

***We Offer
Customers
a Choice!***



QUALITY DOMESTIC PRODUCTS

QUALITY IMPORT PRODUCTS

- **Fiber-Tech**
Round Slings
- **Bethlehem Wire Rope**
West Coast Distribution Center
- **Columbus-McKinnon**
Chain, Binders & Hoists
- **Midland Industries**
Shackles, Hooks, Clips
- **Johnson Blocks**
Blocks, Swivels, Sheaves
- **Ultra-Safe**
Harnesses, Belts & Lanyards
- **Webtech**
Nylon Slings & Tie-Downs
- **Renfroe**
Plate Clamps & Blocks
- **Dozens of other Domestic Mfg.**

- **Tan Strand Wire Rope**
Exclusive California Agent
- **Weisner Steel Products**
Shackles, Hooks & Clips
- **AMH**
Chain Falls & Lever Pullers
- **Pewag**
Chains & Chain Hardware
- **Yoke**
Rigging Hardware
- **Tractel**
Grip Hoists & Tirfor
- **Rope Block**
Crane Blocks & Sockets
- **Suncor**
Stainless Chain Hardware & Wire Rope
- **Dozens of other Import Mfg.**

SERVICES AVAILABLE ON SITE:

**Spooling
Rigging Inspection**

**Wire Rope Inspection
Splicing**

**Socketing
Safety Seminars**

TONZILLA

500,000 lb Tester

PULL TEST CAPABILITIES

Download **FREE** Tonzilla DVD at www.AZWireRope.com

Structure
60 ft test bed



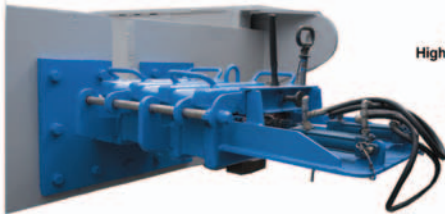
RAM
8" diameter 8' Stroke

Electronics/Software

Offsite viewing from anywhere in the world



Locker Grip
from 1/2" to 2 1/2" capacity



Accuracy to .05%
High Output - to 4 mV/V
Low Deflection
Shunt Calibration



500K LB Electronic Load Cell



50" HD Monitor
with remote cameras

SPOOLING CAPABILITIES



WIRE ROPE SPOOLING SERVICES

SINCE 1945

GANTRY TYPE LOADING ARMS

Can handle reels up to 25,000 pounds effortlessly and without damage to reels, flanges or wire

DISC BRAKE

Provides up to an additional 3,000 lbs. of brake force

HYDRAULIC MOTOR

Provides up to 10,000 lbs. line pull and 5,000 lbs. brake force

REEL

Can handle up to 90" flange diameter by 50" wide with minimum 3-1/8" ID arbor

CONTROL STATION

Telescopic and also with 25' remote control

OUTRIGGERS

Improve stability during spooling and loading

MOTOR/WORKS PLATFORM

Hydraulic sliding platform allows for efficient loading of reels and positions them over and between the rear axles when traveling or spooling



WIRE ROPE SPOOLING SERVICES

- Field installation of end fittings/terminations, and splicing
- Field proof testing of wire rope fittings without damage to wire/fittings (3/8" through 2-1/2" diameter)
- High performance synthetic mooring ropes and tow lines
- General purpose and specialty wire ropes available in imperial and metric diameters for any application
- Rigging items, slings, and all related accessories
- Lifting beams, turn-key rigging packages, and engineering

Our custom-built spooling truck was designed from the ground up to address the correct and efficient installation and removal of wire ropes in the field.

ADVANTAGES:

- Increasing safety through mechanical means
- Maximizing wire rope life through proper selection and installation
- Limiting downtime and overall costs, therefore requiring less labor and man hours than traditional means

Available Upon Request

Crane Signals

HOIST

LOWER

CRANE SIGNALS FOR A TELESCOPING BOOM

CRANE SAFETY RULES

- Crane operator will follow signals **ONLY** from designated signalman, except for STOP signal, which can be given by anyone.
- Cranes must be operated **ONLY** by those authorized for the particular crane involved.
- Never carry a load over personnel or move under a suspended load.
- Inspect condition of crane at start of each shift.
- Never operate a faulty crane.
- Inspect load and hookup before hoisting.
- Report all accidents or near misses immediately.

REFERENCE CARD

ROPE DIAMETER (INCHES)	WLL XIPS WIRE ROPE SLINGS				RATED CAPACITY IN TONS OF 2,000 lbs.		
	1 LEG		2 LEG BRIDLE				
	VERTICAL	CHOKER	VERTICAL BASKET	VERTICAL	Degrees from Horizontal		
3/8	1.4	1.1	2.9	2.9	2.5	2.0	1.4
7/16	1.9	1.4	3.9	3.9	3.4	2.7	1.9
1/2	2.5	1.9	5.1	5.1	4.4	3.6	2.5
9/16	3.2	2.4	6.4	6.4	5.5	4.5	3.2
5/8	3.9	2.9	7.8	7.8	6.8	5.5	3.9
3/4	5.6	4.1	11	11	9.7	7.9	5.6
7/8	7.6	5.6	15	15	13	11	7.6
1	9.8	7.2	20	20	17	14	9.8
1-1/8	12	9.1	24	24	21	17	12
1-1/4	15	11	30	30	26	21	15
1-3/8	18	13	36	36	31	25	18
1-1/2	21	16	42	42	37	30	21

RATED CAPACITIES BASKET HITCH BASED ON D/D RATIO OF 3:1. RATED CAPACITIES BASED ON PIN DIAMETER NO LARGER THAN NOMINAL EYE WIDTH OR LESS THAN THE NOMINAL SLING DIAMETER. RATED CAPACITIES BASED ON DESIGN FACTOR OF 5. HORIZONTAL SLING ANGLES LESS THAN 30 DEGREES SHALL NOT BE USED.

FLAT EYE & TWISTED EYE	NYLON WEB SLINGS 2 PLY HEAVY DUTY			ALLOY STEEL CHAIN GRADE 80		FORGED SHACKLES	
	VERTICAL	CHOKER	BASKET	CHAIN STOCK (INCHES)	WLL POUNDS	BODY DIAM.	SWL TONS
1"	3,200	2,500	6,400	1/4	3,500	3/8	1
2"	6,400	5,000	12,800	5/8	18,100	1-1/4	12
3"	8,600	6,900	17,200	3/4	28,300	1-3/8	13.5
4"	11,500	9,200	23,000	7/8	34,200	1-1/2	17
5"	13,600	10,900	27,200	1	47,700	1-3/4	25
6"	16,300	13,000	32,600			2	35

BEFORE USE INSPECT ALL CHAIN SLINGS. CHECK LINK BY LINK AND ALL ATTACHMENTS FOR EXCESSIVE CORROSION, THROAT SPREAD IN HOOK OPENINGS, BENT OR TWISTED LINKS, CRACKS, GOUGES AND WEAR.

POLYESTER ROUND-SLINGS WLL - LBS

PART #	COLOR	VERTICAL	CHOKER	BASKET
FTO-1	Purple	2600	2100	5200
FTO-2	Green/Black	5300	4200	10,600
FTO-3	Yellow	8400	6700	16,800
FTO-4	Tan	10,600	8500	21,200
FTO-5	Red	13,200	10,600	26,400
FTO-6	White/Orange	16,800	13,400	33,600
FTO-7	Blue	21,200	17,000	42,400
FTO-8	Grey	31,000	24,800	62,000
FTO-9	Brown	53,000	42,400	106,000
FTO-10	Olive	66,000	52,800	132,000
FTO-11	Black	90,000	72,000	180,000

EYEBOLTS; STANDARD SHANK LENGTHS - PLAIN & SHOULDER PATTERN

Stock Numbers	Dimensions - Inches				WLL - Lbs.			
	Plain Pattern	Shoulder Pattern	Shank Dia. & Thread	Length	Eye I.D.	Eye O.D.	Capacity In a Straight Pull	Capacity At 45° Pull
1	21		1/4"-20	1"	3/4"	1-1/4"	500	125
2	22		5/16"-18	1-1/8"	7/8"	1-1/2"	900	225
3	23		3/8"-16	1-1/4"	1"	1-21/32"	1400	350
4	24		7/16"-14	1-3/8"	1-3/32"	1-27/32"	2000	500
5	25		1/2"-13	1-1/2"	1-3/16"	2-1/16"	2600	650
6	26		9/16"-12	1-5/8"	1-9/32"	2-9/32"	3200	750
7	27		5/8"-11	1-3/4"	1-3/8"	2-1/2"	4000	1000
8	28		3/4"-10	2	1-1/2"	2-13/16"	6000	1500
9	29		7/8"-9	2-1/4"	1-11/16"	3-1/4"	7000	1750
10	30		1"-8	2-1/2"	1-13/16"	3-9/16"	9000	2250
11	31		1-1/8"-7	2-3/4"	2"	4"	12000	2500
12	32		1-1/4"-7	3"	2-3/16"	4-7/16"	15000	3750
14	34		1-1/2"-6	3-1/2"	2-1/2"	5-3/16"	21000	4900

Only shoulder pattern eyebolts shall be used in angular lifts.

METRIC EQUIVALENTS OF STANDARD ROPE SIZES

DIAMETER				CIRCUMFERENCE							
Inches	Mm	Inches	Mm	Inches	Mm	Inches	Mm	Inches	Mm	Inches	Mm
1/8	3.2	5/8	15.9	1 1/4	31.7	3/8	10.0	2	50.8	3 7/8	98.4
5/32	4.0	11/16	17.5	1 3/8	34.9	15/32	12.0	2 1/4	57.1	4 3/8	111.0
3/16	4.8	3/4	19.0	1 7/16	36.5	9/16	15.0	2 3/8	60.3	4 1/2	114.0
7/32	5.6	13/16	20.6	1 1/2	38.1	11/16	17.0	2 1/2	63.5	4 3/4	121.0
1/4	6.3	7/8	22.2	1 3/8	41.3	3/4	20.0	2 3/4	69.8	5 1/8	130.0
5/16	7.9	15/16	23.8	1 11/16	42.9	1	25.4	3	76.2	5 1/4	133.0
3/8	9.5	1	25.4	1 3/4	44.4	1 1/8	28.6	3 1/8	79.4	5 1/2	140.0
7/16	11.1	1 1/16	27.0	1 13/16	46.0	1 3/8	34.9	3 3/8	85.7	5 3/4	146.0
1/2	12.7	1 1/8	28.6	1 7/8	47.6	1 5/8	41.3	3 1/2	88.9	5 7/8	149.0
9/16	14.3	1 3/16	30.2	1 13/16	49.2	1 3/4	44.4	3 3/4	95.2	6 1/8	156.0
				2	50.8					6 1/4	159.0

WIRE ROPE

BRIGHT • GALVANIZED
AIRCRAFT CABLE • STAINLESS
PLASTIC COATED • GUY STRAND
METRIC

HARDWARE

WIRE ROPE CLIPS • SHACKLES
TURNBUCKLES • THIMBLES
WEDGE SOCKETS • EYE BOLTS
SPELTER SOCKETS • MASTER LINKS

BLOCKS & ACCESSORIES

CRANE BLOCKS & SHEAVES
SNATCH BLOCKS • SKOOKUM BLOCK
MANILA ROPE BLOCKS • SWIVELS
OVERHAUL BALLS • INSULATOR LINKS

CARGO TIE-DOWN

CHAINS & BINDERS • CARGO STRAPS
RATCHET STRAPS • CARGO WINCHES
LOAD LOC BARS • TRUCK ROPE
CORNER IRONS • TARPS

ROPE

MANILA • SASH • POLYPROPYLENE
SPECTRA • NYLON • STATIC
SOLID BRAID • TECH-12 • DOUBLE BRAID
AMSTEEL • SAMSON STABLE BRAID

SLINGS

WIRE ROPE • BRAIDED
NYLON WEB • CHAIN • MANILA
2, 3, 4 LEG BRIDLES
WIRE MESH • ROUND POLYESTER
CUSTOM ASSEMBLIES

HOISTS & WINCHES

CHAIN HOISTS • AIR or ELECTRIC HOISTS
LEVER HOISTS • GRIP PULLERS
COME-A-LONGS • HAND WINCHES

FALL PROTECTION

HARNESSES • LANYARDS
RETRACTABLES • LIFE-LINES
ROPE GRABS
REBAR CHAIN ASSEMBLIES

RIGGERS EQUIPMENT

SPUD WRENCHES • PRY BARS
DRIFT PINS • BULL PINS
BOLT BAGS

MISCELLANEOUS

CUTTERS • TESTING
PLATE CLAMPS • ROLL-OFF CABLES
ELECTROLINE • SAFETY GLASSES
HARD HATS • NETS
SWAGE SLEEVES & TOOLS

Entertainment Division

Jack Rubin & Sons

520 Varney Street
Burbank, CA 91502
(818) 562-5100
Fax (818) 562-5101

Utah

Rocky Mountain Wire Rope

2421 South 2570 West
Salt Lake City, UT 8419
(801) 972-4972
Fax (801) 974-0621

Southern California

Jack Rubin & Sons

13103 South Alameda St.
Compton, CA 90222
(310) 635-5407
Fax (310) 632-1177

Nevada

Silver State Wire Rope & Rigging

8740 S. Jones Blvd.
Las Vegas, NV 89139
(702) 597-2010
Fax (702) 896-1977

Arizona

Arizona Wire Rope & Rigging

2339 North 34th Dr.
Phoenix, AZ 85009
(602) 269-7878
Fax (602) 278-5075

Idaho

Treasure Valley

182 North Cloverdale
Boise, ID 83713
(208) 375-9559
Fax (208) 375-9929