire	4.8
FHPZ 250	250,000	200,000	500,000	433,000	353,500	Inquire	Inquire	Inquire	5.45
FHPZ 275	275,000	220,000	550,000	476,300	388,850	Inquire	Inquire	Inquire	5.95
FHPZ 300	300,000	240,000	600,000	519,600	242,200	Inquire	Inquire	Inquire	6.85

The *Inspectable* RoundSling™ is in conformance with and meets or exceeds ASME B30.9; NAVFAC P-307; WSTDA RS-1; CI 1905; AS 4497.2; EN 1492-2 and JISB 8811 Standards.

Visit www.firstsling.com for more information



INVENTED IN OKLAHOMA...SAVING THE WORLD



In the history of sling standardization, the synthetic roundsling has remained the one and only type of sling wherein the actual load bearing material has been completely hidden from the sling user for visual inspection. **Inspection and removal criteria have relied almost entirely upon the appearance and condition of a cover with NO rated capacity.**



The cover serves to embody, secure and protect the sling's core and round shape. **The focus of industry improvements has traditionally taken two directions.** The use of high strength core yarn fibers to produce "high performance" synthetic roundslings with higher rated capacities and the selection of heavier duty, heat or chemical resistant cover fabrics.

Regardless of the type of cover, multiple uses and fiber on fiber abrasion between the core yarns may cause yarn deterioration and destruction, decreasing strength and preempting sling failure. **Layer upon lay of covers have been used as "fixed protection," allowing sling damage and deterioration to go unobserved.**



External indicators have been added in attempts to provide signs of core wear or damage. **The common result of each piece of this sling jewelry is the removal of the sling from service** and its return to a manufacturer for evaluation. The load bearing core, with certain rated capacities, remains hidden. Training for external indicators is confusing and costly and held outside the scope of standardization.

Tails

There is no predictable way of determining when the failure indicator will be triggered.

Optics

May indicate an overload condition when, in fact, no overload condition was reached.

The Invention

The *Inspectable* Roundsling™



The transparent cover embodies and protects without prohibiting a visual inspection of the working roundsling, the core, or the lifting sling!

Wire rope slings, chain slings, fiber rope slings, wire mesh slings and flat web sling inspections...none require costly or confusing accessories to perform a visual inspection. **Now riggers can see their roundslings too.**

*U.S. Patent #747926, Canadian Patent #2,614,374
Australian Patent #2006259277
Other U.S., Canadian, and Foreign Patents Pending*

