

IMM / Quality "Beamless" Boatlifts

Standard Features

- All type 6061-T6 aluminum and type 300 stainless steel construction
- Custom aluminum bunks covered in white vinyl. Our bunks are guaranteed not to float and are covered by a 10 year warranty against tearing, fading, mold and corrosion
- option* • Heavy duty, rotomolded cover encloses power heads to extend product life by protecting the mechanical and electrical components from windblown rain and salt spray
- Grooved aluminum cable winders and only Imm Quality uses cable rollers to keep the cable tight on the winder and in the grooves which dramatically increases cable life
- Maintenance free aluminum pulleys with unique self-lubricating bearing
- Maintenance free aluminum bearing blocks with no lube Igus bushings
- Stainless steel aircraft grade cables
- Stainless steel hardware
- Heavy duty reinforced guide post base with PVC covered guide post that are easily adjustable
- Gem 4-motor remote control with handheld transmitter enables in-water operation of your boat lift
- Maintenance-free double worm direct drive

Options

- High speed version is twice as fast
- Walk boards
- Steps
- Stern Platforms
- Tide guides
- Remote upgrades to allow auto stops and lighting control
- Solar power

Specifications

The **Beamless Boat Lifts** are available in six sizes up to 24,000 pounds.

Heavy duty rotomolded covers protect mechanical and electrical components from the elements.

Continuous duty, high service factor electrical motor.

Sealed maintenance free double reduction worm gearbox.

4-1/2" diameter cable friendly grooved winder extends cable life. Grooves ensure proper cable winding. Industry best standard travel of up to twenty feet.

Engineered tribopolymer shaft bearings are lubrication and corrosion free. High load capacity provides industry best durability. These no maintenance bearings reduce service costs.

Roller cable keepers prevent snarl and overlap.

Integral pile mount thru-bolted to the pile.

Custom extruded aluminum bunks with UV resistant non marring pvc caps.

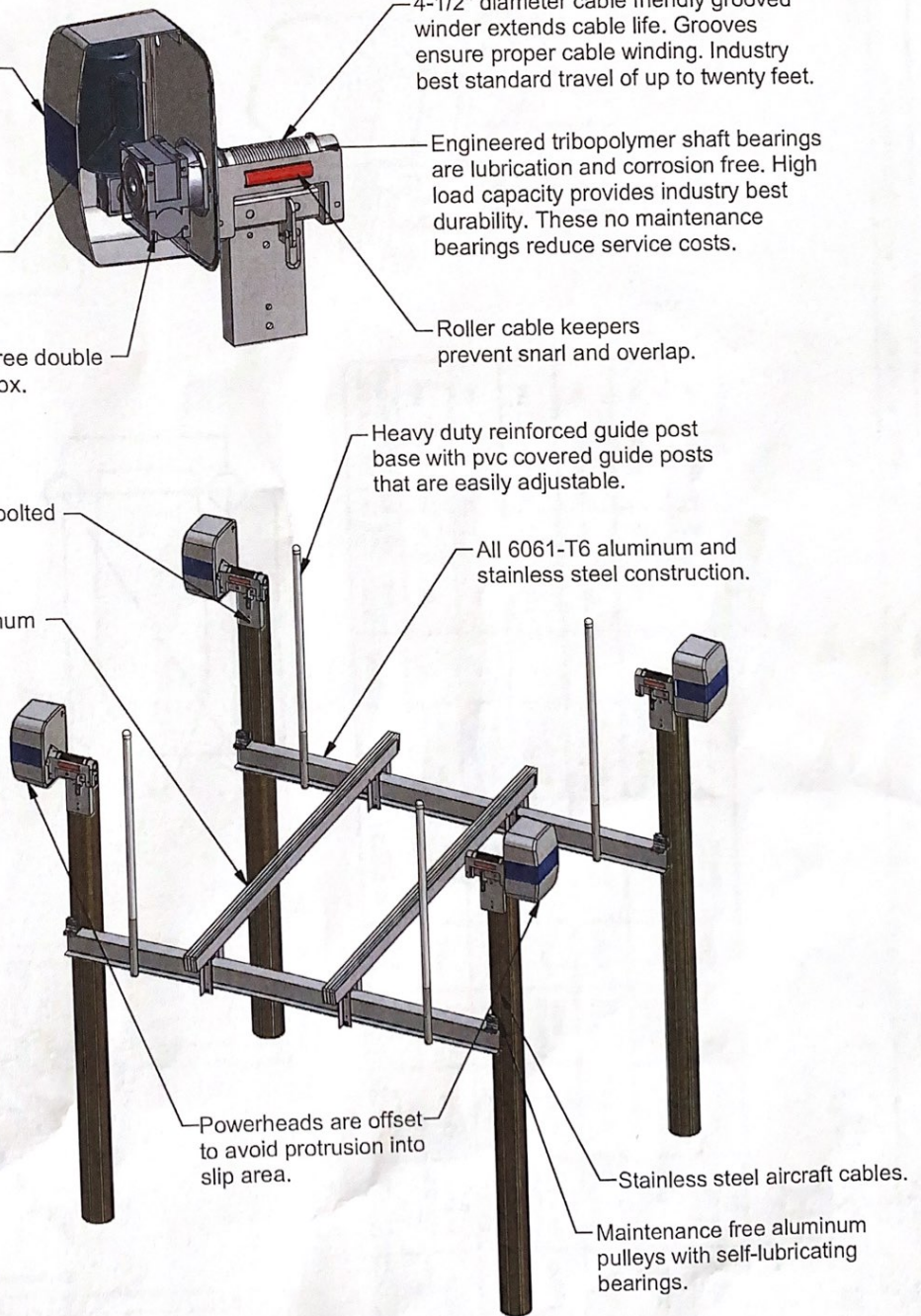
Heavy duty reinforced guide post base with pvc covered guide posts that are easily adjustable.

All 6061-T6 aluminum and stainless steel construction.

Powerheads are offset to avoid protrusion into slip area.

Stainless steel aircraft cables.

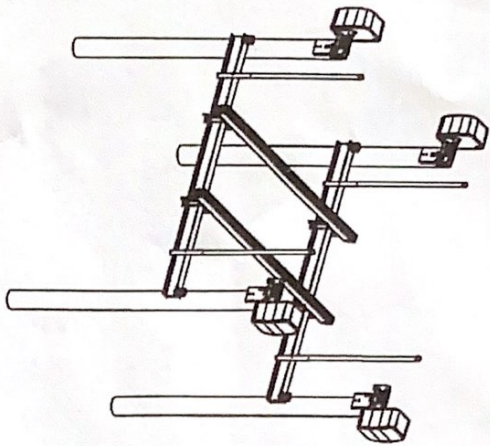
Maintenance free aluminum pulleys with self-lubricating bearings.



IMM Quality Boat Lifts

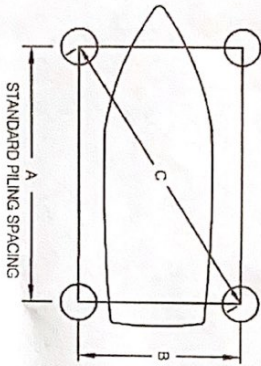
4 POST BOAT LIFTS WITH 2 CRADLE BEAMS AND 4 CABLES

BEAMLESS BOAT LIFT SPECIFICATIONS



ALL SPACING TO CENTER OF PILING

LIFT CAPACITY	A	B	C	RECOMMENDED MIN. PILE SIZE
7,000 LB	120"	144"	188"	10" D/A
10,000 LB	120"	150"	192"	10" D/A
13,000 LB	120"	150"	192"	10" D/A
16,000 LB	120"	168"	206"	10" D/A
20,000 LB	144"	192"	240"	10" D/A
24,000 LB	144"	192"	240"	10" D/A



LIFT CAPACITY lbs.	GRADE SIZE I-BEAM 6061-T6	SCREWED CABLE WINDERS SIZE inches	DRIVE SWIFT SIZE inches	GEAR RATIO	NO. OF MOTORS	COILS	TRAVEL	LIFT SPEED in/min	GUIDE POST HEIGHT	BOAT BILGS WOOD OPTION/ALUM. OPTION	BOAT BILGS
7,000	6x1380H 4x290W 144 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	4194 H.P.-115W/44A 220V/22A	5/16 SSAC 7x19 304, 1P 25	22	66	7	2 x 8 x 144	144
10,000	8x230H 5x350W 150 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	4194 H.P.-115W/44A 220V/22A	5/16 SSAC 7x19 304, 2P 38	11"	33	7	2 x 8 x 144	144
13,000	8x230H 5x350W 150 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	4111HP 220V/22A	5/16 SSAC 7x19 304, 2P 38	11"	33	7	2 x 8 x 144	144
16,000	10x250H 6x410W 168 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	4111HP 220V/22A	5/16 SSAC 7x19 304, 2P 38	11"	33	10	3 x 10 x 188	192
20,000	12x250H 7x470W 182 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	4111HP 220V/22A	5/16 SSAC 7x19 304, 3P 60	10	22	10	3 x 10 x 192	192
24,000	12x250H 7x470W 182 L	4.5" O.D.	2.875" O.D. 8 gauge	375:1	411-1/2HP 230V/22A	5/16 SSAC 7x19 304, 3P 60	10	10	10	3 x 10 x 192	192

STRUCTURAL ENGINEERING REVIEW

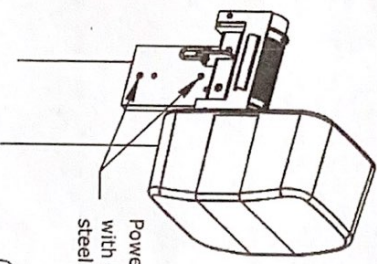
THIS CONSTRUCTION HAS BEEN INSPECTED AS A WIND LOAD FORCE RESISTING SYSTEM, WITH CRADLE BEAM AND WIND LOADS IN CONFORMANCE WITH THE FLORIDA BUILDING CODE 2010, SECTION 1609, AS AMENDED, AND ASCE 7-10. VARIATIONAL DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES TO WHICH THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 150 MPH, CATEGORY "B", ARE APPLICABLE, HAVE BEEN REVIEWED. THESE ENGINEERING DESIGN LOADS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES BASED ON DATA PROVIDED BY THE MANUFACTURER. THIS STRUCTURAL REVIEW IS LIMITED TO THE FRAMEWORK AND CONNECTIONS AND IS NOT INTENDED TO COVER MECHANICAL AND ELECTRICAL CONNECTIONS. THE BOAT LIFT SYSTEMS ARE DESIGNED TO COVER OPERATIONAL AND SERVICE CONDITIONS. THE DESIGNER'S RESPONSIBILITY IS TO VERIFY THE DESIGN REQUIREMENTS AND LIMITATIONS LISTED IN THE STRUCTURAL CALCULATIONS ARE MET.

J. L. Sanders
3-13-15

J. L. SANDERS, P.E.
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SIGNATURE NOT VALID WITHOUT RAISED SEAL

Date:



Powerheads to be thru-bolting with 3/8" minimum stainless steel 316 AISI bolts

IMM BOAT LIFTS, INC. IS NOT RESPONSIBLE FOR THE DOCK STRUCTURE OR ITS ABILITY RESIST THE APPLIED LOADS OF THE BOAT LIFT. THE SITE SHOULD BE VERIFIED BY A LICENSED MARINE CONTRACTOR. APPLIED LOADS WILL BE PROVIDED UPON REQUEST.



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