

High Performance Lifting

# COFFING® HOISTS

## Close Headroom, Swivel Truck Trolley Hoist Maneuvers in Tight Places — Steel Construction

The Coffing model **YLHA** is a heavy duty, compact, swivel truck trolley hoist designed for true low headroom capabilities. It is available in plain or hand geared versions and will negotiate very tight radius curves.

- **Capacities and Lifts** - Rated loads from 1/4 to 6 Tons.
- **Dual Articulating Trolleys** - Travel easily on curved beams.
- **Extremely Low Headroom** - Provides increased hook travel and maneuverability in tight places.
- **Steel Construction** - Hoist and trolley are built for maximum strength and long life.
- **Gear Train** - Heat treated, alloy steel, planetary hoist gearing.
- **Load Control** - Weston type load brake assures positive and efficient load control with minimal maintenance.
- **Load Sprocket** - Precision formed, cast steel pockets. Load sprocket can be reversed when a new chain is installed, providing extended sprocket life.
- **Supreme Quality**
- **Made In USA**



### S P E C I F I C A T I O N S

YLHA Hand Chain Trolley Hoist

1/4 - 6 Ton

Capacity (Tons)	Model Numbers		Std. Lift (Ft.)	Headroom (In.)	Strands of Load Chain (Reeving)	Hand Chain Overhaul For 1 Ft. Lift (Ft.)	Avg. Pull to Lift Rated Load Plain	† Min. Beam Size	Min. Radius Curve (In.)	Net Weight (Lbs.)	
	Plain	Geared								Plain	Geared
1/4	YLHA-1/4P	YLHA-1/4G	8	6 <sup>3</sup> / <sub>16</sub>	2	33	17	S5" x 10.0#	21	127	144
1/2	YLHA-1/2P	YLHA-1/2G	8	6 <sup>3</sup> / <sub>16</sub>	2	33	35	S5" x 10.0#	21	127	144
1	YLHA-1P	YLHA-1G	8	6 <sup>3</sup> / <sub>16</sub>	2	33	70	S5" x 10.0#	21	127	144
1 1/2	YLHA-1 1/2P	YLHA-1 1/2G	8	6 <sup>3</sup> / <sub>4</sub>	2	66	57	S6" x 12.5#	30	245	267
2	YLHA-2P	YLHA-2G	8	6 <sup>3</sup> / <sub>4</sub>	2	66	76	S6" x 12.5#	30	251	270
3	YLHA-3P	YLHA-3G	8	8 <sup>1</sup> / <sub>4</sub>	2	170	42	S8" x 18.4#	42	345	375
4	YLHA-4P	YLHA-4G	8	9 <sup>1</sup> / <sub>4</sub>	2	170	58	S8" x 18.4#	42	350	380
5	YLHA-5P	YLHA-5G	8	9 <sup>15</sup> / <sub>16</sub>	2	170	73	S8" x 18.4#	48	466	496
6	YLHA-6P	YLHA-6G	8	9 <sup>15</sup> / <sub>16</sub>	2	170	90	S8" x 18.4#	48	466	496

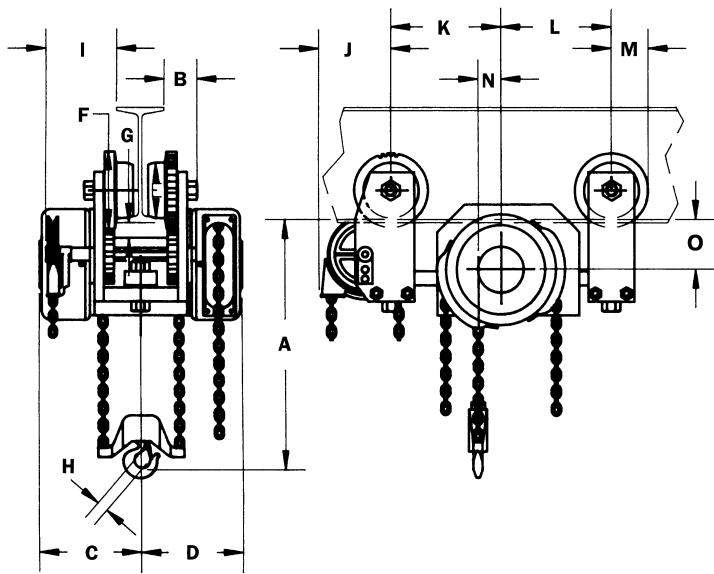
† This trolley hoist is **not** adjustable to varying size beams. Each unit is custom built to customer's specific beam size. Minimum beam size listed is for wheel clearance only. Exact beam specifications must be furnished - height, type and flange width and radius curve(s).

These trolley hoists can be built to fit most wide flange beams as well as patented monorail track, wither straight or with curves - apply to factory with specific application details.

Special features such as spark resistant units, units meeting military specifications, units with chain containers and track clamps can also be furnished - apply to factory with specific engineered requirements.

# D I M E N S I O N A L D R A W I N G

Model YLHA



Capacity (Tons)	Maximum Flange Width and Thickness For Straight tTrack	Maximum Flange Width and Thickness for Minimum Radius Track
1/4	5 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.	3 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.
1/2	5 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.	3 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.
1	5 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.	3 <sup>3</sup> / <sub>8</sub> " Wide x 1/2" Thk.
1 1/2	6" Wide x 5/8" Thk.	4" Wide x 1/2" Thk.
2	6" Wide x 5/8" Thk.	4" Wide x 1/2" Thk.
3	6" Wide x 5/8" Thk.	5" Wide x 5/8" Thk.
4	6" Wide x 5/8" Thk.	5" Wide x 5/8" Thk.
5	8" Wide x 7/8" Thk.	7 <sup>7</sup> / <sub>8</sub> " Wide x 7/8" Thk.
6	8" Wide x 7/8" Thk.	7 <sup>7</sup> / <sub>8</sub> " Wide x 7/8" Thk.

Customer MUST Consider Flange Width and Thickness. Dimensions Indicated are Accurate for any "S" or Wide Flange Beam. (Flat tread wheels are supplied for wide flange beam applications.)

Curve Radius Must Always Be Specified When Ordering  
Each Unit is Factory Set For a Specified Flange Width and *is not* Adjustable

# C L E A R A N C E D I M E N S I O N S

Cap. (Tons)	A	B	C	D	E	F	G		H	*I	*J	K	L	M	N	O
							Plain	Geared								
1/4	6 <sup>3</sup> / <sub>16</sub>	2	6 <sup>9</sup> / <sub>16</sub>	6 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	5	2 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>32</sub>	4 <sup>11</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>
1/2	6 <sup>3</sup> / <sub>16</sub>	2	6 <sup>9</sup> / <sub>16</sub>	6 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	5	2 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>32</sub>	4 <sup>11</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>
1	6 <sup>3</sup> / <sub>16</sub>	2	6 <sup>9</sup> / <sub>16</sub>	6 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	5	2 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>32</sub>	4 <sup>11</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>4</sub>	6 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>8</sub>	2 <sup>15</sup> / <sub>16</sub>
1 1/2	6 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	8 <sup>11</sup> / <sub>16</sub>	6 <sup>11</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	6	5/8	5/8	1 <sup>1</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>	7 <sup>5</sup> / <sub>8</sub>	3	3	1 <sup>7</sup> / <sub>8</sub>
2	6 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	8 <sup>11</sup> / <sub>16</sub>	6 <sup>11</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	6	5/8	5/8	1 <sup>1</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>4</sub>	11 <sup>3</sup> / <sub>8</sub>	7 <sup>5</sup> / <sub>8</sub>	3	3	1 <sup>7</sup> / <sub>8</sub>
3	8 <sup>1</sup> / <sub>4</sub>	2 <sup>9</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>	9 <sup>7</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8	1 <sup>5</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	1 <sup>11</sup> / <sub>32</sub>	8 <sup>1</sup> / <sub>8</sub>	6 <sup>1</sup> / <sub>8</sub>	11 <sup>9</sup> / <sub>16</sub>	7 <sup>11</sup> / <sub>16</sub>	4	3	3 <sup>7</sup> / <sub>16</sub>
4	9 <sup>1</sup> / <sub>4</sub>	2 <sup>9</sup> / <sub>16</sub>	9 <sup>7</sup> / <sub>8</sub>	9 <sup>7</sup> / <sub>8</sub>	6 <sup>3</sup> / <sub>8</sub>	8	1 <sup>5</sup> / <sub>16</sub>	1 <sup>5</sup> / <sub>16</sub>	1 <sup>11</sup> / <sub>32</sub>	9 <sup>15</sup> / <sub>16</sub>	6 <sup>1</sup> / <sub>8</sub>	11 <sup>9</sup> / <sub>16</sub>	7 <sup>11</sup> / <sub>16</sub>	4	3	3 <sup>7</sup> / <sub>16</sub>
5	9 <sup>15</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>16</sub>	9	7/8	7/8	1 <sup>11</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	6 <sup>15</sup> / <sub>16</sub>	11 <sup>9</sup> / <sub>16</sub>	8 <sup>13</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	3	3 <sup>7</sup> / <sub>8</sub>
6	9 <sup>15</sup> / <sub>16</sub>	2 <sup>13</sup> / <sub>16</sub>	10 <sup>1</sup> / <sub>8</sub>	10 <sup>1</sup> / <sub>8</sub>	7 <sup>3</sup> / <sub>16</sub>	9	7/8	7/8	1 <sup>11</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	6 <sup>15</sup> / <sub>16</sub>	11 <sup>9</sup> / <sub>16</sub>	8 <sup>13</sup> / <sub>16</sub>	4 <sup>1</sup> / <sub>2</sub>	3	3 <sup>7</sup> / <sub>8</sub>

For Trolley Hoists with Wider Flange Widths Than Listed or for Narrow Flanged Patented Track - Consult Factory -

## ⚠ WARNING

Overloading and Improper Use Can Result In Injury

To Avoid Injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

High Performance Lifting

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