

## ELECTRIC CHAIN HOISTS - STANDARD FEATURES

### Standard Features:



#### Dual Brake System

Disc type motor brake working with a Weston style mechanical load brake provides load lowering control. Electric brake is designed for easy access and simple adjustment.



#### Upper and Lower Limit Switch

Prevents overwinding by stopping operation in the case of overlifting or overlowering.



#### Overload Alert

Installed as a load detecting safety device to help prevent overload for greater hoist longevity.



#### Push Button Control

Compact design to enable one-handed operation. Rated NEMA 4 protection. Mushroom on/off button included. Push button cable has strain relief to prevent cable damage.



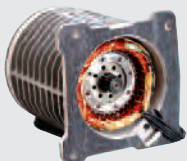
#### Electric Control Panel

Single speed hoists are re-connectable for 208-230-460 power supply. Controls are housed in a NEMA12 enclosure. Control transformer output is 115/1/60. Available in Variable Frequency Drive (VFD) for all motions. VFD is programmed for 2-speed operation. Standard power supply cord is 15 feet.



#### Heavy-Duty Hoist Motor

The hoist motor is a high torque design and is rated 30-minute duty. Class B motor insulation and standard thermal motor protection is included.



#### Load Sheave / Chain Guide

Full floating chain guide assures proper engagement of chain on load sheave. Features 4 or 5 pockets for better distribution of the load.



#### Load Chain

Grade 80 load chain is case hardened and has a high resistance to wear and corrosion. All hoists are stocked with 20 feet of lift. Longer lifts are available per requirement. Nickel Plated load chain is available as an option.



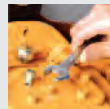
#### Hooks

Load hook is a forged carbon steel hook with a heavy-duty hook latch. Thrust bearing in hook allows 360° rotation to prevent twisting of load chain. Top hook, for hook suspended hoists, is rigid.



#### Chain Container

Chain container is standard equipment and is either molded with thick polypropylene material or fabricated from steel to securely contain the chain and chain lubricant. Optional containers are available for long lift applications.



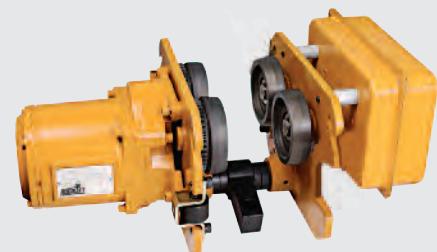
#### Gear Box / Oil Lubrication

The gearbox utilizes an alloy steel helical and spur gear reduction. Gear inspection and lubrication is easily accessible from the top of the hoist.



#### Motorized and Push / Pull Trolley

Trolley is adjustable for a range of flange widths. Side guide rollers are included to promote smooth trolley motion and to minimize wheel and beam wear. Wheels are dual tread design for operation on tapered or flat flange beams. Trolleys include drop down lugs and rubber bumpers (not shown in photo). Motorized trolley motor includes class B insulation and a disc type motor brake. Motor is rated for 15-minute duty and includes standard thermal motor protection.



## ELECTRIC CHAIN HOISTS - HOOK SUSPENSION

### Electric Chain Hoists - Single Speed / Hook Suspension:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor |             |           | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|--------------|-----------------|-------------------------------|---------------------|-------------|-------------|-----------|--|----------------------------|----------------|
|             |              |                 |                               |                     | HP          | Amp. Draw   |           |  |                            |                |
|             |              |                 |                               |                     |             | 208V & 230V | 460V      |  |                            |                |
| 1           | 2130020      | 20              | 18                            | 17                  | 2.4         | 9.2         | 4.2       | .280 X (1)                                   | 0.67                       | 165            |
| 1           | 2130030      | 20              | 18                            | 27                  | 2.4         | 9.2         | 4.2       | .280 X (1)                                   | 0.67                       | 165            |
| 2           | 2130040      | 20              | 18                            | 13                  | 2.4         | 9.2         | 4.2       | .280 X (2)                                   | 1.34                       | 198            |
| 2           | 2130050      | 20              | 18                            | 27                  | 4.7         | 17          | 7.9       | .441 X (1)                                   | 1.81                       | 282            |
| 3           | 2130060      | 20              | 18                            | 17                  | 4.7         | 17          | 7.9       | .374 X (2)                                   | 2.69                       | 348            |
| 5           | 2130070      | 20              | 18                            | 11                  | 4.7         | 17          | 7.9       | .441 X (2)                                   | 3.63                       | 388            |
| 7.5         | 2130075      | 20              | 18                            | 7                   | 4.7         | 17          | 7.9       | .441 X (3)                                   | 5.43                       | 536            |
| 10          | 2130080      | 20              | 18                            | 11                  | 4.7 X (2)   | 17 X (2)    | 7.9 X (2) | .441 X (4)                                   | 7.26                       | 860            |

### Electric Chain Hoists - Inverter Control / Hook Suspension:

| Cap. (Tons) | Model Number    | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Hoist Motor |             |      | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|-----------------|-----------------|-------------------------------|---------------------|-------------|-------------|------|--|----------------------------|----------------|
|             |                 |                 |                               |                     | HP          | Amp. Draw   |      |  |                            |                |
|             |                 |                 |                               |                     |             | 208V & 230V | 460V |  |                            |                |
| 1           | 2130030-VFD-230 | 20              | 18                            | 21/7                | 2.4         | 9.2         | -    | .280 X (1)                                   | 0.67                       | 170            |
| 1           | 2130030-VFD-460 | 20              | 18                            | 21/7                | 2.4         | -           | 4.2  | .280 X (1)                                   | 0.67                       | 170            |
| 2           | 2130050-VFD-230 | 20              | 18                            | 21/7                | 4.7         | 17          | -    | .441 X (1)                                   | 1.81                       | 287            |
| 2           | 2130050-VFD-460 | 20              | 18                            | 21/7                | 4.7         | -           | 7.9  | .441 X (1)                                   | 1.81                       | 287            |
| 3           | 2130060-VFD-230 | 20              | 18                            | 15/5                | 4.7         | 17          | -    | .374 X (2)                                   | 2.69                       | 353            |
| 3           | 2130060-VFD-460 | 20              | 18                            | 15/5                | 4.7         | -           | 7.9  | .374 X (2)                                   | 2.69                       | 353            |
| 5           | 2130070-VFD-230 | 20              | 18                            | 11/4                | 4.7         | 17          | -    | .441 X (2)                                   | 3.63                       | 393            |
| 5           | 2130070-VFD-460 | 20              | 18                            | 11/4                | 4.7         | -           | 7.9  | .441 X (2)                                   | 3.63                       | 393            |



## DIMENSIONS - HOOK SUSPENSION HOISTS

### 1 TO 5 TON HOOK SUSPENSION HOISTS:

Figure A

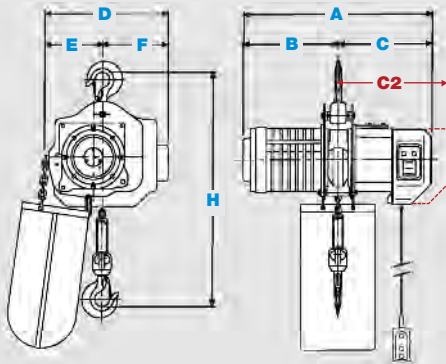
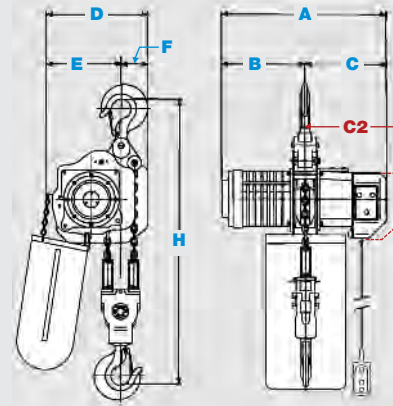


Figure B



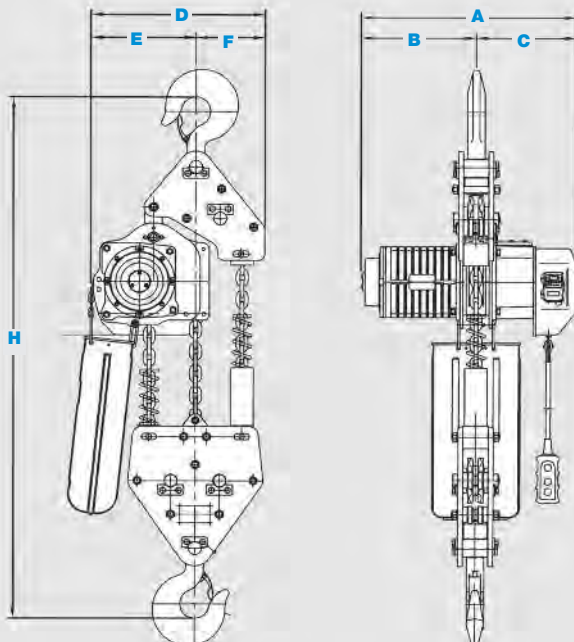
Dimensions in Inches (Nominal). *For hook dimensions, see page 11.*

| Model Number | A    | B    | C    | C2*  | D    | E    | F    | H    | Figure |
|--------------|------|------|------|------|------|------|------|------|--------|
| 2130020      | 22.5 | 11.7 | 10.8 | -    | 14.2 | 6.7  | 7.5  | 20   | A      |
| 2130030      | 22.5 | 11.7 | 10.8 | 12.8 | 14.2 | 6.7  | 7.5  | 20   | A      |
| 2130040      | 22.5 | 11.7 | 10.8 | -    | 14.2 | 8.6  | 5.6  | 30   | B      |
| 2130050      | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 7.8  | 9.1  | 27   | A      |
| 2130060      | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 10.2 | 6.7  | 36   | B      |
| 2130070      | 26.0 | 13.7 | 12.3 | 13.5 | 16.9 | 10.7 | 6.2  | 42   | B      |
| 2130075      | 26.0 | 13.7 | 12.3 | -    | 21.2 | 12.8 | 8.4  | 57.7 | C      |
| 2130080      | 27.4 | 13.7 | 13.7 | -    | 39.4 | 19.7 | 19.7 | 51.6 | D      |

\* Inverter Control Models only.

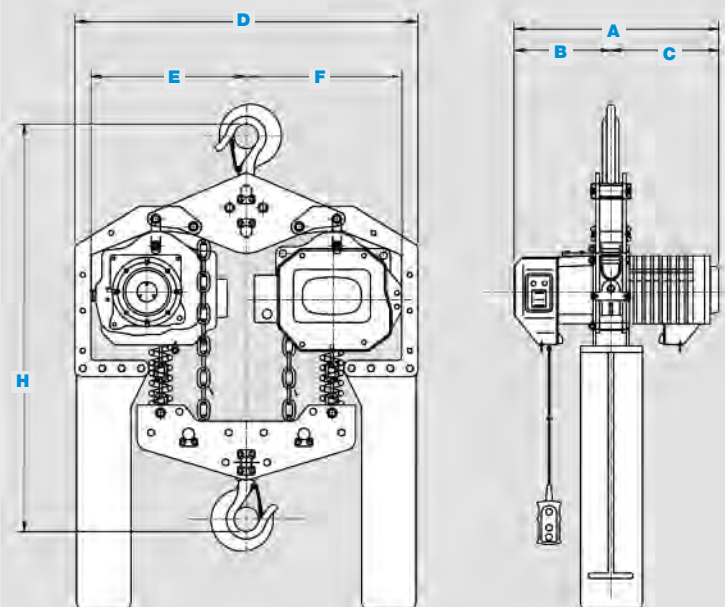
### 7-1/2 TON HOOK SUSPENSION HOIST:

Figure C



### 10 TON HOOK SUSPENSION HOIST:

Figure D



## ELECTRIC CHAIN HOISTS - PUSH / PULL TROLLEY

### Electric Chain Hoists - Single Speed Push / Pull Trolley:

| Cap.<br>(Tons) | Model<br>Number | Std.<br>Lift<br>(ft.) | Push<br>Button<br>Cord<br>Length<br>(ft.) | Lifting<br>Speed<br>(fpm) | Hoist Motor |                |      | Flange<br>Width<br>Adjustability<br>(in.) | Wheel<br>Diameter | Min.<br>Beam<br>Radius<br>(in.) | Load Chain<br>Diameter<br>(in.) X<br>Chain Fall<br>Lines | Add'l<br>1 ft. of<br>Lift<br>(lbs.) | Net<br>Wt.<br>(lbs.) |
|----------------|-----------------|-----------------------|---|---------------------------|-------------|----------------|------|---|-------------------|---------------------------------|--|-------------------------------------|----------------------|
|                |                 |                       |   |                           | HP          | Amp. Draw      |      |   |                   |                                 |  |                                     |                      |
|                |                 |                       |   |                           |             | 208V &<br>230V | 460V |   |                   |                                 |  |                                     |                      |
| 1              | 2130020-PT      | 20                    | 18  | 17                        | 2.4         | 9.2            | 4.2  | 3.25 to 12                                | 3.8               | 31.5                            | .280 X (1)   | 0.67                                | 183                  |
| 1              | 2130030-PT      | 20                    | 18  | 27                        | 2.4         | 9.2            | 4.2  | 3.25 to 12                                | 3.8               | 31.5                            | .280 X (1)   | 0.67                                | 183                  |
| 2              | 2130040-PT      | 20                    | 18  | 13                        | 2.4         | 9.2            | 4.2  | 3.25 to 12                                | 4.3               | 31.5                            | .280 X (2)   | 1.34                                | 238                  |
| 2              | 2130050-PT      | 20                    | 18  | 27                        | 4.7         | 17             | 7.9  | 3.25 to 12                                | 4.3               | 31.5                            | .441 X (1)   | 1.81                                | 333                  |
| 3              | 2130060-PT      | 20                    | 18  | 17                        | 4.7         | 17             | 7.9  | 3.25 to 12                                | 5                 | 39.4                            | .374 X (2)   | 2.69                                | 452                  |
| 5              | 2130070-PT      | 20                    | 18  | 11                        | 4.7         | 17             | 7.9  | 3.25 to 12                                | 5.5               | 70.9*                           | .441 X (2)   | 3.63                                | 534                  |

### Electric Chain Hoists - Inverter Control Push / Pull Trolley:

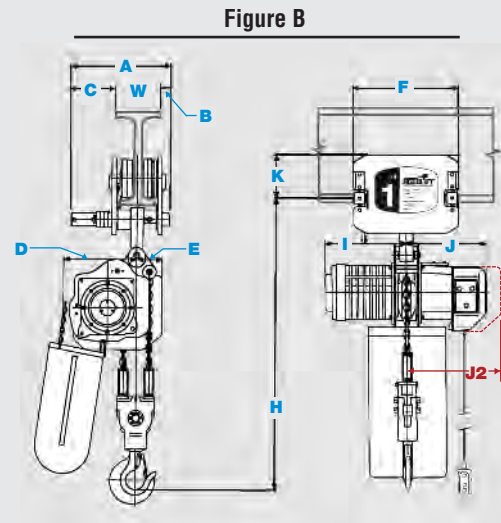
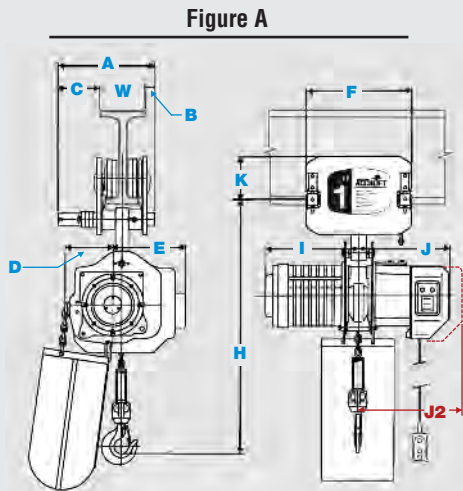
| Cap.<br>(Tons) | Model<br>Number    | Std.<br>Lift<br>(ft.) | Push<br>Button<br>Cord<br>Length<br>(ft.) | Lifting<br>Speed<br>(fpm) | Hoist Motor |                |      | Flange<br>Width<br>Adjustability<br>(in.) | Wheel<br>Diameter | Min.<br>Beam<br>Radius<br>(in.) | Load Chain<br>Diameter<br>(in.) X<br>Chain Fall<br>Lines | Add'l<br>1 ft. of<br>Lift<br>(lbs.) | Net<br>Wt.<br>(lbs.) |
|----------------|--------------------|-----------------------|---|---------------------------|-------------|----------------|------|---|-------------------|---------------------------------|--|-------------------------------------|----------------------|
|                |                    |                       |   |                           | HP          | Amp. Draw      |      |   |                   |                                 |  |                                     |                      |
|                |                    |                       |   |                           |             | 208V &<br>230V | 460V |   |                   |                                 |  |                                     |                      |
| 1              | 2130030-VFD-230-PT | 20                    | 18  | 21/7                      | 2.4         | 9.2            | -    | 3.25 to 12                                | 3.8               | 31.5                            | .280 X (1)   | 0.67                                | 193                  |
| 1              | 2130030-VFD-460-PT | 20                    | 18  | 21/7                      | 2.4         | -              | 4.2  | 3.25 to 12                                | 3.8               | 31.5                            | .280 X (1)   | 0.67                                | 193                  |
| 2              | 2130050-VFD-230-PT | 20                    | 18  | 21/7                      | 4.7         | 17             | -    | 3.25 to 12                                | 4.3               | 31.5                            | .441 X (1)   | 1.81                                | 343                  |
| 2              | 2130050-VFD-460-PT | 20                    | 18  | 21/7                      | 4.7         | -              | 7.9  | 3.25 to 12                                | 4.3               | 31.5                            | .441 X (1)   | 1.81                                | 343                  |
| 3              | 2130060-VFD-230-PT | 20                    | 18  | 15/5                      | 4.7         | 17             | -    | 3.25 to 12                                | 5                 | 39.4                            | .374 X (2)   | 2.69                                | 462                  |
| 3              | 2130060-VFD-460-PT | 20                    | 18  | 15/5                      | 4.7         | -              | 7.9  | 3.25 to 12                                | 5                 | 39.4                            | .374 X (2)   | 2.69                                | 462                  |
| 5              | 2130070-VFD-230-PT | 20                    | 18  | 11/4                      | 4.7         | 17             | -    | 3.25 to 12                                | 5.5               | 70.9*                           | .441 X (2)   | 3.63                                | 544                  |
| 5              | 2130070-VFD-460-PT | 20                    | 18  | 11/4                      | 4.7         | -              | 7.9  | 3.25 to 12                                | 5.5               | 70.9*                           | .441 X (2)   | 3.63                                | 544                  |

\* Applies to a beam flange width of 4" and over.



**DIMENSIONS - PUSH / PULL TROLLEY HOISTS**

**1 TO 5 TON PUSH / PULL TROLLEY HOISTS:**



Dimensions in Inches (Nominal). **For hook dimensions, see page 11.**

| Model Number | A    | B   | C<br>W = Beam width | D    | E   | F    | H  | I    | J    | J2*  | K   | Figure |
|--------------|------|-----|---------------------|------|-----|------|----|------|------|------|-----|--------|
| 2130020-PT   | 17   | 1.8 | 15.2 - W            | 6.7  | 7.5 | 11.7 | 21 | 11.7 | 10.8 | -    | 5.2 | A      |
| 2130030-PT   | 17   | 1.8 | 15.2 - W            | 6.7  | 7.5 | 11.7 | 21 | 11.7 | 10.8 | 12.8 | 5.2 | A      |
| 2130040-PT   | 17.5 | 1.8 | 15.7 - W            | 8.6  | 5.6 | 12.4 | 30 | 11.7 | 10.8 | -    | 5.2 | B      |
| 2130050-PT   | 17.5 | 1.8 | 15.7 - W            | 7.8  | 9.1 | 12.4 | 27 | 13.7 | 12.3 | 13.5 | 5.2 | A      |
| 2130060-PT   | 18   | 2.2 | 15.8 - W            | 10.2 | 6.6 | 14.2 | 35 | 13.7 | 12.3 | 13.5 | 5.8 | B      |
| 2130070-PT   | 18.8 | 2.4 | 16.4 - W            | 10.7 | 5.9 | 16.1 | 42 | 13.7 | 12.3 | 13.5 | 6.1 | B      |

\* Inverter Control Models only.

## ELECTRIC CHAIN HOISTS - MOTORIZED TROLLEY

### Electric Chain Hoists - Single Speed / Motorized Trolley:

| Cap. (Tons) | Model Number | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Trolley Speed (fpm) | Hoist Motor |             |          | Trolley Motor |             |          | Flange Width Adjustability (in.) | Wheel Dia. | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|--------------|-----------------|-------------------------------|---------------------|---------------------|-------------|-------------|----------|---------------|-------------|----------|----------------------------------|------------|------------------------|--|----------------------------|----------------|
|             |              |                 |                               |                     |                     | HP          | Amp. Draw   |          | HP            | Amp. Draw   |          |                                  |            |                        |  |                            |                |
|             |              |                 |                               |                     |                     |             | 208V & 230V | 460V     |               | 208V & 230V | 460V     |                                  |            |                        |  |                            |                |
| 1           | 2130120      | 20              | 18                            | 17                  | 36                  | 2.4         | 9.2         | 4.2      | .54           | 3.3         | 1.5      | 3.25 to 12                       | 3.8        | 31.5                   | .280 X (1)                                   | 0.67                       | 238            |
| 1           | 2130130      | 20              | 18                            | 27                  | 36                  | 2.4         | 9.2         | 4.2      | .54           | 3.3         | 1.5      | 3.25 to 12                       | 3.8        | 31.5                   | .280 X (1)                                   | 0.67                       | 238            |
| 2           | 2130140      | 20              | 18                            | 13                  | 36                  | 2.4         | 9.2         | 4.2      | .54           | 3.3         | 1.5      | 3.25 to 12                       | 4.3        | 31.5                   | .280 X (2)                                   | 1.34                       | 293            |
| 2           | 2130150      | 20              | 18                            | 27                  | 36                  | 4.7         | 17          | 7.9      | .54           | 3.3         | 1.5      | 3.25 to 12                       | 4.3        | 31.5                   | .441 X (1)                                   | 1.81                       | 388            |
| 3           | 2130160      | 20              | 18                            | 17                  | 33                  | 4.7         | 17          | 7.9      | 1             | 5.1         | 2.2      | 3.25 to 12                       | 5          | 39.4                   | .374 X (2)                                   | 2.69                       | 507            |
| 5           | 2130170      | 20              | 18                            | 11                  | 33                  | 4.7         | 17          | 7.9      | 1             | 5.1         | 2.2      | 3.25 to 12                       | 5.5        | 70.9*                  | .441 X (2)                                   | 3.63                       | 589            |
| 7.5         | 2130175      | 20              | 18                            | 7                   | 33                  | 4.7         | 17          | 7.9      | 1X(2)         | 5.1 X(2)    | 2.2 X(2) | 5 to 12                          | 5.5        | 98.4**                 | .441 X (3)                                   | 5.43                       | 1124           |
| 10          | 2130180      | 20              | 18                            | 11                  | 33                  | 4.7 X(2)    | 17 X(2)     | 7.9 X(2) | 1X(2)         | 5.1 X(2)    | 2.2 X(2) | 3.25 to 12                       | 5.5        | 98.4**                 | .441 X (4)                                   | 7.26                       | 1400           |

### Electric Chain Hoists - Inverter Control / Motorized Trolley:

| Cap. (Tons) | Model Number    | Std. Lift (ft.) | Push Button Cord Length (ft.) | Lifting Speed (fpm) | Trolley Speed (fpm) | Hoist Motor |             |      | Trolley Motor |             |      | Flange Width Adjustability (in.) | Wheel Dia. | Min. Beam Radius (in.) | Load Chain Diameter (in.) X Chain Fall Lines | Add'l 1 ft. of Lift (lbs.) | Net Wt. (lbs.) |
|-------------|-----------------|-----------------|-------------------------------|---------------------|---------------------|-------------|-------------|------|---------------|-------------|------|----------------------------------|------------|------------------------|--|----------------------------|----------------|
|             |                 |                 |                               |                     |                     | HP          | Amp. Draw   |      | HP            | Amp. Draw   |      |                                  |            |                        |  |                            |                |
|             |                 |                 |                               |                     |                     |             | 208V & 230V | 460V |               | 208V & 230V | 460V |                                  |            |                        |  |                            |                |
| 1           | 2130130-VFD-230 | 20              | 18                            | 21/7                | 50/17               | 2.4         | 9.2         | -    | .54           | 3.3         | -    | 3.25 to 12                       | 3.8        | 31.5                   | .280 X (1)                                   | 0.67                       | 248            |
| 1           | 2130130-VFD-460 | 20              | 18                            | 21/7                | 50/17               | 2.4         | -           | 4.2  | .54           | -           | 1.5  | 3.25 to 12                       | 3.8        | 31.5                   | .280 X (1)                                   | 0.67                       | 248            |
| 2           | 2130150-VFD-230 | 20              | 18                            | 21/7                | 50/17               | 4.7         | 17          | -    | .54           | 3.3         | -    | 3.25 to 12                       | 4.3        | 31.5                   | .441 X (1)                                   | 1.81                       | 398            |
| 2           | 2130150-VFD-460 | 20              | 18                            | 21/7                | 50/17               | 4.7         | -           | 7.9  | .54           | -           | 1.5  | 3.25 to 12                       | 4.3        | 31.5                   | .441 X (1)                                   | 1.81                       | 398            |
| 3           | 2130160-VFD-230 | 20              | 18                            | 15/5                | 50/17               | 4.7         | 17          | -    | 1             | 5.1         | -    | 3.25 to 12                       | 5          | 39.4                   | .374 X (2)                                   | 2.69                       | 517            |
| 3           | 2130160-VFD-460 | 20              | 18                            | 15/5                | 50/17               | 4.7         | -           | 7.9  | 1             | -           | 2.2  | 3.25 to 12                       | 5          | 39.4                   | .374 X (2)                                   | 2.69                       | 517            |
| 5           | 2130170-VFD-230 | 20              | 18                            | 11/4                | 50/17               | 4.7         | 17          | -    | 1             | 5.1         | -    | 3.25 to 12                       | 5.5        | 70.9*                  | .441 X (2)                                   | 3.63                       | 599            |
| 5           | 2130170-VFD-460 | 20              | 18                            | 11/4                | 50/17               | 4.7         | -           | 7.9  | 1             | -           | 2.2  | 3.25 to 12                       | 5.5        | 70.9*                  | .441 X (2)                                   | 3.63                       | 599            |

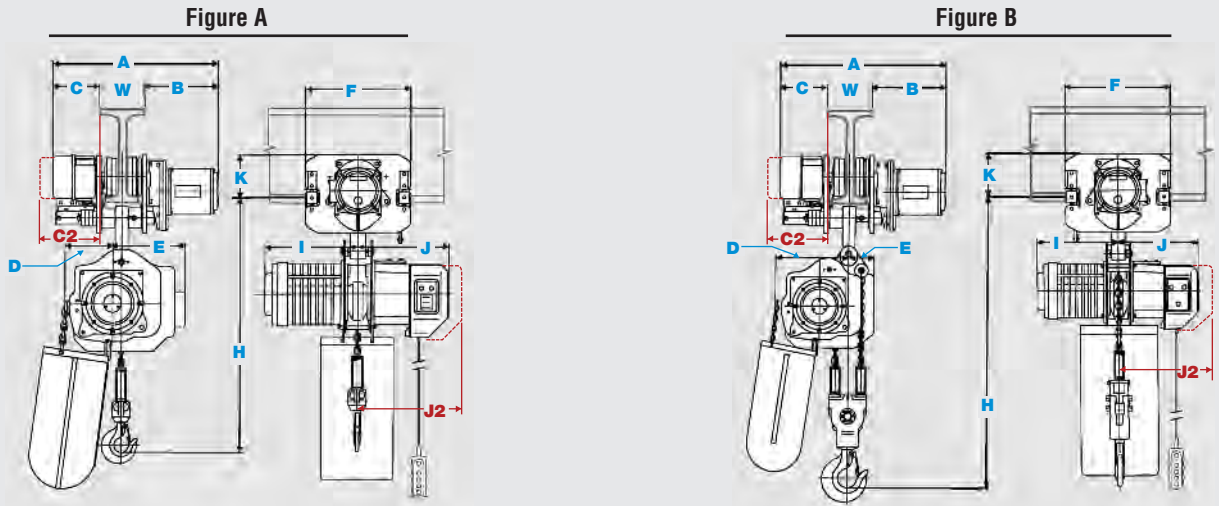
\* Applies to a beam flange width of 4" and over.

\*\*Applies to a beam flange width of 5.9" and over.



**DIMENSIONS - MOTORIZED TROLLEY HOISTS**

**1 TO 5 TON MOTORIZED TROLLEY HOISTS:**



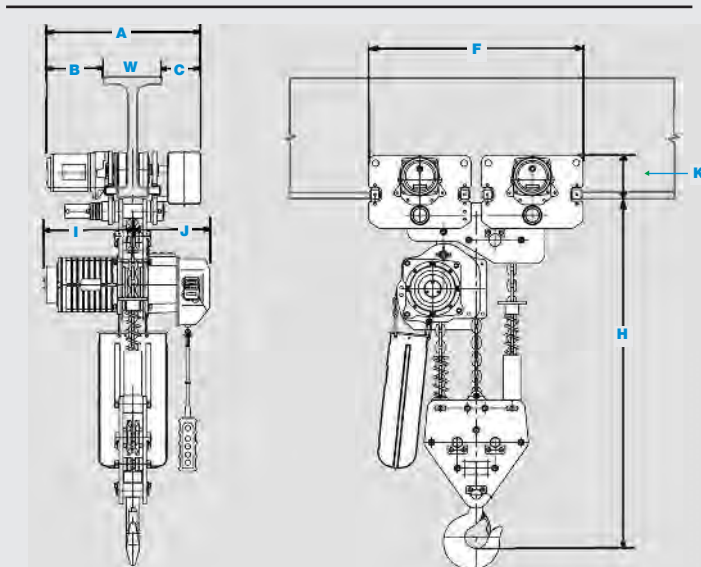
Dimensions in Inches (Nominal). *For hook dimensions, see page 11.*

| Model Number | A<br>W = Beam width | B    | C   | C2* | D    | E   | F    | H  | I    | J    | J2*  | K   | Figure |
|--------------|---------------------|------|-----|-----|------|-----|------|----|------|------|------|-----|--------|
| 2130120      | 17.8 + W            | 10   | 7.8 | -   | 6.7  | 7.5 | 11.7 | 21 | 11.7 | 10.8 | -    | 5.2 | A      |
| 2130130      | 17.8 + W            | 10   | 7.8 | 9.8 | 6.7  | 7.5 | 11.7 | 21 | 11.7 | 10.8 | 12.8 | 5.2 | A      |
| 2130140      | 17.8 + W            | 10   | 7.8 | -   | 8.7  | 5.6 | 12.4 | 30 | 11.7 | 10.8 | -    | 5.2 | B      |
| 2130150      | 17.8 + W            | 10   | 7.8 | 9.8 | 7.8  | 9.1 | 12.4 | 27 | 13.7 | 12.3 | 13.5 | 5.2 | A      |
| 2130160      | 18.5 + W            | 10.7 | 7.8 | 9.8 | 10.2 | 6.6 | 15.3 | 35 | 13.7 | 12.3 | 13.5 | 5.8 | B      |
| 2130170      | 19.8 + W            | 12   | 7.8 | 9.8 | 10.7 | 6.1 | 16.1 | 42 | 13.7 | 12.3 | 13.5 | 6.1 | B      |
| 2130175      | 19.8 + W            | 12   | 7.8 | -   | -    | -   | 33.8 | 50 | 13.7 | 12.3 | -    | 6.1 | C      |
| 2130180      | 19.8 + W            | 12   | 7.8 | -   | -    | -   | 37.1 | 49 | 13.7 | 13.7 | -    | 6.1 | D      |

\* Inverter Control Models only.

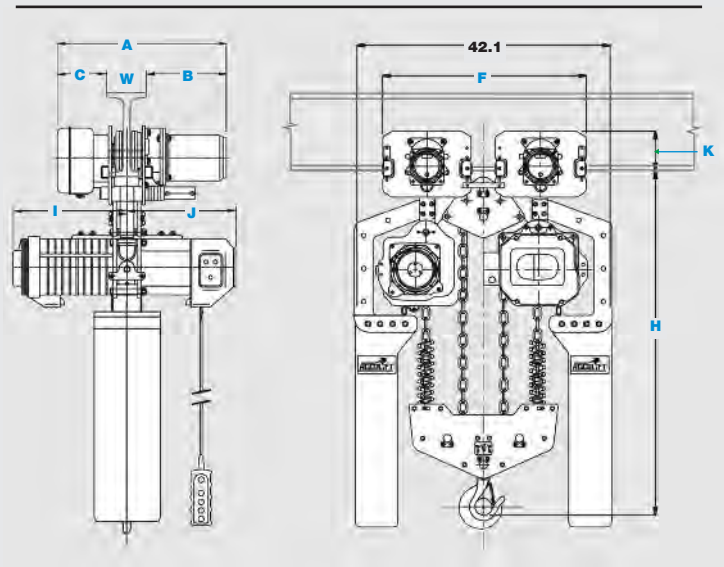
**7-1/2 TON MOTORIZED TROLLEY HOIST:**

**Figure C**



**10 TON MOTORIZED TROLLEY HOIST:**

**Figure D**



## OPTIONAL FEATURES FOR CHAIN HOISTS



### Available optional features for Chain Hoists

---

- Additional Lift
- Nickel Plated Load Chain
- Canvas Chain Bag
- Cross Mount Lug Connector  
(Turns hoist 90° for improved end approach)
- Hoist Rain Cover
- Trolley Motor and Control Enclosure  
Rain Covers
- 48V Control Voltage
- Additional Pendant Buttons



## DIMENSIONS - HOOKS AND CHAIN BUCKETS

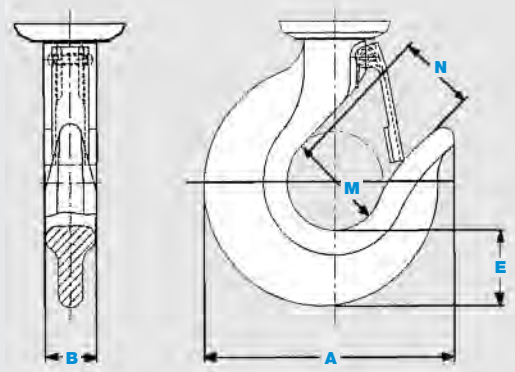
### ELECTRIC CHAIN HOISTS - HOOK DIMENSIONS:

Dimensions in Inches (Nominal)

| Capacity  | A     | B    | E    | M    | N    |
|-----------|-------|------|------|------|------|
| 1 Ton     | 3.78  | 0.95 | 1.24 | 1.38 | .93  |
| 2 Ton     | 5.67  | 1.18 | 1.69 | 2.11 | 1.54 |
| 3 Ton     | 6.63  | 1.38 | 1.93 | 2.36 | 1.77 |
| 5 Ton     | 7.48  | 1.71 | 2.17 | 2.76 | 2.21 |
| 7 1/2 Ton | 9.21  | 2.17 | 3.43 | 3.54 | 3.05 |
| 10 Ton    | 12.72 | 3.15 | 4.65 | 4.72 | 3.35 |

### HAND CHAIN HOISTS - HOOK DIMENSIONS:

| Capacity | A    | B    | E    | M    | N    |
|----------|------|------|------|------|------|
| 1/2 Ton  | 2.87 | 0.62 | 0.79 | 1.42 | 1.22 |
| 1 Ton    | 3.38 | 0.81 | 0.94 | 1.57 | 1.34 |
| 2 Ton    | 4.45 | 0.94 | 1.18 | 1.97 | 1.61 |
| 3 Ton    | 5.24 | 1.10 | 1.65 | 2.13 | 1.77 |
| 5 Ton    | 5.98 | 1.50 | 1.81 | 2.40 | 1.97 |
| 10 Ton   | 9.29 | 2.44 | 3.54 | 3.27 | 2.40 |



### LEVER HOISTS - HOOK DIMENSIONS:

| Capacity  | A    | B    | E    | M    | N    |
|-----------|------|------|------|------|------|
| 3/4 Ton   | 3.15 | 0.67 | 0.87 | 1.48 | 1.22 |
| 1 1/2 Ton | 3.86 | 0.95 | 1.10 | 1.81 | 1.50 |
| 3 Ton     | 5.24 | 1.10 | 1.65 | 2.13 | 1.77 |
| 6 Ton     | 5.98 | 1.50 | 1.81 | 2.40 | 1.97 |

### ELECTRIC CHAIN HOISTS - CHAIN BUCKET CAPACITIES:

| Model Number       | Hoist Capacity | Max. Lift With Standard Chain Bucket (ft.) | Max. Lift With Optional Chain Bucket (ft.)              | Max. Lift With Optional Canvas Chain Bag (ft.) |
|--------------------|----------------|--|---|--|
| 2130020<br>2130120 | 1T (17 FPM)    | 60 (71574-1038)                            | 130 (71574-1039)  | 40 (71574-1264)                                |
| 2130030<br>2130130 | 1T (27 FPM)    | 60 (71574-1038)                            | 130 (71574-1039)  | 40 (71574-1264)                                |
| 2130040<br>2130140 | 2T (13 FPM)    | 30 (71574-1038)                            | 65 (71574-1039)   | 20 (71574-1264)                                |
| 2130050<br>2130150 | 2T (27 FPM)    | 26 (71574-1038)                            | 60 (71574-1039)   | 15 (71574-1264)                                |
| 2130060<br>2130160 | 3T (17 FPM)    | 40 (71574-1039)                            | 65 (71574-1293)<br>106 (71574-1253)<br>164 (71574-1294) | N/A  |
| 2130070<br>2130170 | 5T (11 FPM)    | 30 (71574-1039)                            | 45 (71574-1293)<br>73 (71574-1253)<br>115 (71574-1294)  | N/A  |
| 2130075<br>2130175 | 7.5T (7 FPM)   | 20 (71574-1039)                            | 50 (71574-7239)   | N/A  |
| 2130080<br>2130180 | 10T (11 FPM)   | 35 (71574-6239)                            | 58 (71574-6329-2)                                       | N/A  |

Steel buckets may be available for longer lifts than stated above - please call factory with your application.

## HAND CHAIN HOISTS



ACCOLIFT® portable, lightweight hand hoists are compact and provide a dependable working tool for: industrial maintenance, construction sites, machine shops, and production situations where parts need to be positioned accurately but infrequently.

### Construction Features:

**Hooks:** All hooks are drop forged, heat treated steel with spring type latches. Both hooks rotate 360° for easy rigging.

**Mechanical Load Brake:** Can hold a capacity load stationary at any position.

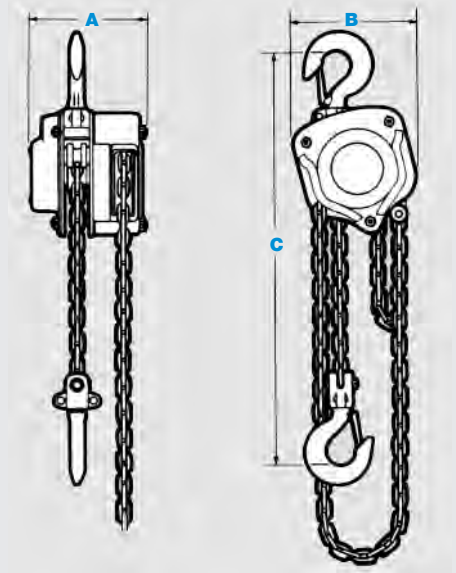
**Hand Chain:** Electric welded, close link galvanized coil chain, accurately and uniformly sized to seat properly in handwheel pockets.

**Load Sheaves:** Deep cast pockets precisely fit the load chain. Load shafts are supported by prelubricated bearings for smooth operation.

**Load Chain:** Electric welded alloy steel chain is heat treated for wear resistance and strength. Accurately and uniformly sized to seat properly in load sheaves.

**Frame:** Fabricated rolled steel plate.

**Covers:** Protective steel covers can easily be removed for inspection and maintenance.



For hook dimensions, see page 11.

| Model Number | Cap. (Tons) | Std. Lift (ft.) | Hand Chain Drop (ft.) | Pull to Lift Full Load (lbs.) | Chain Overhaul Ratio | Dimensions (in.) |      |      | Load Chain Diameter (in.) X Chain Fall Lines | Weight for Add'l 1 ft. of lift (lbs.) | Net Weight (lbs.) |
|--------------|-------------|-----------------|-----------------------|-------------------------------|----------------------|------------------|------|------|--|---------------------------------------|-------------------|
|              |             |                 |                       |                               |                      | A                | B    | C    |  |                                       |                   |
| 1360010      | 1/2         | 10              | 8                     | 53                            | 26:1                 | 5.8              | 5.7  | 12.2 | .248 X (1)                                   | 0.6                                   | 25                |
| 1360020      | 1/2         | 20              | 18                    | 53                            | 26:1                 | 5.8              | 5.7  | 12.2 | .248 X (1)                                   | 0.6                                   | 31                |
| 1360030      | 1           | 10              | 8                     | 73                            | 38:1                 | 5.8              | 5.7  | 13.0 | .248 X (1)                                   | 0.6                                   | 26                |
| 1360040      | 1           | 20              | 18                    | 73                            | 38:1                 | 5.8              | 5.7  | 13.0 | .248 X (1)                                   | 0.6                                   | 32                |
| 1360050      | 2           | 10              | 8                     | 75                            | 51:1                 | 7.0              | 7.4  | 15.0 | .311 X (1)                                   | 1.0                                   | 48                |
| 1360060      | 2           | 20              | 18                    | 75                            | 51:1                 | 7.0              | 7.4  | 15.0 | .311 X (1)                                   | 1.0                                   | 58                |
| 1360070      | 3           | 10              | 8                     | 77                            | 117:1                | 5.8              | 6.5  | 18.9 | .280 X (2)                                   | 1.5                                   | 51                |
| 1360080      | 3           | 20              | 18                    | 77                            | 117:1                | 5.8              | 6.5  | 18.9 | .280 X (2)                                   | 1.5                                   | 66                |
| 1360090      | 5           | 10              | 8                     | 86                            | 166:1                | 7.0              | 8.4  | 24.4 | .354 X (2)                                   | 2.4                                   | 90                |
| 1360100      | 5           | 20              | 18                    | 86                            | 166:1                | 7.0              | 8.4  | 24.4 | .354 X (2)                                   | 2.4                                   | 114               |
| 1360110      | 10          | 10              | 8                     | 90                            | 332:1                | 7.0              | 14.4 | 18.7 | .354 X (4)                                   | 4.8                                   | 165               |
| 1360120      | 10          | 20              | 18                    | 90                            | 332:1                | 7.0              | 14.4 | 18.7 | .354 X (4)                                   | 4.8                                   | 213               |

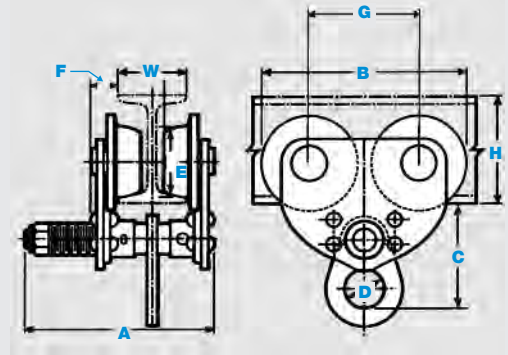
## PLAIN TROLLEYS



ACCOLIFT® Plain Trolleys are light and easy to adapt to a wide range of beams. The trolley wheels include lifetime lubricated ball bearings for maintenance free operation. A perfect match to make the ACCOLIFT® electric or hand chain hoist and its load horizontally mobile.

### Construction Features:

- Side Frame:** Side plates are rugged rolled steel
- Wheels:** Crown tread allows operation on tapered or flat flange beams
- Bearings:** Shielded, lifetime lubricated, single row ball bearings.
- Suspension Lug:** Pivot mounted suspension shaft designed to equally distribute the load to all wheels



Dimensions in Inches (Nominal)

| Model Number | Cap. (Tons) | W Beam Width Min. - Max. | Dimensions |      |     |     |     |     |     | Min. Beam Size H | Min. Beam Radius | Net Weight (lbs.) |
|--------------|-------------|--------------------------|------------|------|-----|-----|-----|-----|-----|------------------|------------------|-------------------|
|              |             |                          | A          | B    | C   | D   | E   | F   | G   |                  |                  |                   |
| 1650010      | 1/2         | 3" to 5"                 | 8.1        | 6.9  | 5.1 | 1.8 | 2.2 | 1.1 | 3.5 | 4                | 24               | 14                |
| 1650020      | 1           | 3" to 5"                 | 8.1        | 9.1  | 5.1 | 1.8 | 3.2 | 1.1 | 4.8 | 5                | 30               | 22                |
| 1650030      | 2           | 3" to 6"                 | 9.3        | 10.6 | 6.1 | 2.4 | 3.9 | 1.4 | 5.6 | 6                | 36               | 41                |
| 1650040      | 3           | 3" to 6"                 | 9.9        | 12.3 | 7.5 | 2.6 | 4.5 | 1.9 | 6.4 | 7                | 36               | 63                |
| 1650050      | 5           | 5" to 7"                 | 11.1       | 13.9 | 9.1 | 3.0 | 4.9 | 2.1 | 7.2 | 10               | 48               | 97                |

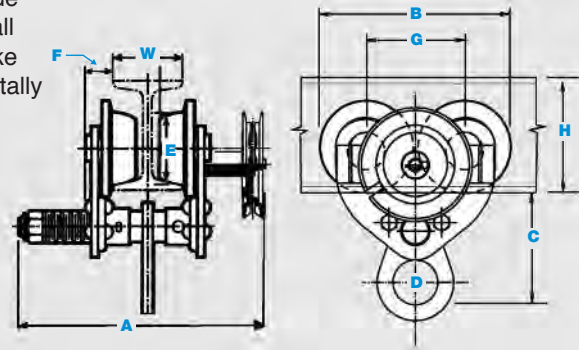
## GEARED TROLLEYS



ACCOLIFT® Geared Trolleys are light and easy to adapt to a wide range of beams. The trolley wheels include lifetime lubricated ball bearings for maintenance free operation. A perfect match to make the ACCOLIFT® electric or hand chain hoist and its load horizontally mobile for short distances and accurate load positioning.

### Construction Features:

- Side Frame:** Side plates are rugged rolled steel
- Wheels:** Crown tread allows operation on tapered or flat flange beams
- Bearings:** Shielded, lifetime lubricated, single row ball bearings.
- Hand Chain:** Electric welded, close link galvanized coil chain, accurately and uniformly sized to seat properly in handwheel pockets.
- Chain Guide:** Steel chain guidex
- Suspension Lug:** Pivot mounted suspension shaft designed to equally distribute the load to all wheels

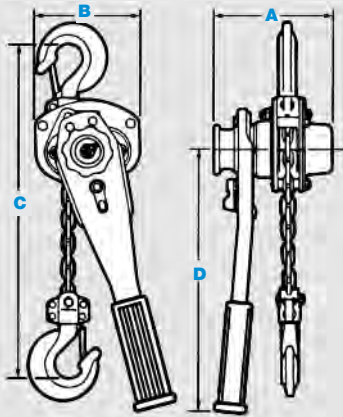


Dimensions in Inches (Nominal)

Specify beam width and type when ordering trolleys

| Model Number | Cap. (Tons) | W Beam Width Min. - Max. | Hand Chain Drop (ft.) | Dimensions |      |      |     |     |     |     | Min. Beam Size H | Min. Beam Radius | Net Weight (lbs.) |
|--------------|-------------|--------------------------|-----------------------|------------|------|------|-----|-----|-----|-----|------------------|------------------|-------------------|
|              |             |                          |                       | A          | B    | C    | D   | E   | F   | G   |                  |                  |                   |
| 1650110      | 1/2         | 3" to 5"                 | 18                    | 10.8       | 9.1  | 5.1  | 1.8 | 3.2 | 1.1 | 4.8 | 5                | 30               | 35                |
| 1650120      | 1           | 3" to 5"                 | 18                    | 10.8       | 9.1  | 5.1  | 1.8 | 3.2 | 1.1 | 4.8 | 5                | 30               | 35                |
| 1650130      | 2           | 3" to 6"                 | 18                    | 12.0       | 10.6 | 6.1  | 2.4 | 3.9 | 1.4 | 5.6 | 6                | 36               | 57                |
| 1650140      | 3           | 3" to 6"                 | 18                    | 13.0       | 12.3 | 7.5  | 2.6 | 4.5 | 1.9 | 6.4 | 7                | 36               | 79                |
| 1650150      | 5           | 5" to 7"                 | 18                    | 15.0       | 13.9 | 9.1  | 3.0 | 4.9 | 2.1 | 7.2 | 10               | 48               | 114               |
| 1650160      | 10          | 5" to 7.5"               | 18                    | 17.0       | 13.9 | 11.0 | 3.2 | 4.9 | 2.1 | 7.2 | 10               | 48               | 227               |

## LEVER HOISTS



Lightweight, portable, chain type lever operated puller. Increases a worker's efficiency in pulling, lifting, lowering, moving and skidding objects in industrial maintenance, construction and utility company applications. Minimal effort is required to move tons. The short handle and short stroke are designed to operate in tight places. Excellent for stretching cable and fencing, positioning machinery and building components.

### Construction Features:

**Frame/Side Plate:** Rugged, lightweight steel design supports and protects internal mechanism.

**Lever/Lever Block:** Designed and constructed to be easily operated by one person. Helps absorb the shock of the load. Can be easily disassembled for maintenance.

**Operation:** Two levers and a knob control the operation of the ACCOLIFT® Lever Hoist. The lifting "lock" lever can only be engaged when the hoist chain is slack (not under load). The grip ring is then pulled to engage the load sheave. Choose "Up" or "Down" position on the handle to raise or lower the load.

**Gears:** Six tooth pinion gear and four pocket load sheave makes operation easy. Gears are permanently lubricated.

**Mechanical Load Brake:** Brake can hold a full capacity load stationary in any position. Load is not transferred back to handle during handle advancement.

**Load Chain:** Electric welded alloy steel chain is heat treated for wear resistance and strength. Accurately and uniformly sized to seat properly in load sheaves.

**Load Block:** Supports the suspension hook and allows it to rotate 360° under capacity loads.

**Hooks:** All hooks are drop forged, heat treated steel with spring type latches. Both hooks rotate 360° for easy rigging.

For hook dimensions, see page 11.

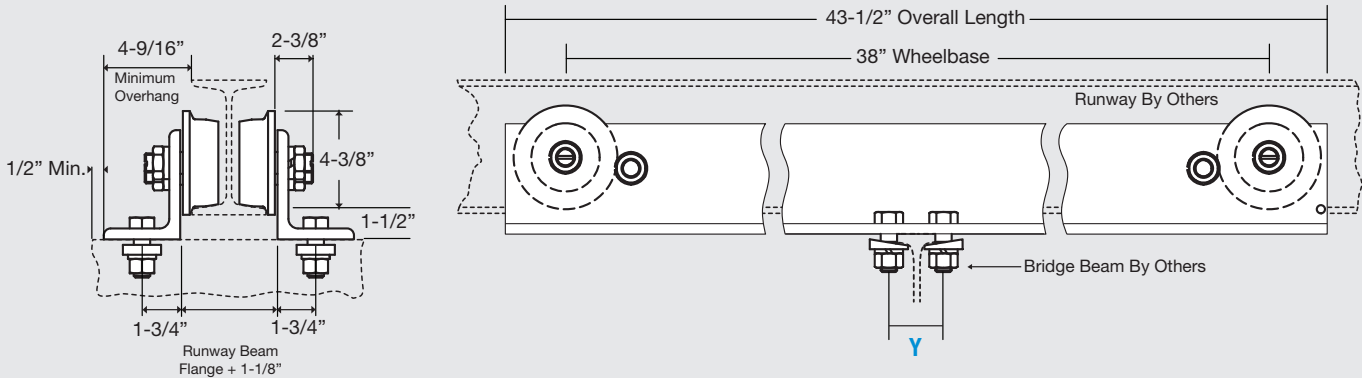
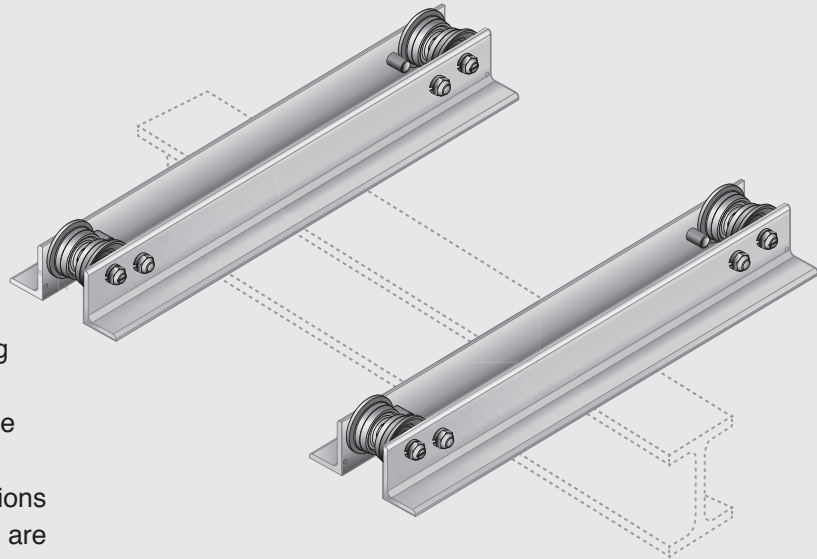
| Model Number | Cap. (Tons) | Std. Lift (ft.) | Pull to Lift Full Load (lbs.) | Dimensions (in.) |     |      |      | Load Chain Diameter (in.) X Chain Fall Lines | Weight for Add'l 1 ft. of lift (lbs.) | Net Weight (lbs.) |
|--------------|-------------|-----------------|-------------------------------|------------------|-----|------|------|--|---------------------------------------|-------------------|
|              |             |                 |                               | A                | B   | C    | D    |  |                                       |                   |
| 1150010      | 3/4         | 5               | 35                            | 5.9              | 5.0 | 11.4 | 9.4  | .248 X (1)                                   | 0.6                                   | 16                |
| 1150110      | 3/4         | 10              | 35                            | 5.9              | 5.0 | 11.4 | 9.4  | .248 X (1)                                   | 0.6                                   | 19                |
| 1150210      | 3/4         | 15              | 35                            | 5.9              | 5.0 | 11.4 | 9.4  | .248 X (1)                                   | 0.6                                   | 22                |
| 1150020      | 1-1/2       | 5               | 40                            | 6.5              | 5.8 | 13.4 | 14.2 | .280 X (1)                                   | 0.8                                   | 22                |
| 1150120      | 1-1/2       | 10              | 40                            | 6.5              | 5.8 | 13.4 | 14.2 | .280 X (1)                                   | 0.8                                   | 26                |
| 1150220      | 1-1/2       | 15              | 40                            | 6.5              | 5.8 | 13.4 | 14.2 | .280 X (1)                                   | 0.8                                   | 30                |
| 1150030      | 3           | 5               | 73                            | 7.6              | 7.1 | 16.9 | 14.2 | .354 X (1)                                   | 1.2                                   | 36                |
| 1150040      | 6           | 5               | 77                            | 7.6              | 7.1 | 22.4 | 14.2 | .354 X (2)                                   | 2.4                                   | 60                |

## SERIES 421 PUSH-PULL END TRUCKS

### For Underhung Single Girder Cranes

Designed for light or medium loads, Series 421 Push-Pull End Trucks are the basic component for easy-to-assemble underhung cranes.

- Furnished with heat treated gray iron wheels for 2 ton maximum crane capacities.
- Maximum crane span is 25'-0".
- End truck frames include drop lugs.
- Wheels are 4" diameter, flanged, dual tread permitting operation on standard "I" beams or flat flange beams. Wheels incorporate shielded, lifetime lubricated, single row ball bearings.
- End trucks are shipped with crane fabrication instructions and mounting hardware. Bridge beam and end stops are by others.



| Model Number | Cap. (Tons) | Min. Size Runway Beam | Net Weight (lbs.) | Max. Allowable Load on Each Wheel (lbs.) |
|--------------|-------------|-----------------------|-------------------|--|
| 4210010      | 2           | 6"                    | 233               | 1200                                     |

### Crane Fabricating and Clearance Dimensions

| Capacity (Tons) | Span (Feet) | Recommended Bridge Beams | Y (Inches) |
|-----------------|-------------|--------------------------|------------|
| 1               | 10          | 6" x 12.5#               | 2          |
|                 | 15          | 8" x 18.4#               | 2-1/4      |
|                 | 20          | 10" x 25.4#              | 2-3/4      |
|                 | 25          | 12" x 31.8#              | 3          |
| 2               | 10          | 8" x 18.4#               | 2-1/4      |
|                 | 15          | 10" x 25.4#              | 2-3/4      |
|                 | 20          | 12" x 31.8#              | 3          |
|                 | 25          | 15" x 42.9#              | 3-1/2      |

**Warning:** Only competent personnel familiar with standard fabrication practices should be employed to assemble these cranes because of the necessity of properly interpreting these instructions and for the purposes of determining appropriate compatible equipment and product applications. ACCO disclaims and responsibility for the quality of workmanship employed in the fabrication of a crane according to these instructions or the sufficiency of the system in which and to which this system or equipment is to be installed or the sufficiency of the system to sustain any particular load that may be imposed upon it. Contact ACCO for additional information if necessary.

**Freight is prepaid** for all shipments over 400 lbs.



**Accolift® Hoists are in stock and ready to ship from our warehouse in Chicago, Illinois.**



**GENERAL POLICY**

**NOTE:** When ordering trolleys or trolley hoists always specify beam width.

**SERVICE MANUALS:** Additional copies of standard maintenance and parts manuals are available when requested on original equipment purchase order or requested prior to shipment at a price of \$26.00 each item.

**WARNING:** Equipment described herein is not designed for, and should not be used for lifting, supporting, or transporting humans. Modifications to upgrade, rerate, or otherwise alter the hoist or crane equipment shall be authorized only by the original manufacturer or qualified professional engineer. Failure to comply with any one of the limitations noted herein may result in serious bodily injury.

**WARRANTY:** All equipment is covered by the following warranties: The Seller warrants to the original using Buyer thereof that the goods sold under this agreement are free from defects in workmanship and materials for a period of one year from the date of shipment to the using Buyer. No other express warranties are given and no affirmation of Seller or Seller's agents, by word or action, shall constitute a warranty. Any variations in details between the goods quoted

herein and those covered in Buyer's specifications are due to standards of manufacture not to be construed as exceptions to the specifications.

**FREIGHT:** Freight allowed over 400 lbs. All shipments of WRIGHT ACCOLIFT products are F.O.B. manufacturing plant or warehouse, and title and risk of loss shall pass to the customer upon delivery to the carrier, regardless of who pays the shipping cost. Shipping charges to customer or warehouse will be prepaid and allowed on any order of 400 pounds or more. Small orders will not be accumulated to meet total freight requirements for prepaid freight. "Add to" orders will be considered new orders and will not be included with orders already placed. If Acco makes partial shipment on an order originally meeting freight prepayment requirements, Acco will absorb transportation charges on all shipments applying to that order. Parcel post shipments will be insured at customer's expense, but customer is responsible for placing valuation upon such shipments for insurance purposes.

Prices and specifications subject to change without notice.



Prices and specifications subject to change without notice.