

# Product Specification Sheet

## Best Hoist Pro-3 Series Hoist Systems

### PRODUCT DESCRIPTION

The PRO-3 Series Hoist System is designed to provide an anchor structure for Personal Fall Arrest Systems (PFAS's), Confined Space Entry / Retrieval and rescue equipment. Provision is made for the mounting of various winches and SRL's to the structure on the rear of the vertical post. Other mounting options are possible using a variety of adaptor brackets available from Tuff Built Products.

One (1) and two (2) piece Davits are available in a variety of heights to tailor a system to your specific application requirements.

Mast and base set up and tear down quickly using no tools into compact, lightweight parts for transport and storage. Exclusive TUFF-KLIK connectors\* eliminate adjustment pins that can be easily damaged or lost.

Pro-3 Hoist Systems are capable to combine with a variety of bases (permanent bases, portable bases and barrel mount bases).

### APPLICATION RESTRICTIONS

1. This product MUST BE used only with Pro-Series mounting bases from Tuff Built Products Inc. All accessories MUST BE designed, manufactured, and/or approved by Tuff Built Products Inc.
2. All system components MUST BE installed, inspected, maintained, and used in accordance with the manufacturer's instructions.
3. Self-Retracting Lifelines (SRL's) used with this product must have a Maximum Arrest Force (MAF) rating not exceeding 1,350 lbs (6 kN).
4. Where required by regulation, each installation MUST BE installed under the supervision of a Qualified Person.
5. This equipment MUST BE set up and operated under the supervision of a Qualified Person.

### GENERAL SPECIFICATIONS

|                                 |                                                                       |
|---------------------------------|-----------------------------------------------------------------------|
| Capacity (Rescue):              | Maximum two (2) workers weighing not more than 310 lbs (141 kg) each. |
| Capacity (Fall Arrest):         | One (1) worker weighing not more than 310 lbs (141 kg).               |
| Allowable MAF Rating for SRL's: | 1,350 lbs (6 kN).                                                     |
| Ultimate Strength:              | 3,373 lbs (15 kN).                                                    |

### MATERIALS & CONSTRUCTION

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| General Construction:  | Extruded 6061-T6 Aluminum                                                                    |
| Brackets / Connectors: | Steel / Aluminum                                                                             |
| Pulleys & Rollers:     | Black Acetal                                                                                 |
| Hardware:              | Grade 5, Grade 8 Zinc-Plated                                                                 |
| Finish (aluminum):     | Safety Orange powder coat / Mill Finish                                                      |
| Finish (Steel):        | Safety Orange / Grey powder coat<br>CS-500 Zinc Plated (Type II Zinc,<br>SC-2, ASTM B633-85) |

### RELEVANT STANDARDS

This product has been tested to meet the applicable requirements of the following standards when installed and used as per the manufacturer's instructions:

- CE/EN 795
- OSHA 1910.146, and 1926.502
- ANSI/ASSE Z117.1, ANSI/ASSE Z359.18-2017
- CSA Z259.15



### Certification



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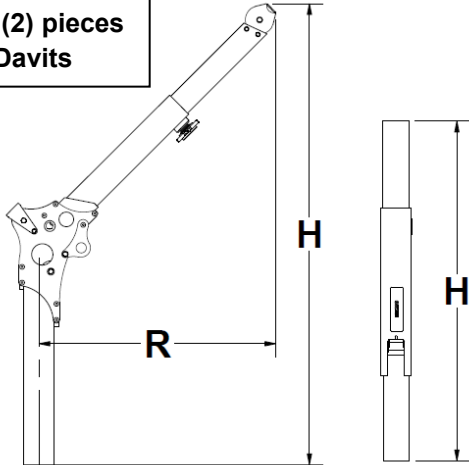
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### Davit Components

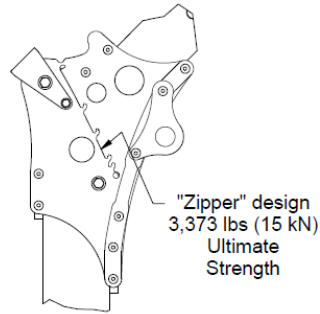
Two (2) pieces  
Davits



Upper Davits  
Pt# 30104, 30105

Lower Davits  
Pt# 30108, 30109

One (1) piece  
Davits



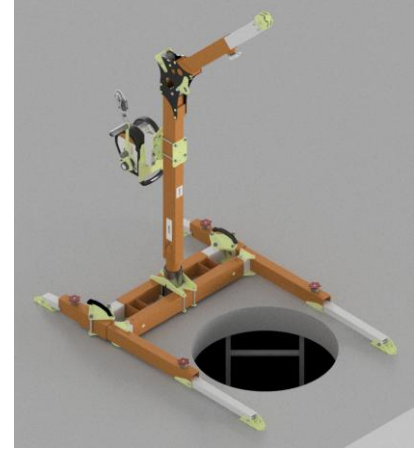
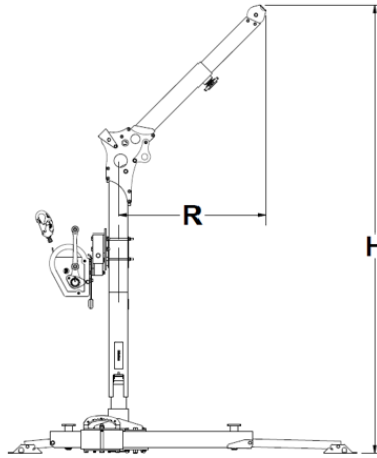
Davits  
Pt# 30106, 30107,  
30231

| Part # | Description                | Reach                          | Height                           | Winch Mtg    | Structure Bracket | Weight            |
|--------|----------------------------|--------------------------------|----------------------------------|--------------|-------------------|-------------------|
| 30104  | Pro-3 Davit, 28R-54H Upper | 19.50" (50cm)<br>29.00" (74cm) | 46.00"(117cm)-<br>55.75"(142cm)  | Rear / Front | 60141             | 21lb<br>(9.5kgs)  |
| 30105  | Pro-3 Davit, 28R-66H Upper |                                | 58.00"(147cm)-<br>66.75"(170cm)  | Rear / Front | 60141             | 25lb<br>(11.4kgs) |
| 30106  | Pro-3 Davit, 28R-84H       |                                | 76.50"(194cm)-<br>85.50"(217cm)  | Rear / Front | 60141             | 31lb<br>(14.1kgs) |
| 30107  | Pro-3 Davit, 28R-108H      |                                | 99.75"(253cm)-<br>108.50"(275cm) | Rear / Front | 60141             | 32lb<br>(14.5kgs) |
| 30108  | Pro-3, 40" Lower Mast      |                                | 40.00"(102cm)                    |              |                   | 12lb<br>(5.4kgs)  |
| 30109  | Pro-3, 52" Lower Mast      |                                | 52.00"(132cm)                    |              |                   | 16lb<br>(7.3kgs)  |
| 30231  | Pro-3 HD Davit, 42R-100H   | 33" (84cm)<br>42" (107cm)      | 91" (231cm)-<br>100" (254cm)     | Rear / Front | 60142             | 50lb<br>(22.7kgs) |

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## Best Hoist Pro-3 Series Hoist Systems

### Hoist System Packages



| Package Part# | Package Contains                                                                                     | Reach          | Height          | Upper Davit | Lower Mast | Base  | Winch | Structure Bracket | Weight                |
|---------------|------------------------------------------------------------------------------------------------------|----------------|-----------------|-------------|------------|-------|-------|-------------------|-----------------------|
| 20035         | Pro-3 Hoist System, Davit 28R-84H(Upper & Lower Mast) w/ Portable Base (6pc), Winch & Winch Bracket  | 28"<br>(71cm)  | 84"<br>(213cm)  | 30104       | 30108      | 30070 | 60217 | 60141             | 129.0lbs<br>(58.5kgs) |
| 20036         | Pro-3 Hoist System, Davit 28R-84H(1pc Mast) w/ Portable Base (5pc), Winch & Winch Bracket            | 28"<br>(71 cm) | 84"<br>(213cm)  | 30106       | -          | 30070 | 60217 | 60141             | 129.0lbs<br>(58.5kgs) |
| 20037         | Pro-3 Hoist System, Davit 28R-108H(Upper & Lower Mast) w/ Portable Base (6pc), Winch & Winch Bracket | 28"<br>(71cm)  | 108"<br>(274cm) | 30105       | 30109      | 30070 | 60217 | 60141             | 135.0lbs<br>(61.3kgs) |
| 20038         | Pro-3 Hoist System, Davit 28R-108H(1pc Mast) w/ Portable Base (5pc), Winch & Winch Bracket           | 28"<br>(71cm)  | 108"<br>(274cm) | 30107       | -          | 30070 | 60217 | 60141             | 129.0lbs<br>(58.5kgs) |
| 20113         | Pro-3 Hoist System Davit 28R-84H(Upper & Lower Mast) w/ Portable Base (6pc)                          | 28"<br>(71cm)  | 84"<br>(213cm)  | 30104       | 30108      | 30070 | -     | -                 | 89.0lbs<br>(40.5kgs)  |
| 20080         | Pro-3 HD Hoist System Davit 42R-100H(1pc Mast) w/Portable Base (5pc), Winch & Winch Bracket          | 42"<br>(107cm) | 100"<br>(254cm) | 30231       | -          | 30115 | 60217 | 60142             | 170.0lbs<br>(77.1kgs) |
| 20136         | Pro- HD Hoist System Davit 42R-100H(1pc Mast) w/Portable Base (5pc)                                  | 42"<br>(107cm) | 100"<br>(254cm) | 30231       | -          | 30115 | -     | -                 | 130.0lbs<br>(59kgs)   |

**NOTE: Structure bracket is required with devices and is not included in ALL packages – Contact Office**



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