

Standpipes for larger davits & cranes (with ring-style rotation bearings)—

Standpipe mounting is the most common method of mounting a davit or crane on deck. The standpipe distributes the shear-load between the main deck and the deck below.

Other mounting systems available include cylindrical or pyramid bases that do not penetrate the deck but require a deck structure specifically designed to handle the loads involved.

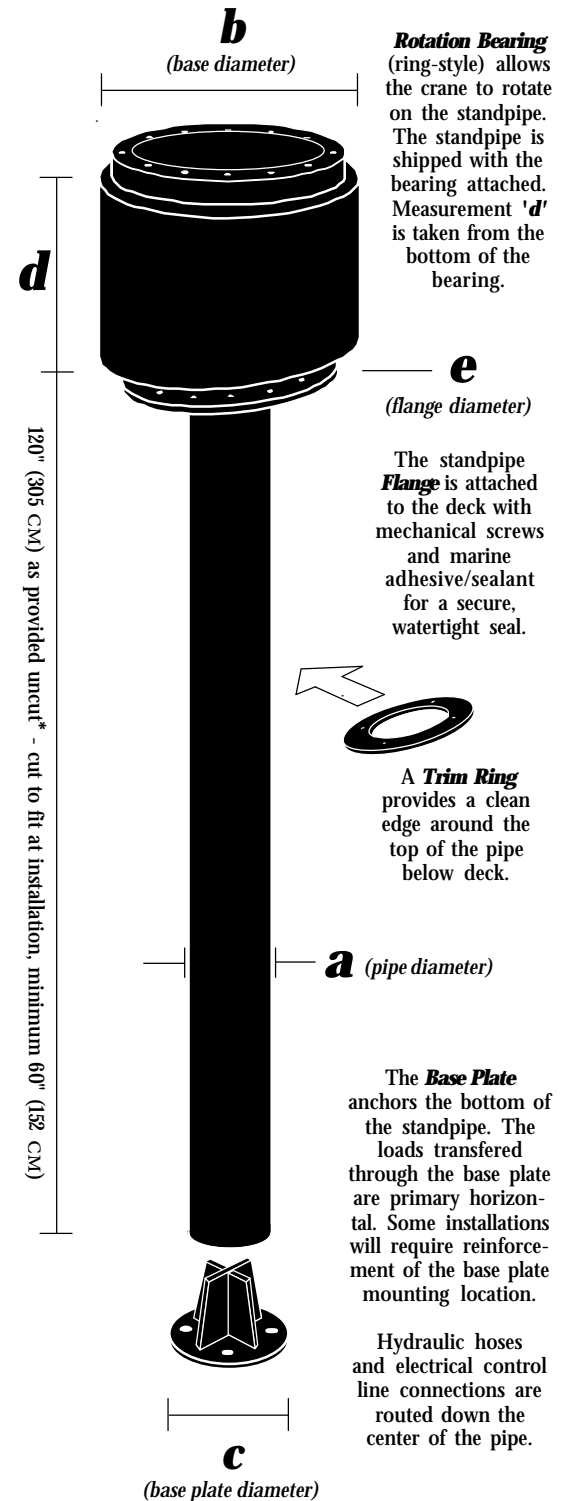
A standpipe must be installed plumb and the deck flange is welded at the angle necessary to match the angle of the deck. The correct angle is indicated by two angle measurements - fore/aft and port/starboard. The standpipe is cut to length upon installation to match the distance between the deck flange and the base plate.

Right: Typical standpipe

Davit model (lifting capacity)	Standpipe Dimensions				
	a	b	c	d*	e
MarQ 8 / MarQ 10 telescopic (800/1000 LBS - 360/450 KG)	6-5/8" (168 MM)	16-3/8" (416 MM)	9" (229 MM)	*see note #2	18" (457 MM)
MarQ 15 telescopic (1500 LBS - 680 KG)	5" (127 MM)	15-5/8" (397 MM)	9" (229 MM)	6-1/2" (165 MM)	18" (457 MM)
Tender-Lift 1,500 telescopic (1500 LBS - 680 KG)	6-5/8" (168 MM)	16-3/8" (416 MM)	9" (229 MM)	18" (457 MM)	18" (457 MM)
MarQ 17 (126' boom) (1700 LBS - 775 KG)	5" (127 MM)	15-5/8" (397 MM)	9" (229 MM)	6-1/2" (165 MM)	18" (457 MM)
MarQ 17 (144' boom) (1700 LBS - 775 KG)	6-5/8" (168 MM)	15-5/8" (397 MM)	9" (229 MM)	6-1/2" (165 MM)	18" (457 MM)
Tender-Lift 2000 (2000 LBS - 900 KG)	6-5/8" (168 MM)	16-3/8" (416 MM)	9" (229 MM)	18" (457 MM)	18" (457 MM)
Tender-Lift 2500 (2500 LBS - 1140 KG)	8-5/8" (209 MM)	23-1/2" (597 MM)	11" (280 MM)	18" (457 MM)	22-1/2" (572 CM)
Tender-Lift 2000/2500 telescopic (2000/2500 LBS - 910/1140 KG)	8-5/8" (209 MM)	23-1/2" (597 MM)	11" (280 MM)	18" (457 MM)	22-1/2" (572 CM)
Tender-Lift 3000-4000 (3000/4000 LBS - 1360/1820 KG)	8-5/8" (209 MM)	28-1/4" (718 MM)	11" (280 MM)	26-1/2" (673 MM)	28-1/4" (718 MM)
Tender-Lift 3000-5000 telescopic (3000/3500 LBS - 1360/1590 KG)	12" (305 MM)	28-1/4" (718 MM)	16" (406 MM)	21-1/4" (540 MM)	28-1/4" (718 MM)

***Note** When the pipe is cut to fit upon installation, the minimum allowable length below the flange without requiring modification to the standpipe or hull structure is 72" (183 CM) for capacities of up to 2500 lbs or 84" (231 CM) for higher capacity cranes. If a shorter pipe is necessary, please contact us so that we can determine the engineering stresses involved and recommend effective reinforcement to handle the increased loads transferred from the standpipe to the deck and hull structure. Accommodating deck slope angles of 10 degrees or greater requires the deck flange to be positioned lower on the pipe to provide sufficient rotational clearance for the davit. In such a case, measurement 'd' will increase and the length of the pipe below the flange will decrease accordingly.

Note #2: Height of the standpipe section above the flange (dimension 'd') for **MarQ 8 and MarQ 10 telescopic** davits is determined by the choice of several hydraulic rotation options. Wider rotation options require longer dimensions to house the increased size of the appropriate rotary actuator. Contact us for dimension details is needed.



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