

Lowering-in Belts Head Irons Lined Steel Choker Belts Roundslings Rigging Accessories





Code of Ethics

Bishop Lifting Products, Inc. has adopted the Code of Ethics of the Associated Wire Rope Fabricators. We acknowledge that confidence is the focal point of the Nation's business strength and recognize a responsibility to promote ethical business standards within the industry. In pursuit of that goal, the following principals are hereby adopted:

1. The promotion of mutual respect, good will and confidence through integrity and efficient service.
2. Inspiration of confidence in the industry by the general public, customers and suppliers through accommodation to responsive efficiency in marketing channels.
3. Service to the industry.
4. Dedication of individual agreements with customers and suppliers.
5. Provision of sound advice, counsel and service to the customer in selection of materials and manufactured goods best suited to the needs of that purchaser.
6. Observance and general understanding of all phases of the law dealing with business practices of both foreign and domestic exchanges, including proper identification and marking or all products.
7. Appropriate recognition of contributions to business of management, the customer, the investor and the general public.
8. Participation in the civic and political process.

Quality Policy

Bishop Lifting Products, Inc. (BLP) shall continue to promote customer confidence by adhering to the highest levels of business professionalism and by adopting a quality assurance methodology, which embodies quality standards and objectives.

- BLP's quality objectives shall be consistent product reliability and customer satisfaction, achieved by meeting the needs of our customers.
- BLP shall maintain and strive to continuously improve its quality system and realize its quality objectives through vigorous adherence to the quality management system.

Bishop Lifting Products, Inc. Advantages

- ISO9001:2000 certified, audited by DNV
- State of Texas Registered Engineering Company
- In business for over twenty years
- Pipeline product designs over 50 years old
- Fully engineered by our engineering staff
- All components fabricated by BLP
- Made in U.S.A.

Bishop Lifting Products, Inc. is an active member of the American Pipeline Contractors Association, Associated Wire Rope Fabricators, Web Sling and Tie Down Association, Specialized Carriers & Rigging Association, and the Association of Crane and Rigging Professionals.



BLP "Mainline" Lowering-in Belts



Model # BLL – Bishop Lifting Lowering-in Belts

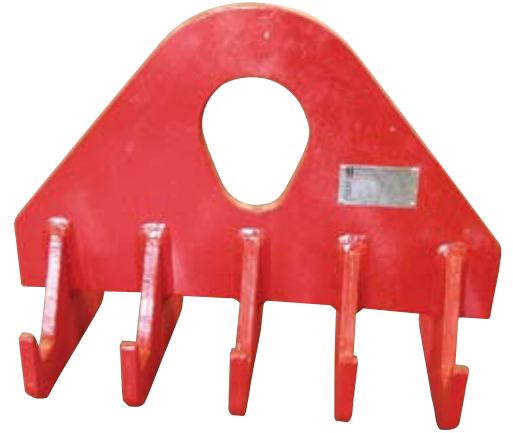
- Experienced, leading belt manufacturer for over 15 years
- Heavy duty nylon webbing for durability and strength
- Alloy steel end irons for greater strength with less weight
- Web coated with heavy duty Yellow Jacket™ Coating
- Orange vinyl tag with clear protective cover to protect data
- End irons painted
- Custom belts available for pipe diameters not listed
- Belts used around the world, in all types of climates, in sizes up to 60" diameter pipe
- Head iron not included as pictured
- Lowering-in belt and head iron sold separately

Part#	Max Pipe Diameter		Belt Width		Belt Length		Approximate Weight		Rated Capacity	
	in	mm	in	mm	ft.-in	m	Lbs.	Kg	Lbs.	Kg
BLL-0212	12"	305	12"	305	4' - 9"	1.45	32	14.5	48,000	21,772
BLL-0418	18"	457	18"	457	7' - 0"	2.13	52	23.6	73,000	33,112
BLL-0420	20"	508	18"	457	7' - 6"	2.29	55	24.9	73,000	33,112
BLL-0524	24"	610	24"	610	8' - 6"	2.59	81	36.7	97,000	43,998
BLL-0630	30"	762	30"	762	10' - 0"	3.05	90	40.8	122,000	55,338
BLL-0736	36"	914	36"	914	11' - 6"	3.51	120	54.4	146,000	66,224
BLL-0742	42"	1067	36"	914	13' - 6"	4.11	135	61.2	146,000	66,224
BLL-0748	48"	1219	36"	914	15' - 0"	4.57	155	70.3	146,000	66,224
BLL-0842	42"	1067	42"	1067	13' - 6"	4.11	150	68.0	171,000	77,564
BLL-0848	48"	1219	42"	1067	15' - 0"	4.57	170	77.1	171,000	77,564
BLL-0948	48"	1219	48"	1219	15' - 0"	4.57	200	90.7	195,000	88,450
BLL-0956	56"	1422	48"	1219	17' - 0"	5.18	222	100.0	195,000	88,450
BLL-1156	56"	1422	56"	1422	17' - 0"	5.18	250	113.0	228,000	103,418
BLL-1160	60"	1524	56"	1422	18' - 0"	5.49	270	122.0	228,000	103,418

- 5 to 1 design factor standard
- 7 to 1 design factors available upon request
- Pipe sizes and lengths not listed available on special request

Designed to meet or exceed: ASME B30.9 Slings
AWS D14.1 Welding Procedures

BLP "Mainline" Head Irons



Model # BLH – Bishop Lifting Head Irons

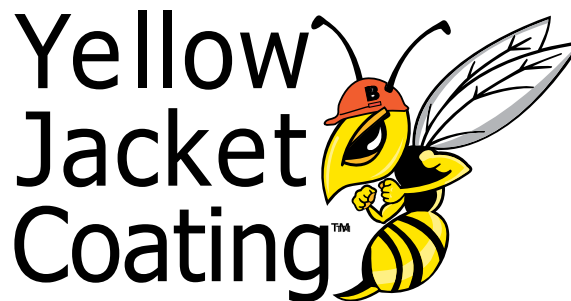
Part#	Fits Lowering-in Belt #	Lifting Eye Size		Approximate Weight	
		in width x length	mm width x length	Lbs.	Kg
BLH-02	BLL-02 Series	5" x 6.5"	127 x 165	45	20
BLH-04	BLL-04 Series	4.75" x 6.25"	121 x 159	78	35
BLH-05	BLL-05 Series	4.75" x 6.25"	121 x 159	110	50
BLH-06	BLL-06 Series	4.75" x 6.25"	121 x 159	147	67
BLH-07	BLL-07 Series	6.5" x 9"	165 x 229	180	82
BLH-08	BLL-08 Series	6.5" x 9"	165 x 229	215	98
BLH-09	BLL-09 Series	6.5" x 9"	165 x 229	230	104
BLH-11	BLL-11 Series	6.5" x 9"	165 x 229	275	125

- 5 to 1 design factor standard
- 7 to 1 design factors available upon request

- Used to suspend lowering-in belts
- Alloy steel bail for greater strength with less weight
- Painted
- Stainless Steel Data Plate
- Easy release hooks on one side
- Lowering-in Belt not included

Designed to meet or exceed: ASME B30.20 Below-the-Hook Lifting Devices
AWS D14.1 Welding Procedures

BLP Yellow Jacket™ Coating



"Don't get stung with standard non-coated webbing"

Heavy Duty Vinyl Coating

- Reduces fraying
- Increases abrasion resistance
- Protects nylon web from moisture and rotting
- Water based, non-hazardous
- Full coated after fabrication — not before

BLP Lined Steel Choker Belt



Model # BLC – Bishop Lifting Lined Steel Choker Belt

- Aligns pipe exactly without slippage for bending, welding, etc.
- Roll pipe, pull pipe, secure extreme bends—all without damage
- Fastest tool available for positioning and handling pipe
- Fully adjustable for coating thickness
- Super Heavy Duty Barrier webbing for increased life and gripping efficiency
- Easily repairable in field for longer life
- Used around the world on pipe up to 60"
- Replacement Parts Available

Part#	Max. Pipe Diameter		Belt Width		Approx Weight		Rated Capacity	
	inches	mm	inches	mm	lbs.	kg	lbs.	kg
BLC-110	10"	254	8"	203	50	23	7,600	3,447
BLC-112	12"	305	8"	203	93	42	7,600	3,447
BLC-114	14"	356	8"	203	109	49	7,600	3,447
BLC-116	16"	406	8"	203	115	52	7,600	3,447
BLC-118	18"	457	8"	203	120	54	7,600	3,447
BLC-120	20"	508	8"	203	125	57	7,600	3,447
BLC-124	24"	607	8"	203	158	60	16,800	7,620
BLC-126	26"	660	8"	203	137	62	16,800	7,620
BLC-128	28"	711	8"	203	140	64	16,800	7,620
BLC-130	30"	762	8"	203	142	64	16,800	7,620
BLC-136	36"	660	8"	203	160	73	16,800	7,620
BLC-140	40"	1016	8"	203	190	86	21,400	9,707
BLC-142	42"	1067	8"	203	200	91	21,400	9,707
BLC-148	48"	1219	8"	203	210	95	21,400	9,707
BLC-156	56"	1422	8"	203	225	102	27,200	12,338
BLC-160	60"	1524	8"	203	235	107	27,200	12,338

- 5 to 1 design factor standard
- 7 to 1 design factors available upon request
- Higher capacities available on special request

Designed to meet or exceed: ASME B30.9 Slings, B30.20 Below-the-Hook Lifting Devices
AWS D14.1 Welding Procedures



BLP Roundsling



Model # BLR – Bishop Lifting Roundsling

- Double Polyester Tubing for better abrasion resistance, and easier inspection
- Orange Vinyl Tag with Clear Vinyl Cover to protect data
- Vinyl tag sewn on a Cordura Sleeve that allows the tag to float freely around the sling
- Individually packaged for better storage

Part No.		Color	Approx Dia.	Wt. per foot	Vertical Hitch	Choke Hitch	Vertical Basket Hitch
Model	Length ft.		Inch	Lbs.	Lbs.	Lbs.	Lbs.
BLR1	*	Purple	.60	.30	2,600	2,100	5,200
BLR2	*	Green	.80	.40	5,300	4,200	10,600
BLR3	*	Yellow	1.00	.50	8,400	6,700	16,800
BLR4	*	Tan	1.20	.65	10,600	8,500	21,200
BLR5	*	Red	1.30	.80	13,200	10,600	26,400
BLR6	*	White	1.45	1.00	16,800	13,400	33,600
BLR7	*	Blue	1.55	1.20	21,200	17,000	42,400
BLR8	*	Orange	1.75	1.50	25,000	20,000	50,000
BLR9	*	Gray or Orange	1.95	2.00	31,000	24,800	62,000
BLR10	*	Orange	2.35	2.80	40,000	32,000	80,000
BLR11	*	Brown	3.15	3.60	53,000	42,400	106,000
BLR12	*	Olive	3.95	4.60	66,100	52,800	132,000
BLR13	*	Black	4.50	5.60	90,000	72,000	180,000

- 5 to 1 design factor standard
- 7 to 1 design factors available upon request

* Customer to specify length

Designed to meet or exceed: ASME B30.9 Slings



BLP TPXC



Twin-Path® Extra Sling with CoverMax® and K-SPEC® Core Yarn TPXC

US Patent #4,850,629, #5,651,572
CN #1,280,458, #2,195,393
Italy #97300367.6
Japan # 2929431
Australia # 707924

This is the world's first truly ergonomic sling. It has a bulked nylon outer cover for superior abrasion resistance. These are made in sizes up to 500,000 lbs. vertical rated capacity. Larger capacity slings are available on special order. Extra Heavy Duty Covermax® is standard on 40,000 lb. vertical capacity and higher. These slings have overload tell-tails, inner red cover, and are used worldwide in place of wire rope slings for heavy lifts. They are about 10% of the weight of a steel sling. These products are repairable. The Twin-Path® patented

design provides the rigger with two connections between the hook and the load for redundant back-up protection. These slings have 1% stretch at rated capacity compared to braided polyester round slings which can stretch up to 9%. If ergonomics, productivity and safety are important, then these slings are the only choice. This is the lightest and strongest sling on the market today with K-Spec® the longest lasting load bearing core yarn, backed by independent testing. All slings have fiber optic internal inspection system.

Part No.		Rated Capacities in lbs.				Approx Weight @ Ft.'	Approx Body Width"
Model No.	Length feet	Choker	Vertical	Basket	60° Basket		
TPXC1000	*	8,000	10,000	20,000	17,320	.31	1.5-3"
TPXC1500	*	12,000	15,000	30,000	25,980	.40	1.5-3"
TPXC2000	*	16,000	20,000	40,000	34,640	.55	1.5-3"
TPXC2500	*	20,000	25,000	50,000	43,300	.65	2-4"
TPXC3000	*	24,000	30,000	60,000	51,960	.80	2-4"
TPXC4000	*	32,000	40,000	80,000	69,280	1.12	2.5-5"
TPXC5000	*	40,000	50,000	100,000	86,139	1.50	2.5-5"
TPXC6000	*	48,000	60,000	120,000	103,920	1.60	2.5-5"
TPXC7000	*	56,000	70,000	140,000	121,240	1.68	3-6"
TPXC8500	*	68,000	85,000	170,000	147,220	1.85	3-6"
TPXC10000	*	80,000	100,000	200,000	173,200	2.20	3-6"
TPXC12500	*	100,000	125,000	250,000	216,500	3.00	4-8"
TPXC15000	*	120,000	150,000	300,000	259,800	3.36	4-8"
TPXC17500	*	140,000	175,000	350,000	303,100	4.00	5-10"
TPXC20000	*	160,000	200,000	400,000	346,400	4.37	5-10"
TPXC25000	*	200,000	250,000	500,000	433,000	5.50	6-12"
TPXC30000	*	240,000	300,000	600,000	519,600	7.50	6-12"

- 5 to 1 design factor standard
- 7 to 1 design factors available upon request

* Customer to specify length

BLP Twisted Eye Nylon Web Sling



Model # BLT – Bishop Lifting Twisted Eye Nylon Web Sling

- Heavy Duty Nylon Webbing with UV inhibitors
- Orange Vinyl Tag, with Clear Vinyl Cover to protect the data
- Twisted eyes form a tight choke on pipe

Part#	Pipe Dia.	Web Width	Length	Choker Capacity	Wt. Each
2 Ply	inches		ft. / in	in lbs.	
BLT-4206	6"	4"	3' 6"	8,800	1.5
BLT-4212	12"	4"	5' 6"	8,800	2.5
BLT-4218	18"	6"	7' 0"	13,200	5
BLT-4220	20"	6"	7' 6"	13,200	5.5
BLT-4224	24"	6"	8' 6"	13,200	6
BLT-4230	30"	8"	10' 6"	18,200	10
BLT-4236	36"	8"	12' 0"	18,200	12
BLT-4242	42"	10"	14' 0"	22,720	16
BLT-4248	48"	10"	15' 6"	22,720	18
BLT-4256	56"	12"	17' 6"	27,280	24
BLT-4260	60"	12"	18' 6"	27,280	26

Part#	Pipe Dia.	Web Width	Length	Choker Capacity	Wt. Each
3 Ply	inches		ft. / in	in lbs.	
BLT-4306	6"	4"	3' 6"	13,200	2
BLT-4312	12"	4"	5' 6"	13,200	3
BLT-4318	18"	6"	7' 0"	19,800	7
BLT-4320	20"	6"	7' 6"	19,800	7.5
BLT-4324	24"	6"	8' 6"	19,800	8.5
BLT-4330	30"	8"	10' 6"	23,300	14
BLT-4336	36"	8"	12' 0"	23,300	16
BLT-4342	42"	10"	14' 0"	34,000	23
BLT-4348	48"	10"	15' 6"	34,000	26
BLT-4356	56"	12"	17' 6"	40,900	35
BLT-4360	60"	12"	18' 6"	40,900	37

BLP Nylon Web Sling w/ Alloy Steel Choker Fittings



Model # BLS – Bishop Lifting Nylon Web Sling w/ Alloy Steel Choker Fittings

- Heavy Duty Nylon Webbing with UV inhibitors
- Alloy Steel End Fittings
- Orange Vinyl Tag, with Clear Vinyl Cover to protect the data
- Steel end fittings increase the life of the sling

Part# 2 Ply	Pipe Dia.	Web Width	Length	Choker Capacity	Wt. Each
	inches		ft. - in	in lbs.	
BLS-1206	6"	4"	3' 6"	8,800	13
BLS-1212	12"	4"	5' 6"	8,800	15
BLS-1218	18"	6"	7' 0"	13,200	19
BLS-1220	20"	6"	7' 6"	13,200	21
BLS-1224	24"	6"	8' 6"	13,200	23
BLS-1230	30"	8"	10' 6"	18,200	36
BLS-1236	36"	8"	12' 0"	18,200	38
BLS-1242	42"	10"	14' 0"	22,720	44
BLS-1248	48"	10"	15' 6"	22,720	46
BLS-1256	56"	12"	17' 6"	27,280	76
BLS-1260	60"	12"	18' 6"	27,280	82

Part# 3 Ply	Pipe Dia.	Web Width	Length	Choker Capacity	Wt. Each
	inches		ft. / in	in lbs.	
BLS-1306	6"	4"	3' 6"	13,200	16
BLS-1312	12"	4"	5' 6"	13,200	17
BLS-1318	18"	6"	7' 0"	19,800	31
BLS-1320	20"	6"	7' 6"	19,800	32
BLS-1324	24"	6"	8' 6"	19,800	33
BLS-1330	30"	8"	10' 6"	23,300	52
BLS-1336	36"	8"	12' 0"	23,300	54
BLS-1342	42"	10"	14' 0"	34,000	74
BLS-1348	48"	10"	15' 6"	34,000	77
BLS-1356	56"	12"	17' 6"	40,900	110
BLS-1360	60"	12"	18' 6"	40,900	112



Inspection & Removal Criteria

(from ASME B30.9)

Synthetic Slings, Roundslings and Pipeline Belts

Inspection Guidelines

Initial Inspection

Prior to use, all new, altered, modified, or repaired slings shall be inspected by a designated person to verify compliance with the applicable provisions of ASME B30.9.

Frequent Inspection

A Visual inspection for damage shall be performed by the user or other designated persons each day or shift the sling is used. Slings having conditions such as those listed below in removal criteria shall not be returned to service until approved by a qualified person. Written records are not required for frequent inspections

Periodic Inspection

A complete inspection for damage to the sling shall be periodically performed by a designated person. Each sling and component shall be examined individually, taking care to expose and examine all surfaces. The sling shall be examined for conditions listed below. Periodic inspections intervals shall not exceed 1 year. The frequency of periodic inspections should be based on:

1. frequency of sling use
2. severity of service conditions
3. nature of lifts being made
4. experience gained on the service lift of slings used in similar circumstances

Guidelines for the time intervals are:

- Normal Service – yearly
- Severe Service – monthly to quarterly
- Special Service – as recommended by a qualified person

Removal

All synthetic webbing, roundslings, or belts shall be removed from service if any of the following conditions exist.

- Missing or Illegible sling identification
- Acid or caustic burns
- Melting, charring, or heat damage of any part of the sling
- Holes, tears, cuts, or snags
- Broken or worn stitching in load bearing splices
- Weld splatter exposes core yards, or melts webbing
- Excessive abrasive wear
- Knots in any part of the sling
- Discoloration and brittle of stiff areas on any part of the sling, which may be an indication of chemical or ultraviolet/sunlight damage
- Fittings that are pitted, corroded, cracked, bent, twisted, gouged, or broken
- Other conditions, including visible damage, that cause doubt as to the continued use of the sling

Environmental Effects

Polyester and nylon web and roundslings shall not be used in contact with an object or at temperatures in excess of 194°F (90°C) or below -40°F (-40°C).

Slings should be stored in an area where they will not be subjected to mechanical, chemical, or ultraviolet damage or extreme temperatures.

When extensive exposure to sunlight or ultraviolet light is experienced by nylon or polyester slings, the sling manufacturer should be consulted for recommended inspection procedure.

Safe Use Instructions

(from ASME B30.9)

Synthetic Slings, Roundslings and Pipeline Belts

Rigging Practices

- Slings shall be shortened or adjusted only by methods approved by the sling manufacturer or a qualified person.
- Slings shall not be shortened or lengthened by knotting or twisting.
- The sling shall be hitched in a manner providing control of the load.
- Sharp edges in contact with the sling should be padded with material of sufficient strength to protect the sling.
- Shock loading should be avoided.
- Loads should not be rested on the sling.
- Slings should not be pulled from under a load when the load is resting on the sling.
- Twisting shall be avoided.
- During lifting, with or without load, personnel shall be alert for possible snagging.
- In a basket hitch, the load should be balanced to prevent slippage.
- When using a basket hitch, the legs of the sling should contain or support the load from the sides, above the center of gravity, so that the load remains under control.
- Slings should not be dragged on the floor or over an abrasive surface like a gravel road, or concrete.
- In a choker hitch, the choke point should only be on the sling body, not on a splice or fitting.
- In a choker hitch, an angle of choke less than 120 degrees should not be used without reducing the rated load. (consult manufacturer)
- Slings should not be constricted, bunched, or pinched by the load, hook, or any fitting.
- The load applied to the hook should be centered in the base of the hook to prevent point loading on the hook, unless the hook is designed for point loading.
- An object in the eye of the sling should not be wider than one-half the length of the eye.

Special Recommendations

- Extended exposure to high temperatures may cause the Yellow Jacket Vinyl Coating to become tacky when rolling and unrolling belts.
- Exposure to low temperatures will considerably reduce the flexibility of the Lowering-in belts.
- If a Lowering-in Belt or Lined Steel Choker belt is damaged, return it to your distributor for possible repair. In most cases, the End Irons used on the Lowering-in belts can be tested, and reused.



Rigging Accessories

Slings



Tie-Down Equipment



Campbell[®]

Wire Rope & Lubricants



Rigging Hardware



the **Crosby** group, inc.



Lowering-in Belts

Head Irons

Lined Steel Choker Belts

Roundslings

Rigging Accessories



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