









a lift?

DAVIT CRANES THAT WORK HARD IN MORE PLACES

When it comes to equipment for heavy-duty lifting and positioning, Thern has the experience you are looking for. Large or small, heavy or light, Thern has designed and manufactured standard and custom cranes and winches for countless customer applications around the world.

Water/Wastewater

Marine

Construction

Oil & Gas

Manufacturing

Utilities/Power Generation

Defense/Government

Bulk Handling

Mining



Industries All Over the World...

Thern winches and cranes can be found lifting, pulling and positioning loads in virtually every industry imaginable. Our portable davit cranes are seen lifting submersible pumps in wastewater treatment plants around the world. Our industrial strength hand winches make quick work of heavy loads in manufacturing.

























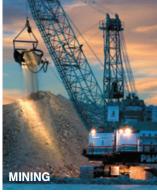


...Leave the Heavy Lifting to Us

No load is too large. No job is too small. Whatever industry you're in, Thern winches and cranes make any job easier and more efficient. Contact us today and let us help you determine the right product for your application.



DEFENSE





















Form FCS4-1114









Our Rugged STEEL Cranes Work Harder

QUICK DISCONNECT ANCHOR

Wire rope is secured to an anchor hole in the flange of the drum, allowing you to rapidly attach or remove wire rope from the crane so wire rope assemblies can be left

permanently attached to submersed pumps while the crane is moved to a new location.









HAND OR POWER **OPERATION**

Thern Davit Cranes can be configured with a manual winch for short, infrequent lifts, or a power winch for longer lifts or heavier loads.



MADE IN USA









to Make Your Work Easier



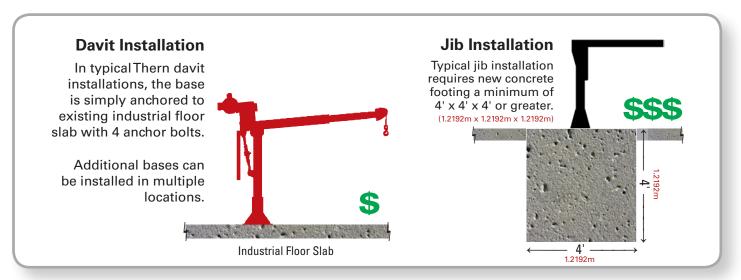




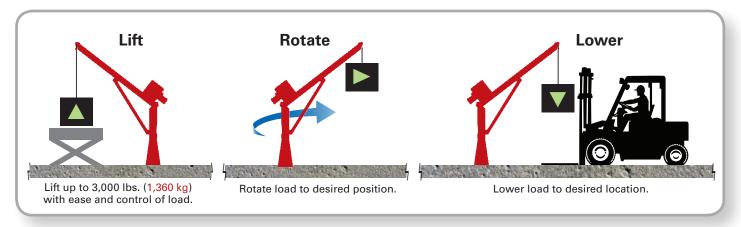
Form FCS4-1114

Thern Davit Crane Advantages . .

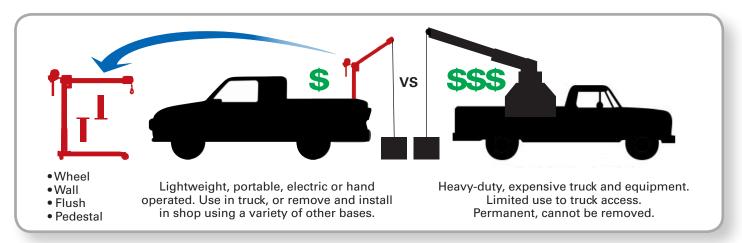
SIMPLE INSTALLATION



INDUSTRIAL APPLICATIONS

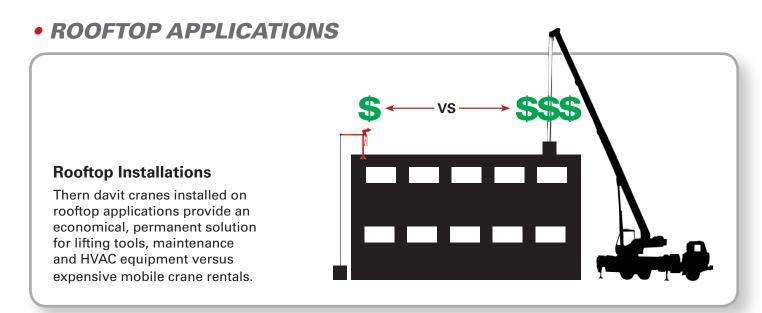


TRUCK MOUNTED APPLICATIONS

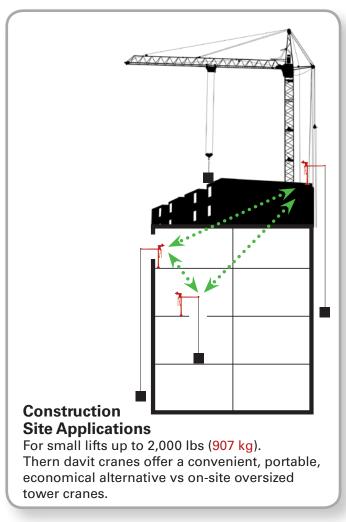


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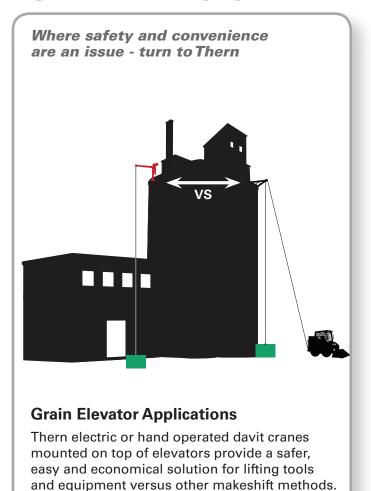
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CONSTRUCTION SITES



GRAIN ELEVATORS



Form FCS4-1114 MADE IN USA

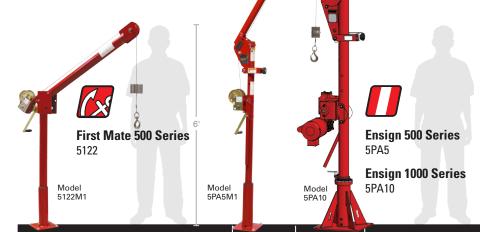
PORTABLE / STATIONARY

DAVIT CRANES

at a GLANCE

No one knows cranes likeThern. We build our stationary davit cranes and portable davit cranes to exacting specifications to ensure long-lasting performance and reliability.

Our standard cranes are available in multiple styles and sizes to raise and lower loads up to 3,000 lbs.





		PORT	ABLE		MAXIM	ADJUS BOO					
MODEL	Max Capacity	.,		Darah	Height	Standard Lift	Long Lift *	1 4 h	A 1 -		MANU
		Yes	No	Reach	(above floor)	Liπ (below floor)	(below floor)	Length	Angle	Spur	Worm
First Mate 500 Series 5122	500 lbs 226 kg	•		42 in 1066 mm	60 in 1524 mm	65 ft 19.8 m	240 ft 73.1 m		•	•	
Ensign 500 Series 5PA5	500 lbs 226 kg	•		36 in 914 mm	101 in 2565 mm	75 ft 22.8 m	240 ft 73.1 m	•	•	•	•
Ensign 1000 Series 5PA10	1200 lbs 544 kg	•		48 in 1219 mm	120 in 3048 mm	71 ft 21.6 m	240 ft 73.1 m	•	•	•	•
Commander 1000 Series 5PT10	1000 lbs 453 kg	•		66 in 1676 mm	85 in 2159 mm	77 ft 23.4 m	240 ft 73.1 m	•	•	•	•
Commander 2000 Series 5PT20	2000 lbs 907 kg	•		82 in 2082 mm	97 in 2463 mm	75 ft 22.8 m	350 ft 106.6 m	•	•	•	•
Captain 1500 Series 571	1500 lbs 680 kg		•	87 in 2209 mm	118 in 2997 mm	56 ft 17.1 m	290 ft 88.3 m		•	•	•
Captain 2200 Series 572	2200 lbs 997 kg		•	106 in 2692 mm	140 in 3556 mm	52 ft 15.8 m	350 ft 106.6 m		•	•	•
Admiral 3000 Series 5PT30	3000 lbs 1360 kg	•		112 in 2844 mm	153 in 3886 mm	55 ft 16.8 m	350 ft 106.6 m	•	•	•	•

MADE IN USA

🗶 Long lift ratings require electric winches. Max capacity may vary depending on wire rope diameters. Contact factory.



WINCHES					FINIS	HES			Quick	
AL	POV	VER	Powder Coat	Enamel Paint	Galv	304 SS	316 SS	Epoxy Paint	Disconnect Anchor	WHY THIS CRANE?
SS Spur	AC	DC	(Red)	(Red)				(Gray)		
•			•		•	•	•	•	•	Lightweight, economical, easy to carry and easy to use, the First Mate 500 is perfect for a wide variety of simple jobs where adjustable height and reach are not required.
•	•	•	•		•	•	•	•	•	Longer mast and boom provide increased hook height, making the Ensign 500 an excellent choice for clearing tall objects, such as hand rails, or lifting tall loads.
•	•	•	•		•	•	•	•	•	Shorter horizontal reach than the Commander Series, the Ensign 1000 features increased vertical hook height for clearing tall objects, such as hand rails, or lifting tall loads.
•	•	•	•		•	•	•	•	•	Our work horse crane for mid-range loads, easy to carry when disassembled, and includes an adjustable boom to reach a wide range of height and reach combinations.
•	•	•	•		•	•	•	•	•	Our largest fully portable crane, capable of handling larger loads with an adjustable boom for a full range of height and reach options, with only a 6" concrete floor required.
A	•	•		•				•	•	Designed for permanent installation and smooth rotation, the Captain 1500 provides extended height and reach, and still only requires a 6" concrete floor for installation.
	•	•		•				•		Designed for permanent installation and smooth rotation, the Captain 2200 handles larger loads with extended reach and height. Requires a foundation pad for installation.
	•	•		•	•			•		The best of all worlds, handling large loads up to 1.5 tons, with an adjustable boom for high lifts and almost 10 feet of reach , and can still be disassembled for relocation.

Form FCS4-1114

Boom angle adjustment with optional ratchet-style screw-jack.

Non-standard configuration.



















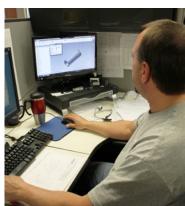












MADE IN USA

FIRST MATE SERIES



MADE IN USA

FIRST MATE SERIES

Features & Benefits

hand winch 17 lbs 7.7 kg

boom

27 lbs

12.3 kg



Swaged ball fitting allows for easy installation of wire rope assemblies. Four drum wraps required for proper operation.

QUICK DISCONNECT ANCHOR

On end of wire rope. For quickly attaching or removing wire rope equipped with a swaged ball fitting.

MANUAL or POWER OPERATION

An economical solution to your lifting needs, Thern davit cranes can be configured with a spur gear hand winch equipped with automatic disc brake for load control on short, infrequent lifts; or a power winch for longer lifts and heavier loads. Winch is located behind the crane at the right height for ergonomic operation.

NYLATRON FLANGE BEARING

Supports the mast at the top of the base and assists with the crane's smooth rotation.

ROLLER ASSEMBLY •

Crane mast and boom rotate on a bolt and roller assembly located in the bottom of the base.

CRANE STANDARDS

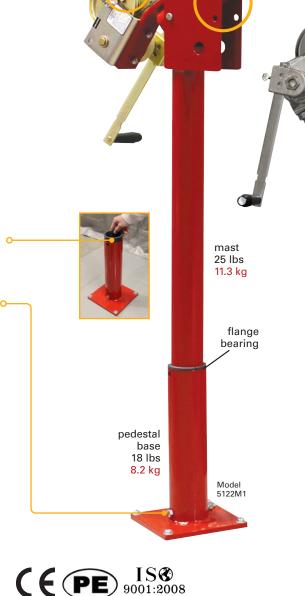
• CE cranes available

- PE stamp available upon request
 - ISO 9001:2008 Registered



2-YEAR WARRANTY

Industry-leading two-year limited warranty.

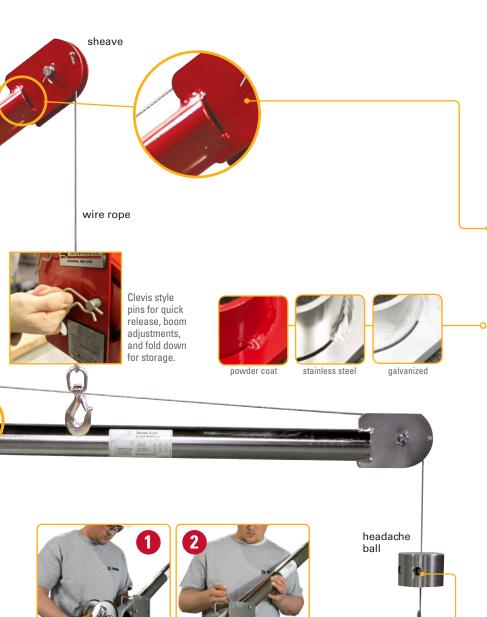




Form FCS4-1114

Model

5122M3SS





WELDED STEEL CONSTRUCTION

Crane boom, mast and base fabricated from heavy duty structural steel that limits deflection and meets ASTM standards. Features a built-in 3:1 design factor that stands up to abuse.

CORROSION RESISTANT FINISH

Electrostatic powder coating on crane, zinc plating on winches, and stainless steel fasteners combine to resist corrosion in harsh environment. Other options available including galvanized and stainless steel.

ADJUSTABLE BOOM ANGLE

With 2 different positions for operation, and folds down for storage or transport.

CRANE ROTATES

360° in a sleeve bearing on the base for ease of positioning load.

STAINLESS STEEL PINS

Clevis style pins for quick release, boom adjustments, and fold down for storage.

WIRE ROPE ASSEMBLY

Available in a variety of lengths in galvanized and stainless steel. Sold separately.

HEADACHE BALL

Clamped to wire rope to keep cable taut when no load is attached. Sold separately.

EASY ASSEMBLY & DISASSEMBLY (FOLD-DOWN)

Quick-release pins allow for easy assembly and quick disassembly for transport or storage. No tools required.

VARIETY OF BASES

Pedestal, flush and wall mount bases allow for removal of the mast. Wheel base also available. Bases sold separately.









load



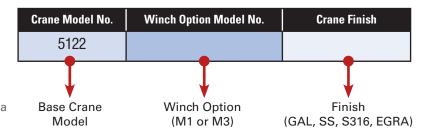
Form FCS4-1114



CONFIGURING

YOUR CRANE IS AS EASY as 1 - 2 - 3

Begin with your base crane model, then select a winch option and crane finish.





CRANE BASE MODEL

Base model crane for First Mate 500 is 5122. See performance characteristics.

Series	Base Model	Capacity
First Mate 500	5122	500 lbs 227 kg



WINCH OPTIONS FOR FIRST MATE

HAND WINCHES Mounted to the mast, includes disc brake for load control, and steel gear covers to protect gears and help prevent injuries.



Winch	Model No.	Description	Finish	Approx. Ship Weight	Advantage
M1	M4022PB-K	• 1000-lb spur gear hand winch with brake • auto disc brake for load control	Zinc Plated	17 lbs 7.7 kg	corrosion-resistant trivalent zinc plated disc brake for load control steel gear covers
M3	M4042PBSS-K	1000-lb stainless steel spur gear hand winch with auto disc brake for load control	Stainless Steel	24 lbs 11 kg	larger capacity drum holds more rope for longer lifts • electro-polished for added protection D:d capacity



FINISH OPTIONS FOR FIRST MATE

All cranes come standard with corrosion-resistant electrostatic powder coat red finish and are available in four optional corrosion-resistant finishes: galvanized, 304 stainless steel, 316 stainless steel, and epoxy. Custom colors are available upon request.

Finish	Code	Description
Powder Coat (Red)	(standard)	• the standard red electrostatic powder coating applied to all cranes
Galvanized	GAL	• the economical choice that provides extra corrosion protection
304 Stainless Steel	SS	electro-polished for added protection
316 Stainless Steel	S316	• a higher level of corrosion protection
Epoxy (Gray)	EGRA	• 3-part epoxy that dries very hard and is impact, fire, water, and slip-resistant





Select your base(s)

Select the appropriate base(s) for your application from the Base Options chart. Matching your crane with multiple bases provides optimal worksite flexibility and an economical solution for servicing multiple lift stations.

BASE OPTIONS FOR FIRST MATE

Independent bases for Thern portable davit cranes are sold separately and are available in a variety of styles and finishes to suit the needs of your application.

Finish	Pedestal / Flush	Wall	Wheel
Powder Coat (Red)	522	522W	_
Galvanized	522GAL	522WGAL	_
304 Stainless Steel	522SS	522SSW	_
316 Stainless Steel	522S316	522S316W	_
Epoxy (Gray)	522EGRA	522WEGRA	_
Enamel Paint	_		514
Approx. Ship Weight	18 lbs 8.2 kg	21 lbs 9.5 kg	80 lbs 36 kg



WIRE ROPE ASSEMBLIES FOR FIRST MATE

Thern winches and cranes are sold without wire rope. However, we carry top quality wire rope assemblies optimally designed for use with our winches and cranes.





Galvanized Aircraft Cable: Enamel swivel hook with swaged ball fitting.

304 Stainless Steel Wire Rope: SS swivel hook and swaged ball fitting.

316 Stainless Steel Wire Rope: SS swivel hook and swaged ball fitting.

		Galvanized A	ir Craft Cable		30	04 Stainless S	teel Wire Ro	1e	316 Stainless Steel Wire Rope				
Wire Rope	3/16" D	iameter	1/8" Diameter		3/16" Diameter		1/8" Diameter		3/16" Diameter		1/8" Diameter		
Length	Model	Ship Wt.	Model	Ship Wt.	Model	Ship Wt.	Model	Ship Wt.	Model	Ship Wt.	Model	Ship Wt.	
20 ft 6 m	WA19-20NS	3 lbs 1.4 kg	_	_	WS19-20NS	3 lbs 1.4 kg	_	_	WSS19-20NS	3 lbs 1.4 kg	_	_	
28 ft 8.5 m	WA19-28NS	4 lbs 1.8 kg	_	_	WS19-28NS	3 lbs 1.4 kg	_	_	WSS19-28NS	3 lbs 1.4 kg	_	_	
36 ft 10.9 m	WA19-36NS	4 lbs 1.8 kg	_	_	WS19-36NS	3 lbs 1.4 kg	_	_	WSS19-36NS	3 lbs 1.4 kg	_	_	
45 ft 13.7 m	WA19-45NS	5 lbs 2.3 kg	_	_	WS19-45NS	4 lbs 1.8 kg	_	_	WSS19-45NS	4 lbs 1.8 kg	_	_	
60 ft 18.2 m	WA19-60NS	10 lbs 4.5 kg	WA12-60NS	4 lbs 1.8 kg	WS19-60NS	9 lbs 4.1 kg	WS12-60NS	4 lbs 1.8 kg	WSS19-60NS	9 lbs 4.1 kg	WSS25-60NS	4 lbs 1.8 kg	
75 ft 22.8 m	WA19-75NS	12 lbs 5.4 kg	WA12-75NS	4 lbs 1.8 kg	WS19-75NS	11 lbs 5.0 kg	WS12-75NS	4 lbs 1.8 kg	WSS19-75NS	11 lbs 5.0 kg	WSS25-75NS	4 lbs 1.8 kg	
90 ft 27.4 m	WA19-90NS	7 lbs 3.2 kg	WA12-90NS	5 lbs 2.3 kg	WS19-90NS	7 lbs 3.2 kg	WS12-90NS	5 lbs 2.3 kg	WSS19-90NS	7 lbs 3.2 kg	WSS25-90NS	5 lbs 2.3 kg	
120 ft 36.5 m	_	_	WA12-120NS	6 lbs 2.7 kg	_	_	WS12-120NS	6 lbs 2.7 kg	_	_	WSS25-120NS	6 lbs 2.7 kg	
150 ft 45.7 m	_	_	WA12-150NS	7 lbs 3.2 kg	_	_	WS12-150NS	7 lbs 3.2 kg	_	_	WSS25-150NS	7 lbs 3.2 kg	

NOTE: 1/8" 316 wire rope is available with a derate. Please contact the factory. See page 23 for performance characteristics.

Form FCS4-1114





ACCESSORIES FOR FIRST MATE

Thern offers a variety of accessories designed to protect your equipment and make operating your portable davit crane as efficient and trouble-free as possible.

BASE INSTALLATION HARDWARE

A torque controlled expansion anchor especially suited to seismic and cracked concrete applications.

CARBON STEEL ANCHOR KIT

AN50A-5 - Carbon steel anchor body, nut and washer with type 316 stainless steel expansion sleeve. Size: 1/2 inch x 5-1/2 inch. Approx. ship weight: 1.40 lb (0.64 kg).

304 STAINLESS STEEL ANCHOR KIT

AN50A-5S - Type 304 stainless steel anchor body, nut and washer with type 316 stainless steel expansion sleeve. Size: 1/2 inch x 5-1/2 inch. Approx. ship weight: 1.40 lb (0.64 kg).

• 316 STAINLESS STEEL ANCHOR KIT O

AN50A-5S316 - Type 316 stainless steel anchor body, nut, washer and expansion sleeve. Size: 1/2 inch x 5-1/2 inch. Approx. ship weight: 1.40 lb (0.64 kg).

BASE COVER •

Cover fits in the mast hole in the base to help keep water from collecting inside the base when the crane is removed.

- TK2P Plastic. Approx. ship weight: 0.05 lb (0.02 kg)
- TK2 Steel, enamel finish. Approx. ship weight: 0.05 lb (0.02 kg)

HEADACHE BALL •

Keeps cable taut when no load is attached. Attach to cable.

- HB10-12-25 Painted Steel, 1/8 to 1/4 inch wire rope. Approx. ship weight: 9.96 lb (4.52 kg).
- HB10S-12-25 Polished 304 Stainless Steel, 1/8 to 1/4 inch wire rope. Approx. ship weight: 10.19 lb (4.62 kg).

CABLE SPOOL •

• RW50 - Keeps wire rope neat and safe when not in use. 316 stainless steel reel winds up wire rope when detached from crane. Suitable for wire ropes up to 5/16 diameter, capacity will vary. Not designed to hold a load. Rated capacity: 50 lbs. Approx. ship weight: 14.0 lb (6.35 kg).

WIRE ROPE CAPACITIES

3/16 in wire rope 140 ft 75 ft 1/4 in wire rope 5/16 in wire rope 50 ft

WIRE ROPE KEEPER •

• RK19-25S - 304 Stainless steel metal bracket attaches to base or other structure to hold free end of the wire rope when detached from crane. Not designed to hold a load. Approx. ship weight: 1.00 lb (0.45 kg).





















ADDITIONAL OPTIONS FOR FIRST MATE SERIES

Thern offers a variety of additional options you can choose to enhance your davit crane.

FACTORY LOAD TEST

Upon request, Thern can test your crane prior to shipping, up to 125% of rated load.

• EXTENDED 5-YEAR WARRANTY

Extend our standard 2-year warranty to 5 years.

• PE STAMP - PROFESSIONAL ENGINEER STAMP

Available upon request at time of order.

• CE MARK

Available upon request at time of order, CE mark for products sold into the European union.

ATEX CLASSIFICATION

Specially rated for use in explosive settings. Available upon request at time of order.

WINCH COVER

Canvas cover that fits all hand winches. Protects your winch from the elements when not in use.







ADDITIONAL OPTIONS FOR POWER

• POWER WINCH OPERATION

AC electric in any voltage. DC electric, hydrualic and pneumatic power winches available.

• CUSTOM ELECTRIC CONTROLS

Thern can build the high quality controls you need to operate your equipment.

• DRILL-DRIVEABLE WINCH

A worm gear hand winch is also available for operation with a 400 rpm max drill motor option.

• LIMIT SWITCH

Add an emergency safety shut-off to ensure safe operation.

CUSTOMIZATION AVAILABLE FOR FIRST MATE SERIES

Customization is available for almost allThern products and should always be performed by our engineers to assure the changes meet our stringent quality standards. Below are some of our more common customization requests. Only factory modifications are covered under warranty.

• LONGER LIFT DISTANCES

Customized winch and crane configurations to accommodate longer lifts.

• CUSTOM COLORS & FINISHES

Custom colors and finishes are available to match your unique application

• EXTENDED BOOM AND MASTS

Thern can extend mast heights and boom lengths to fit your needs

• RELOCATE THE WINCH

The winch can be relocated to fit confined spaces or height restrictions

SPECIAL BASES

Custom bases or mounting requirements can be manufactured to meet your unique situation



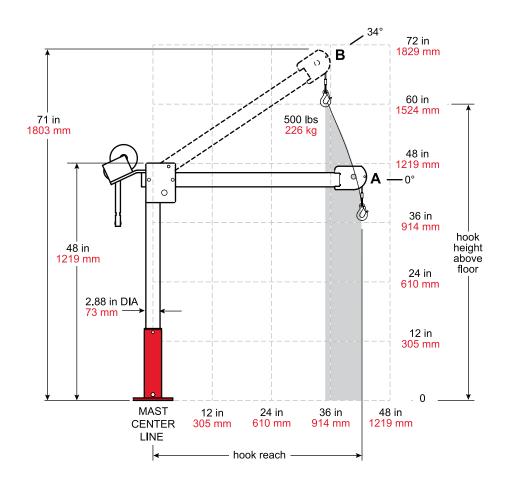
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CRANE DIMENSIONS WITH PEDESTAL BASE

First Mate 500 Series Model 5122

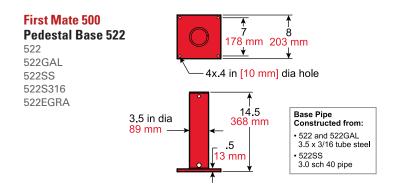








BASE DIMENSIONS OF PEDESTAL



First Mate 500 Upright Reach & Height Above Floor

Boom Position	Hook	Reach	Hook	Height
	(in)	(mm)	(in)	(mm)
А	42	1066	37	939
В	35	889	60	1524

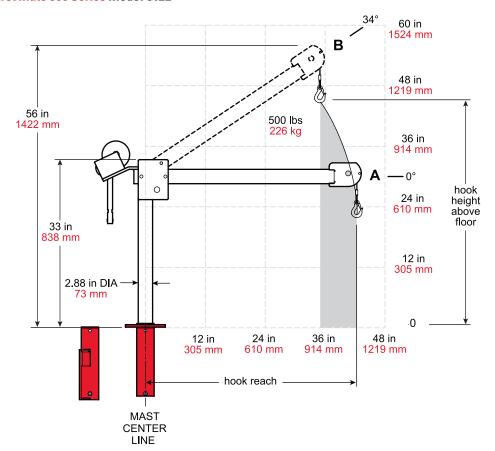
Dimensions are for reference only and subject to change without notice.





CRANE DIMENSIONS WITH PEDESTAL BASE

First Mate 500 Series Model 5122





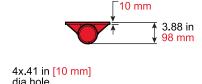


BASE DIMENSIONS OF FLUSH OR WALL-MOUNT

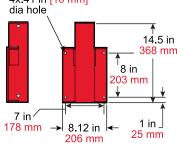
First Mate 500

Wall-Mount Base 522W

522W 522WGAL **522WSS** 522WS316 522WEGRA



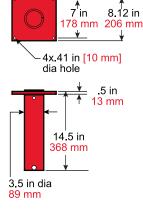
.38 in



Base Pipe Constructed from: • 522 and 522GAL 3.5 x 3/16 tube steel • 522SS 3.0 sch 40 pipe

First Mate 500 Flush Base 522 522 522GAL

522SS 522S316 522EGRA



First Mate 500 Flush or Wall-Mount **Reach & Height Above Floor**

Boom Position	Hook	Reach	Hook	Height
	(in)	(mm)	(in)	(mm)
А	42	1066	22	558
В	35	889	45	1143

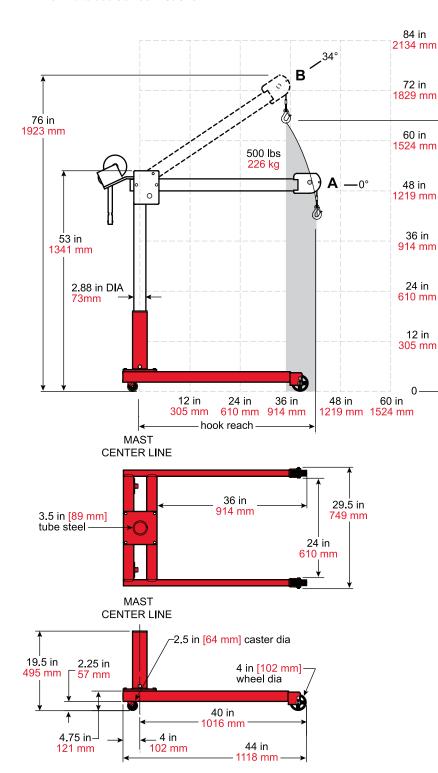
Dimensions are for reference only and subject to change without notice





CRANE DIMENSIONS WITH WHEEL BASE

First Mate 500 Series Model 5122









Boom Position	Hook	Reach	Hook Height			
	(in)	(mm)	(in)	(mm)		
А	42	1066	42	1066		
В	35	889	65	1651		

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

hook

height above floor

> IMPORTANT: Crane DOES NOT rotate in base when assembled in 514 wheel base.





PERFORMANCE CHARACTERISTICS

First Mate 500 Series Model 5122

AT A GLANCE...

- Lift Below Floor Level up to 65 feet
- 500 lb Load Rating with M1 and M3 winches



Lift	Below F	loor Le	evel*		Rope neter		Rope igth	First I	Load Mate 500	Rating Series w	Load Rating ith M1 First Mate 500 Series w			ith M3			
Max	Pos A	Max	Pos B					Posit	Position A		Position B		Position B		ion A	Posit	ion B
(ft)	(m)	(ft)	(m)	(in)	(mm)	(ft)	(m)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)		
9	3	10	2.7	3/16	4.9	20	6.1	500	226	500	226	500	226	500	226		
17	5.5	18	5.2	3/16	4.9	28	8.6	500	226	500	226	500	226	500	226		
25	7.9	26	7.6	3/16	4.9	36	11	500	226	500	226	500	226	500	226		
34	10.7	35	10.4	3/16	4.9	45	13.8	500	226	500	226	500	226	500	226		
49	15.2	50	14.9	3/16	4.9	60	18.3	_	_	_	_	500	226	500	226		
64	19.8	65	19.5	3/16	4.9	75	22.9	_	_	_	_	500	226	500	226		

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

Lift	Below I	Floor Le	evel*		Rope neter		Rope igth	First I	Load I Mate 500	Rating Series w	ith M1	First I		Rating Series w	ith M3
Max	Pos A	Max	Pos B					Posit	Position A Position		ion B	Posit	tion A	Posit	tion B
(ft)	(m)	(ft)	(m)	(in)	(mm)	(ft)	(m)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)	(lb)	(kg)
49	15.2	50	14.9	1/8	3.4	60	18.3	500	226	500	226	_	_	_	_
64	19.8	65	19.5	1/8	3.4	75	22.9	500	226	500	226	**	_	**	_
79	24.3	80	24	1/8	3.4	90	27.5	500	226	500	226	**	_	**	_
109	33.5	110	33.2	1/8	3.4	120	36.6	_		_		**	_	**	_
139	42.6	140	42.3	1/8	3.4	150	45.8	_	_	_	_	**	_	**	_

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

See page 17 for wire rope assemblies.

IMPORTANT: It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it.

^{** 1/8&}quot; rope assembly can be supplied. Contact factory.



SPUR GEAR & WORM GEAR HAND WINCHES

BUILT TO LEND A HAND ... WHERE THEY'RE NEEDED

Thern's line of hand winches is precisly engineered to add muscle, eliminate frequent maintenance and bring reliability to new levels.

Stainless Steel

For dependable performance in severely corrosive conditions such as wastewater environments.

Zinc & Iridescent Dichromate Plating

For effective, economical corrosion protection in less punishing environments.

Machine-Cut Design

Single or double reduction spur gear designs with capacities from 500 to 10,000 lbs.



Optional Brakes for Lifting Available on most of our hand winch models.

Quick Disconnect Anchors

Available on most models allow attaching or removing wire rope equipped with a swaged ball fitting.

INDUSTRIAL HEAVY DUTY POWER WINCHES

WHEN YOU NEED A LOT OF PULL ... OR A REALLY BIG LIFT

When you're dealing with the big loads, check out Thern's Heavy Duty Power Winches. Durable gears, heavy duty frames, high-capacity drums and load ratings to 76,000 lbs.

Options for Strength, Dependability & Ease of Use

Motor/gear ratio changes to meet line speed/load rating requirements

• Cable pressure bars to maintain uniform cable winding

• Rotary limit switches for secondary shut-off

 Voltage or phase changes, multi-speed motors or special motor ratings including IEEE45, tropical duty, severe duty, or explosion proof

- Electric motor controls with pendant
- UL rated custom motor controls
- Wall or ceiling installation
- Air or hydraulic motors
- Manual overrides







BASE COVER

Plastic cover fits in the mast hole in the base to help keep water from collecting inside the base when the crane is removed.



Model No.	Color	Material
TK2P	Black	Plastic
TK3P	Black	Plastic
TK4P	Black	Plastic

CABLE SPOOL

Winds up wire rope when detached from crane. Keeps wire rope neat and safe when not in use. For all crane wire ropes.



Model No.	Finish	Weight
RW50	316 Stainless Steel	12 lbs

HEADACHE BALL

Keeps cable taut when no load is attached.



Model No.	Common Wire Rope Size	Finish
HB10-12-25	1/4 in	???
HB10-25-38	3/8 in	???
HB10S-12-25	1/4 in	Stainless Steel
HB10S-25-38	3/8 in	Stainless Steel

WIRE ROPE KEEPER

Attaches to base or other structure to hold the free end of wire rope when detached from crane.



Model No.	Finish	???
B1766	B1766 Metal	





1 JOB DESCRIPTION:		WINCH Hand or Power
2 LINE PULL Gross Weight of load (A)	Load moves on track?	
Below Floor Level ©	ainted (standard)Epoxy* HydraulicPneumati	Pedestal base Socket base Wall base C Base installation is the purchaser's responsibility. Thern recommends consulting a civil engineer or other qualified professional.
Addi 6 BASE REQUIREMENTS Pedestal Base Socket/F Wheel Base Mounting states 7 ENVIRONMENT Outdoor Outdoor Corrosive Hazardor Temperature Range Hazardor Temperature Range Overloads or Shock Loads? Overloads 1 1 1 1 1 2 1 1 1 3 FREQUENCY OF OPERATION 4 1 1 5 1 1 6 BASE REQUIREMENTS Mounting states 6 BASE REQUIREMENTS Mounting states 6 BASE REQUIREMENTS Mounting states 7 ENVIRONMENT Outdoor 8 1 1 9 1 1 1 1 1 1 1 1 1	ilush Base Wall Base urfaceMarine us Explosive	Center line of mast 10 BASE FINISH (Additional) Red Powder Coat (standard) Galvanized* 304 Stainless SS* 316 Stainless SS* Epoxy* 11 ACCESSORIES Base Covers Wire Rope Keepers Cable Spool Reel Base Installation Hardware Headache Ball Drill Motor Drive Winch Cover Custom Electric Controls Limit Switch Extended 5 Year Warranty
PLEASE PRINT CLEARLY		12 WIRE ROPE SPECS: 13 FAX COMPLETED FORM TO: 507.454.5282 or scan and email to sales@thern.com
Name		QUANTITY NEEDED: DATE NEEDED:
Company		NOTES:
Address		
CityState_	Zip	
PhoneMobile		
FaxEmail		



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Form FCS4-1114

Thern products are not for lifting

THERN, INC. TERMS

All orders are subject to Credit Department approval and are F.O.B., Winona, MN

Freight: To minimize any shipping delays, Thern, Inc. reserves the right to use the carrier of its choice. For separate freight charge invoices, terms are net 15 days. Thern, Inc. reserves the right to apply a shipping and handling fee to all freight charges. We do not supply copies of original freight invoices. Thern, Inc. will attempt to comply with specific routing instructions, designated as the purchaser's responsibility, only when provided on each individual order. Blanket instructions are not acceptable. Shipments are F.O.B. Winona, MN unless otherwise specified.

Small Package Service: Shipments routed via United Parcel Service (UPS) or Federal Express will have a \$5.00 handling charge.

Claims: On all F.O.B. factory shipments, title to the merchandise passes to the purchaser at the time the merchandise leaves Thern, Inc.'s factory dock. When received, the purchaser should inspect the merchandise thoroughly for damage or shortages and should not sign for the merchandise until satisfied that all merchandise has arrived in good condition. Any claim for loss or damage by the purchaser must be settled with the carrier. Thern, Inc. accepts no responsary sibility for losses or delays in transit.

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No returns will be accepted by Thern, Inc. without an RGA#. Approved returned merchandise will have a minimum applied charge of 25% of original cost, subject to condition upon receipt. Thern does not accept collect shipments. Non-standard or modified products are non-returnable.

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Certificates: There is a minimum \$25.00 charge for a Quality Assurance Certification.

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Documents: Thern, Inc. will supply up to two (2) owner's manuals and two (2) assembly drawings at no charge. Additional manuals and drawings are \$5.00 each.

PAYMENT OPTIONS

Best Source: Thern, Inc. sells through a nationwide network of industrial and specialty distributors. For the name of a Thern Distributor near you, call Thern Customer Service at 1-800-843-7648 or visit us online at www.thern.com.

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Thern, Inc. warrants its products against defects in material or workmanship for two years from the date of purchase by the original using buyer, or if this date can not be established, the date the product was sold by Thern, Inc. to the dealer. To make a claim under this warranty, contact the factory for an RGA number. The product must be returned, prepaid, directly to Thern, Inc., 5712 Industrial Park Road, Winona, MN 55987. The following information must accompany the product: the RGA number, the date of purchase, the description of the claimed defect, and a complete explanation of the circumstances involved. If the product is found to be defective, it will be repaired or replaced free of charge, and Thern, Inc. will reimburse the shipping cost within the contiguous USA.

This warranty does not cover any camage due to accident, misue, abuse, or negligence. Any alteration, repair or modification of the product outside the Thern, Inc. factory shall void this warranty. This warranty does not cover any costs for removal of our product, downtime, or any other incidental or consequential costs or damages resulting from the claimed defects. This warranty does not cover brake discs, wire rope or other wear componenets, as their life is subject to use conditions which vary between applications.

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For Warranty Service, please call Thern Customer Service at 1-800-843-7648.





No one has more moving experience than Thern. Up or down. Here to there. Wherever you're going, whatever you're moving our winches and cranes have the muscle to get the job done smoothly and efficiently.

