

DAVIT CRANES

PORTABLE | TRANSPORTABLE | STATIONARY

Up to 3000 lb Capacity

- Adjustable Boom Lengths and Angles
- Smooth 360° Rotation
- Manual or Power Winch Operation
- Corrosion-Resistant Finishes
- Variety of Bases
- 2-Year Warranty



These products are not for lifting people, or things over people.

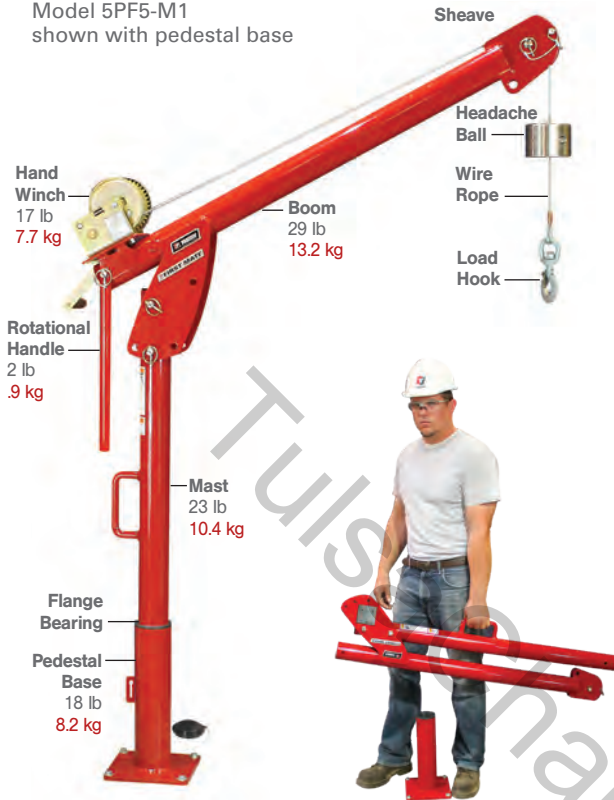
FLCL-0618

1.800.843.7648

Winona, MN USA | www.thern.com

FIRST MATE PORTABLE DAVIT CRANE

Model 5PF5-M1
shown with pedestal base



FIRST MATE

Portable Davit Cranes

Hand Winch Operation
Up to 850 lb (385 kg) capacity

Ordering your crane is as easy as 1... 2... 3...

Select the option that best suits your needs for each item.
Fill in the boxes below to create your crane number.

1 Crane	2 Optional Finish*	3 Winch
5PF5		

i.e. 5PF5G-M1

* Leave blank for standard powder coat finish

4 Order your Base, Wire Rope Assembly and Optional Accessories separately. See next page.

• **Two-Year Limited Warranty**

CRANE MODEL

- **Crane Rotates 360°** on a sleeve bearing in the base. Handle on crane makes rotation easy.
- **Adjustable Boom Angle** with 3 different positions for operation.
- **Crane** folds down for storage or transport.
- **Optional Lock** holds crane position at 30° increments.

1 CRANE MODEL 5PF5

Model	Description	Approx. Ship Weight
5PF5 ¹	Up to 850 lb capacity - portable davit crane	54 lb 24.5 kg

Please contact Them or nearest Them Distributor for firm fixed price and delivery.

¹ **Base Model includes corrosion resistant electrostatic powder coated finish. Other finishes available. See option 2.**

OPTIONAL FINISHES

- **Galvanized Finish** provides extra protection against corrosion.
- **Stainless Steel Models** are constructed of 304 or 316 stainless steel with an electro-polished finish for superior corrosion resistance.
- **Epoxy Grey Finish** provides extra protection against corrosion.

2 OPTIONAL FINISH (Crane Only)

Finish	Description
G	Galvanized finish - crane only
S	304 Stainless steel construction - crane only
S316	316 Stainless steel construction - crane only
X	Grey* Epoxy Paint Finish - crane only

*Custom colors available - Contact factory

WINCH MODELS

- **Hand Winch Operated Models** include spur gear or worm gear hand winch with brake for load control. Model M2 winch can be drill-driven, 300 rpm max.
- **Power Winch Operated Models** include electric winch with pendant control and brake. Other power options available, please contact Them.
- **Quick Disconnect Anchor** for quickly attaching or removing wire rope equipped with a swaged ball fitting.

3 WINCH OPTIONS

Winch	Description	Aprx. Ship Weight
M1	M4022PB-K - zinc plated spur gear hand winch	17 lb 7.7 kg
M2	4WM2-K - red powder coat worm gear hand winch	42 lb 19.1 kg
M2X	4WM2EGRA-K - grey epoxy worm gear hand winch	42 lb 19.1 kg
M3	M4042PBSS-K - stainless steel spur gear hand winch	24 lb 10.9 kg
E2	4WP2-K red enamel electric winch - 115/1/60 VAC w/6 ft pendant control	85 lb 39 kg
E2X	4WP2EGRA-K grey epoxy electric winch - 115/1/60 VAC w/6 ft pendant control	85 lb 39 kg
E4	4777-K red enamel electric winch - 115/1/60 VAC w/6 ft pendant control	110 lb 50 kg
E4X	4777EGRA-K grey epoxy electric winch - 115/1/60 VAC w/6 ft pendant control	110 lb 50 kg
E4DC	4777DC-K red enamel electric winch - 12 volt DC w/10 ft pendant control	124 lb 57 kg
E4DCX	4777DCEGRA-K grey epoxy electric winch - 12 volt DC w/10 ft pendant control	124 lb 57 kg



4 First Mate Series Bases, Wire Rope Assemblies and Accessories

INDEPENDENT BASES – sold separately

- **Pedestal, Socket (flush mount) or Wall** mount style
- **Wheel Base** for floor crane operation. Base includes stationary front wheels and rear caster wheels for 360° maneuverability. See Model 5BR5.
- **Important:** Base installation is purchaser's responsibility. Thern recommends consulting a civil engineer or other qualified professional. Contact Thern for installation guidelines.



Finishes	MODELS				
	Pedestal	Flush	Wall	Wheel	Extension
Powder Coat Paint	5BP5	5BF5	5BW5	5BR5	5BE5-15
Galvanized	5BP5G	5BF5G	5BW5G	-	5BE5-15G
304 Stainless Steel	5BP5S	5BF5S	5BW5S	-	5BE5-15S
316 Stainless Steel	5BP5S316	5BF5S316	5BW5S316	-	5BE5-15S316
Epoxy Paint	5BP5X	5BF5X	5BW5X	5BR5X	5BE5-15X
Approximate Ship Weight	21 lbs (9.5 kg)	21 lbs (9.5 kg)	23 lbs (10.4 kg)	77 lbs (35 kg)	17 lbs (7.7 kg)

WIRE ROPE ASSEMBLIES – sold separately

- **Galvanized or Stainless Steel** wire rope assemblies with swaged ball fitting to work with the quick disconnect anchor on the winch. 316 Stainless Steel assemblies available - contact factory.

Wire Rope Length		Galvanized Aircraft Cable		304 Stainless Steel Wire Rope	
		3/16" Dia. (4.8 mm)	1/4" Dia. (6.4 mm)	3/16" Dia. (4.8 mm)	1/4" Dia. (6.4 mm)
(ft)	(m)	Model No.	Model No.	Model No.	Model No.
20	6.0	WA19-20NS	WA25-20NS	WS19-20NS	WS25-20NS
28	8.5	WA19-28NS	WA25-28NS	WS19-28NS	WS25-28NS
36	10.9	WA19-36NS	WA25-36NS	WS19-36NS	WS25-36NS
45	13.7	WA19-45NS	WA25-45NS	WS19-45NS	WS25-45NS
60	18.2	WA19-60NS	WA25-60NS	WS19-60NS	WS25-60NS
75	22.8	WA19-75NS	WA25-75NS	WA19-75NS	WS25-75NS
90	27.4	WA19-90NS		WA19-90NS	

*For approximate ship weights - See page 93

ACCESSORIES - Sold Separately

Base Installation Anchor Kits

4 Hilti® Torque controlled expansion anchors
1.4 lb 0.64 kg

AN50A-5 - Zinc plated steel STL KB-TZ

AN50A-5S - 304 Stainless steel SST304 KB-TZ

AN50A-5S316 - 316 Stainless steel SST316 KB-TZ



Cable Spool - 316 Stainless steel reel winds up wire rope when detached from crane.

Model No. RW50 - 12 lb 5.5 kg



Wire Rope Keeper - Stainless Steel bracket attaches to base or other structure to hold free end of the wire rope when detached from crane.

Model RK19-25S - 304 Stainless Steel

Model RK19-25S316 - 316 Stainless Steel



Headache Ball

Keeps cable taut when no load is attached
Fits 1/8" (3mm) to 1/4" (6mm) wire rope diameters

HB10-12-25 - Painted steel 10 lb 4.5 kg

HB10S-12-25 - Polished 316 Stainless steel 10 lb 4.5 kg



Drill Drive Kits - 300 rpm drill motor to power drive the M2 hand winch option.
Includes 1-1/8" hex drive socket

Model ED300-DW11 - 120 VAC power drill kit

Model ED300-DW06 - Cordless drill kit



5PF5 Series Rotational Lock

Holds crane position at 30° increments.

Model No. 5PF5LCK - 316 Stainless Steel

IMPORTANT:

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FIRST MATE PORTABLE DAVIT CRANE

PERFORMANCE

First Mate 5PF5 Series Performance¹ Lift Below Floor Level with Pedestal Base

Lift Below ² Floor				Wire Rope Diameter		Wire Rope Length		Winch Configurations				
Minimum (C)		Maximum (A)						M1	M2	M3	E2	E4
(ft)	(m)	(ft)	(m)	(in)	(mm)	(ft)	(m)					
6	1.8	9	2.7	3/16	5	20	6.0	x	-	x	-	x
14	4.2	17	5.1	3/16	5	28	8.5	x	-	x	-	x
22	6.7	25	7.6	3/16	5	36	10.9	x	-	x	-	x
31	9.4	34	10.3	3/16	5	45	13.7	x	-	x	-	x
46	14.0	49	14.9	3/16	5	60	18.2	-	-	x	-	x
61	18.5	64	19.5	3/16	5	75	22.8	-	-	x	-	x
76	23.1	79	24.0	3/16	5	90	27.4	-	-	x	-	x
6	1.8	9	2.7	1/4	6	20	6.0	-	x	x	x	x
14	4.2	17	5.1	1/4	6	28	8.5	-	x	x	x	x
22	6.7	25	7.6	1/4	6	36	10.9	-	x	x	x	x
31	9.4	34	10.3	1/4	6	45	13.7	-	x	x	x	x
46	14.0	49	14.9	1/4	6	60	18.2	-	x	-	x	x
61	18.5	64	19.5	1/4	6	75	22.8	-	x	-	x	x



For longer lifts - Up to 285 ft. (86.8 m) - Please contact factory

¹ Performance Characteristics are for standard products. Non-standard products may vary from the original design. Contact Thern, Inc. for this information.

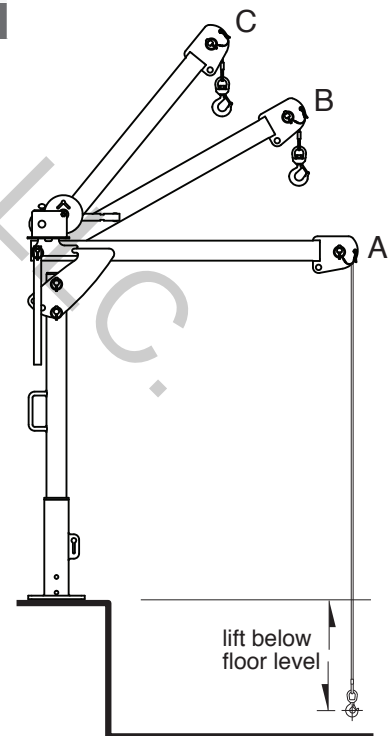
² Lift below floor level varies depending on boom position and base configuration. **For longer lifts please contact factory.**

First Mate 5PF5 Performance Ratings¹ For all winch configurations

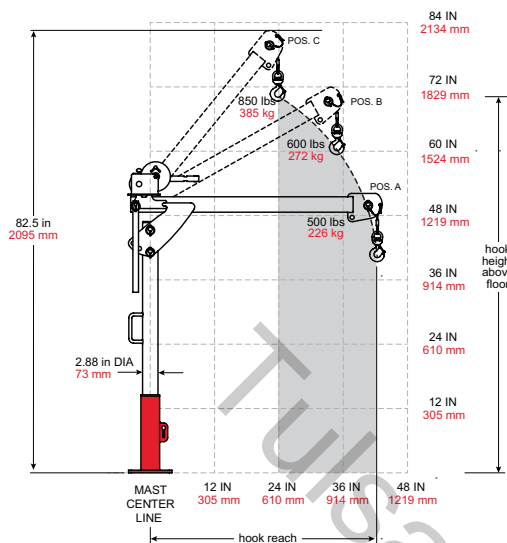
Boom Position	Load Rating ² 1/8" (3mm) Diameter wire rope		Load Rating ² 3/16" and 1/4" (5 & 6mm) Diameter wire rope	
	(lb)	(kg)	(lb)	(kg)
A	500	226	500	226
B	570	258	600	272
C	570	258	850	385

¹ Performance Characteristics are for standard products. Non-standard products may vary from the original design. Contact Thern, Inc. for this information.

² Load Rating with 7x19 Galvanized Aircraft Cable. Load Rating may be reduced with other rope types.

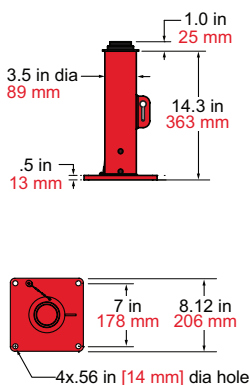


Pedestal Base



Pedestal Base

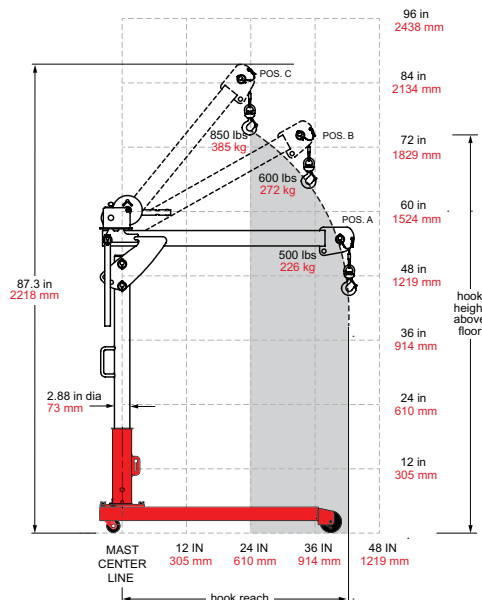
5BP5, 5BP5G, 5BP5S,
5BP5S316, 5BP5X



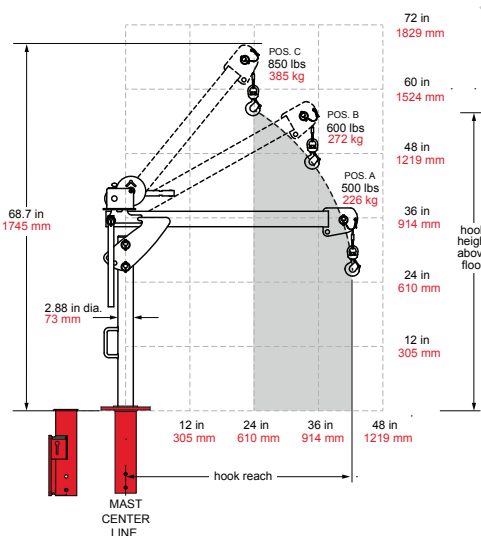
DIMENSIONS

Wheel Base

5BR5, 5BR5X

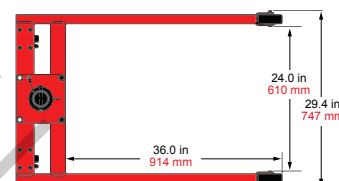
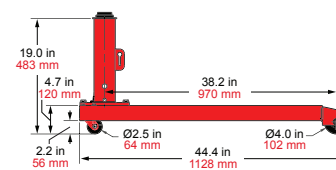
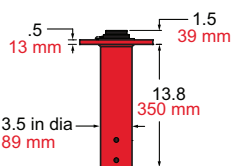
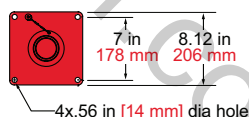


Flush or Wall Mount Base



Flush Mount Base

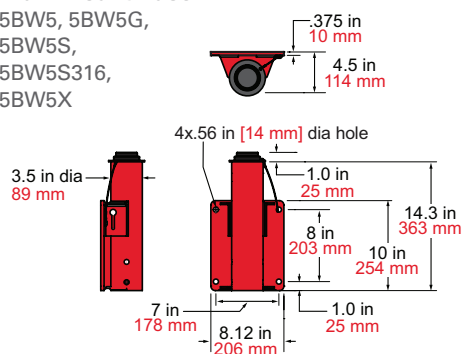
5BF5, 5BF5G, 5BF5S,
5BF5S316, 5BF5X



IMPORTANT: Crane DOES NOT rotate in base when assembled in 5BR5 wheel base.

Wall-Mount Base

5BW5, 5BW5G,
5BW5S,
5BW5S316,
5BW5X



First Mate Reach & Height Above Floor

Boom Position	Hook Reach		Hook Height					
			Pedestal Base		Roll Base		Flush or Wall Base	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
A	42	1066	40	1016	44.5	1130	26	660
B	35	889	60	1524	64.5	1638	46	1168
C	24	609	70	1778	74.5	1892	56	1422

Dimensions are for reference only and subject to change without notice.

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