RENFROE TOO

SHEAVES

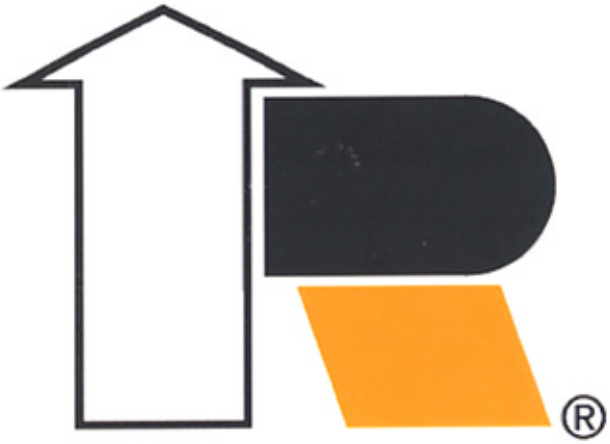
SNATCH BLOCKS

CRANE BLOCKS

ROLLER BEARING SWIVELS

RENFROE SKATE

ANGULAR CONTACT BEARING SWIVELS



NYLON WHEELED LOAD MOVER

LOAD WEIGHING TONGS

LOAD WEIGHING SHAPE LIFTERS

LOAD WEIGHING BLOCK

LOAD LIMITER

HYDRAULIC TOE JACKS

All roads lead to Renfroe!!!

Benefits of Cold Roll Forming:

- No costly casting molds. As a result of utilizing our cold-forming process, tooling costs are relatively low, especially considering the mold cost can be amortized over any quantity of sheaves purchased.
- Cold roll forming prevents pores, cracks, and lack of uniformity that is normally found in cast sheaves.
- This process results in a lighter sheave; as much as 50% less than cast or forged sheaves.
- Produces a smooth groove which helps increase the life of the wire rope.
- The Brinell hardness of the groove, generated by the cold forming process of rolled steel, is higher than the initial raw material used.
- As a result of a lighter weight sheave, there is less slippage of the wire rope at start up, thus increasing the life of the sheave.
- This manufacturing process reduces the lead time for special orders.

Cold - Forming Process
Features and Benefits

Model A Sheave

Model A sheaves are manufactured utilizing a cold roll forming process which results in the production of a consistently high quality wire rope sheave.

The sheave profile is formed against the edge of a rotating disk, forcing a series of hardened rollers against the edge of the rotating disk. Gradually, the sheave is formed to specification by our custom-designed machinery. The hub is then pressed into place and welded. The process is completed with machining, sandblasting, and painted

Model A sheaves have a Brinell hardness number of 200-250 HB, but upon special order can be supplied with a Brinell hardness number of 300-350 HB.

Model A sheaves are available in sizes from 8 in. O.D. to 23 in. O.D.

Model C Sheave

Model C sheaves are manufactured by first fabricating the rim by curving and forming rolled steel into the desired wire rope groove. Then the rim is assembled with two steel plates, a hub and welded. The process is completed with machining, sandblasting and painted.

Model C sheaves have a Brinell hardness number of 200-250 HB, but upon special order can be supplied with a Brinell hardness number of 300-350 HB.

Model C sheaves are available in sizes from 15 in. O.D. to 200+ in. O.D.

Applicable To Both Models

All sheaves are built with stepped hubs to eliminate stress failure in the weld. We are assured of very reliable welds by using a computer controlled Submerged Arc Welding (SAW) process. The precision aligned hub/sheave wheel combination adds to the bearing life and keeps the sheave on the job longer.

Sheave Product Applications

- Crane Blocks
- Overhead Cranes
- Railroad Car Pullers
- Seaport Cranes
- Pulpwood Yard Cranes
- Draglines
- Mining Equipment
- Any Place Wire Rope Is Used
- Oil Field
- OEMs

General Inspection Recommendations

Each individual sheave should be inspected periodically.
They should be examined for the following:

- Groove depth, width and contour.
- Groove smoothness.
- Broken or chipped flanges.
- Cracks in hubs, spokes.
- Signs of rope contact with guards.
- Sheave bearings and shaft.
- Out-of-round condition.
- Alignment with other sheaves.

Sheave Bearing Application Information

Machined Bore (Plain Bore)

- Very slow line speed, very infrequent use, and low load.

Bronze Bushing

- Slow line speed, moderate load and moderate use.

Ball and Roller Bearing

- Faster line speeds, more frequent use, and greater load.

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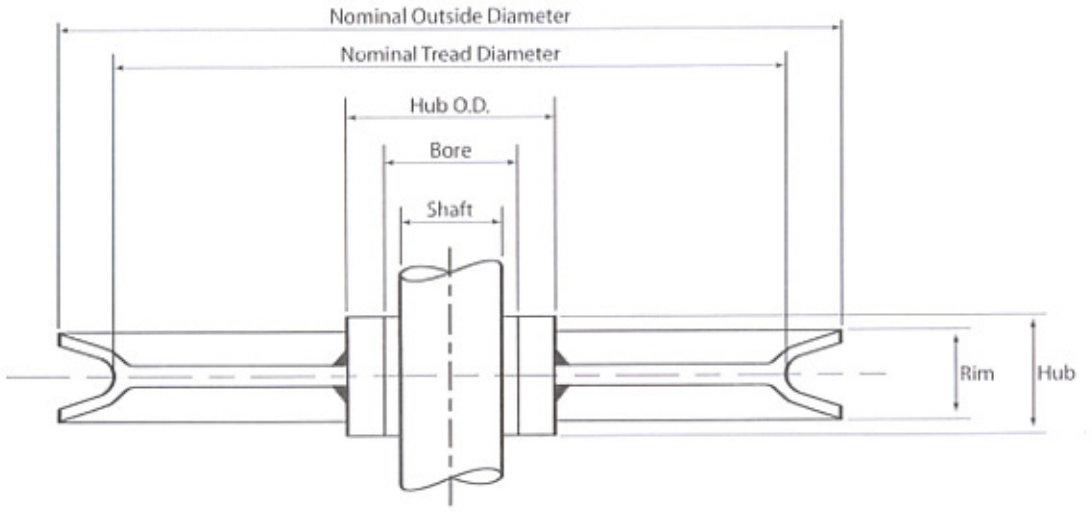
Sheave Model A (Machined Bore)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Bore (min)	Bore (max)	Hub Outside Diameter	Hub Width	Rim Width	Weight (lbs.)
AS06MBSPA	6	5/16	2	5 1/16	1 25/32	2 3/16	3 9/64	1 1/4	61/64	4
AS07MBSPA	7	3/8	3	5 7/8	1 25/32	2 3/16	3 9/64	1 1/4	1 7/64	4
AS08MBSPA	8	7/16	4	6 9/16	1 25/32	2 3/16	3 9/64	1 1/4	1 11/32	9
AS10MBSPA	10	9/16	5	8 17/64	1 25/32	2 3/16	3 9/64	1 1/4	1 21/32	13
AS12MBSPA	12	5/8	8	10 1/8	2 51/64	3 1/4	4 47/64	2	1 7/8	24
AS14MBSPA	14	3/4	10	12	2 51/64	3 1/4	4 47/64	2	2	35
AS16MBSPA	16	7/8	15	13 3/8	2 53/64	3 3/4	5 29/32	2 3/8	2 31/64	57
AS18MBSPA	18	7/8	15	15 3/8	3 11/32	4 1/2	6 19/64	2 3/8	2 31/64	68
AS20MBSPA	20	1	20	17	3 11/32	4 1/2	6 19/64	2 1/2	2 53/64	93

**Shaft size range available*

RENFROETOO
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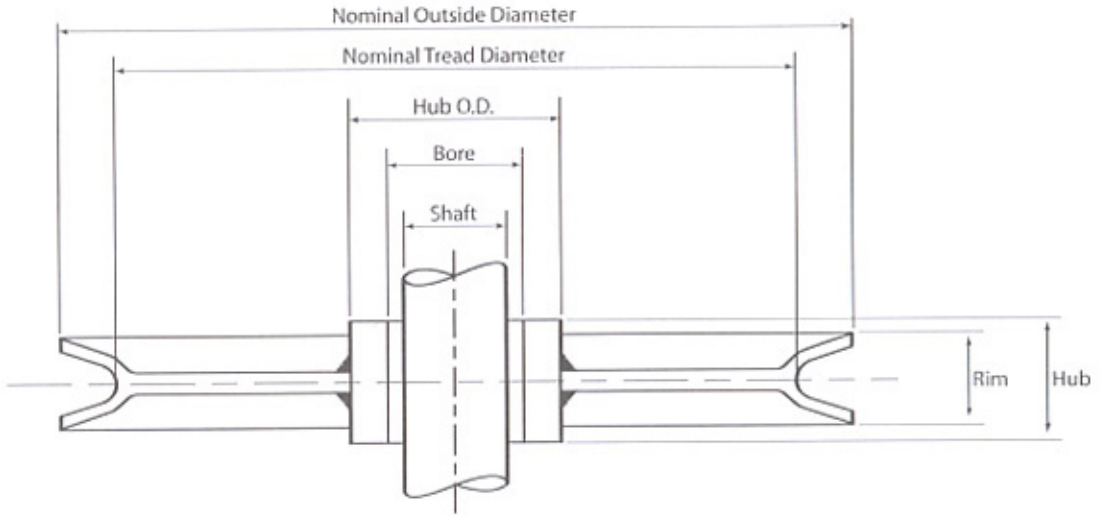
Toll Free 800.874.8454
P: 904.356.4181
F: 904.354.7865

Sheave Model A (Bronze Bushing)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Shaft Size	Bore Size	Hub Width	Rim Width	Weight (lbs.)
AS06BZ15A	6	5/16	2	5 1/16	1 1/2	2 1/8	1 1/4	61/64	4
AS07BZ15A	7	3/8	3	5 7/8	1 1/2	2 1/8	1 1/4	1 7/64	4
AS08BZ15A	8	7/16	4	6 9/16	1 5/8	2 3/16	1 1/4	1 11/32	9
AS10BZ15A	10	9/16	5	8 17/64	1 5/8	2 3/16	1 1/4	1 21/32	13
AS12BZ15A	12	5/8	8	10 1/8	2 1/2	3 1/4	2	1 7/8	24
AS14BZ15A	14	3/4	10	12	2 1/2	3 1/4	2	2	35
AS16BZ15A	16	7/8	15	13 3/8	3	3 3/4	2 3/8	2 31/64	57
AS18BZ15A	18	7/8	15	15 3/8	3 1/4	4 1/4	2 3/8	2 31/64	68
AS20BZ15A	20	1	20	17	3 1/2	4 1/2	2 1/2	2 53/64	93

**Other sizes available, please inquire*

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F: 904.354.7865

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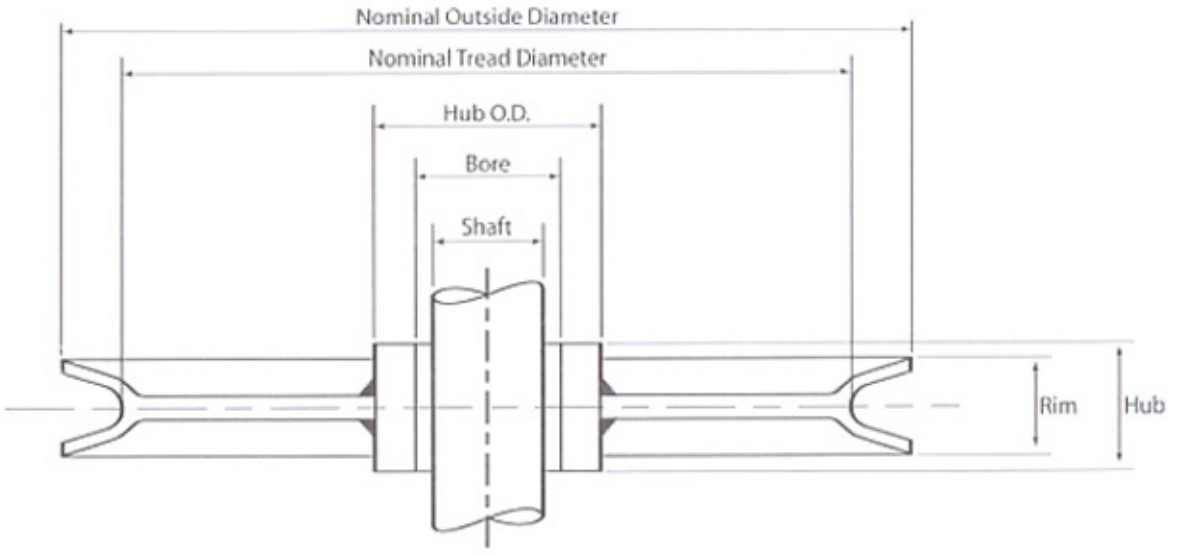
Sheave Model A (Ball Bearing)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Shaft Size	Hub Width	Rim Width	Weight (lbs.)
AS10BB157A	10	3/8	2	8 7/8	1 37/64	1 33/64	17/64	13
AS13BB137A	13	1/2	3.2	11 1/2	2 3/8	1 57/64	2 33/64	26
AS16BB314A	16	5/8	5	14 1/8	3 9/64	2 13/64	1 21/32	41
AS23BB354A	23	7/8	8	20 3/8	3 35/64	2 33/64	2 3/8	100

**Other sizes available, please inquire*

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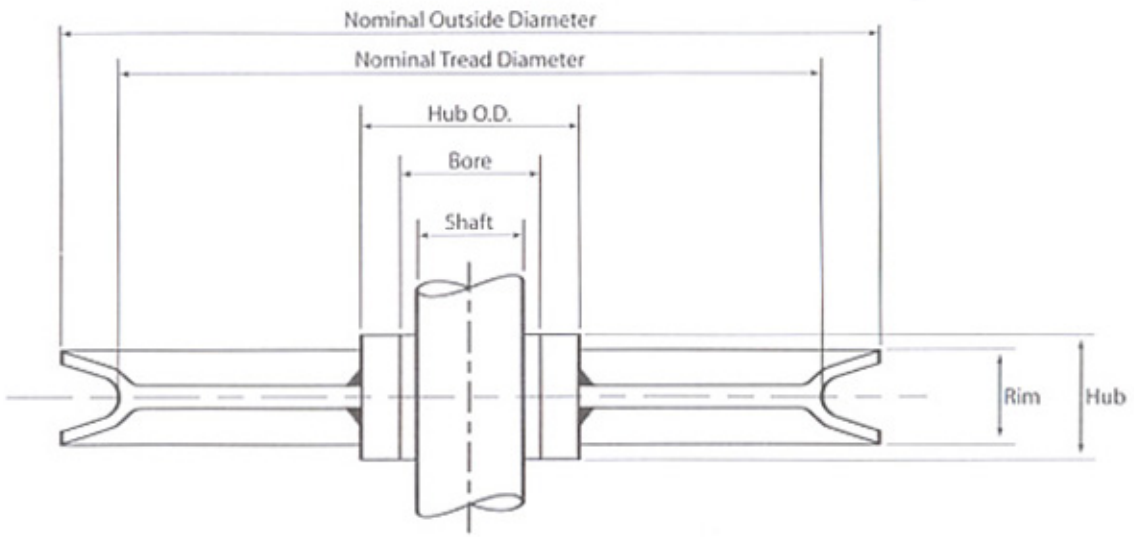
P: 904.356.4181
F: 904.354.7865

Sheave Model C (Machined Bore)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Shaft Size	Bore Size	Nominal Hub Outside Diam.	Hub Width	Rim Width	Weight (lbs.)
CS24MBSPA	24	1 1/8	25	20 47/64	3 1/2	5	7 31/64	3	2 51/64	108
CS26MBSPA	26	1 1/8	25	22 34/4	4	6	8 17/64	3 1/4	2 51/64	139
CS30MBSPA	30	1 1/4	30	26 1/2	5	7	9 27/32	3 1/2	3	183

**Other sizes available, please inquire*
***Model C available thru 200 in. O.D.*

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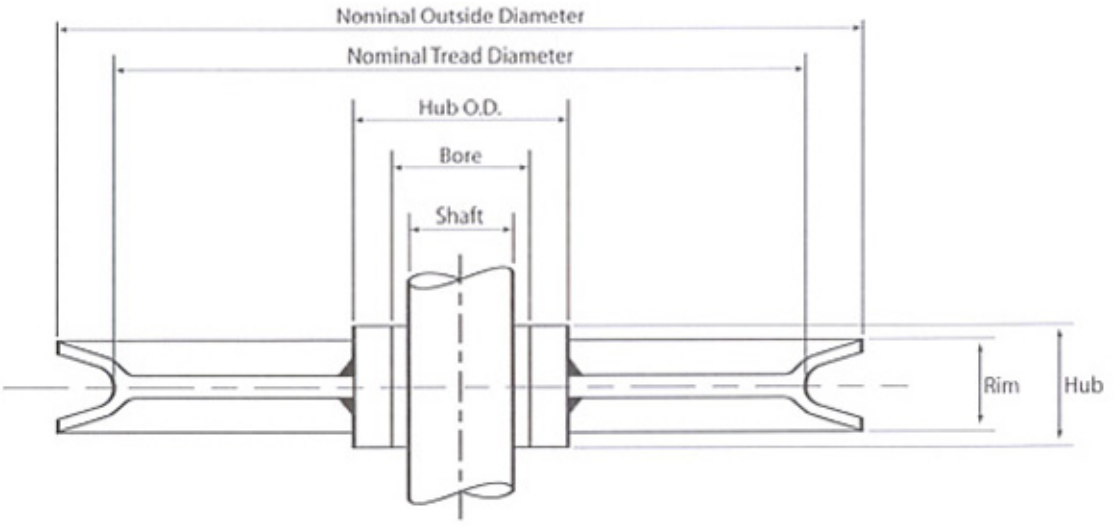
Sheave Model C (Bronze Bushing)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Shaft Size	Bore Size	Nominal Hub Outside Diam.	Hub Width	Rim Width	Weight (lbs.)
CS24BZ350A	24	1 1/8	25	20 47/64	3 1/2	5	7 31/64	3	2 51/64	108
CS26BZ400A	26	1 1/8	25	22 3/4	4	6	8 17/64	3 1/4	2 51/64	139
CS30BZ500A	30	1 1/4	30	26 1/2	5	7	9 27/32	3 1/2	3	183

**Other sizes available, please inquire*
***Model C available thru 200 in. O.D.*

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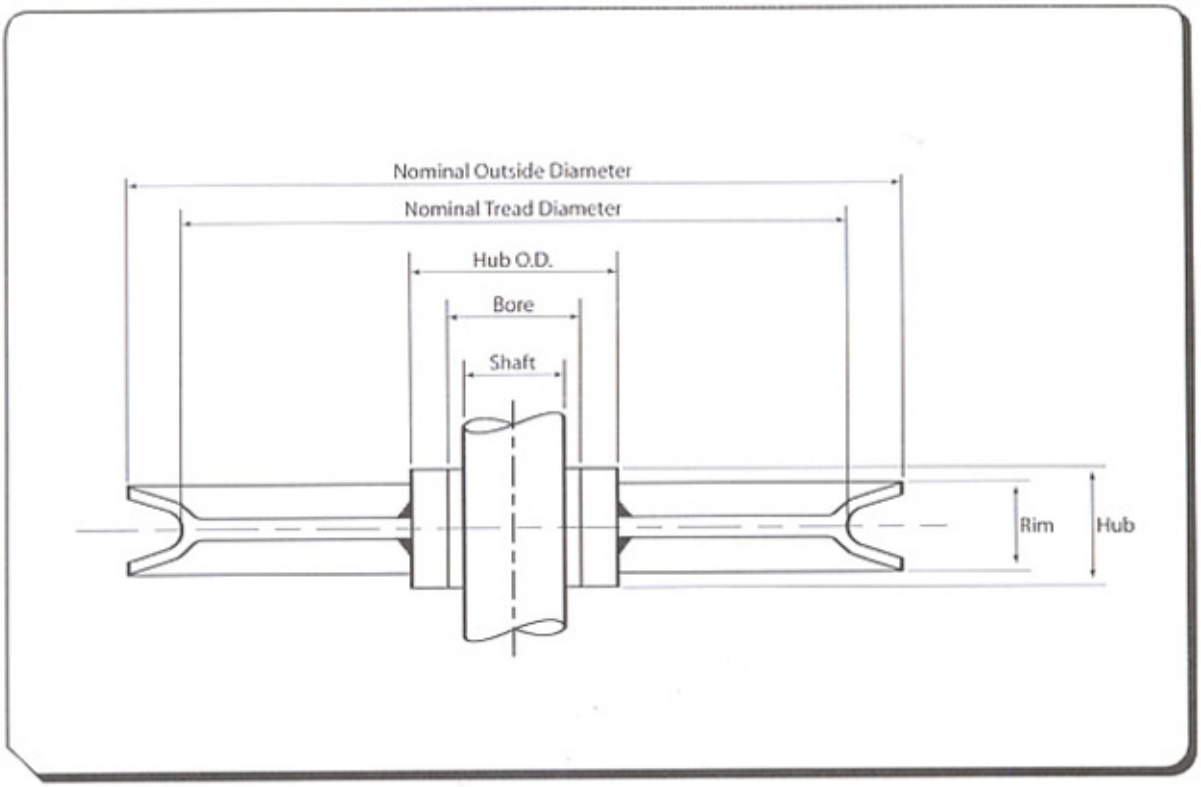
Sheave Model C (Roller Bearing)



Technical Data

Part Number	Nominal Outside Diameter	Wire Rope Size (in.)	Load Limit (tons)	Nominal Tread Diameter	Shaft Size	Hub Width Bearings	Bearing Width	Rim Width	Weight (lbs.)
CS26RB393A	26	1	12.5	23	3 15/16	2 1/8	2 41/64	2 9/16	140
CS30RB434A	30	1 1/8	16	26 5/8	4 11/32	2 9/16	3 5/32	2 27/32	188

**Other sizes available, please inquire*
***Model C available thru 200 in. O.D.*

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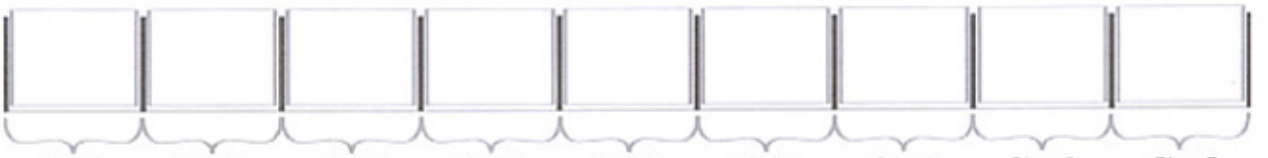
Sheave Inquiry/Order Form

Customer Name		*Date*	
Address	*City*	*State/Zip*	*Country*
Phone	*Fax*	*E-mail*	
Customer Contact Name		*Quantity*	
P.O. Number		*Inquiry Number*	

RENFROETOO, please quote me on the following Sheave

ALL SPACES MUST BE COMPLETED



Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8	Step 9
Sheave O.D.	Wire Line Size	Shaft Size	Bore Type	Bearing Type	Manufacturer Bearing Number	Hub Width	Rim Width	Tread Diameter

M: Machined Bore (furnished without bearing or bushing)
A: Assembly (furnished with bearing or bushing)
BZ: Bronze Bushed
R: Roller Bearing
B: Ball Bearing

Application Information

Line Pull	*Fleet Angle*	*Degree of Wrap*
Line Speed	*Environment*	

Special Requirements

Special Testing
Finish
Third Party Inspection or Approval

Contact your RENFROETOO Distributor for more information

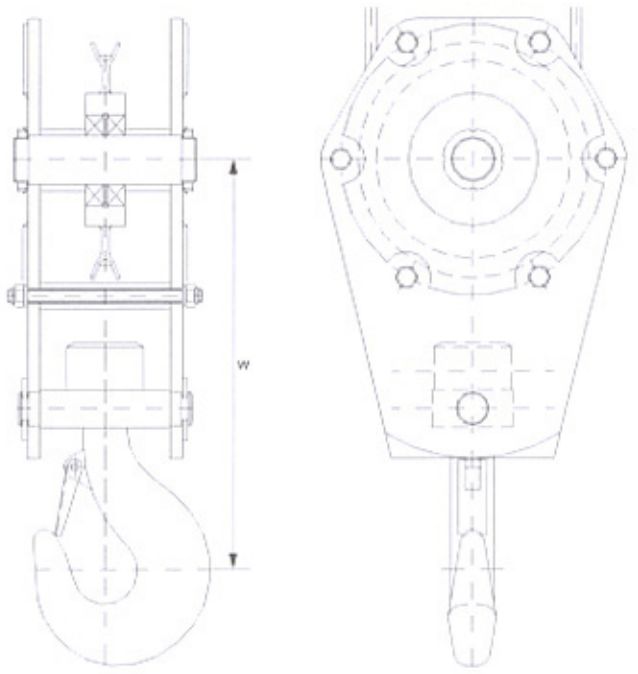
Introduction of RENFROE 7100 Crane and Bridge Crane Blocks

In order to address the lifting market for reliable, quality products, J. C. Renfroe & Sons has included blocks in its initial product line launch. These blocks are highlighted by the following features ...

- **4 to 1 design factor (unless otherwise noted)**
- **Capacity ranging from 5 to 500 tons**
- **Blocks with sheave sizes ranging from 10 inches to 30 inches**
- **All wire rope sizes available**
- **All blocks are furnished with roller bearings/ball bearings depending on block sizes**
- **Sheaves are protected by side plates**

RENFROETOO

Crane Block (Single Sheave)



Technical Data

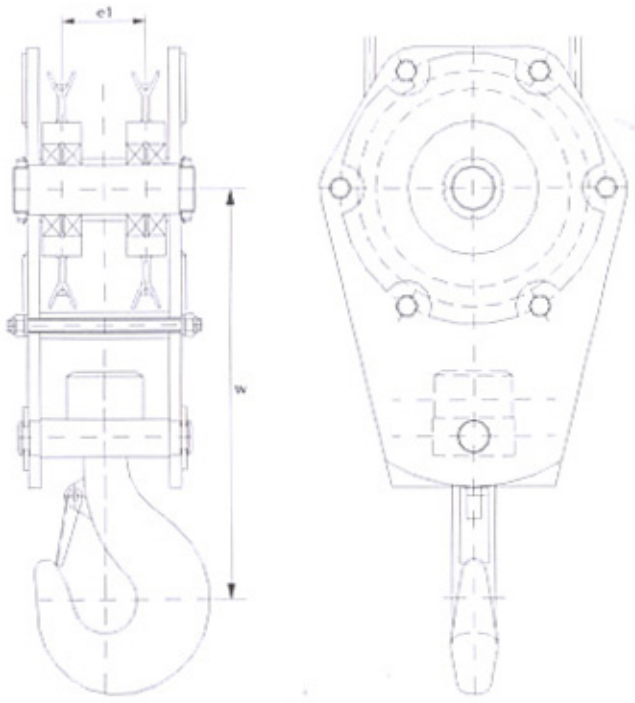
Working Load Limit (Tons)	Sheave Diameter (in.)	w	Weight (lbs.)	List Price
5	16	19	145	P.O.A.
10	26	27	260	P.O.A
15	30	32 1/2	410	P.O.A

P.O.A.- Price On Application

**Crane Blocks available thru 500 tons*

RENFROETOO
www.jcrenfroe.com
Jacksonville, Florida
Toll Free 800.874.8454
P: 904.356.4181
F: 904.354.7865

Crane Block (Double Sheaves)



Technical Data

Working Load Limit (Tons)	Sheave Diameter (in.)	e1	w	Weight (lbs.)	List Price
5	13	2 3/64	17	125	P.O.A.
10	16	2 3/8	20 3/4	250	P.O.A
15	23	2 41/64	28 3/4	550	P.O.A
20	26	3 17/64	30 7/8	730	P.O.A
25	26	4 1/16	32 3/4	1050	P.O.A.
30	30	3 15/16	37 1/4	1250	P.O.A

P.O.A.- Price On Application

**Crane Blocks available thru 500 tons*

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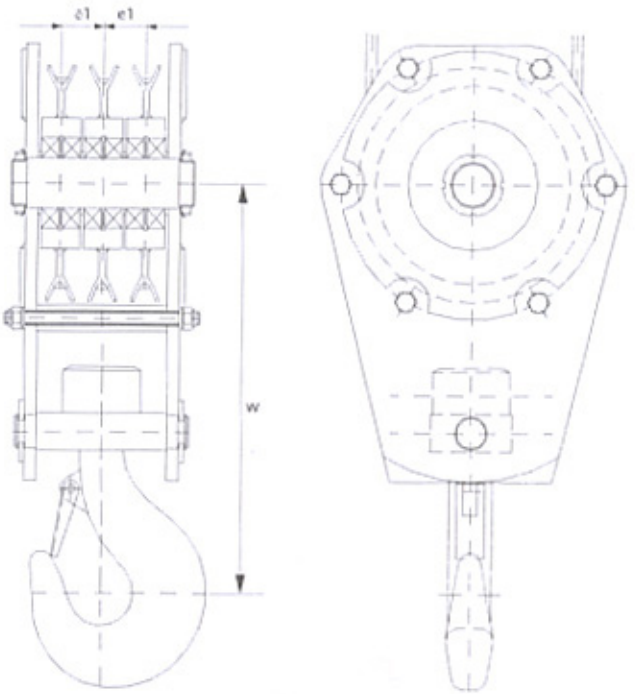
RENFROETOO

Crane Block (Triple Sheaves)



Technical Data

Working Load Limit (Tons)	Sheave Diameter (in.)	e1	w	Weight (lbs.)	List Price
10	13	2 3/64	20 3/4	275	P.O.A
15	23	2 41/64	28 3/4	625	P.O.A
20	23	2 41/64	30 7/8	775	P.O.A
25	26	2 41/64	32 3/4	1100	P.O.A.
30	26	2 41/64	37 1/4	1375	P.O.A

P.O.A.- Price On Application

**Crane Blocks available thru 500 tons*

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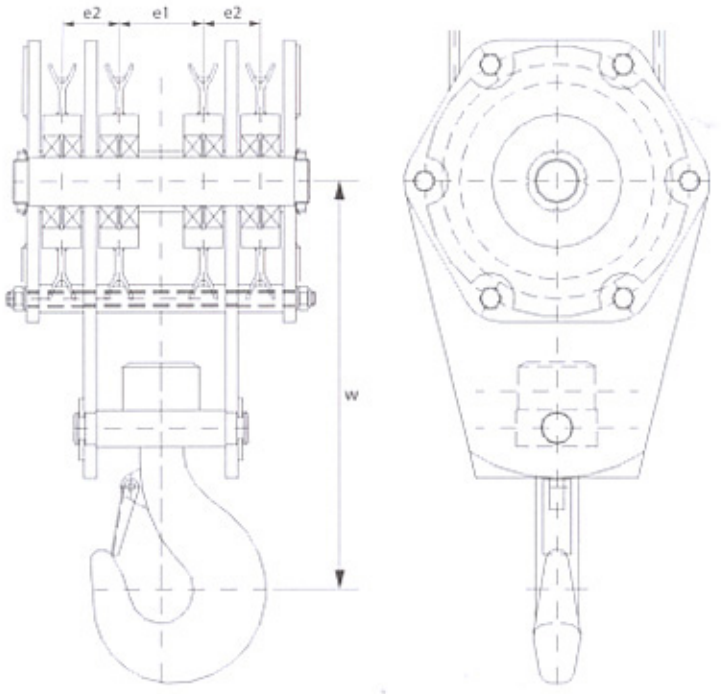
Crane Block (Quad Sheaves)



Technical Data

Working Load Limit (Tons)	Sheave Diameter (in.)	e1	e2	w	Weight (lbs.)	List Price
15	16	3	3 5/16	28 3/4	625	P.O.A
20	16	3 25/32	3 5/16	30 7/8	900	P.O.A
25	23	4 1/4	3 13/16	32 3/4	1350	P.O.A.
30	23	4 21/32	3 13/16	37 1/4	1575	P.O.A

P.O.A. - Price On Application

**Crane Blocks available thru 500 tons*

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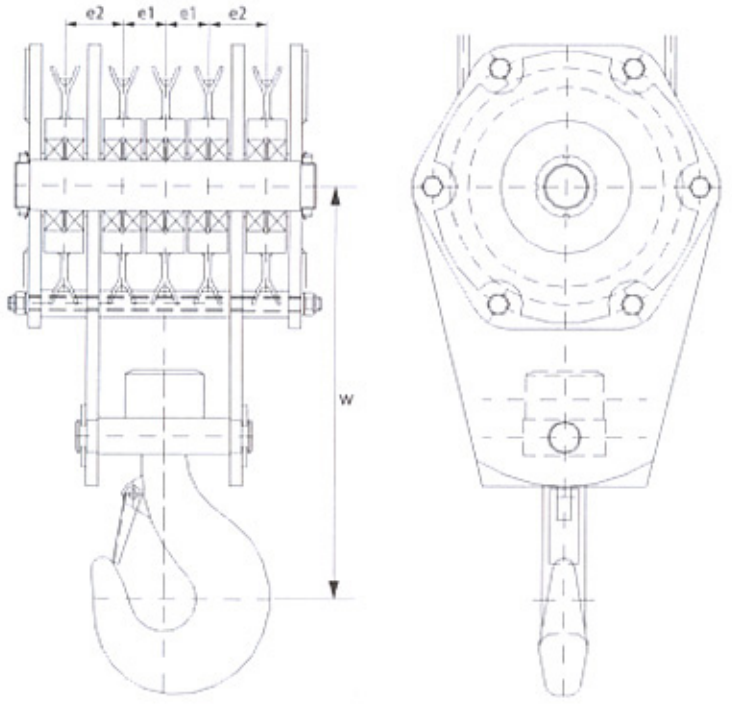
Crane Block (Five Sheaves)



Technical Data

Working Load Limit (Tons)	Sheave Diameter (in.)	e1	e2	w	Weight (lbs.)	List Price
15	13	2 3/64	3	28 3/4	800	P.O.A
20	16	2 3/8	3 5/32	30 7/8	950	P.O.A
25	16	2 3/8	3 23/64	32 3/4	1350	P.O.A.
30	23	2 41/64	3 63/64	37 1/4	1675	P.O.A

P.O.A.- Price On Application

**Crane Blocks available thru 500 tons*

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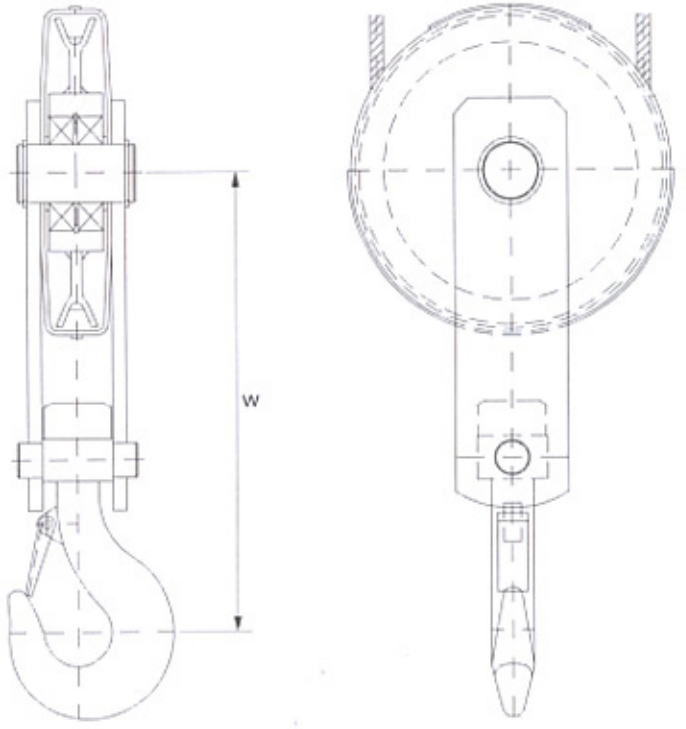
Bridge Crane Block (Single Sheave)



Technical Data

Working Load Limit (Tons)	Wire Rope Size (in.)	Sheave Diameter (in.)	w	Weight (lbs.)	List Price
2	3/8	10	14	25	P.O.A.
3.2	1/2	13	16 1/2	45	P.O.A
5	5/8	16	19	75	P.O.A
8	7/8	23	24 1/2	130	P.O.A
10	1	26	27	220	P.O.A.
12.5	1	26	29	235	P.O.A.
16	1 1/8	30	32 1/2	340	P.O.A.

P.O.A.- Price On Application

**Other sizes available*

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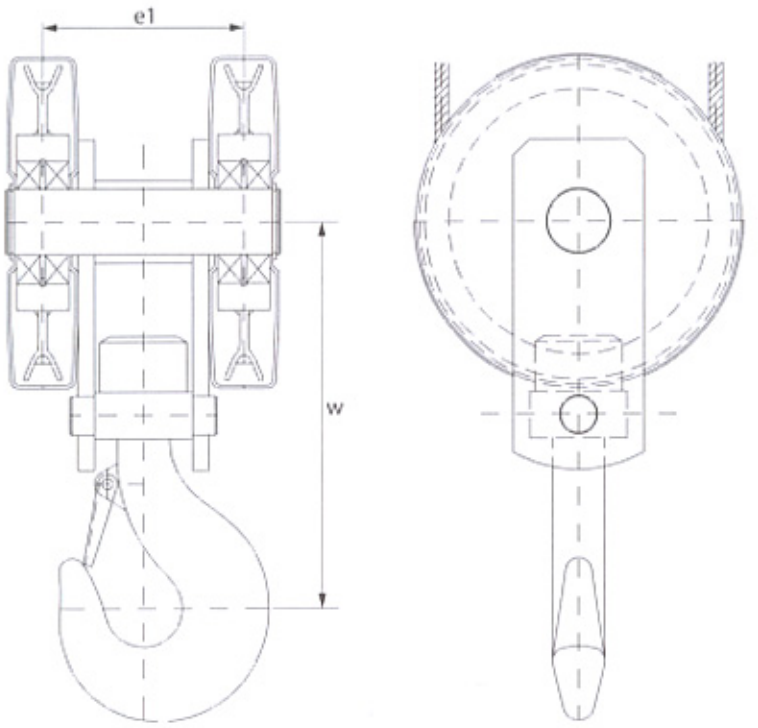
Bridge Crane Block (Double Sheaves)



Technical Data

Working Load Limit (Tons)	Wire Rope Size (in.)	Sheave Diameter (in.)	e1	w	Weight (lbs.)	List Price
5	1/2	13	6 1/2	14	100	P.O.A.
6.3	1/2	13	7 9/32	14 3/4	155	P.O.A
8	5/8	16	7 7/8	16 1/4	170	P.O.A
10	5/8	16	8 1/4	17 1/4	200	P.O.A
12.5	7/8	23	9 41/64	22 3/8	295	P.O.A.
16	7/8	23	10 5/8	23 3/8	415	P.O.A.
20	1	26	11 13/16	26	490	P.O.A.
25	1	26	14	28	640	P.O.A.
30	1 1/8	30	15	32 1/2	900	P.O.A

P.O.A.- Price On Application

**Other sizes available*

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Jacksonville, Florida
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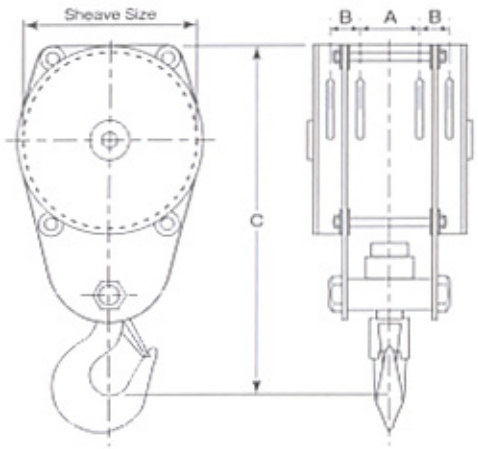
P: 904.356.4181
F: 904.354.7865

RENFROETOO

Block Inquiry/Order Form

Customer Name		*Date*	
Address	*City*	*State/Zip*	*Country*
Phone	*Fax*	*E-mail*	
Customer Contact Name			
P.O. Number		*Inquiry Number*	



For Bridge Crane Blocks Specifications Only

Dimensions: *A:* *B:* *C:*

For All Block Specifications

Sheave Diameter *Number of Sheaves*

Bearing Type

- ☐ *Bronze Bushing*
- ☐ *Roller Bearing*
- ☐ *Ball Bearing*

Block Specifications

Working Load Limit	*Wire Rope Diameter (Size)*
CMMA Rating	

Lower Fitting Type

- ☐ *Single Point Hook*
- ☐ *Swivel Hook*
- ☐ *Other*
- ☐ *Duplex Hook*
- ☐ *Latch*

Application Information

Overhaul Weight Requirements *Lead Line Speed* *Environment*

Special Requirements (For Crane Blocks)

Special Testing
Finish
Third Party Inspection or Approval

Contact:

J.C. Renfroe & Sons, Incorporated
Jacksonville, Florida
Telephone: 904/356-4181
Toll Free: 800-874-8454
Fax: 904/354-7865

www.jcrenfroe.com

RENFROE TOO

SNATCH BLOCKS

- Forged alloy heat treated hooks
- Forged alloy heat treated shackles
- Can be furnished with bronze bushings or roller bearings
- Furnished with hook latch
- Pressure lube fitting (7 1/2 through 15 Ton)
- Opening feature permits insertion of rope while block is suspended
- Hook and shackle blocks have bolt retaining system to assure no lost bolts
- Made in The USA

For further information please contact your Nearest Renfroe distributor or J. C. Renfroe & Sons, Inc.

Features, Advantages and Benefits of a Renfroe Snatch Block

Features	Advantages	Benefits
Moveable Side Plate	Allows rope insertion while hanging	Don't have to disconnect and re-connect wire rope
Forged Alloy Hook	Hook will not break but will straighten-out before failure	Visual sign of overload
Swivel pin stop	Pivot pin will stay in swivel while reeving	No lost pins
Safety Latch	Prevents disconnection from anchor point	Prevents load hook from disconnecting when not under load
Safety Latch	Visual sign of overload	Alerts operator to bad hook
Sheave Pin Diameter	Low surface velocity between sheave and sheave pin	Promotes longer sleeve bearing life
Sheave pin lubrication fitting	Allows lubrication of sleeve bearing without disassembly of snatch block	Reduced friction between sleeve bearing and Sheave pin promoting increased sleeve bearing life
Selective Sheave and swivel pin materials	Reliable material quality	Predictable shear properties
Sheave fleet angle	Wide angle of rope lead in	Promotes increased life of rope
Selective side plate material	Harder material surface	Allows Snatch Block use in adverse conditions
Proof tested	Product integrity	Assures safe operation at WLL

J.C. RENFROE & SONS, INC.

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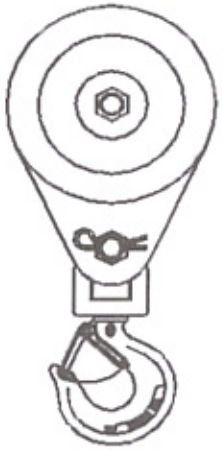
Jacksonville, Florida www.jcrenfroe.com

RENFROE TOO

Snatch Blocks With HOOKS



Working Load Limit Tons	Sheave Size (In)	Wire Rope Size (In)	Weight Each (lbs)	Option 1 with Bronze Bushing	Option 2 with Roller Bearing
2	3"	5/16" - 3/8"	4.5	SB02.0S03BH	-
5	4 1/2"	1/2"	11.5	SB05.S4.5BH	-
7 1/2	6"	3/4"	27	SB07.5S06BH	SB07.5S06RH
7 1/2	8"	3/4"	33	SB07.5S08BH	SB07.5S08RH
7 1/2	10"	3/4"	42	SB07.5S10BH	SB07.5S10RH
7 1/2	12"	3/4"	49	SB07.5S12BH	SB07.5S12RH
7 1/2	14"	3/4"	54	SB07.5S14BH	SB07.5S14RH
12	10"	7/8"	67	SB012.S10BH	SB012.S10RH
12	12"	7/8"	76	SB012.S12BH	SB012.S12RH
12	14"	7/8"	92	SB012.S14BH	SB012.S14RH
12	16"	7/8"	120	SB012.S16BH	SB012.S16RH
15	18"	1"	152	SB015.S18BH	SB015.S18RH
15	20"	1"	185	SB015.S20BH	SB015.S20RH

Snatch Blocks With SHACKLES

Working Load Limit Tons	Sheave Size (In)	Wire Rope Size (In)	Weight Each (lbs)	Option 1 with Bronze Bushing	Option 2 with Roller Bearing
2	3"	5/16" - 3/8"	4.5	SB02.0S03BS	-
5	4 1/2"	1/2"	11.5	SB05.S4.5BS	-
7 1/2	6"	3/4"	27	SB07.5S06BS	SB07.5S06RS
7 1/2	8"	3/4"	33	SB07.5S08BS	SB07.5S08RS
7 1/2	10"	3/4"	42	SB07.5S10BS	SB07.5S10RS
7 1/2	12"	3/4"	49	SB07.5S12BS	SB07.5S12RS
7 1/2	14"	3/4"	54	SB07.5S14BS	SB07.5S14RS
12	10"	7/8"	67	SB012.S10BS	SB012.S10RS
12	12"	7/8"	76	SB012.S12BS	SB012.S12RS
12	14"	7/8"	92	SB012.S14BS	SB012.S14RS
12	16"	7/8"	120	SB012.S16BS	SB012.S16RS
15	18"	1"	152	SB015.S18BS	SB015.S18RS
15	20"	1"	185	SB015.S20BS	SB015.S20RS

Snatch Blocks TAILBOARD

Working Load Limit Tons	Sheave Size (In)	Wire Rope Size (In)	Weight Each (lbs)	Option 1 with Bronze Bushing	Option 2 with Roller Bearing
2	3"	5/16" - 3/8"	3	SB02.0S03BT	-
5	4 1/2"	1/2"	6	SB05.S4.5BT	-
7 1/2	6"	3/4"	15	SB07.5S06BT	SB07.5S06RT
7 1/2	8"	3/4"	21	SB07.5S08BT	SB07.5S08RT
7 1/2	10"	3/4"	29	SB07.5S10BT	SB07.5S10RT
7 1/2	12"	3/4"	36	SB07.5S12BT	SB07.5S12RT

NEED IT NOW!
GET IT NOW!

ROLLER BEARING AND ANGULAR CONTACT BEARING

SWIVELS

FROM

J.C. RENFROE & SONS, INC.

RENFROE*TOO*

01/06

RENFROETOO

Swivel Part Numbers

ANGULAR CONTACT BEARING

SWL TONS	E/H	J/H	E/J	E/E	J/J	J/E
1/2	ACS0050EH	ACS0050JH	ACS0050EJ	ACS0050EE	ACS0050JJ	ACS0050JE
3/4	ACS0075EH	ACS0075JH	ACS0075EJ	ACS0075EE	ACS0075JJ	ACS0075JE
1 1/2	ACS0150EH	ACS0150JH	ACS0150EJ	ACS0150EE	ACS0150JJ	ACS0150JE
3	ACS0300EH	ACS0300JH	ACS0300EJ	ACS0300EE	ACS0300JJ	ACS0300JE
5	ACS0500EH	ACS0500JH	ACS0500EJ	ACS0500EE	ACS0500JJ	ACS0500JE
8 1/2	ACS0850EH	ACS0850JH	ACS0850EJ	ACS0850EE	ACS0850JJ	ACS0850JE
10	ACS1000EH	ACS1000JH	ACS1000EJ	ACS1000EE	ACS1000JJ	ACS1000JE
15	ACS1500EH	ACS1500JH	ACS1500EJ	ACS1500EE	ACS1500JJ	ACS1500JE
35	ACS3500EH	ACS3500JH	ACS3500EJ	ACS3500EE	ACS3500JJ	ACS3500JE

ROLLER BEARING

SWL TONS	E/H	J/H	E/J	E/E	J/J	J/E
1/2	*****	*****	RS0050EJ	RS0050EE	RS0050JJ	RS0050JE
5/8	*****	*****	RS0062EJ	RS0062EE	RS0062JJ	RS0062JE
3/4	*****	*****	RS0075EJ	RS0075EE	RS0075JJ	RS0075JE
1 1/2	RS0150EH	RS0150JH	RS0150EJ	RS0150EE	RS0150JJ	RS0150JE
2	RS0200EH	RS0200JH	RS0200EJ	RS0200EE	RS0200JJ	RS0200JE
3	RS0300EH	RS0300JH	RS0300EJ	RS0300EE	RS0300JJ	RS0300JE
5	RS0500EH	RS0500JH	RS0500EJ	RS0500EE	RS0500JJ	RS0500JE
8 1/2	RS0850EH	RS0850JH	RS0850EJ	RS0850EE	RS0850JJ	RS0850JE
10	RS1000EH	RS1000JH	RS1000EJ	RS1000EE	RS1000JJ	RS1000JE
15	RS1500EH	RS1500JH	RS1500EJ	RS1500EE	RS1500JJ	RS1500JE

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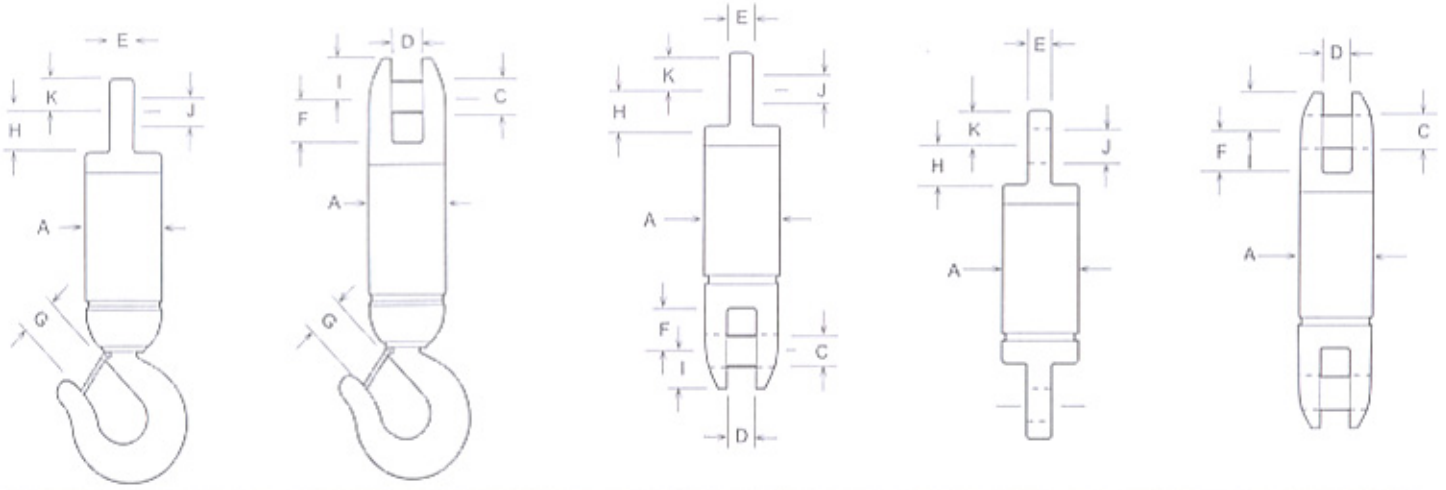
RENFROE TOO



ANGULAR CONTACT BEARING SWIVEL DIMENSIONS

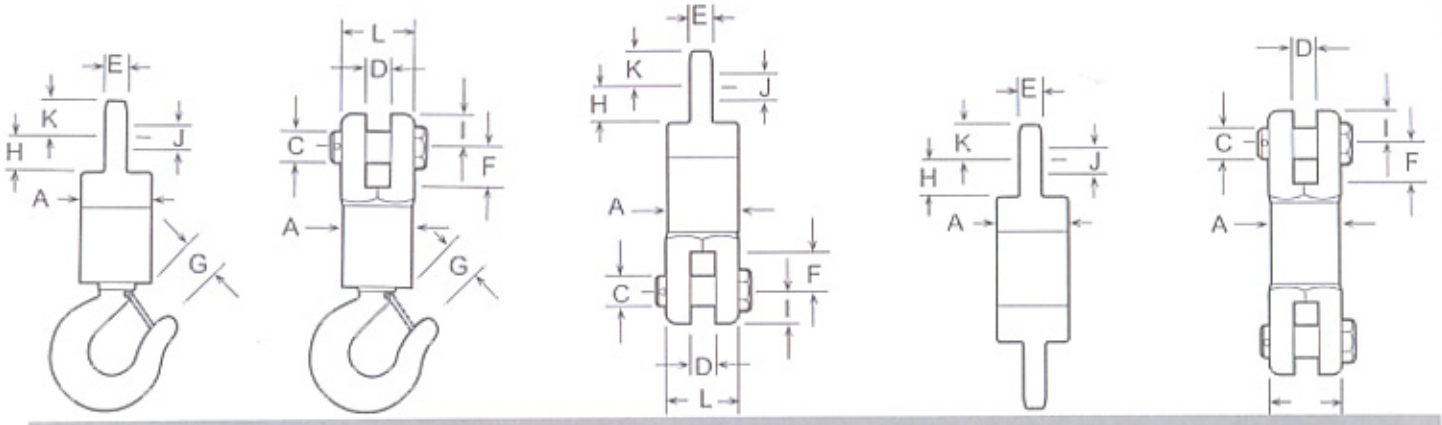
SWL TONS	A	C	D	E	F	G	H	I	J	K
1/2	7/8	5/16	5/16	1/4	15/32	7/8	3/8	3/8	1/4	3/8
3/4	1-1/4	3/8	19/32	5/16	11/16	31/32	1/2	7/16	3/8	7/16
1 1/2	1-1/2	7/16	19/32	1/2	13/16	1	23/32	9/16	5/8	5/8
3	1-7/8	5/8	3/4	3/4	15/16	1-11/32	15/16	13/16	7/8	15/16
5	2-7/16	7/8	1	1	1-9/16	1-11/16	1-5/16	1-1/8	1-1/4	1-3/16
8 1/2	2-7/8	1	1-9/32	1-1/4	2-1/8	2-1/4	1-5/8	1-1/4	1-3/8	1-1/2
10	3-5/8	1-1/2	1-3/4	1-23/32	3-1/2	3	2-27/32	1-3/4	1-5/8	1-13/16
15	3-5/8	1-1/2	1-3/4	2	3-1/2	3	2-25/32	1-3/4	2	2-1/8
25	4-1/2	1-7/8	2	2-1/8	3-11/16	3-1/4	2-7/8	2-3/8	2-1/4	2-3/8
35	5-3/8	2	2	2-1/4	3-11/16	4	3-1/8	2-3/8	2-1/4	2-3/8

OVERALL LENGTH — ALL DIMENSIONS IN INCHES

SWL TONS	EYE &HOOK	JAW & HOOK	EYE & JAW	JAW & EYE	EYE & EYE	JAW & JAW
1/2	5-3/8	5-3/8	3-1/8	3-1/8	3-1/8	3-1/16
3/4	7-1/16	7-1/8	4-9/16	4-9/16	4-9/16	4-1/2
1 1/2	7-7/8	7-13/16	5-1/8	5-1/8	5-1/8	5-1/8
3	10-13/16	10-15/16	7-1/8	7-1/8	7-1/8	7-1/8
5	15-1/4	15-1/4	10-1/2	10-1/2	10-1/2	10-1/2
8 1/2	187/8	18-7/8	12-7/16	12-7/16	12-7/16	12-7/16
10	24-15/16	24-15/16	17	17	17	17
15	25-11/16	25-11/16	17-3/4	17-3/4	17-3/4	17-3/4
25	33-13/16	34	20-5/16	20-5/16	20-5/16	20-5/16
35	39-5/8	40	21-9/16	21-9/16	21-9/16	21-9/16

Hook Model Dimensions are to the inside of Hook.

RENFROE TOO



ROLLER BEARING SWIVEL DIMENSIONS

ALL DIMENSIONS IN INCHES

SWL TONS	A	C	D	E	F	G	H	I	J	K	L
2	1-7/8	3/4	13/16	11/16	1-3/8	1-1/16	1	1	13/16	15/16	2
3	2-1/4	3/4	1	3/4	1-3/8	1-11/32	1-3/16	1-1/8	1	1-1/8	2-1/4
5	3	1	1-1/8	1	1-3/4	1-11/16	1-1/2	1-1/4	1-1/4	1-1/4	3
8 1/2	3-1/4	1-1/8	1-9/16	1-1/4	2-1/8	2-1/16	1-5/8	1-1/2	1-3/8	1-5/8	3-1/4
10	3-1/2	1-1/4	1-3/4	1-7/16	3-1/8	2-1/4	2-3/8	1-7/8	1-5/8	1-13/16	3-1/2
15	4	1-3/8	1-3/4	1-15/16	3-1/8	3	2-3/8	1-7/8	2	2-1/8	4

OVERALL LENGTH

ALL DIMENSIONS IN INCHES

SWL TONS	EYE & HOOK	JAW & HOOK	EYE & JAW	JAW & EYE	EYE & EYE	JAW & JAW
2	8-1/4	8-3/8	8-9/16	8-9/16	8-9/16	8-9/16
3	10-5/8	10-3/8	10-9/16	10-9/16	10-5/8	10-1/8
5	13-1/8	12-13/16	12-7/16	12-7/16	12-3/4	14
8 1/2	17-3/32	16-13/16	14-3/32	14-3/23	13-15/16	14
10	16-11/16	16-5/16	16-13/16	16-13/16	16-1/2	17-1/8
15	18-5/8	18-1/2	18-3/16	18-3/16	18-5/16	18-1/16

Hook Model Dimensions are to the inside of Hook.

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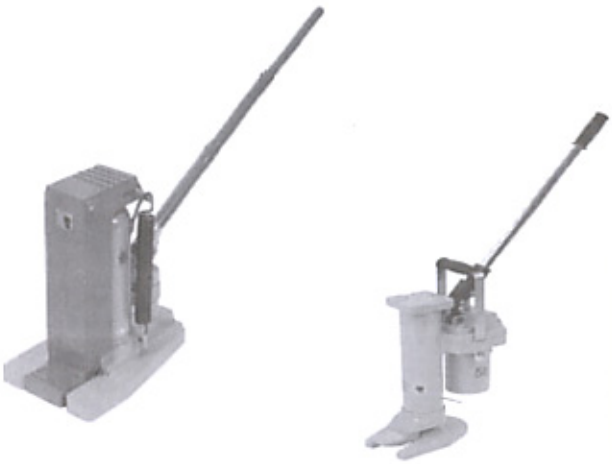
Moving Loads

The Professional Way!



Full Range of
Hydraulic Jacks

LOAD MOVING SYSTEMS

J.C. RENFROE & SONS, INC.

1926 Spearing Street
Jacksonville, Florida 32206

Phone: 904-356-4181
Toll Free: 800-874-8454
Fax: 904-354-7865

RENFROETOO

Renfroe Nylon Wheeled Skates

Designed for the professional load mover, these systems have been developed over a number of years to ensure total ease of operation and maximum safety.

Renfroe load moving skates are comprised of a steerable front section and a pair of adjustable rear trolleys. These innovative systems are available in capacities ranging from 5 to 100 ton and can be stripped down to component parts for easy transportation.

5 Ton To 100 Ton Capacities

Capacity	5 Ton	10 Ton	15Ton	20Ton	25Ton	30Ton	40Ton	60Ton	80Ton	100Ton
Model Number	RT 05	RT 10	RT 15	RT 20	RT 25	RT 30	RT40	RT60	RT80	RT100

Features and Benefits

Special Composite Wheel Material

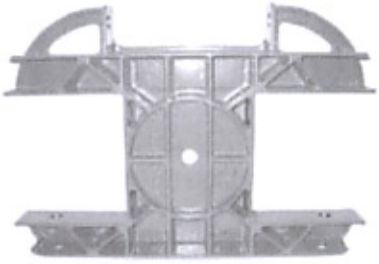
Hard enough to give incredibly low rolling resistance yet designed to protect expensive coated surfaces.

Unique Turntable Design

The special cast nylon material has greater impact resistance, and the large diameter thrust bearings allow ease of swivel.

Made from S.G. Iron rather than Welded Construction.

This Malleable material is immensely strong. Conventional steel fabricated units must be larger to achieve the same capacities



Three Point Loading System.

This ensures a safe and stable configuration which eliminates the risk of one skate rolling out from below the load. This design also ensures that loads are not carried on a reduced number of wheels when traveling over slightly uneven floors.

RENFROE - SKATE

Another load moving solution!

RENFROE TOO

J.C. RENFROE & SONS, INC.
1926 Spearing Street Jacksonville, Fl. 32206
Phone: 904-356-4181 Toll Free: 800-874-8454
Fax: 904-354-7865

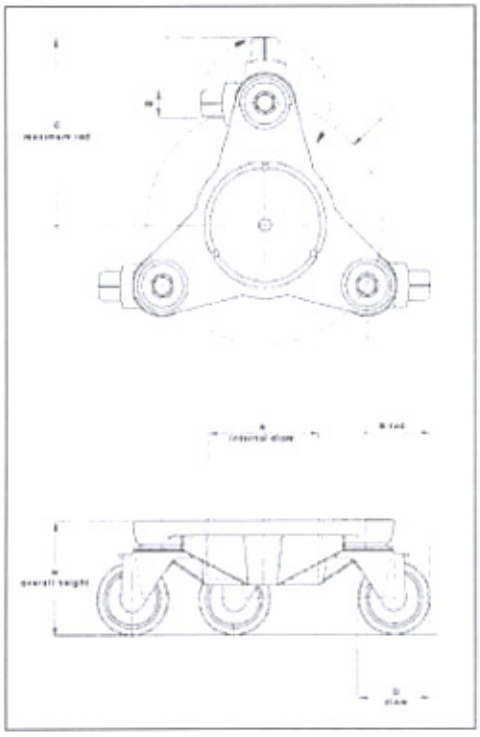
The Renfroe Skate is a versatile load moving system designed to solve a wide range of awkward material handling problems.

Features include:

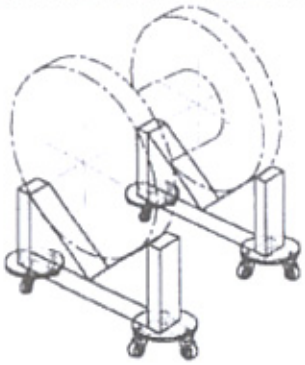
- Light weight aluminum body.
- Carrying capacity up to 1500 lbs. per skate.
- Professionally built quality.
- Modular concept allows linking of units.
- Polyurethane wheels

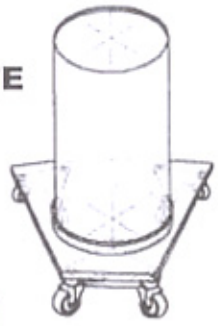
Technical Information

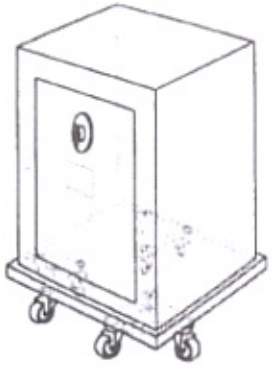
MODEL	R-1500 Skate
Safe Working Load	1500 Lbs.
A	5.9 Inch
B	3.5 Inch
C	10.0 Inch
D	3.9 Inch
H	6.2 Inch
W	1.7 Inch



EXAMPLES OF THE RENFROE - SKATE







RENFROETOO

J.C. RENFROE & SONS, INC.

LOAD WEIGHING CRANE BLOCK

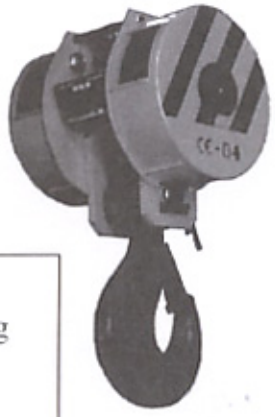
PLUS

LOAD LIMITING DEVICE
LIFTING TONGS

FAST, ACCURATE WEIGHT READINGS ARE ESSENTIAL REQUIREMENTS FOR A SYSTEM TO BE EFFICIENT IN THE HANDLING AND TRANSPORT OF CARGO.

THE J. C. RENFROE WEIGHING BLOCKS ARE DESIGNED TO FULFILL THESE REQUIREMENTS.

The Weighing Block has the same configuration as a conventional block, but it incorporates a highly reliable load cell with a precision of +/- 0.1%. It has a digital display 1" (26 mm) tall for easy reading at a distance. It can be supplied with a larger display 13/4" or 2 3/8" (45 mm / 60 mm) or, a larger, 5" (130 mm) digital display mounted on the crane.



ADVANTAGES

Direct reading of the load weight, avoiding repeated trips to centrally located scales.

No Head room loss. Compact unit.

Totally independent of crane system.

Precise load weighing, +/- 0.1% accurate.

Electronic components are protected.

A failure of the load cell does not release the load, and does not affect the normal operation of the block.

Automatic weighing system.

Robust design, built for safety.

The best safety device on the block

STANDARD

Interior use, normal environment.

Digital screen 1, 1 3/4, or 2 3/8 inch (26, 45, or 60 mm) (depending on size of block).

Remote control for functions, (ON/OFF, TARE)

TARE 100% of nominal load.

Totally independent, powered by batteries.

Separate battery charger, (supplied only with units that have interchangeable batteries).

24 Hour battery life for display.

Indicator for low battery charge.

OPTIONAL

Interior use, severe environment.

Heavy / continuous duty rating.

Remote readout, wired, or radio.

Radio connection to computer or printer.

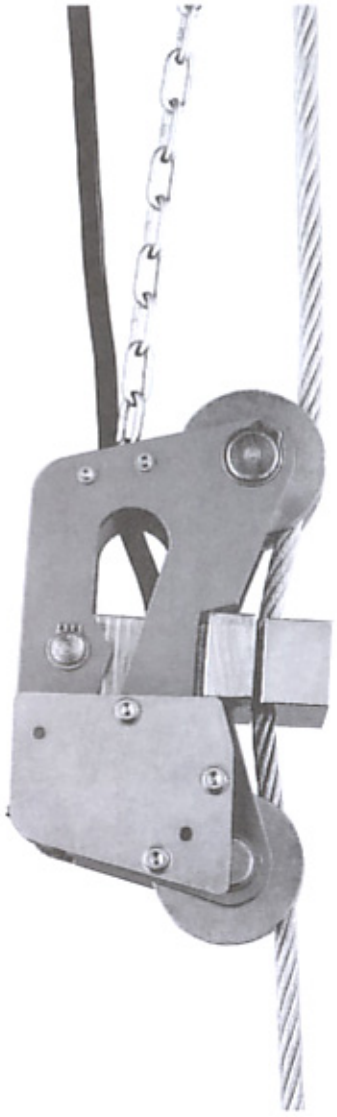
Task memory.

Continuous 110, 220 or 380V AC Power Supply.

Max tension indicator.

RENFROE*TOO*

LOAD LIMITER
WITH TENSIOMETER



The load limiter has been designed to prevent overloads that happen with hoisting equipment using wire rope, such as cranes, bridge cranes, lifts , and industrial elevators.

Overloads are dangerous and may damage the equipment because the operator is not aware that the load is greater than the working load of the hoisting equipment.

The load limiter is manufactured with a flexible steel body that withstands repeated heavy loads.

Perfect for open air installations

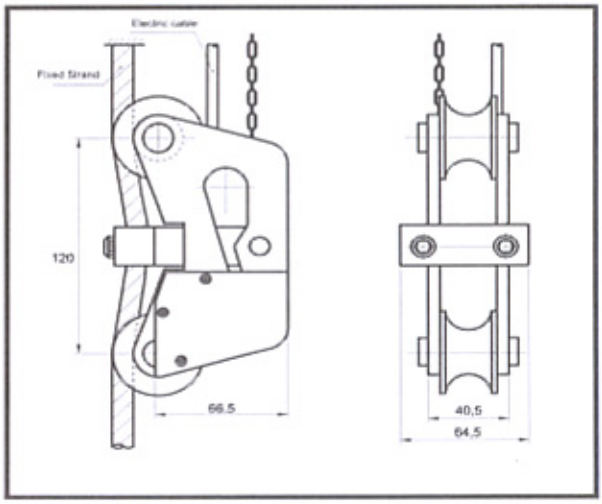
Temperature range –22° to 140° Fahrenheit. (-30 to +60 Celsius)

Accuracy +/- 1%

Dimensionally small and quickly installed without removing the wire rope.

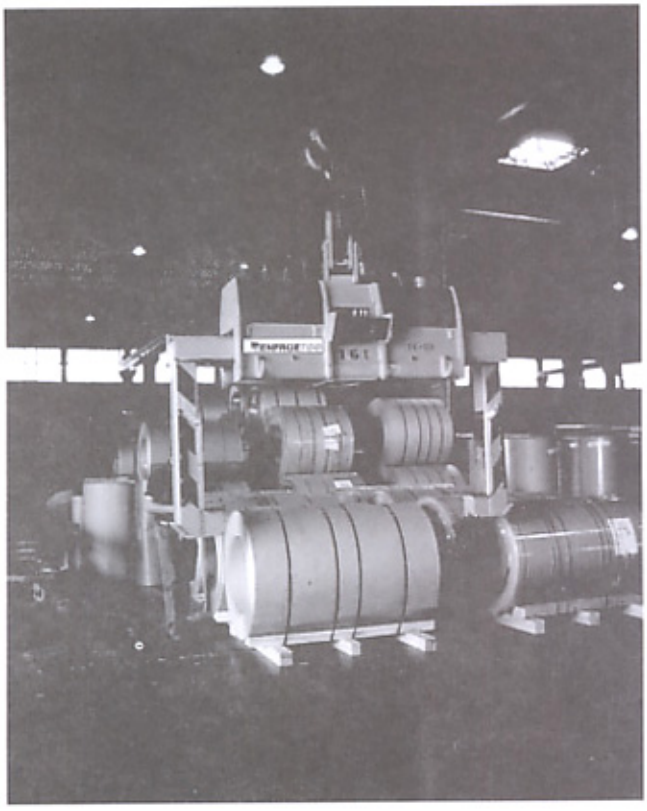
Delivered, ready to install, preset to your load requirement.

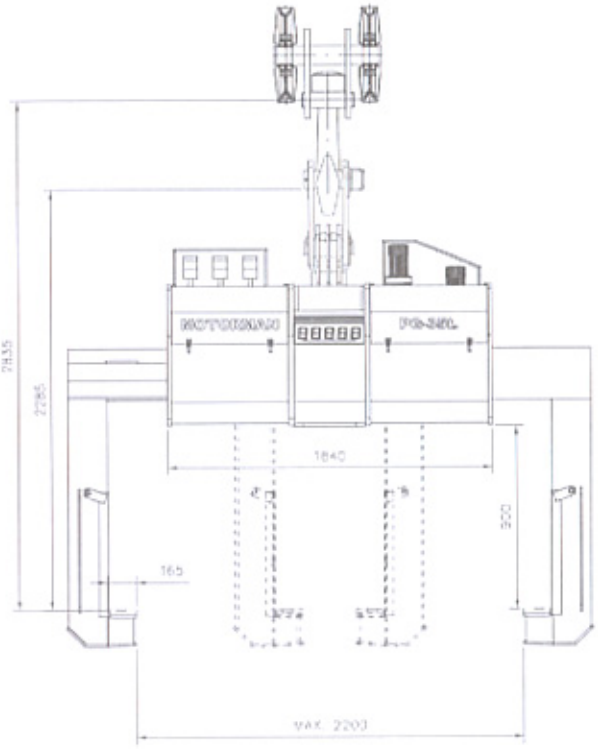
Available in cable diameters 1/4" to 1 1/8". 5 to 30 mm)



LIFTING TONGS

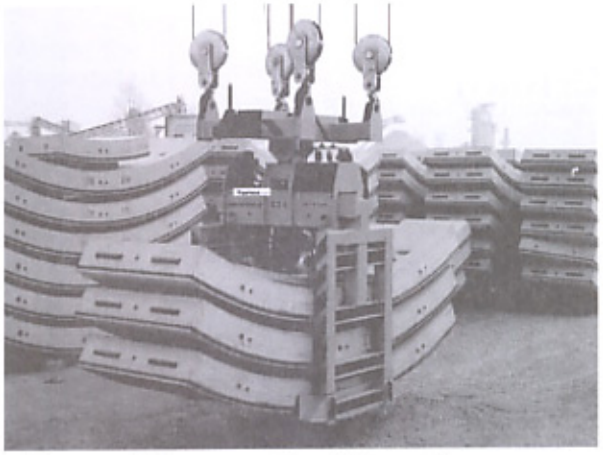
AVAILABLE WITH AND WITHOUT WEIGHING & MOTORIZED ROTATION CAPABILITY





SHAPE LIFTER

AVAILABLE WITH AND WITHOUT WEIGHING & MOTORIZED ROTATION CAPABILITY



Please call, fax, or e-mail us with specifications for your requirements so we can provide you with a quote on the system that is designed to meet your needs.

Design Factor – a measure of the theoretical reserve capacity, which is determined by dividing the ultimate load by the working load limit.

Proof Load – the average force to which a product is subjected before deformation occurs.

Proof Test – a test conducted on a product to determine defective material or manufacturing defects.

Shock Load – a load that results from the rapid application of a force or a rapid movement of a static load.

Static Load – the load resulting from a constant applied force or load.

Ultimate Load – the maximum load or force at which a product fails or no longer supports the load.

Working Load Limit (also known as WLL, Rated Load Value and Resultant) – the maximum mass or force for which the product is authorized to support in general service when the pull is applied with respect to the centerpiece of the product.

NOTICE OF EXCLUSION OF WARRANTY

RENFROE HAS HEREIN SET FORTH IN CONSPICUOUS LANGUAGE AN EXCLUSION OF ANY WARRANTY EITHER EXPRESSED OR IMPLIED, WHICH IS NOT SPECIFICALLY AND PARTICULARLY CONTAINED HEREIN. PLEASE REFER TO THAT STATEMENT FOR REPRESENTATIONS AND WARRANTIES OF PRODUCTS MANUFACTURED BY J.C. RENFROE & SONS. INC.

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JACKSONVILLE, FL. 32206
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