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MODEL NUMBER FHS416-S35AC

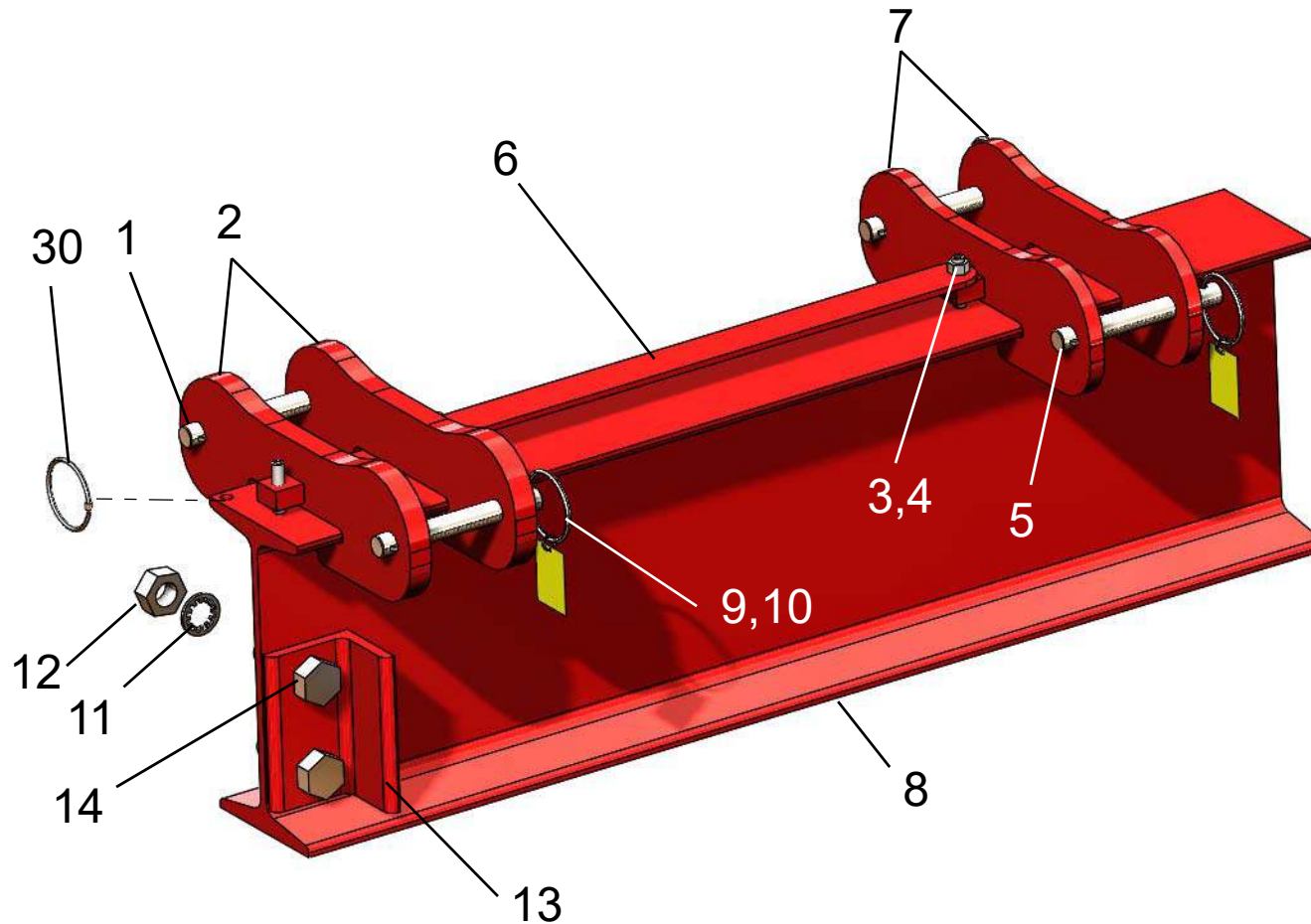
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| ITEM NO. | PART DESCRIPTION                       | PART NUMBER | QUAN. |
|----------|----------------------------------------|-------------|-------|
| 1        | PIN - SUPPORT 1 DIA. X 5 3/4 LG.       | 5018-0002   | 4     |
| 2        | BRACKET - MAIN LEG                     | 6018-1      | 4     |
| 3        | HEX. NUT 3/8-24NF                      | 54-0100     | 8     |
| 4        | SOC. SET SCREW 3/8-24NF X 1 3/4 LG.    | 63-0110     | 8     |
| 5        | PIN - SUPPORT 11/16 DIA. X 5 11/16 LG. | 5017-0006   | 4     |
| 6        | SPACER BAR 24 1/2" LG.                 | 3604-0004   | 2     |
| 7        | BRACKET - BRACE LEG                    | 6018-2      | 4     |
| 8        | I-BEAM STL 18" X 35' LG.               | 769-0350    | 1     |
| 9        | KEY RING 2 1/4 DIA.                    | 82-0030     | 18    |
| 10       | CAUTION TAG No. 399                    | 1969-RING   | 16    |
| 11       | LOCK WASHER INT. TOOTH 3/4             | 58-0040     | 4     |
| 12       | HEX. NUT 3/4-10NC                      | 54-0040     | 4     |
| 13       | TROLLEY STOP ANGLE                     | 5132-0000   | 4     |
| 14       | HEX. HD. BOLT 3/4-10NC X 2 1/2 LG.     | 51-0480     | 4     |
| 15       | BRACE LEG                              | 3625-0150   | 4     |
| 16       | MAIN LEG                               | 3627-0150   | 4     |
| 17       | PIN - SUPPORT 11/16 DIA. X 4 9/16 LG.  | 5017-0004   | 4     |
| 20       | HEX. HD. BOLT 1/2-13NC X 4 LG.         | 51-0460     | 4     |
| 21       | LOCK WASHER INT. TOOTH 1/2             | 58-0020     | 4     |
| 22       | HEX. NUT 1/2-13NC                      | 54-0050     | 4     |
| 23       | PIN - LOWER LEG 3/4 DIA. X 5 1/8 LG.   | 5023-0000   | 4     |
| 24       | CASTER PLATE H.D.                      | 5047-0000   | 4     |
| 25       | HEX. HD. BOLT 1/2-13NC X 1 3/4 LG.     | 51-0300     | 16    |
| 26       | LOCK WASHER INT. TOOTH 1/2             | 58-0020     | 16    |
| 27       | HEX. NUT 1/2-13NC                      | 54-0050     | 16    |
| 28       | CASTER WHEEL 8" DIA.                   | 47-81NB     | 4     |
| 29       | CASTER FRAME TUBE                      | 3628-0150   | 2     |
| 30       | COTTER PIN 1/4 X 2 LG.                 | 60-0040     | 4     |



# Wallace Cranes Parts Location

Hippolift 1, 2 and 3 Ton

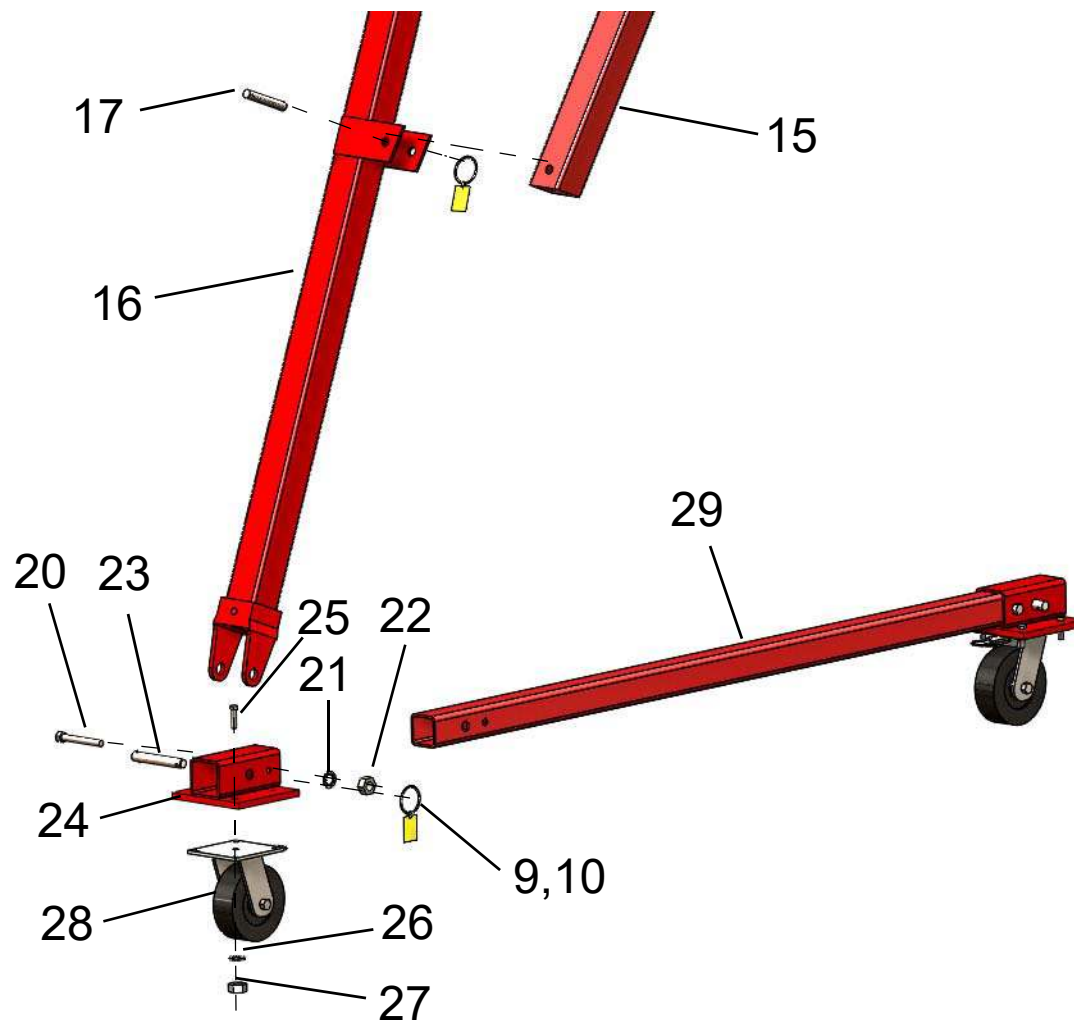


I-Beam  
Assembly  
Parts Location

Wallace Cranes  
71 N Bacton Hill Rd.  
Malvern, PA 19355



[www.wallacecranes.com](http://www.wallacecranes.com)  
800-553-5438  
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## Caster Frame Assembly Parts Location

Wallace Cranes  
71 N Bacton Hill Rd.  
Malvern, PA 19355

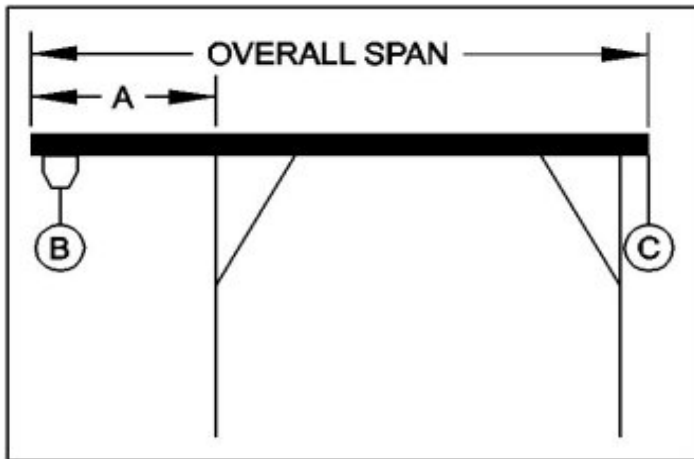


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## WALLACE CRANES PORTABLE CRANE CANTILEVER CHART

GANTRY MODEL NUMBER: FHS416-S35AC  
 I-BEAM: S18" X 54.7#/' X 35'  
 I-BEAM LENGTH (OVERALL SPAN): 420 Inches  
 MAXIMUM CANTILEVER DISTANCE (A): 105 Inches  
 GANTRY RATED CAPACITY: 4000 Lbs.  
 MAXIMUM CANTILEVERED LOAD (B): 2400 Lbs.  
 GANTRY WEIGHT: 2723 Lbs.  
 I-BEAM WEIGHT: 1920 Lbs.



**PROPER CANTILEVER PROCEDURES**  
 Required counterweight should not be supported by gantry caster frame.

Load and trolley should be able to freely traverse the I-beam through the main legs and brace legs of the gantry.

### REQUIRED COUNTERWEIGHT AT [C]

| A<br>IN<br>FEET | B<br>300<br>LBS. | B<br>600<br>LBS. | B<br>900<br>LBS. | B<br>1200<br>LBS. | B<br>1500<br>LBS. | B<br>1800<br>LBS. | B<br>2100<br>LBS. | B<br>2400<br>LBS. |
|-----------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 1               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 2               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 3               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 4               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 5               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 6               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 0                 |
| 7               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 0                 | 78                |
| 8               | 0                | 0                | 0                | 0                 | 0                 | 0                 | 167               | 345               |
| 8.75            | 0                | 0                | 0                | 0                 | 0                 | 158               | 358               | 558               |