

# SHAW-BOX<sup>®</sup>

Wire Rope Hoists  
and  
Crane Components

Condensed Catalog of Most Popular Hoists  
and Rapid Response Program

## Net Consumer Price List

700 Series  
800 Series  
World Series  
Bridge Kits

Prices effective October 4 , 2004

This price list supersedes all pricing information of earlier dates

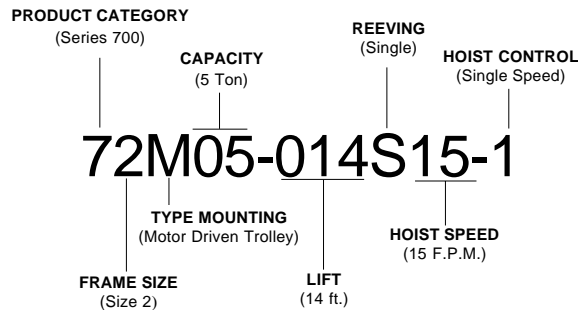


# Specification Information

This is a condensed version of our full-sized catalog designed to fit in a briefcase yet containing the specifications, clearances and pricing for our most popular SHAW-BOX 700, 800 and World Series monorail hoists and top-running single girder crane components. These are products that make up the majority of a Dealer's daily business. However, if a desired product or option is not found in this booklet, please consult our full-sized catalog or our Muskegon, Michigan plant.

## Product Numbering System

### Hoists - Example:



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# LTI Standard Headroom Single Reeved

## 700 & 800 Series Wire Rope Hoists

This section contains our most popular standard hoists. These standard hoists contain the following features:

- ◆ Weston Type Mechanical Load Brake
- ◆ DC Disc Hoist Motor Brake
- ◆ Helical or Helical/Spur Hoist Gearing
- ◆ Cast Alloy Hoist Gear Case
- ◆ Limit Switch: For 800 Series Hoists only - Upper Block Operated Control Circuit is standard. For 700 Series Hoists only - Upper Block Operated Control Circuit on Hoists with Lifts Under 50'-0" and Hoisting Speeds Under 30 F.P.M. Upper block with upper/lower screw type control circuit limit switches are standard on hoists with Lifts 50'-0" and Greater or Hoisting Speeds 30 F.P.M. or Greater.
- ◆ NEMA 1 Panel
- ◆ Control to be Magnetic Contactor Type. Motor Fuses and Overload Relays are Optional
- ◆ TAS in the Motor Windings
- ◆ Hoist and Trolley Panels Meet CSA Standards
- ◆ 30 Minute Rated, TENV Motors with Class "F" Insulation
- ◆ Metal Sheaves
- ◆ Class H-4 Service per HMI
- ◆ A Two Button Station is Provided for Hoists without Motor Driven Trolleys, a Four Button Station for Hoists with Motor Driven Trolleys

Trolleys will be shipped mounted to the hoist. Base price includes hoist, trolley and pendant station; does not include collector pole or collectors.

Please be certain to specify the beam size the hoist will run on and the power supply. Options for these standard hoists found on page 10.

**NOTE:** BEAM FLANGE WIDTH AND DEPTH DIMENSIONS GIVEN ARE MINIMUM FOR TROLLEY FIT. DEPTH IS EITHER THE MINIMUM REQUIRED FOR THE WHEELS TO CLEAR OR THE MINIMUM DEPTH FOR THE MINIMUM FLANGE WIDTH. THEY ARE NOT RECOMMENDED RUNNING BEAM SIZES. TIP LOADING AND EQUIVALENT CENTER LOADING (E.C.L.) REQUIREMENTS ARE TO BE CALCULATED BY THE PURCHASER AND PROPER RUNNING BEAM SIZES SELECTED ACCORDINGLY.

# LTI Standard Headroom Single Reeved

## World Series Wire Rope Hoists

The standard World Series Hoists contains the following features:

- ◆ DC disc Hoist motor brake rated at 200% torque.
- ◆ Triple reduction hoist gearing, helical for the first two, spur for the third.
- ◆ Hoist gearing is oil-bath lubricated and contained in vacuum cast gear case.
- ◆ Hoist motor is 30 minute rated, fan-cooled 2-speed with a 6:1 ratio between high and low speed with TAS in the windings and Class F insulation.
- ◆ Trolley motor is 30 minute rated, TENV 2-speed with a 3:1 ratio between high and low speed with TAS in the windings and Class F insulation.
- ◆ Trolley gearing is oil-bath lubricated.
- ◆ Hoist limit switch is a block-operated upper control circuit type.
- ◆ Bearings are anti-friction throughout
- ◆ Control to be Magnetic Contactor type
- ◆ Hoist and Trolley controls meet CSA standards
- ◆ NEMA 4/12 Panel
- ◆ Metal sheaves
- ◆ Class H-4 Service per HMI
- ◆ Push-button station is optional

# SHAW-BOX

# Electric Wire Rope Hoists

1 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/DIA.	HEADROOM (inches)	TYPE SUSPENSION				HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						PUSH TROLLEY		MOTORIZED TROLLEY			
						TROLLEY	PRICE	WT.	PRICE		
80†01-025S18-††	25	18	2	2-1/4	22-15/16	3253	213	4518	266	428	359
80†01-025S28-††	25	28	2	2-1/4	22-15/16	3253	238	4518	291	428	359
80†01-025S50-††	25	*50	4	2-1/4	22-15/16	4055	238	5320	291	428	359
80†01-050S18-††	50	18	2	2-1/4	22-11/16	3807	263	5072	385	428	359
80†01-050S28-††	50	28	2	2-1/4	22-11/16	3807	293	5072	415	428	359
80†01-050S50-††	50	*50	4	2-1/4	22-11/16	4609	293	5873	415	428	359

**GENERAL NOTES:**

† To Complete catalog number: select type of hoist suspension by replacing † in catalog number with P for Push Trolley, H for Hand Geared Trolley or M for Motor Driven Trolley.

†† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control (except where noted \*2:1) and is to be added to the single base price.

# SHAW-BOX

# Electric Wire Rope Hoists

2 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/DIA.	HEADROOM (inches)	TYPE SUSPENSION				HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						PUSH TROLLEY		MOTORIZED TROLLEY			
						TROLLEY	PRICE	WT.	PRICE		
*80†02-020S14-††	20	14	2	2-5/16	24-7/16	3165	263	4369	385	428	359
80†02-020S28-††	20	*28	4	2-5/16	24-7/16	3927	263	5130	385	428	359
80†02-040S14-††	40	14	2	2-5/16	24-7/16	3851	288	5116	410	428	359
80†02-040S28-††	40	*28	4	2-5/16	24-7/16	4368	288	5632	410	428	359
72†02-052S30-††	52	30	5	2-3/8	37-7/8	8367	930	9471	1015	895	359
72†02-052S40-††	52	40	5	2-3/8	37-7/8	8367	930	9471	1015	895	359

\*Available in Rapid Response Program with shorter delivery lead time and more features, see page 32.

**GENERAL NOTES:**

- † To Complete catalog number: select type of hoist suspension by replacing † in catalog number with, P for Push Trolley, H for Hand Geared Trolley or M for Motor Driven Trolley.
- †† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control (except where noted \*2:1) and is to be added to the single base price.

# SHAW-BOX

# Electric Wire Rope Hoists

3 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/DIA.	HEADROOM (inches)	TYPE SUSPENSION		HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						MOTORIZED TROLLEY			
						TROLLEY	PRICE		
80†03-030S08-††	30	8	2	4-5/16	27-3/16	5425	535	428	359
*80†03-030S18-††	30	*18	4	4-5/16	27-3/16	6550	560	428	359
72†03-026S15-††	26	15	3	4-3/8	38	7879	1035	895	359
72†03-026S20-††	26	20	5	4-3/8	38	8543	1050	895	359
72†03-044S30-††	44	30	7.5	2-7/16	38-7/8	11485	1030	1197	359
72†03-044S40-††	44	40	10	2-7/16	38-7/8	11485	1030	1197	359

\*Available in Rapid Response Program with shorter delivery lead time and more features, see page 32.

**GENERAL NOTES:**

† To Complete catalog number: select type of hoist suspension by replacing † in catalog number with H for Hand Geared Trolley or M for Motor Driven Trolley.

†† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control (except where noted \*2:1) and is to be added to the single base price.

# SHAW-BOX

# Electric Wire Rope Hoists

5 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/ DIA.	HEADROOM (inches)	TYPE SUSPENSION		HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						MOTORIZED TROLLEY			
						TROLLEY	PRICE		
*80†05-020S10-††	20	*10	4	6-5/16	29-1/16	6439	545	428	359
72†05-014S15-††	14	15	5	4-3/8	37-1/2	7783	925	895	359
72†05-014S20-††	14	20	7.5	4-3/8	37-1/2	8449	975	1197	359
*72†05-026S15-††	26	15	5	4-3/8	37-7/8	7878	1050	895	359
72†05-026S20-††	26	20	7.5	4-3/8	37-7/8	8542	1100	1197	359
WB2M05-025S20-2	25	20/3.3	7.5/1.25	4-7/6	Reference Chart Below	6928	1650	std.	std.
WB2M05-040S20-2	40	20/3.3	7.5/1.25	4-7/6		6928	1650	std.	std.

\*Available in Rapid Response Program with shorter delivery lead time and more features, see page 32.

### World Series Headroom

Trolley Beam Flange Width						
Dimension	4-5/8	6	8	10	12	14
Headroom (in)	23-3/4	23-5/8	23-1/4	22-7/8	22-1/4	21-1/2

For other flange widths see the optional price pages

#### GENERAL NOTES:

- † To Complete catalog number: select type of hoist suspension by replacing † in catalog number with H for Hand Geared Trolley or M for Motor Driven Trolley.
- †† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control (except where noted \*2:1) and is to be added to the single base price.



# SHAW-BOX

# Electric Wire Rope Hoists

7-1/2 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/DIA.	HEADROOM (inches)	TYPE SUSPENSION		HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						MOTORIZED TROLLEY			
						TROLLEY	PRICE		
72†07-012S14-††	12	14	7.5	4-7/16	37-1/2	9871	975	1197	359
*72†07-022S14-††	22	14	7.5	4-7/16	38	10598	1100	1197	359
WC2M07-025S24-2	25	24/4	15/2.5	4-9/16	Reference Chart Below	11630	2700	std.	std.
WC2M07-040S24-2	40	24/4	15/2.5	4-9/16		12449	2950	std.	std.

\*Available in Rapid Response Program with shorter delivery lead time and more features, see page 32.

### World Series Headroom

Trolley Beam Flange Width									
Dimension	4-5/8	6	8	10	12	14	16	18	20
Headroom (in)	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32

#### GENERAL NOTES:

† To Complete catalog number: select type of hoist suspension by replacing † in catalog number with H for Hand Geared Trolley or M for Motor Driven Trolley.

†† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control and is to be added to the single base price.

# SHAW-BOX

# Electric Wire Rope Hoists

10 TON

STANDARD HEADROOM SINGLE REEVED

CATALOG NUMBER	LIFT FT.	SPD FPM	MTR HP	NO. ROPES/DIA.	HEADROOM (inches)	TYPE SUSPENSION		HOIST 2 SPEED ADDER	TROLLEY 2 SPEED ADDER
						TROLLEY	MOTORIZED TROLLEY		
						PRICE	WT.		
*72†10-025S14-††	25	14	10	6-7/16	39-7/8	13439	1785	1197	359
WC2M10-025S20-2	25	20/3.3	15/2.5	4-9/16	Reference Chart Below	11794	2750	std.	std.
WC2M10-040S20-2	40	20/3.3	15/2.5	4-9/16		12613	3000	std.	std.

\*Available in Rapid Response Program with shorter delivery lead time and more features, see page 32.

### World Series Headroom

Trolley Beam Flange Width									
Dimension	4-5/8	6	8	10	12	14	16	18	20
Headroom (in)	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32

#### GENERAL NOTES:

† To Complete catalog number: select type of hoist suspension by replacing † in catalog number with H for Hand Geared Trolley or M for Motor Driven Trolley.

†† Select required speed points by replacing †† in catalog number with 1 or 2 to the base catalog number. Hoist adder for 2 speed is for 3:1 ratio control and is to be added to the single base price.

# SHAW-BOX

# Electric Wire Rope Hoists

## 700 & 800 SERIES MOST POPULAR OPTIONS

FEATURE	DESCRIPTION	PRICE
<b>FUSE PANEL</b> (Required for OSHA compliance)	Motorized "hoist or trolley only" .....	\$249
	Motorized hoist & motorized trolley .....	290
<b>CONTROL ENCLOSURES</b>	<b>Standard Headroom, Low Headroom &amp; Base Mounted Hoist</b> <b>Shaw-Box weather resistant (NEMA 4/12 standard on deck mount)</b>	
	Hoist only .....	97
	Hoist & motor driven trolley .....	217
	<b>NEMA Type 4 or 12 (includes modification of standard block limit switch)</b>	
	Single speed hoist or	
	Single speed hoist with motor driven trolley .....	830
	Two speed hoist with single or	
	two speed motor driven trolley .....	961
	<b>NEMA Type 4X Fiberglass Enclosure*</b>	
	Single speed hoist or	
Single speed hoist with motor driven trolley .....	1188	
Two speed hoist with single or		
two speed motor driven trolley .....	1431	
* For stainless steel add \$834 to the 4X prices		
<b>PUSH BUTTON MODIFICATIONS</b> (NEMA 12 Enclosure)	<b>Additional buttons (per pair of buttons)</b>	
	Stop-start .....	78
	Single speed .....	36
	Two speed .....	36
	<b>Deduct for omitting push button assembly</b>	
	<b>NOTE: Pushbutton assembly not included in base price of Deck-Mounted Hoist</b>	
	Single speed hoist .....	deduct ..... -(55)
	Two speed hoist .....	deduct ..... -(66)
	Single speed hoist/single speed trolley .....	deduct ..... -(77)
	Two speed hoist/single or two speed trolley .....	deduct ..... -(99)
<b>NEMA 12 push button enclosure</b>		
All Shaw-Box push button stations are rated		
NEMA 12 as a standard .....	N/C	
<b>Additional push button cable (per ft)</b> .....	3	
<b>TROLLEY TRAVERSE BRAKE</b> (A.C. Disc Type)	<b>Single motor trolley</b> .....	354
	<b>Double motor trolley</b> .....	706
<b>FOR TROLLEY OPERATION ON:</b>	<b>Wide flange beam (price per trolley)</b>	
	First extension .....	45
	Second extension .....	89
<b>LIMIT SWITCHES</b>	<b>Hoist (adders to base hoist price)</b>	
	Geared type upper and lower (control circuit)	
	2 element NEMA 4/12 (Adds 3" to headroom) .....	341
<b>WEIGHT WATCHER OVERLOAD</b> Built-in mechanical overload device factory installed (Not available on 25 HP)	.....	314

# SHAW-BOX

# Electric Wire Rope Hoists

## WORLD SERIES OPTIONS PRICING

FEATURE	DESCRIPTION	PRICE
<b>HOIST OPTIONS</b>	Rope Guide .....	Add \$131
	Upper & lower geared control circuit limit switch .....	Add 197
	Add mainline contactor .....	Add 393
	Over capacity lift limit switch .....	Add 328
	575/3/60 hoist & trolley motors and controls (2-speed) .....	Add 0

For Push Button Stations (shipped loose) (Pendant Stations Not Included with Base Hoist Price)

List prices are arranged by the various button combinations available per hoist lift.

Prices include NEMA 4 pendant station with the button quantity listed, control and strain reliever cable for the hoist lift selected.

The length of the cables will be approximately equal to the lift less 2½ feet.

The pendant will ship loose for field installation by others.

Please give desired configuration with order.

Number of Buttons		On-Off	New Global Adders List Price	
1 Speed	2 Speed		25'	40'
0	4	0	257	295
		2	311	362
	6	0	293	352
		2	344	402
2	2	0	218	277
		2	290	336
	4	0	277	335
		2	329	387
4	2	0	252	303
		2	304	354

<b>TROLLEY OPTIONS</b>	Add soft-start to standard 2 speed trolley .....	Add \$313
	Single speed trolley control without soft-start .....	Deduct -(55)
	Single speed trolley control with soft-start .....	Add 242

### VARIABLE FREQUENCY TROLLEY CONTROL

Electromotive P3 for 230 or 460/3/60 .....	Add 853
Electromotive G+ for 575/3/60 .....	Add 2132

<b>TROLLEY BRAKE</b>	AC motor mounted disc type rated at 50% torque .....	Add 354
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<b>TROLLEY BUMPERS</b>	Four (4) rubber bumpers mounted two (2) at each end .....	Add 164
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<b>FASTER TROLLEY SPEEDS</b> (Standard is 50/16.7 fpm)	For 75/25 fpm .....	Add 136
	5 tonne traverse changes from 1/4 to 1/2 hp 7-1/2 & 10 traverse changes from 1/2 to 3/4 hp	

<b>WIDER BEAM FLANGE WIDTHS</b>	For 5 tonne (B-frame) models	
	(14-1/8" to 20") .....	Add 274

Dimension	Trolley Beam Flange Width (B)			
	14-1/8	16	18	20
C	24	23	22	21
D	13-13/16	15-11/16	17-11/16	19-11/16
E	11-1/4	13-1/8	15-1/8	17-1/8
M	66 - for 460 volts 68 - for 200, 230 & 575 volts			

# SHAW-BOX

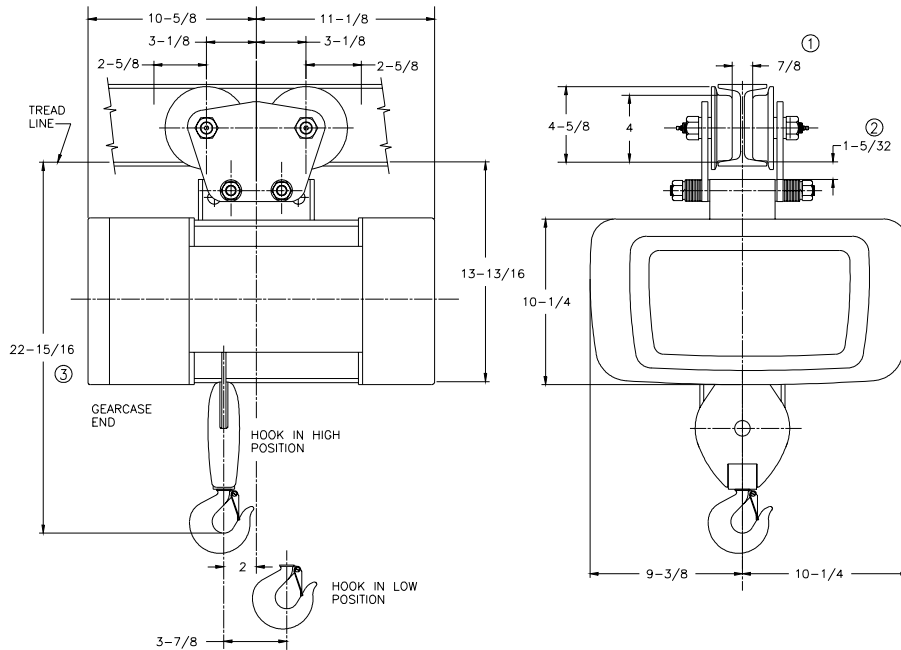
# Electric Wire Rope Hoists

800  
SERIES

1  
TON

SINGLE  
REEVED

PUSH  
TROLLEY



MINIMUM STANDARD RADIUS: 3'-6"

CATALOG NUMBER	HOIST				WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA		HIGH HOOK (LBS)	LOW HOOK (LBS)
80P01-025S18-1	25	18	2	2-1/4	213	1002	979
80P01-025S18-2	25	18/6	2/66	2-1/4	248	1011	988
80P01-025S28-1	25	28	2	2-1/4	238	1017	993
80P01-025S28-2	25	28/9.4	2/66	2-1/4	248	1019	996
80P01-025S50-1	25	50	4	2-1/4	238	1082	1057
80P01-025S50-2	25	50/25	4/2	2-1/4	248	1085	1060

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3" min., 5" max; beam depth 6" min. standard, 5-1/8"-7-1/4" with 1st extension, 7-1/2"-9-1/8" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

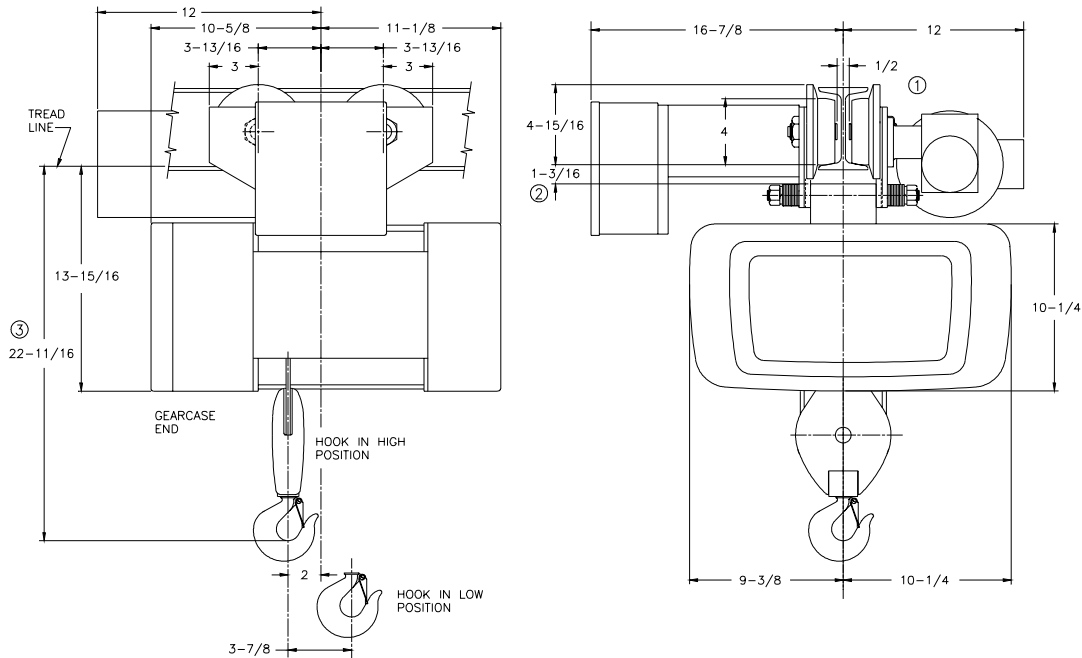
# Electric Wire Rope Hoists

800  
SERIES

1  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 3'-6"

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP		HIGH HOOK (LBS)	LOW HOOK (LBS)
80M01-025S18-1	25	18	2	2-1/4	75	1/4	266	945	926
80M01-025S18-2	25	18/6	2/.66	2-1/4	75	1/4	301	955	936
80M01-025S28-1	25	28	2	2-1/4	75	1/4	291	959	941
80M01-025S28-2	25	28/9.4	2/.66	2-1/4	75	1/4	301	962	943
80M01-025S50-1	25	50	4	2-1/4	75	1/4	291	1020	1000
80M01-025S50-2	25	50/25	4/2	2-1/4	75	1/4	301	1023	1003

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3" min., 5" max; beam depth 6" min. standard, 5-1/8"-7-1/4" with 1st extension, 7-1/2"-9-1/8" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

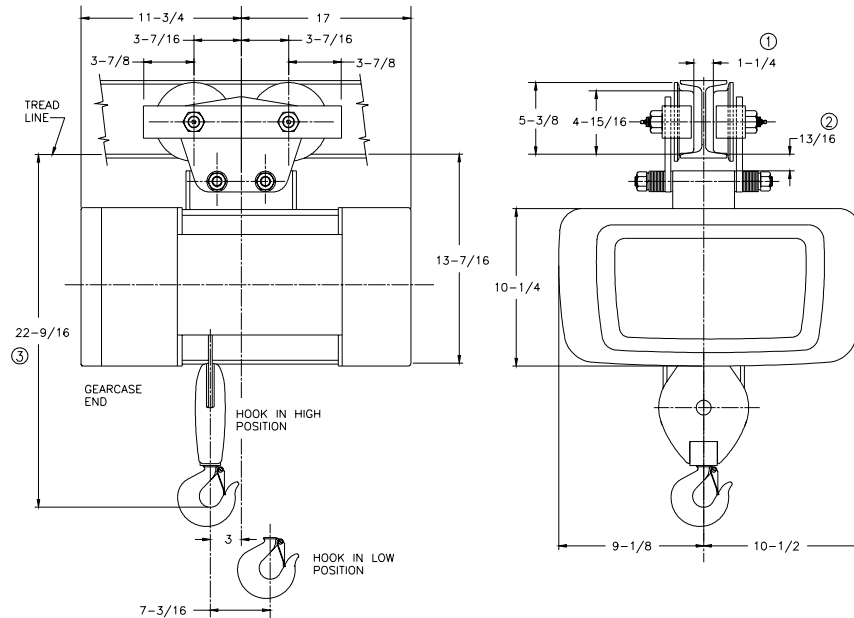
# Electric Wire Rope Hoists

800  
SERIES

1  
TON

SINGLE  
REEVED

PUSH  
TROLLEY



MINIMUM STANDARD RADIUS: 5'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA		HIGH HOOK (LBS)	LOW HOOK (LBS)
80P01-050S18-1	50	18	2	2-1/4	263	1149	1348
80P01-050S18-2	50	18/6	2/.66	2-1/4	298	1159	1357
80P01-050S28-1	50	28	2	2-1/4	293	1167	1367
80P01-050S28-2	50	28/9.4	2/.66	2-1/4	298	1168	1368
80P01-050S50-1	50	50	4	2-1/4	293	1242	1456
80P01-050S50-2	50	50/25	4/2	2-1/4	298	1243	1457

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3-3/8" min., 6" max; beam depth 7" min. standard, 6-1/4"-8-7/8" with 1st extension, 9"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

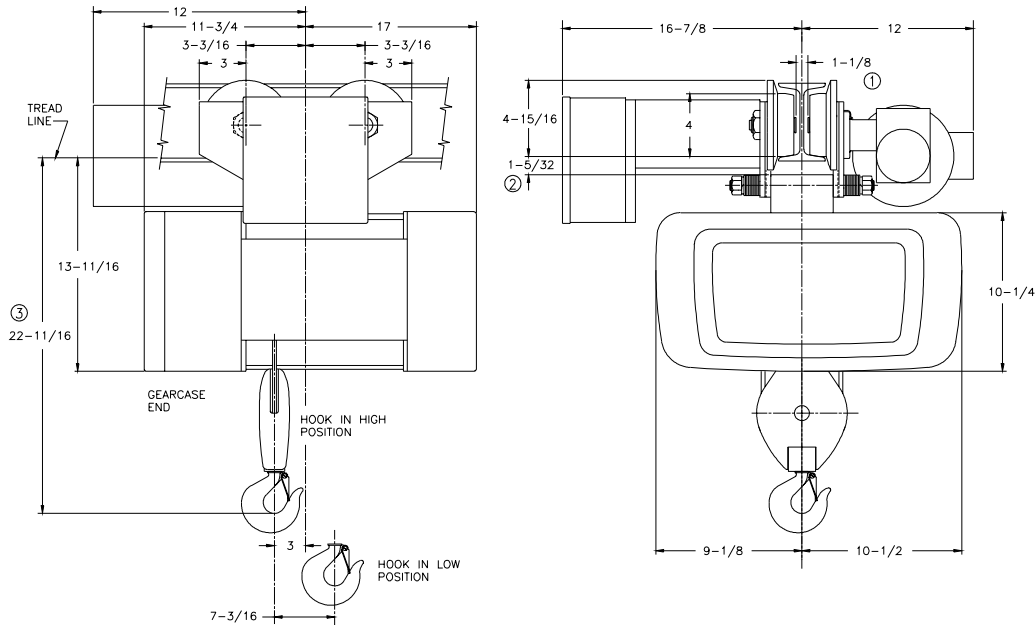
# Electric Wire Rope Hoists

800  
SERIES

1  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 5'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP		HIGH HOOK (LBS)	LOW HOOK (LBS)
80M01-050S18-1	50	18	2	2-1/4	60	1/4	385	1059	1209
80M01-050S18-2	50	18/6	2/.66	2-1/4	60	1/4	420	1069	1218
80M01-050S28-1	50	28	2	2-1/4	60	1/4	415	1075	1226
80M01-050S28-2	50	28/9.4	2/.66	2-1/4	60	1/4	420	1077	1228
80M01-050S50-1	50	50	4	2-1/4	60	1/4	415	1142	1303
80M01-050S50-2	50	50/25	4/2	2-1/4	60	1/4	420	1143	1305

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3-5/8" min., 6" max; beam depth 7" min. standard, 6-1/4"-8-5/8" with 1st extension, 8-7/8"-11-1/4" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.



# SHAW-BOX

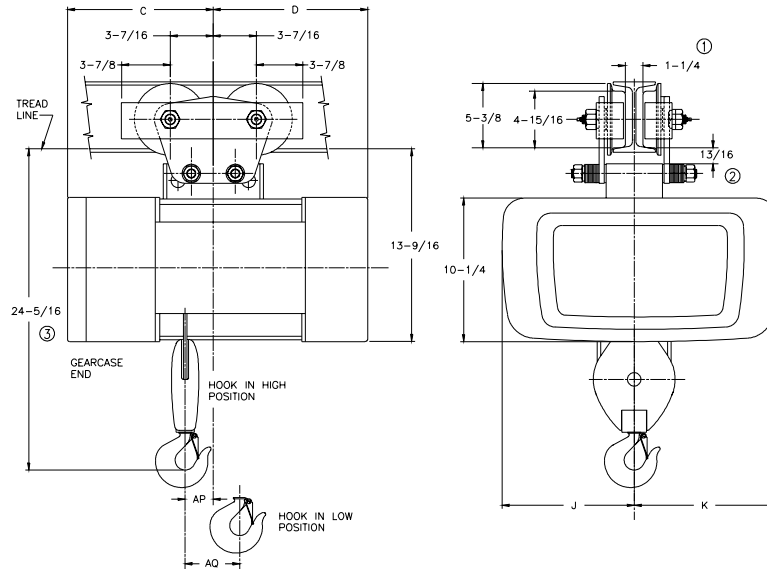
# Electric Wire Rope Hoists

800  
SERIES

2  
TON

SINGLE  
REEVED

PUSH  
TROLLEY



MINIMUM STANDARD RADIUS: 5'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				WEIGHT (LBS)	C	D	J	K	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA								HIGH HOOK (LBS)	LOW HOOK (LBS)
80P02-020S14-1	20	14	2	2-5/16	263	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1891	1850
80P02-020S14-2	20	14/4.66	2/66	2-5/16	278	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1896	1854
80P02-020S28-1	20	28	4	2-5/16	263	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1891	1850
80P02-020S28-2	20	28/14	4/2	2-5/16	278	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1896	1854
80P02-040S14-1	40	14	2	2-5/16	288	11 3/4	17	9-1/8	10-1/2	3	7-3/8	2233	2693
80P02-040S14-2	40	14/4.66	2/66	2-5/16	303	11 3/4	17	9-1/8	10-1/2	3	7-3/8	2237	2697
80P02-040S28-1	40	28	4	2-5/16	288	11 3/4	17	9-1/8	10-1/2	3	7-3/8	2233	2693
80P02-040S28-2	40	28/14	4/2	2-5/16	303	11 3/4	17	9-1/8	10-1/2	3	7-3/8	2237	2697

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3-3/8" min., 6" max; beam depth 7" min. standard, 6-1/4"-8-7/8" with 1st extension, 9"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

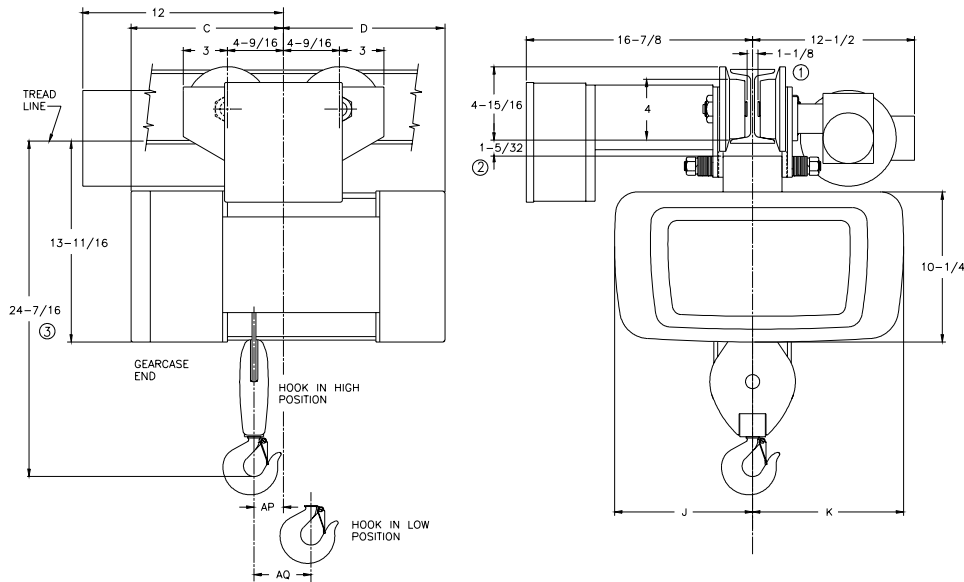
# Electric Wire Rope Hoists

800  
SERIES

2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 5'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	C	D	J	K	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP								HIGH HOOK (LBS)	LOW HOOK (LBS)
80M02-020S14-1	20	14	2	2-5/16	60	1/4	385	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1760	1728
80M02-020S14-2	20	14/4.66	2/66	2-5/16	60	1/4	400	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1764	1733
80M02-020S28-1	20	28	4	2-5/16	60	1/4	385	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1760	1728
80M02-020S28-2	20	28/14	4/2	2-5/16	60	1/4	400	10-5/8	11-1/8	9-3/8	10-1/4	2	3-7/8	1764	1733
80M02-040S14-1	40	14	2	2-5/16	60	1/4	410	11-3/4	17	9-1/8	10-1/2	3	7-3/8	2019	2365
80M02-040S14-2	40	14/4.66	2/66	2-5/16	60	1/4	425	11-3/4	17	9-1/8	10-1/2	3	7-3/8	2023	2370
80M02-040S28-1	40	28	4	2-5/16	60	1/4	410	11-3/4	17	9-1/8	10-1/2	3	7-3/8	2019	2365
80M02-040S28-2	40	28/14	4/2	2-5/16	60	1/4	425	11-3/4	17	9-1/8	10-1/2	3	7-3/8	2023	2370

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 3-5/8" min., 6" max; beam depth 7" min. standard, 6-1/4"-8-5/8" with 1st extension, 8-7/8"-11-1/4" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

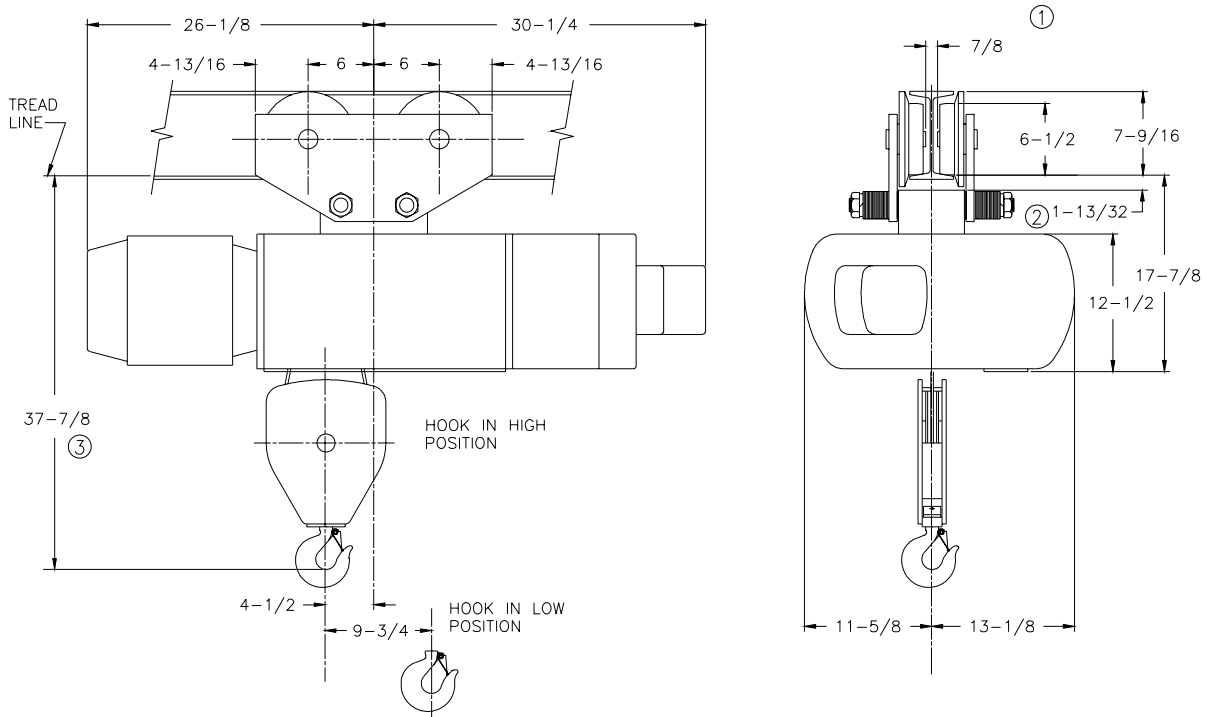
# Electric Wire Rope Hoists

700  
SERIES

2  
TON

SINGLE  
REEVED

PUSH  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				WEIGHT (LBS)	EST. TROLLEY WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA		HIGH HOOK (LBS)	LOW HOOK (LBS)
72P02-052S30-1	52	30	5	2-3/8	930	2268	2412
72P02-052S30-2	52	30/10	5/1.6	2-3/8	990	2285	2429
72P02-052S40-1	52	40	5	2-3/8	930	2356	2506
72P02-052S40-2	52	40/13	5/1.6	2-3/8	990	2372	2522

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Hoist is equipped with screw and block type limit switches.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

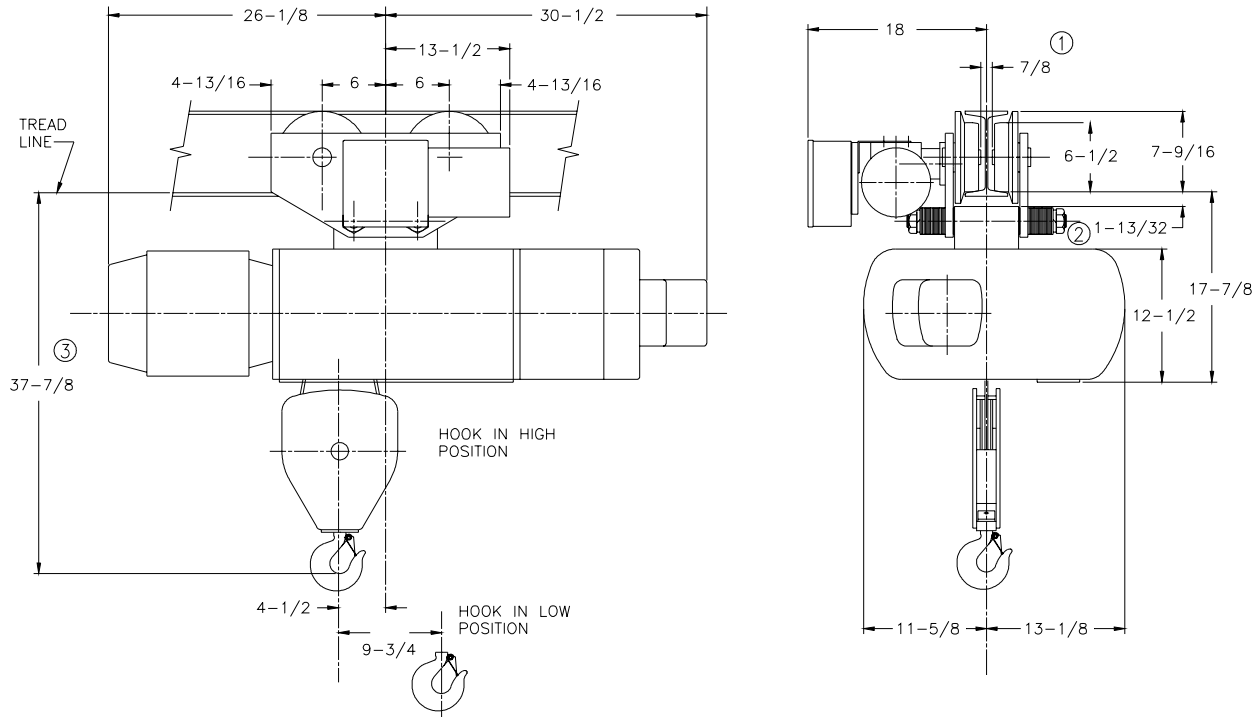
# Electric Wire Rope Hoists

700  
SERIES

2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP		HIGH HOOK (LBS)	LOW HOOK (LBS)
72M02-052S30-1	52	30	5	2-3/8	50	1/2	980	2282	2426
72M02-052S30-2	52	30/10	5/1.6	2-3/8	50	1/2	1040	2299	2442
72M02-052S40-1	52	40	5	2-3/8	50	1/2	980	2370	2520
72M02-052S40-2	52	40/13	5/1.6	2-3/8	50	1/2	1040	2386	2536

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Hoist is equipped with screw and block type limit switches.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

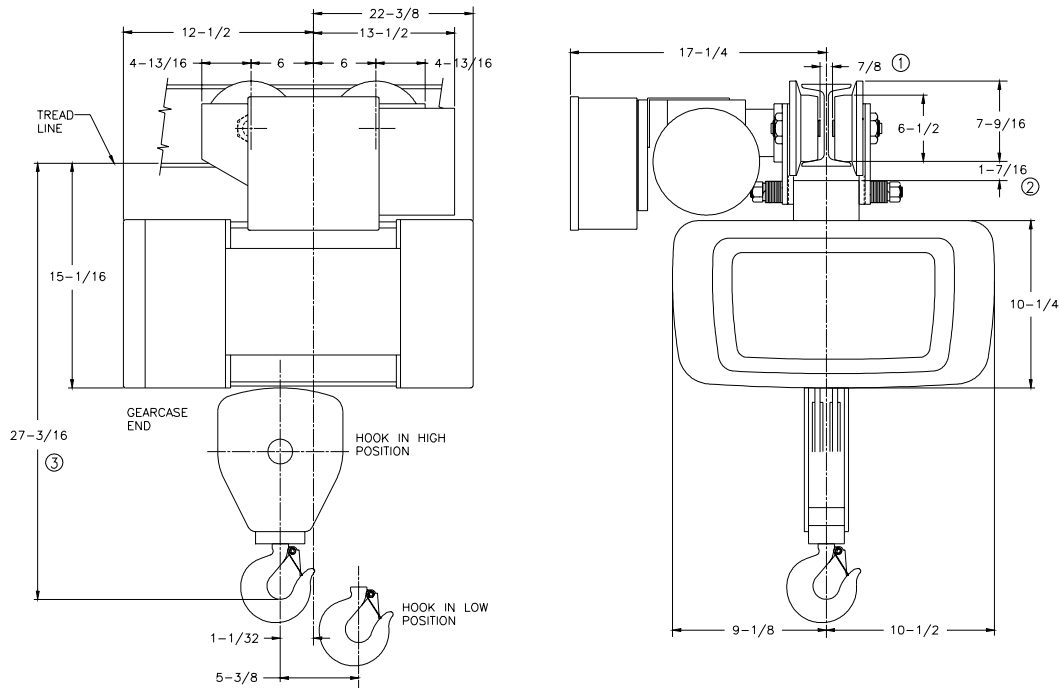
# Electric Wire Rope Hoists

800  
SERIES

3  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP		HIGH HOOK (LBS)	LOW HOOK (LBS)
80M03-030S08-1	30	8	2	4-5/16	50	1/2	535	2169	3121
80M03-030S08-2	30	8/2.66	2/66	4-5/16	50	1/2	550	2173	3125
80M03-030S18-1	30	18	4	4-5/16	50	1/2	525	2166	3118
80M03-030S18-2	30	18/9	4/2	4-5/16	50	1/2	540	2170	3122

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

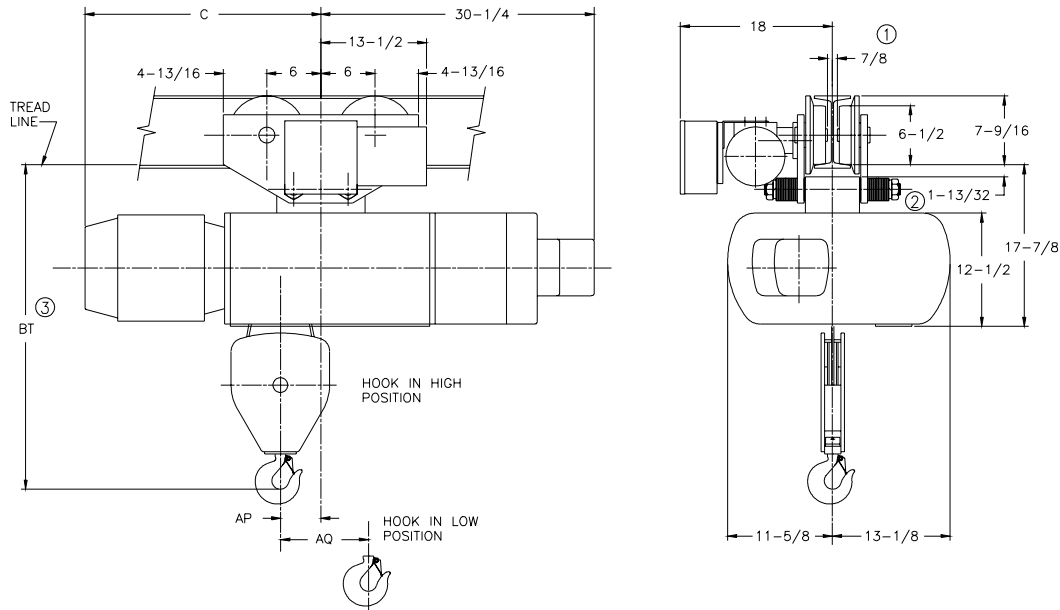
# Electric Wire Rope Hoists

700  
SERIES

3  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	BT	C	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP						HIGH HOOK (LBS)	LOW HOOK (LBS)
72M03-026S15-1	26	15	3	4-3/8	50	1/2	1035	38	22-3/8	3-3/4	4-7/8	3088	2333
72M03-026S15-2	26	15/5	3/1	4-3/8	50	1/2	1060	38	24-1/2	3-3/4	4-7/8	3095	2340
72M03-026S20-1	26	20	5	4-3/8	50	1/2	1050	38	22-3/4	3-3/4	4-7/8	3092	2337
72M03-026S20-2	26	20/7	5/1.6	4-3/8	50	1/2	1110	38	28	3-3/4	4-7/8	3108	2354
72M03-044S30-1	44	30	7.5	2-7/16	50	1/2	1030	38-7/8	25-5/8	4-1/2	9-3/4	3302	3518
72M03-044S30-2	44	30/10	7.5/2.5	2-7/16	50	1/2	1080	38-7/8	28-7/8	4-1/2	9-3/4	3316	3531
72M03-044S40-1	44	40	7.5	2-7/16	50	1/2	1030	38-7/8	25-5/8	4-1/2	9-3/4	3433	3658
72M03-044S40-2	44	40/13	7.5/2.5	2-7/16	50	1/2	1080	38-7/8	28-7/8	4-1/2	9-3/4	3447	3672

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

NOTE: Hoists with speeds 30 F.P.M. and over are equipped with screw and block type limit switches.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

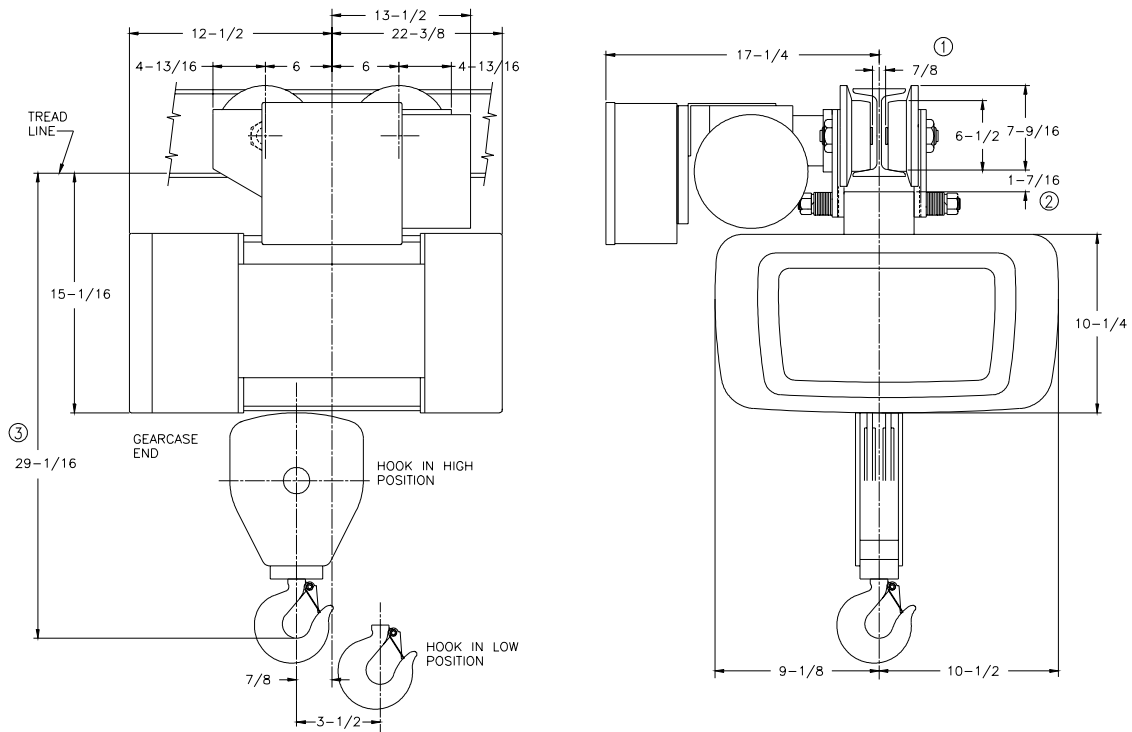
# Electric Wire Rope Hoists

800  
SERIES

5  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP		HIGH HOOK (LBS)	LOW HOOK (LBS)
80M05-020S10-1	20	10	4	6-5/16	50	1/2	545	3444	4283
80M05-020S10-2	20	10/5	4/2	6-5/16	50	1/2	560	3448	4287

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

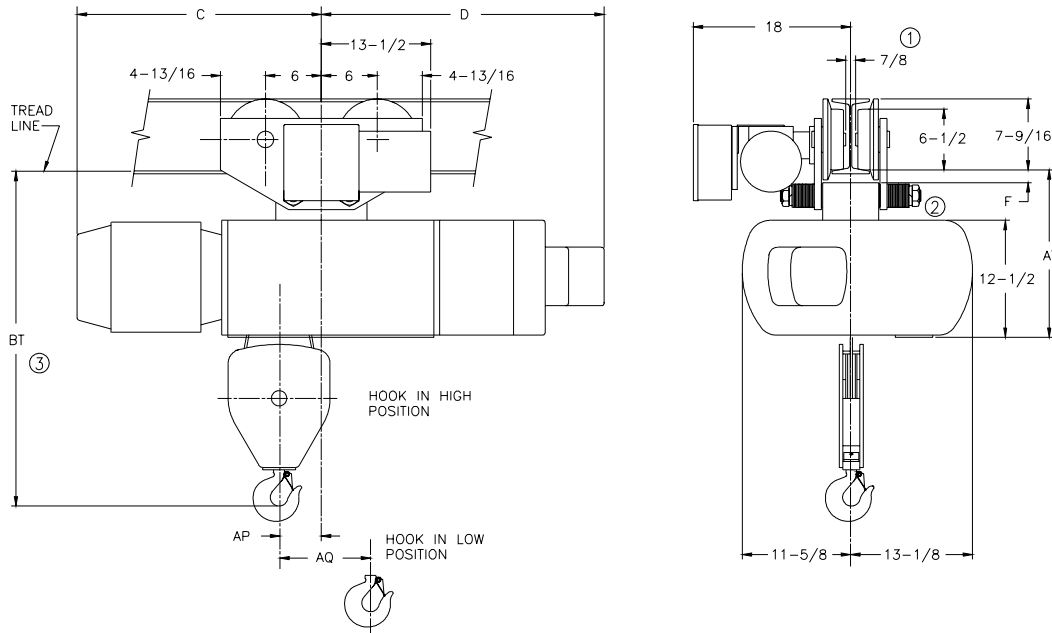
# Electric Wire Rope Hoists

700  
SERIES

5  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0", FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	AT	BT	C	D	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP								HIGH HOOK (LBS)	LOW HOOK (LBS)
72M05-014S15-1	14	15	5	4-3/8	50	1/2	925	17-3/8	37-1/2	19-1/4	24-3/4	1/2	2-5/8	3369	4148
72M05-014S15-2	14	15/5	5/1.6	4-3/8	50	1/2	985	17-3/8	37-1/2	24-3/8	24-3/4	1/2	2-5/8	3385	4164
72M05-014S20-1	14	20	7.5	4-3/8	50	1/2	975	17-3/8	37-1/2	22-1/8	24-3/4	1/2	2-5/8	3383	4161
72M05-014S20-2	14	20/7	7.5/2.5	4-3/8	50	1/2	1025	17-3/8	37-1/2	25-3/8	24-3/4	1/2	2-5/8	3396	4175
72M05-026S15-1	26	15	5	4-3/8	50	1/2	1050	17-7/8	37-7/8	22-3/4	30-1/4	3-3/4	4-7/8	4961	3703
72M05-026S15-2	26	15/5	5/1.6	4-3/8	50	1/2	1110	17-7/8	37-7/8	28	30-1/4	3-3/4	4-7/8	4977	3719
72M05-026S20-1	26	20	7.5	4-3/8	50	1/2	1100	17-7/8	37-7/8	25-5/8	30-1/4	3-3/4	4-7/8	4974	3717
72M05-026S20-2	26	20/7	7.5/2.5	4-3/8	50	1/2	1150	17-7/8	37-7/8	28-7/8	30-1/4	3-3/4	4-7/8	4988	3730

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.



# SHAW-BOX

# Electric Wire Rope Hoists

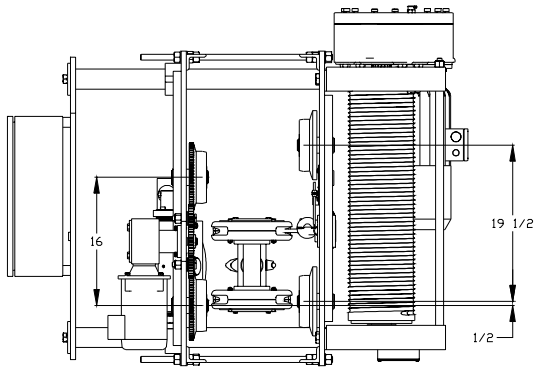
WORLD  
SERIES

5  
TONNE

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

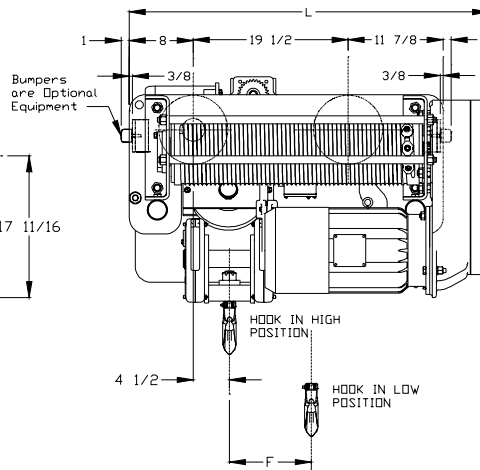
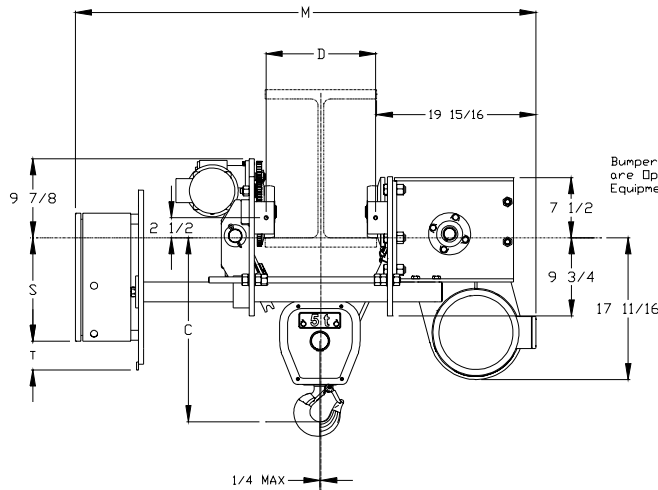
25' Lift



Dimensions Affected by Beam Flange Width						
Dimension	Trolley Beam Flange Width - (B) *					
	4-5/8	6	8	10	12	14
C	23-3/4	23-5/8	23-1/4	22-7/8	22-1/4	21-1/2
D	4-5/16	5-11/16	7-11/16	9-11/16	11-11/16	13-11/16
E	1-3/4	3-1/8	5-1/8	7-1/8	9-1/8	11-1/8
M	460 Volt - 58" 200, 230 & 575 Volt - 60"					

See page 25 for Illustration of dimension E in relation to a beam

\*See options page for wider beam flange widths



### Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	200, 230 & 575 Volt		460 Volt		F	L	Max. High Hook W.L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.		S	T	S	T			US (short) Tons	Metric Tonnes
WB2M05-025S20-2	25	20/3.3	7.5/1.25	4-7/16	50/16.7	1/4 - 1/12	1450	14-15/16	1-9/16	12-15/16	3-9/16	6	45-1/8	4043	4405

Weights shown are for standard hoists listed. For approximate shipping weights, add 150 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts.

Trolley is capable of running on beams from 4-5/8" - 14" wide with a flange thickness of 1 3/4" as standard.

\*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 14" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

# SHAW-BOX

# Electric Wire Rope Hoists

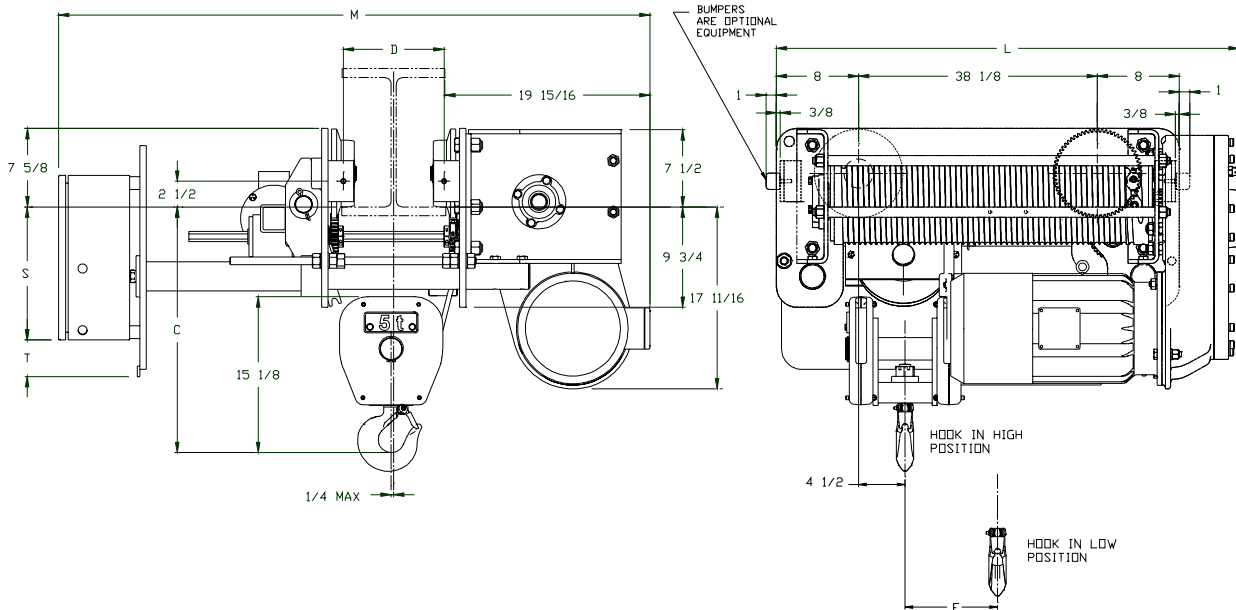
WORLD  
SERIES

5  
TONNE

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

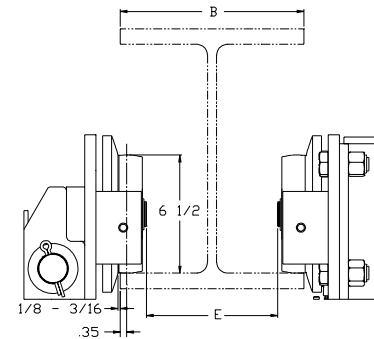
40' Lift



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B) *					
	4-5/8	6	8	10	12	14
C	23-3/4	23-5/8	23-1/4	22-7/8	22-1/4	21-1/2
D	4-5/16	5-11/16	7-11/16	9-11/16	11-11/16	13-11/16
E	1-3/4	3-1/8	5-1/8	7-1/8	9-1/8	11-1/8
M	460 Volt - 58" 200, 230 & 575 Volt - 60"					

\*See options page for wider beam flange widths



Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	200, 230 & 575 Volt		460 Volt		F	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.		S	T	S	T			US (short) Tons	Metric Tonnes
WB2M05-040S20-2	40	20/3.3	7.5/1.25	4-7/16	50/16.7	1/4 - 1/12	1650	14-15/16	1-9/16	12-15/16	3-9/16	9-11/16	60	4893	5360

Weights shown are for standard hoists listed. For approximate shipping weights, add 150 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts. Trolley is capable of running on beams from 4-5/8" - 14" wide with a flange thickness of 1 3/4" as standard.

\*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 14" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

# SHAW-BOX

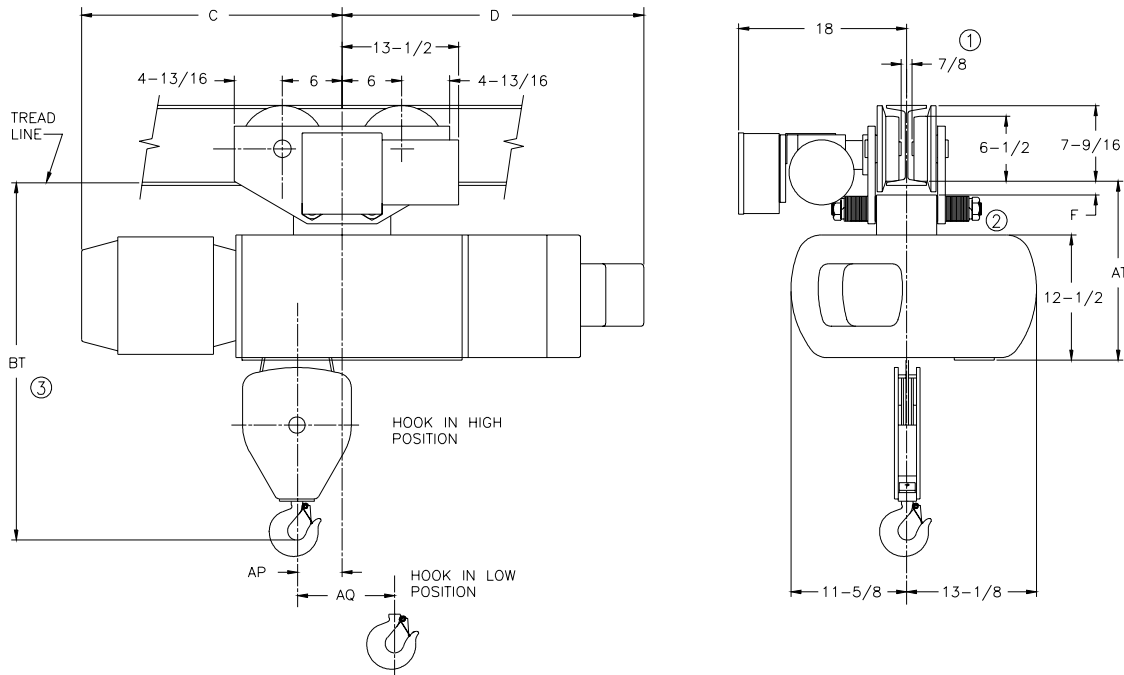
# Electric Wire Rope Hoists

700  
SERIES

7-1/2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM STANDARD RADIUS: 7'-0". FOR SMALLER RADIUS CONTACT FACTORY

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	AT	BT	C	D	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP								HIGH HOOK (LBS)	LOW HOOK (LBS)
72M07-012S14-1	12	14	7.5	4-7/16	50	1/2	975	17-3/8	37-1/2	22-1/8	24-3/4	1/4	2-9/16	4760	6243
72M07-012S14-2	12	14/5	7.5/2.5	4-7/16	50	1/2	1025	17-3/8	37-1/2	25-3/8	24-3/4	1/4	2-9/16	4774	6256
72M07-022S14-1	22	14	7.5	4-7/16	50	1/2	1100	17-7/8	38	25-5/8	30-1/4	3-1/4	4-3/4	6951	5693
72M07-022S14-2	22	14/5	7.5/2.5	4-7/16	50	1/2	1150	17-7/8	38	28-7/8	30-1/4	3-1/4	4-3/4	6965	5707

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

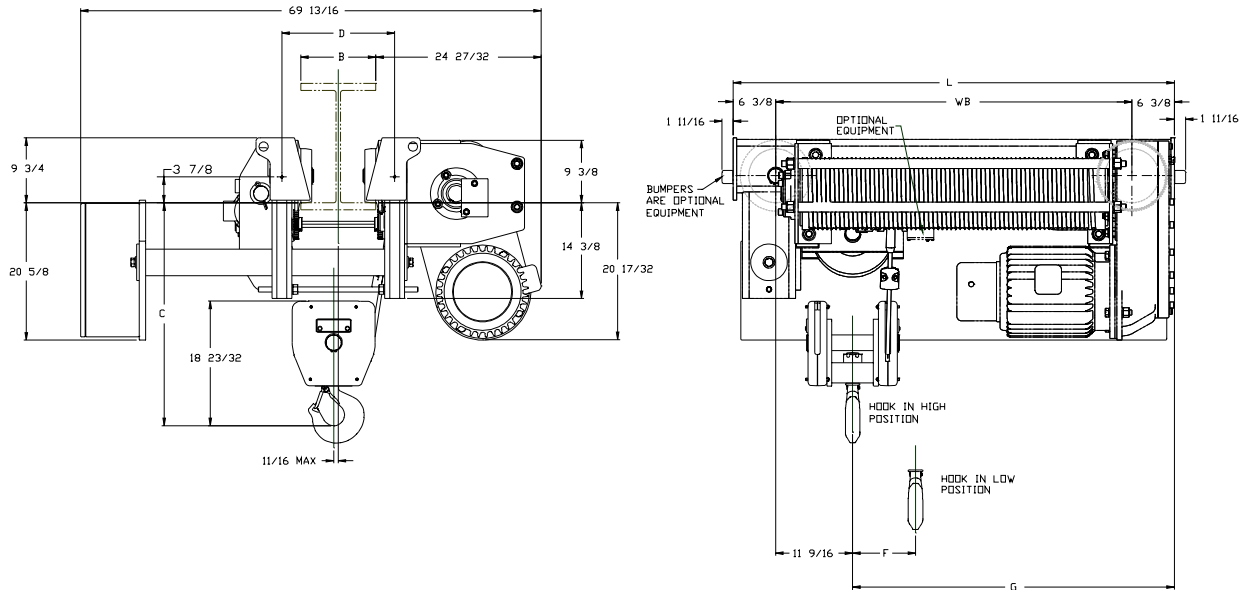
# Electric Wire Rope Hoists

WORLD  
SERIES

7½  
TONNE

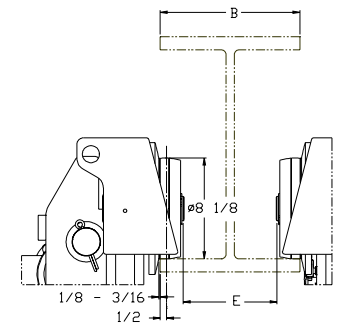
SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B)								
	4-5/8	6	8	10	12	14	16	18	20
C	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32
D	10-5/32	11-17/32	13-17/32	15-17/32	17-17/32	19-17/32	21-17/32	23-17/32	25-17/32
E	25/32	2-5/32	4-5/32	6-5/32	8-5/32	10-5/32	12-5/32	14-5/32	16-5/32



Dimensions Affected by Lift

Catalog Number	Hoist				Trolley		Wt. (lbs)	WB	F	G	L	Max. High Hook W. L.* (lbs)	
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)	H.P.						US (short) Tons	Metric Tonnes
WC2M07-025S24-2	25	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2700	39-1/2	5-15/16	34-5/16	52-1/4	5989	6568
WC2M07-040S24-2	40	24/4	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2950	53-1/2	9-7/16	48-5/16	66-1/4	6690	7337

Weights shown are for standard hoists listed. For approximate shipping weights, add 200 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts. Trolley is capable of running on beams from 4-5/8" - 20" wide with a flange thickness of 2".

\*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 15" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

# SHAW-BOX

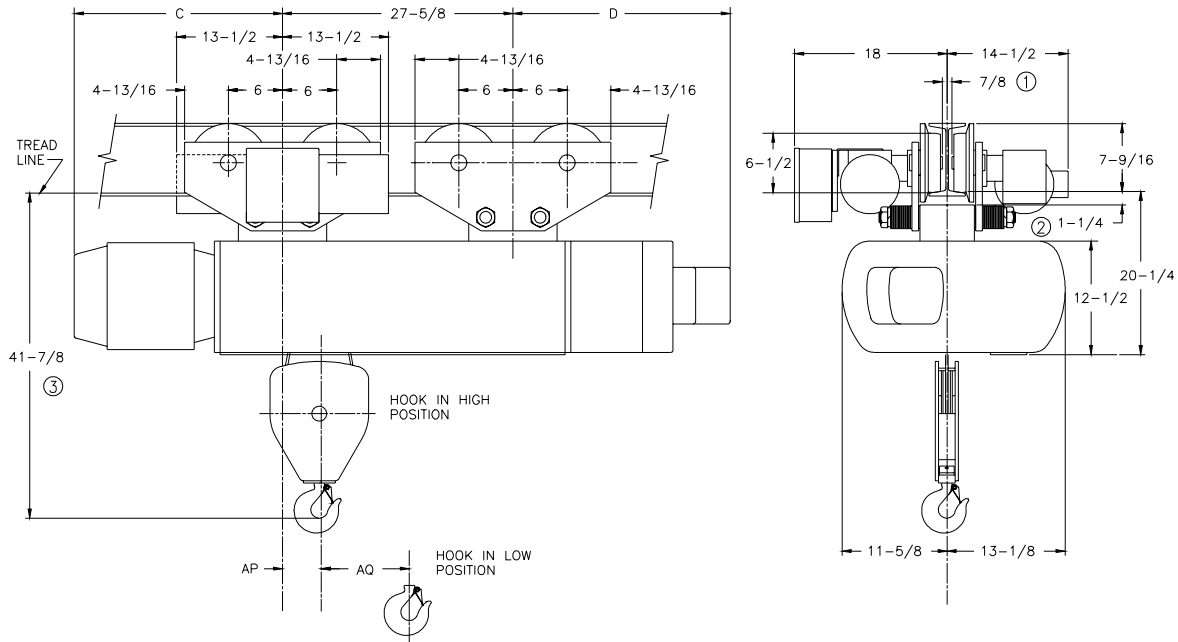
# Electric Wire Rope Hoists

700  
SERIES

10  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



MINIMUM RADIUS: Straight Track ④

CATALOG NUMBER	HOIST				TROLLEY		WEIGHT (LBS)	C	D	AP	AQ	ESTIMATED WHEEL LOAD*	
	MAX LIFT (FT)	HOIST SPEED (FPM)	HP	ROPE NO & DIA	SPEED (FPM)	HP						HIGH HOOK (LBS)	LOW HOOK (LBS)
72M10-025S14-1	25	14	10	6-7/16	50	(2) 1/4	1785	19-7/8	23-5/8	2-5/8	5-3/4	5449	4252
72M10-025S14-2	25	14/4.6	10/3.3	6-7/16	50	(2) 1/4	1805	23-7/8	23-5/8	2-5/8	5-3/4	5452	4255
72M10-040S14-1	40	14	10	6-7/16	50	(2) 1/4	2085	19-7/8	44-1/8	2-3/4	9-1/8	5464	3565
72M10-040S14-2	40	14/4.6	10/3.3	6-7/16	50	(2) 1/4	2105	23-7/8	44-1/8	2-3/4	9-1/8	5467	3568

Weights shown are for standard hoists listed. For approximate shipping weights, add 110 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

Trolley beam size range – beam flange width 4" min., 6-1/4" max; beam depth 8" min. standard, 6-3/8"-8-5/8" with 1st extension, 8-3/4"-11" with 2nd extension. See Optional Price section for extension pricing.

① Occurs on smallest beam size only. On larger beams, it is increased by the difference in flange width.

② Clearance shown is between lug and wheel tread.

③ Dimension increases 3" when hoist is equipped with screw type limit switch.

④ Can negotiate curves with addition of swivel trolley from the option pricing section. Headroom increases by 4-5/8".

\* Estimated wheel load per one (1) wheel. Includes live and dead load impacts.

# SHAW-BOX

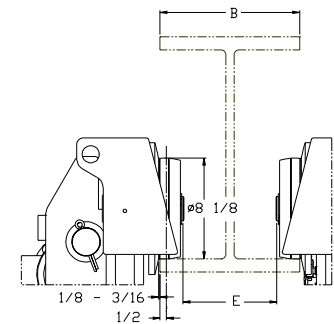
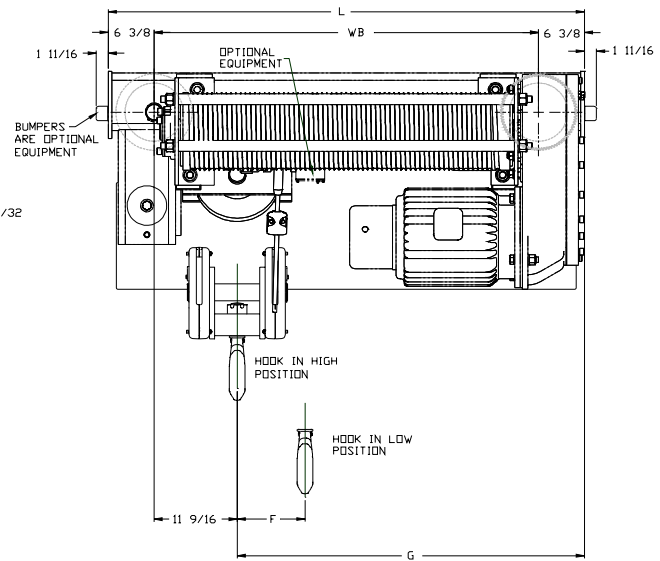
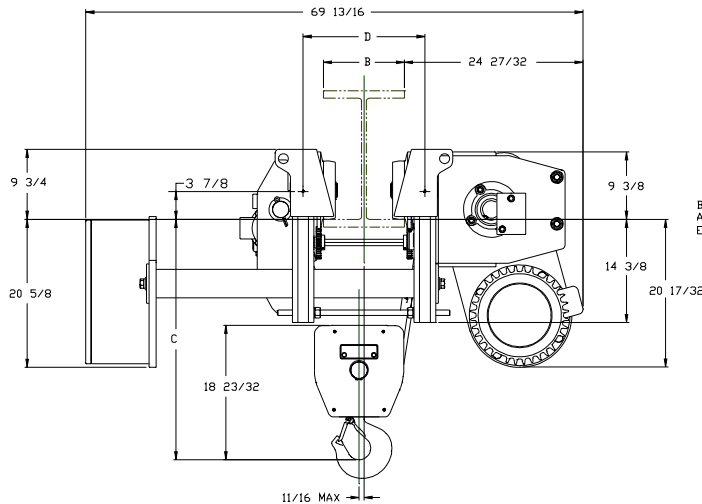
# Electric Wire Rope Hoists

WORLD  
SERIES

10  
TONNE

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY



Dimensions Affected by Beam Flange Width

Dimension	Trolley Beam Flange Width - (B)								
	4-5/8	6	8	10	12	14	16	18	20
C	31-3/8	31-11/32	31-1/8	31	30-27/32	30-7/32	29-15/32	28-7/32	25-31/32
D	10-5/32	11-17/32	13-17/32	15-17/32	17-17/32	19-17/32	21-17/32	23-17/32	25-17/32
E	25/32	2-5/32	4-5/32	6-5/32	8-5/32	10-5/32	12-5/32	14-5/32	16-5/32

Dimensions Affected by Lift

Catalog Number	Hoist			Trolley		Wt. (lbs)	WB	F	G	L	Max. High Hook W. L.* (lbs)		
	Max. Lift (ft)	Speed (fpm)	H.P.	Rope No. & Dia.	Speed (fpm)						H.P.	US (short) Tons	Metric Tonnes
WC2M10-025S20-2	25	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	2750	39-1/2	5-15/16	34-5/16	52-1/4	7872	8644
WC2M10-040S20-2	40	20/3.3	15/2.5	4-9/16	50/16.7	1/2 - 1/6	3000	53-1/2	9-7/16	48-5/16	66-1/4	8794	9657

Weights shown are for standard hoists listed. For approximate shipping weights, add 200 lbs. to the net weight given. Consult factory for weights of special hoists. Dimensions shown are in inches unless otherwise noted.

When used on smaller beams, beam must be free of all obstructions, such as clips, suspension bolts and nuts. Trolley is capable of running on beams from 4-5/8" - 20" wide with a flange thickness of 2".

\*Estimated wheel load is stated in US pounds and does not include live or dead load impacts. Wheel load is the maximum produced on one (1) wheel at full load in the high hook position. Wheel load is based on a beam flange width of 15" and will change as the beam flange width changes. Refer to pages 13 & 14 for more detailed information.

# Rapid Response Program

## Wire Rope Hoists

The hoists in the **Rapid Response Program** are our most popular models with the most commonly requested features. **There can be no modifications or options to the hoists in the program.** However, they offer the advantages of competitive pricing and fast delivery.

### MORE FEATURES, GREATER VALUE

- ◆ Weston Type Mechanical Load Brake
- ◆ DC Disc Hoist Motor Brake
- ◆ Helical or Helical/Spur Hoist Gearing
- ◆ Cast Alloy Hoist Gear Case
- ◆ Block Operated Upper Control Circuit Limit Switch
- ◆ Geared Upper/Lower Control Circuit Limit Switch
- ◆ NEMA 3R Panel
- ◆ Hoist and Trolley Panels Meet CSA Standards
- ◆ Fuses
- ◆ TAS in the Motor Windings

- ◆ 30 Minute Rated, TENV Motors with Class "F" Insulation
- ◆ Metal Sheaves
- ◆ Class H-4 Service per HMI
- ◆ Optional 2-Speed Hoist Control

- ◆ Optional Pendant Station
- ◆ Available for 230/460 Volts in Single Speed Control
- ◆ Available for 460 Volts only in Two Speed Versions
- ◆ Single Speed Trolley Traverse (Hand Push Option available on the 2-Ton Hoist only)



#### **Note:**

◆ *Trolleys are shipped loose for field mounting. Base price includes hoist and trolley; **does not include pendant station, collector pole or collectors.***

◆ *Please be certain to specify the beam size the hoist will run on and the power supply voltage with your order. Hoists are sold as is with no modifications. Hoists with other features required can be ordered through our standard order entry procedure.*

# Rapid Response Program

## Wire Rope Hoists

### SHAW-BOX Hoists and Trolleys

Units include all of the features listed on the preceding page.

Catalog Number	Series	Capacity (tons)	Lift	Hoist Speed (fpm)	List Price	Net Weight (lbs)	Std. †† Flange Width Range	
80M02-020S14-1R	800	2	20'	14	4228†	385	3 5/8" - 6"	
80M02-020S14-2R				14/4.66	4655†	400		
80M03-030S18-1R		3	30'	18	6183	535	4" - 6 1/4"	
80M03-030S18-2R				18/9	6612	540		
80M05-020S10-1R		700	5	20'	10	6680		545
80M05-020S10-2R					10/5	7107		560
72M05-026S15-1R	26'			15	7732	1050		
72M05-026S15-2R			15/5	8628	1110			
72M07-022S14-1R	7.5		22'	14	10452	1100		
72M07-022S14-2R				14/4.7	11647	1150		
72M10-025S14-1R	10	25'	14	13294	1660			
72M10-025S14-2R			14/4.6	14489	1710			
73M15-024S13-1R	15	24'	13	16855	2865	6" - 8 1/2"		
73M15-024S13-2R			13/4.5	18250	3105			

† Available with push trolley. **Deduct -(\$1203)** from list price for hoist with push trolley.

†† No charge for 1st and 2nd extension. See following dimensional pages for beam flange width ranges by extension.

#### **Notes:**

- ♦ Single speed hoists are available for 460/230 volt power. Two speed hoists are available for 460 volt power only.
- ♦ Fuses are pre-wired for 460 volt power. Adapter kit will be provided for field conversion to 230 volt for field installation by the purchaser.
- ♦ **Pushbutton stations are available at an additional cost for field mounting. Please reference the following page.**
- ♦ Please include the voltage and beam size the equipment will run on when ordering.
- ♦ Trolley traverse speed of 60 FPM on 2 Ton unit, 45 FPM on 15 Ton unit & 50 FPM on all others.



# Rapid Response Program

## Wire Rope Hoists

### **Add Price For SHAW-BOX RAPID RESPONSE HOIST ONLY**

**(Pendant Stations Not Included With Base Hoist)**

List prices are arranged by the various button combinations available per hoist lift.

Number of Buttons		On-Off	New Rapid Response Adders List Price (Hoist Lift in Feet)			
1 Speed	2 Speed		20'	25'	26'	30'
4	0	0	161	172	175	183
4	0	2	239	255	258	269
2	2	0	207	218	222	231
2	2	2	275	290	292	306
2	4	0	258	277	280	296
2	4	2	309	329	331	348
4	2	0	235	252	255	268
4	2	2	287	304	306	320
6	0	0	172	188	191	205
6	0	2	250	266	268	283
0	6	0	274	293	295	312
0	6	2	326	344	347	364

Price includes: NEMA 12 pendant station with the button quantity and type listed, control and strain reliever cable for the hoist lift selected. The length of the cables will be approximately equal to the lift less 2-1/2 feet.

The pendant will ship loose for field mounting by others.

Please give desired configuration with order.

# SHAW-BOX

# Rapid Response Hoists

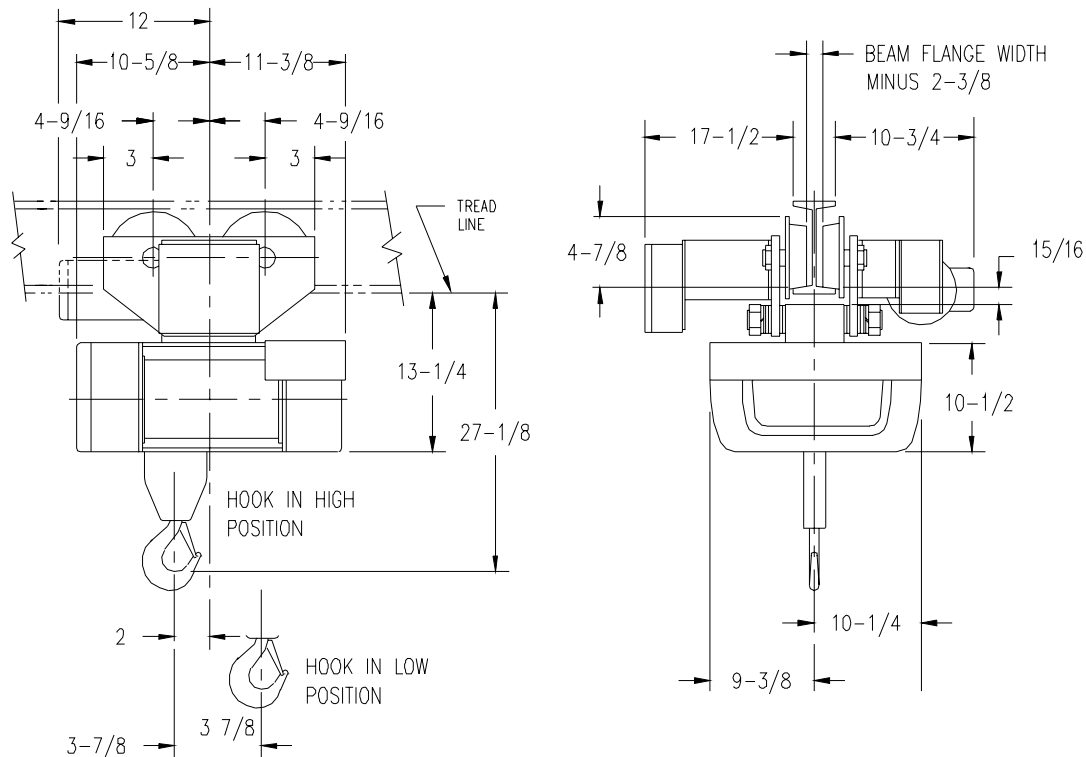
800  
SERIES

2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE OR TWO SPEED HOISTS



Lift: 20' - 0"  
 Hoist Speed: 14 F.P.M. or  $14\frac{1}{4}$ .66 F.P.M.  
 Hoist H.P. : 2 or  $2\frac{1}{66}$   
 Reeving: 2/1 parts  $\frac{5}{16}$ " Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
60	$\frac{1}{4}$	4"	5' - 0"	6"	8 - $\frac{5}{8}$ "	11 - $\frac{1}{4}$ "

Weights given are for standard hoists listed. For approximate shipping weights add 50 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

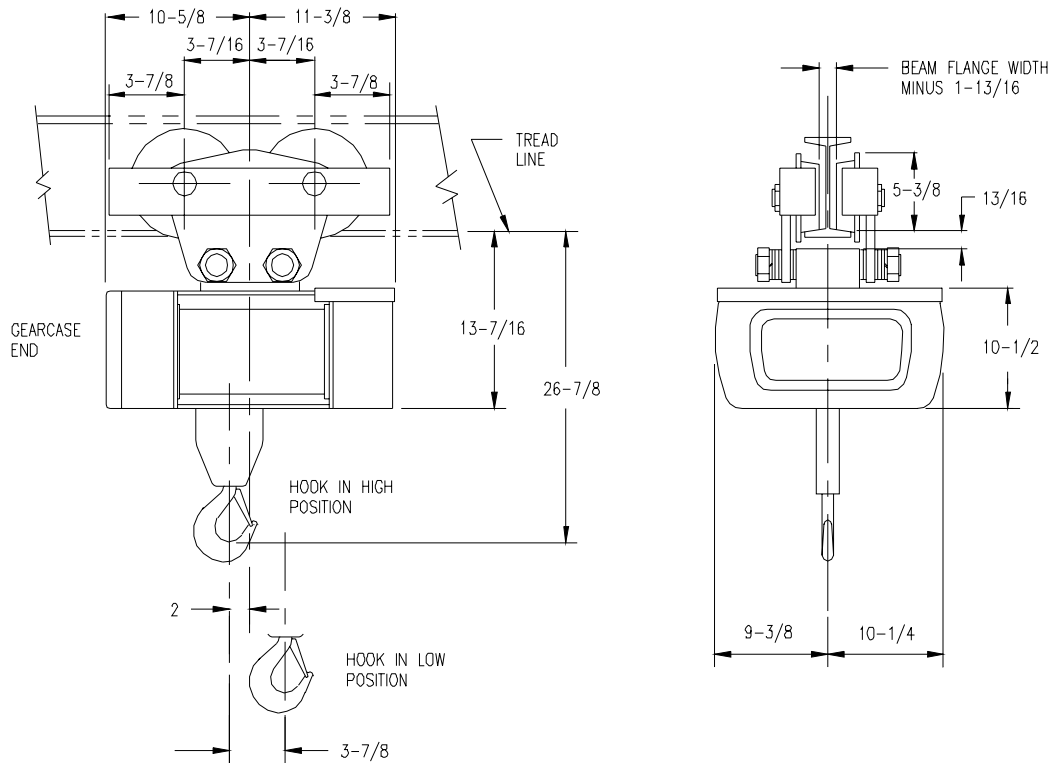
800  
SERIES

2  
TON

SINGLE  
REEVED

PUSH  
TROLLEY OPTION

## ONE OR TWO SPEED HOISTS



Lift: 20' - 0"  
 Hoist Speed: 14 F.P.M. or 14/4.66 F.P.M.  
 Hoist H.P. : 2 or 2/66  
 Reeving: 2/1 parts 5/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
Push	N/A	4 - 15/16"	5' - 0"	6"	8 - 7/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 50 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

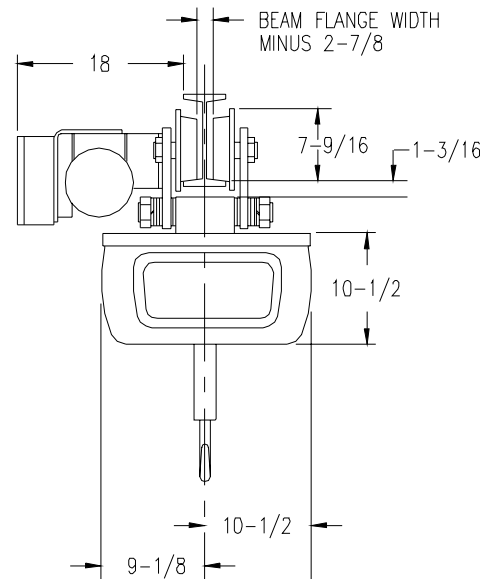
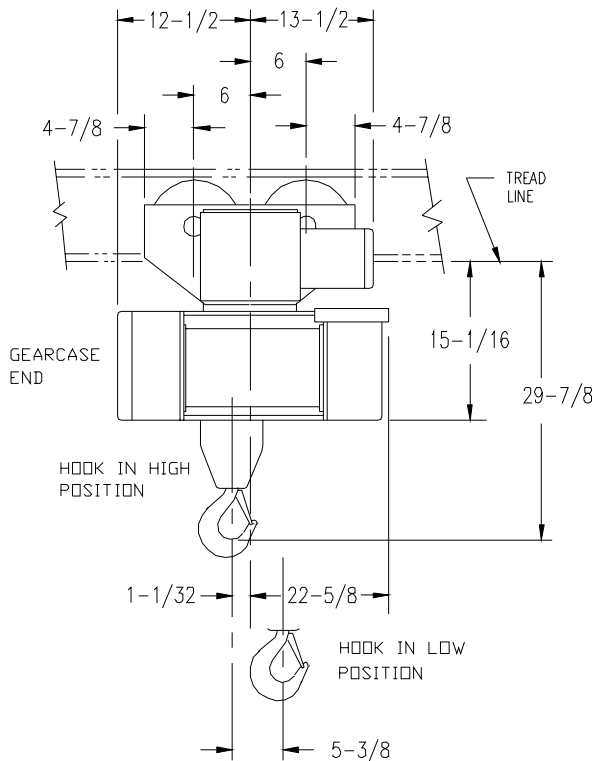
800  
SERIES

3  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE OR TWO SPEED HOISTS



Lift: 30' - 0"  
 Hoist Speed: 18 F.P.M. or 18/9 F.P.M.  
 Hoist H.P. : 4 or 4/2  
 Reeving: 4/1 parts 5/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

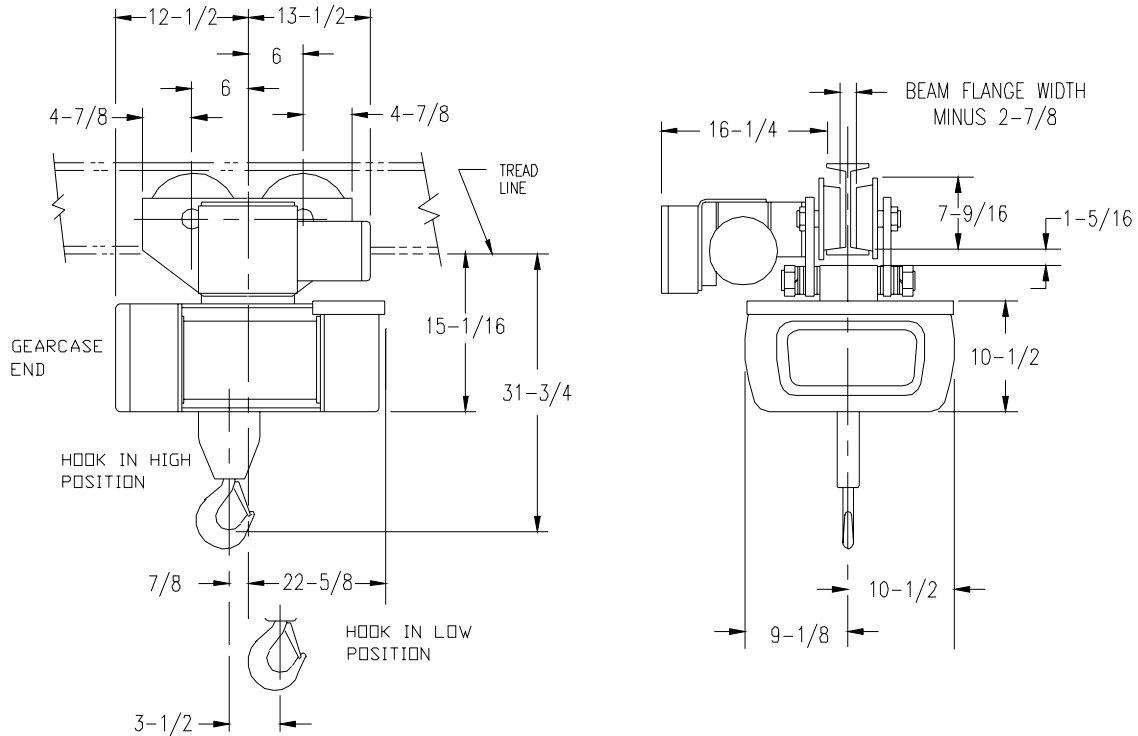
800  
SERIES

5  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE OR TWO SPEED HOISTS



Lift: 20' - 0"  
 Hoist Speed: 10 F.P.M. or 10/5 F.P.M.  
 Hoist H.P. : 4 or 4/2  
 Reeving: 6/1 parts 5/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

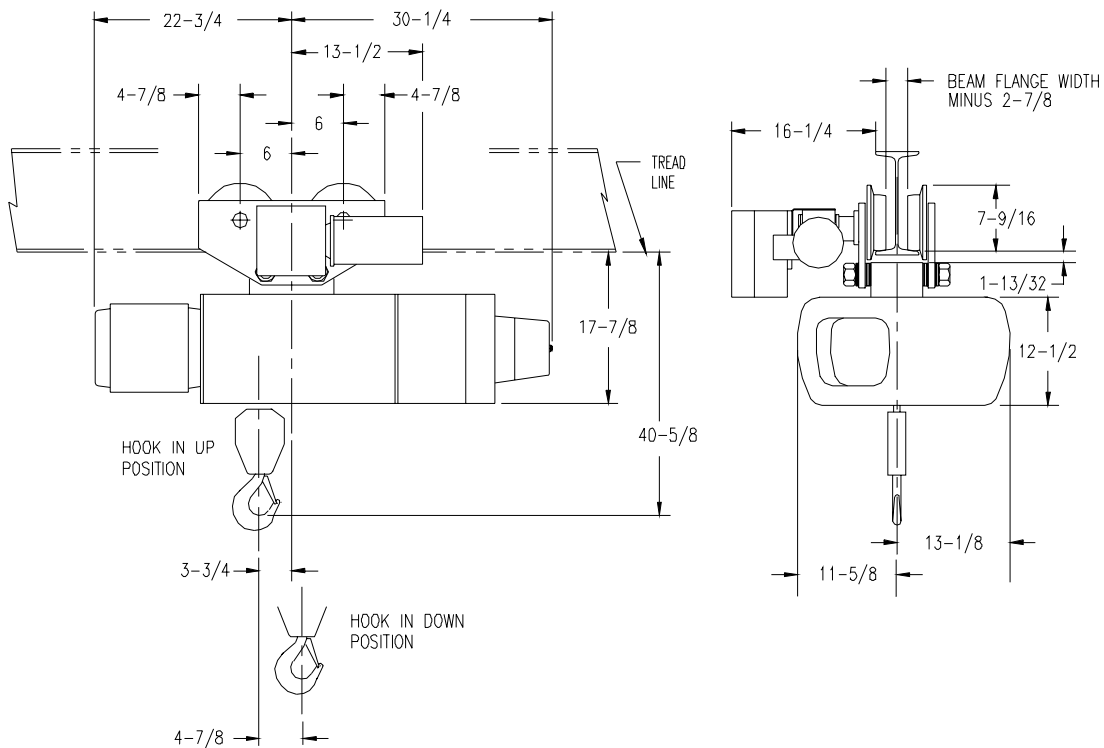
700  
SERIES

5  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE SPEED HOIST



Lift: 26' - 0"  
 Hoist Speed: 15 F.P.M.  
 Hoist H.P. : 5  
 Reeving: 4/1 parts 3/8" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

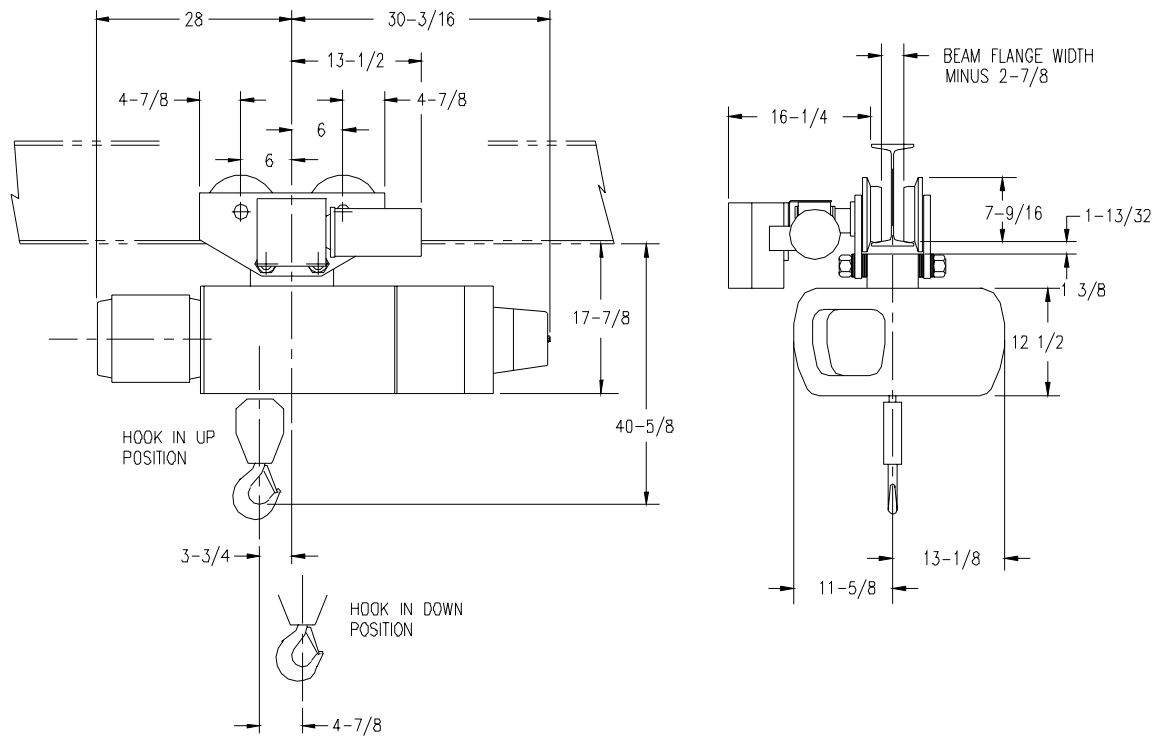
700  
SERIES

5  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## TWO SPEED HOIST



Lift: 26' - 0"  
 Hoist Speed: 15/5 F.P.M.  
 Hoist H.P. : 5/1.6  
 Reeving: 4/1 parts 3/8" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

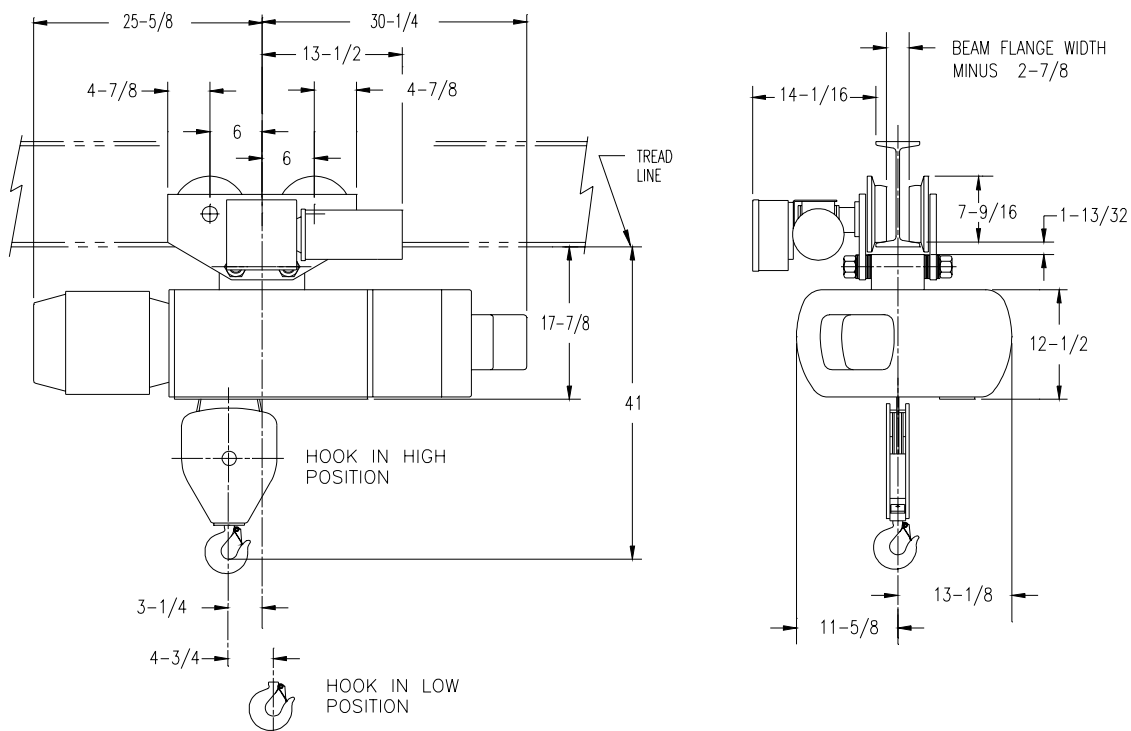
700  
SERIES

7-1/2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE SPEED HOIST



Lift: 22' - 0"  
 Hoist Speed: 14 F.P.M.  
 Hoist H.P. : 7-1/2  
 Reeving: 4/1 parts 7/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8' - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.



# SHAW-BOX

# Rapid Response Hoists

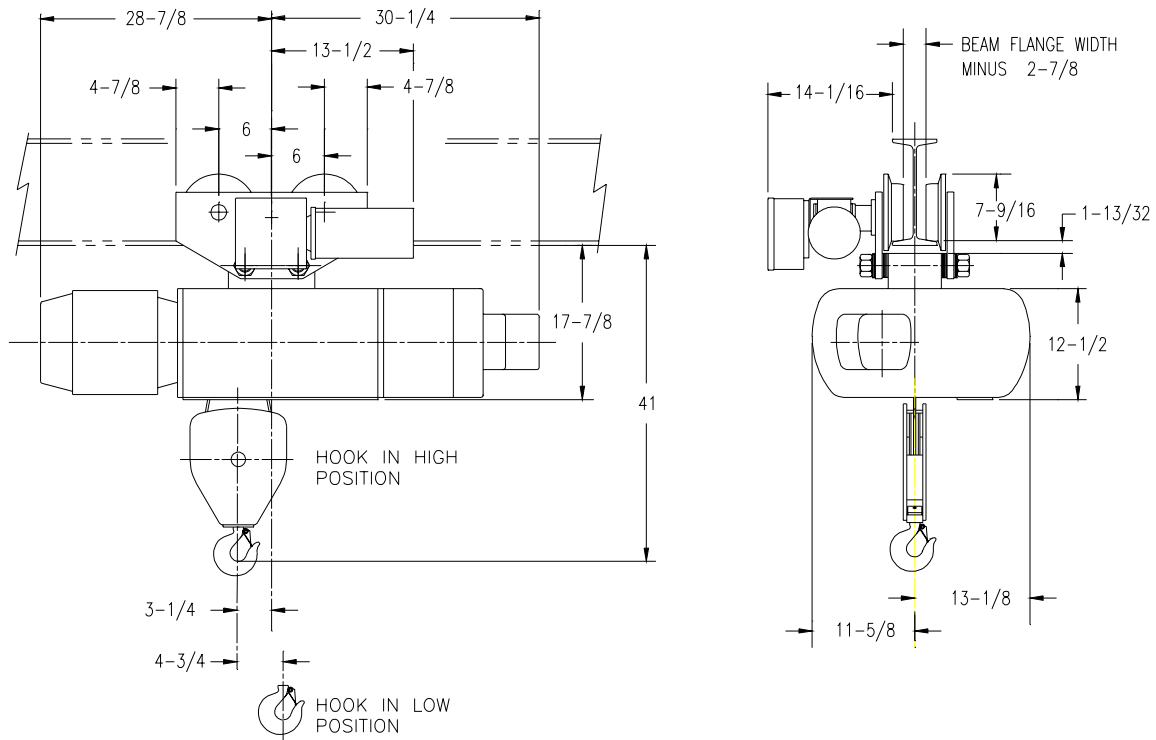
700  
SERIES

7-1/2  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## TWO SPEED HOIST



Drawing is Certified

Lift: 22' - 0"  
 Hoist Speed: 14/5 F.P.M.  
 Hoist H.P. : 7-1/2 / 2-1/2  
 Reeving: 4/1 parts 7/16" Dia.

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	1/2	6 - 1/2"	7' - 0"	6 - 1/4"	8' - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 110 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

# SHAW-BOX

# Rapid Response Hoists

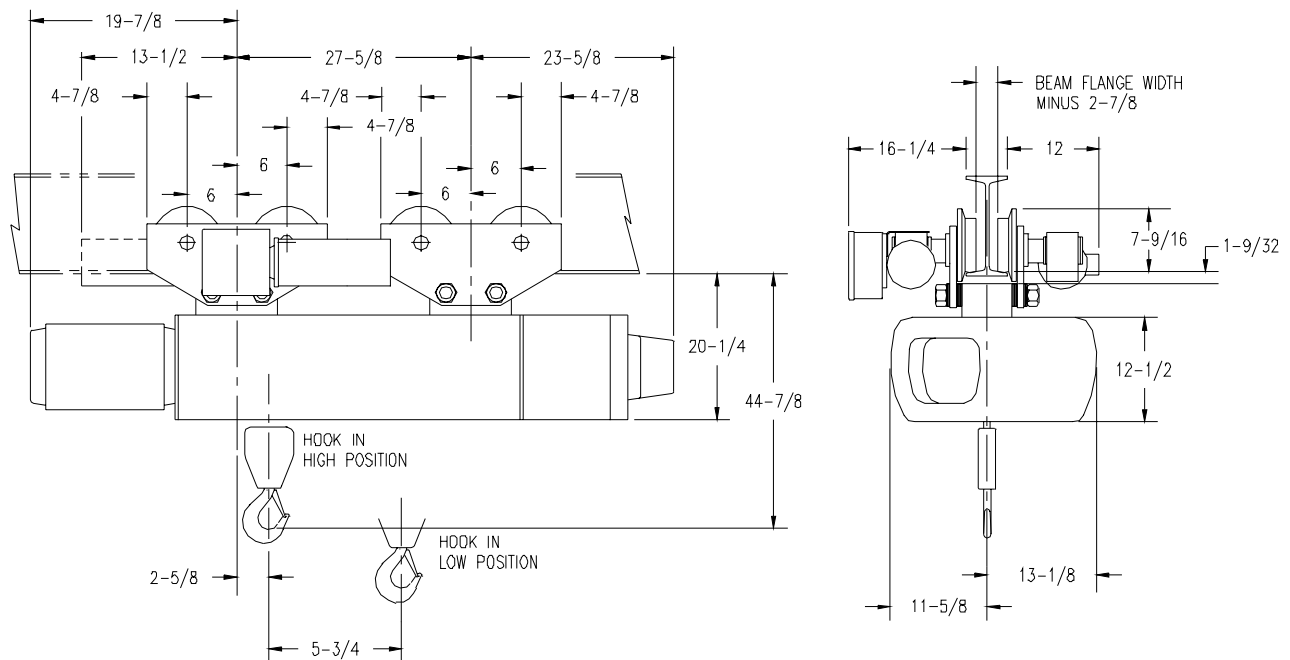
700  
SERIES

10  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## ONE SPEED HOIST



Lift: 25' - 0"  
 Hoist Speed: 14 F.P.M.  
 Hoist H.P. : 10  
 Reeving: 6/1 parts 7/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	(2) 1/4	6 - 1/2"	S.T.*	6' - 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 150 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

\*Straight Track Only.

# SHAW-BOX

# Rapid Response Hoists

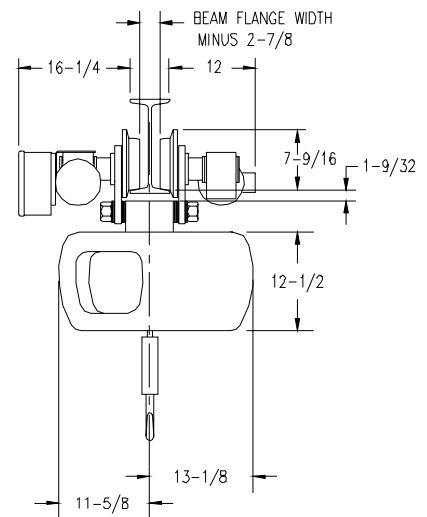
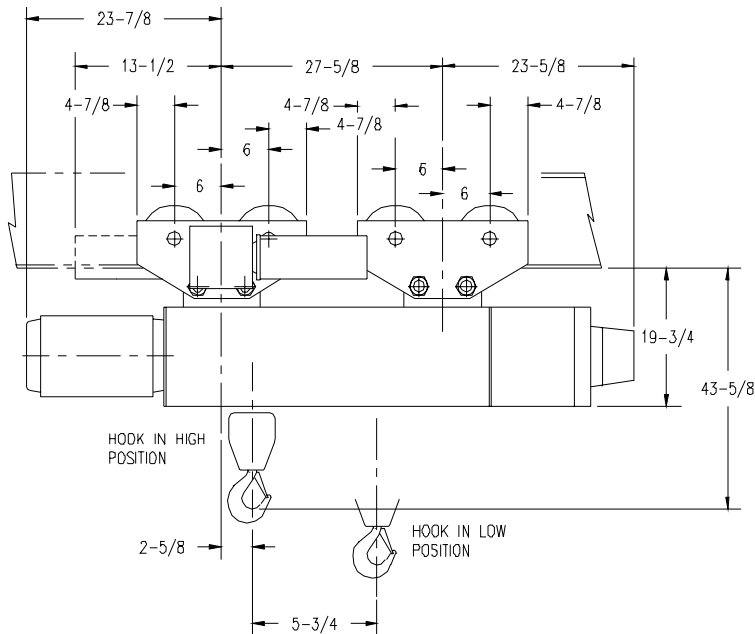
700  
SERIES

10  
TON

SINGLE  
REEVED

MOTOR DRIVEN  
TROLLEY

## TWO SPEED HOIST



Lift: 25' - 0"  
Hoist Speed: 14/4.6 F.P.M.  
Hoist H.P. : 10/3.3  
Reeving: 6/1 parts 7/16" Dia.

Drawing is Certified

Trolley				Flange Width Ranges		
Speed (fpm)	H.P.	Wheel Diameter	Minimum Radius	Maximum Standard	Maximum 1st. Extension	Maximum 2nd. Extension
50	(2) 1/4	6 - 1/2"	S.T.*	6'- 1/4"	8 - 5/8"	11"

Weights given are for standard hoists listed. For approximate shipping weights add 150 lbs. to the net weight given. Dimensions shown are in inches unless otherwise noted.

When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts, and nuts. Trolleys for wide flange beams refer to Optional Equipment.

\*Straight Track Only.

# Rapid Response Program

## Bridge Components

### END TRUCKS

The truck frame is manufactured from a single piece solid ASTM A500 Grade B rectangular steel tube with 3/8" walls throughout for maximum strength and minimum width. The truck rail sweeps (fabricated from 3/8" thick A-36 steel plate) protect the bridge from loose objects on the runway rail head. Conical rubber bumpers are provided mounted as standard.

Wheels are flat tread manufactured from 1045 steel and hardened to 400-450 BHN. The flat tread design allows the wheels to run on either ASCE type rail or square bar. Wheel bearings are life time lubricated ball bearings providing a minimum of 5,000 hours of L-10 bearing life. Maximum wheel load and bearing life are determined in accordance with CMAA Specification No. 70 dated 2000.



PAIR OF END TRUCKS									
For Spans Thru (ft)	Catalog Number	Wheel Diameter (in)	Wheel Base	Weight Less Drive (lbs)	Maximum Capacity (tons)	List Price	Maximum Equivalent Durability Wheel Loads (lbs) By ASCE Rail (Pe Allowable)		
							25#	30#	40#
36	444691-51R	6	4' - 6"	744	5	1793	8994	9560	11242
48	444691-52R		6' - 0"	840		1869			10076
60	444691-53R		7' - 6"	938		1974			8038
48	444695-52R	8	6' - 0"	1020	10	2711		12747	14990
60	444695-53R		7' - 6"	1148		2829			13802

The above chart contains allowable **Equivalent Durability Wheel Load** in accordance with CMAA Specification #74.

The cataloged end trucks are designed for the crane capacities, spans and speeds listed in the price book. When the actual maximum calculated wheel load exceeds the allowable Equivalent Durability Wheel Load shown in the above table, the actual equivalent durability wheel load must be calculated in accordance with paragraph 4.7 of CMAA Specification #74. Reference page 58 for equivalent durability wheel load calculations. If assistance is required to make this calculation contact our Application Engineering department. A Microsoft EXCEL spreadsheet is available upon request.

### END CONNECTION KIT ("WHALES TAIL")

Kit consists of two end connections for a single girder top-running crane built with structural shape beams. Can be used for either a welded or bolted connection.

444697-10

When purchasing with components ..... \$546    200 lbs.  
 When purchasing end connections only (per kit) ..... 598    200 lbs.

### BOLTED PLATE END CONNECTION KIT

Ships bolted to truck, will not interfere with end approach, no welding needed.

Truck Wheel Diameter	Single Girder List Price
6"	432
8"	541

# Rapid Response Program

## Bridge Components

### Fixed Axle Drives

Fixed axle drive units are comprised of an AC disc brake, motor, gear reducer and pinion mounted to the output shaft of the reducer. Two are required per crane. The gear reducers are spur geared with totally enclosed oil bath lubrication. The drive motors are TENV, 30 minute rated with class "F" insulation and temperature actuated switch for motor protection. Single speed motors are 1800 R.P.M., two speed motors are 1800/600 R.P.M. for a 3:1 speed ratio (except for the 1/2 hp motors used on 50 fpm drives which are 1200/600 R.P.M.) Motors are provided with an adjustable, 50% torque A.C. disc brake.

**Drive selection - sold in pairs. One pair required per crane - Specify voltage and desired speed.**

Drive Catalog Number	Single or Two Speed Motor	Motor H.P.	Weight (lbs)	List Price	Speeds Available* (fpm)					
					50	75	100	125	150	
					13:1	13:1	9:1	7:1	6:1	
913460	Single	1/2	164	1832	X	X	X	N/A	N/A	
913462		3/4		1862				X	X	
913464		1	184	1891				X	X	
913466		1-1/2	2104	N/A				X	X	
913470	Two	1/2	174	2056	X	X	X	N/A	N/A	
913471		3/4		2124				X	X	
913472		1	2192	X				X		
913473		1-1/2	194	2921				N/A	X	X

\* Reference Speed/Capacity/HP selection chart for correct drive hp and ratio.

For speeds over 100 fpm do not use single speed control. If using 2 speed control for speeds over 100 fpm include a soft start with the control. 50 fpm 2 speed drives have a 2:1 speed ratio. All others have 3:1.

Drive Horsepower Requirements for US (short) Ton Cranes				
Capacity (US Tons)	Span (ft)	Bridge Traverse Speed (fpm)		
		50	75	100
1 - 5	36	1/2	1/2	1/2
	48			3/4
	60		3/4	3/4
6 - 10	48	3/4	1	1-1/2
	60	1	1-1/2	

# Rapid Response Program

## Bridge Components

### NEMA 4/12 Panel with Built In Disconnect

Without Soft-Start For Bridge Traverse Motions

<u>Feature</u>	<u>1-3 h.p.</u>
NEMA 4/12 Panel	20W X 16H X 8.8"D
Mainline Contactor	30 Amp*
Control Transformer	115V/75VA
Disconnect with Panel Mounted Handle	30 Amp*
Fuses	Yes
Hinge Point	Horizontal at bottom of panel

For Maximum Total H.P.	Voltage	Single Speed			Two Speed		
		Catalog Number	List Price	Weight (lbs)	Catalog Number	List Price	Weight (lbs)
1	460	444231-41	1126	75	444232-41	1165	85
2		444231-42			444232-42		
3		444231-43			444232-43		

\* Please check the total amperage draw requirements for your crane application so the amperage limits of the mainline contactor and disconnect are not exceeded.

### Variable Frequency NEMA 4/12 Panel with Built In Disconnect

For Bridge Traverse Motions  
Speed range up to 20:1 (in F.P.M.)

<u>Feature</u>	<u>1 h.p.</u>
Electromotive	P3
CMAA Service Class	C
NEMA 4/12 Panel	20W X 16H X 8.5" D
Control Steps	2-step or 3-step infinitely variable
Mainline Contactor	30 Amp
Control Transformer	75VA
Disconnect with Panel Mounted Handle	30 Amp
External Dynamic Braking Resistor	Yes
Fuses	Yes
Hinge Point	Horizontal at bottom of panel

Power Supply	Maximum Total H.P.	Maximum Full Load Amps	Weight (lbs)	Catalog Number	List Price
230 Volts	1	5	50	448550-21	1804
460 Volts	2	3.4		448550-42	1877

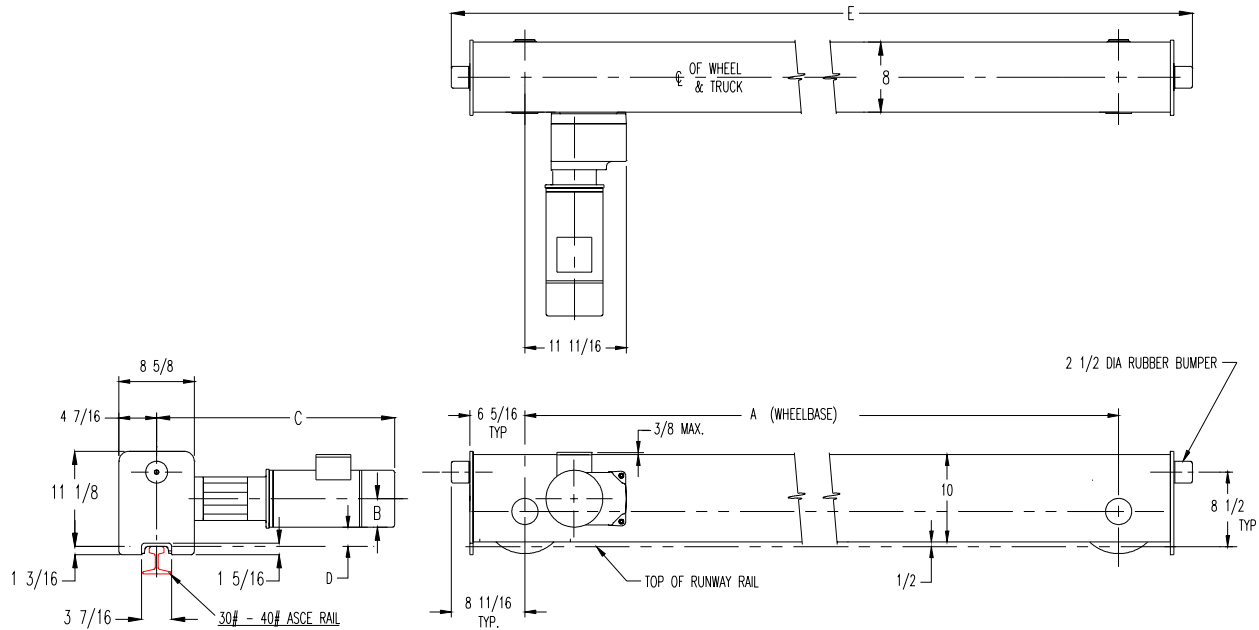
Not available in 575 volt



# Rapid Response Program

## Single Girder Top Running Bridge Components

### 8" WHEEL END TRUCK CLEARANCES



L.H. END TRUCK SHOWN  
R.H. BUILD OPPOSITE

Drawing #: TRAFTrk8A

Truck Catalog Number	A Wheel Base	E
444695-52	6' - 0"	7'-5 3/8"
444695-53	7' - 6"	8'-11 3/8"

Drive Motor H.P.	B*	C	D*
.5	3-3/8	24	2-1/8
.5/.167		25	
.75		24	
.75/.25		25	
1		26-3/4	
1/.33		28-1/2	
1.5	4	30-3/4	1-1/2
1.5/.5	3-3/8	27-3/4	2-1/8
2	4	30-3/4	1-1/2
2/.66		28	
3		30-3/4	
3/1			

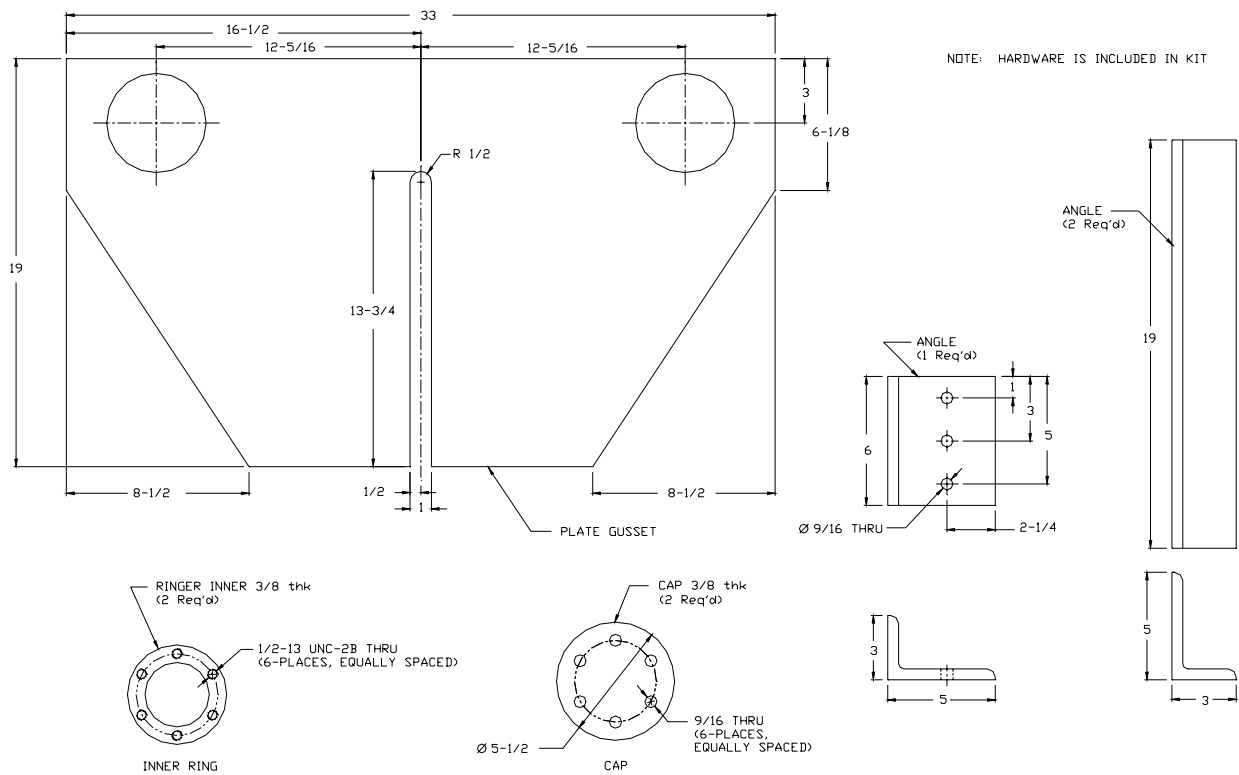
\* Not including conduit box



# Rapid Response Program

## End Connection Kit

### Catalog No. 444697-10 "Whales Tail" Dimensional Reference

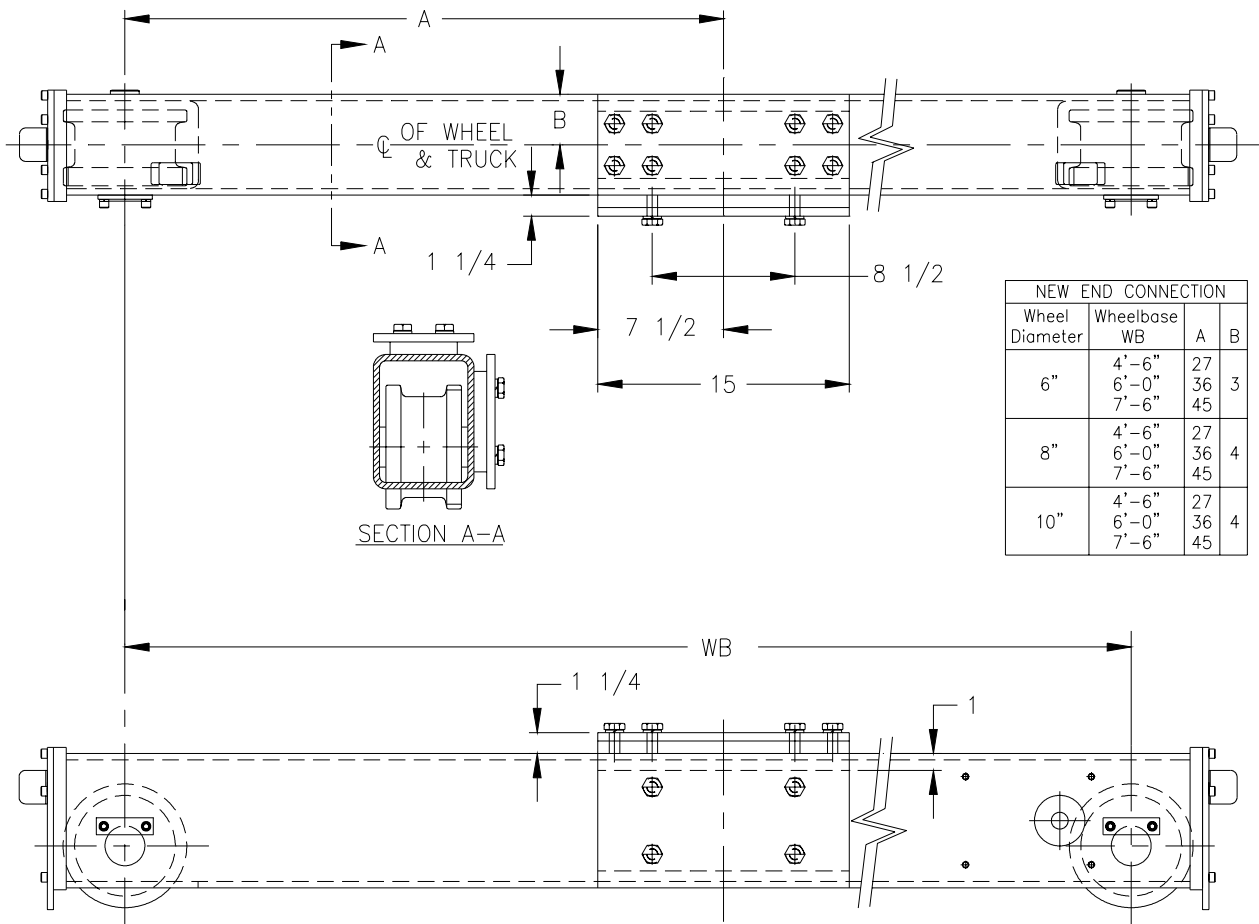


Illustrated are the contents (less connecting bolts) for 1/2 of the kit. One connection is provided for each end of the bridge girder

# Rapid Response Program

## End Connection Kit

### Bolted Plate End Connection Kit Dimensional Reference





# **SHAW-BOX®**

**Lift-Tech International, division of  
Columbus McKinnon Corp.**

414 West Broadway Avenue  
P.O. Box 769  
Muskegon, MI 49443-0769

Customer Service: **Phone** (800) 742-9269  
**Fax** (800) 742-9270

