Guardrail Pipe

Bulkhead Surface

Shelf/Console

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CUSTOMER INFORMATION							
Name		Phone Number _	Email				
Vessel Name		Model		Length & Displace	Length & Displacement		
<i>WH</i> 1. 2. 3. 4. 5. 6.	Image: Spoke Diameter 3/8"       1/2"       3/4"       Other:			Ainimum of 1 ¾" (35mm) or 2 ¾" (60mm) if drive pulley inside wheel radius		P	
	Wood wheel ring inner diameter		BELT SIZES	12 ½″ 318mm	17 1/8″ 454mm	24 1/8″ 632m	
	Wood wheel ring outer diameter		Using the supplied	13″ 330mm 14 ¼″ 362mm	19 ¾″ 492mm 20″ 508mm	25 <sup>3</sup> / <sub>8</sub> " 645m 26 <sup>3</sup> / <sub>8</sub> " 670m	
CLE 7.	EARANCES Distance from bottom of wheel to deck		template, measure the distance between the wheel and drive pulley	15 1/4" 387mm 15 3/4" 400mm	20 508mm 211¼″ 540mm 211%″ 556mm	27 1/2" 699m 29 1/2" 749m	
8.	Distance between spokes and bulkhead surface (5" out from center of wheel)		centers then choose the closest belt size 😰	16 <sup>3</sup> /8″ 416mm 17 <sup>3</sup> /8″ 441mm	23 ¼″ 591mm 23 ½″ 597mm	38″ 965m	
9.	Distance between spokes and nearest obstruction 1 ¾" minimum* (Compass, engine levers, instrument po				ACKET		
10. 11.	Distance from wheel center to edge of surface where p (for bulkhead/pedestal or sidewall mount) Wood wheel measurements: (see wood wheel workshe		MOTOR BOX MOUNTIN L-Bracket to Deck * Vertical can mount on eit	her port or starboard side	A		
	Distance between spoke flat and pedestal		pulley can face FORWARD * Horizontal port side, pull * Horizontal starboard side	ey must face FORWARD			
	Distance between wooden inner ring and pedest	al					
12.	Belt Size (See list at right) Use template to position motor box and measure for be	elt	L-Bracket to Sidewall		HORIZONTAL	VERTICAL	
13.	Preferred motor box mounting option: L-Bracket to Deck L-Bracket to Sidewall NEXT TO WHEEL BE L-Bracket to Pedestal Side, drive pulley <u>outside</u> when NEXT TO WHEEL BE L-Bracket to Pedestal Side, drive pulley <u>inside</u> wheel	el radius ELOW WHEEL	* Vertical on Starboard si * Vertical on Port side, pul * Horizontal on Port side, * Horizontal on Starboard * Indicate whether motor wheel	lley must face AFT pulley must face FORWAR side, pulley must face AF		NEXT TO WHEEL	
Che fiel	Drive Pulley Faces:       □ FORWARD (STANDARD)       □ AFT (REVERSE)         INTROL BOX MOUNTING         eck control box mounting location with a handheld compass for magnetic         Ids. The compass needle should not deflect near mounting location.         Control box mounting method:         □ Guardrail Pipe — Diameter (thickness):         1″         1‰         1‰         1‰         1‰         1‰         1‰         1‰         1‰         1‰         1‰         1‰         1‰         0		L-Bracket to Pedestal Side, drive pulley <u>outside</u> wheel radius * Vertical orientation only * Port side mount, pulley must face FORWARD * Starboard side mount, pulley must face AFT * Indicate whether motor box will be <u>next to</u> or <u>below</u> the wheel * Drive pulley must be at least <sup>3</sup> / <sub>4</sub> " away from wheel rim PULLEY FACES FORWARD PULLEY FACES AFT				
			L-Bracket to Pedestal Side, drive pulley <u>inside</u> wheel radius				
	• Other:		<ul> <li>* Vertical orientation only</li> <li>* Pulley faces AFT</li> <li>* Will mount on either port</li> <li>* Drive pulley must be at le wheel rim</li> <li>* Minimum distance neede because drive pulley is in</li> </ul>	east ¾" from inside of ed is 2 ¾″ (60mm)			

# Mounting Worksheet for wooden wheels or wheels with wooden rim

\_\_\_\_\_

MARCH 29, 2016





Rim Diameter/Thickness:\_\_\_\_\_

Ring Inner Diameter:

Ring Outer Diameter:

Spoke Flat to Pedestal or Bulkhead: \_\_\_\_\_

Ring to Pedestal or Bulkhead: \_



The wheel pulley attaches to the wheel spokes with J-bolts. If the wooden ring of the wheel is large enough, the wheel pulley will fit inside and rest directly on the spokes. Otherwise, the wheel pulley may rest on the ring itself and fasten directly to the ring with screws.

Wheel pulley rests on wooden ring

Wheel pulley fits inside wooden ring and rests on spokes. Spacers are needed to prevent the belt from chafing on the ring.





Wooden wheel





Stainless wheel with wooden rim

Wheel Pulley

### L-Bracket Installation Template #1 Horizontal or Vertical Motor Box MAY 18, 2017

#### DIRECTIONS:

Print out this template life size and place in desired location. Measure the distance between the wheel center and drive pulley center.

#### NOTES:

\* Face this template AFT for forward facing drive pulley (Standard motor rotation).

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• Leave at least 1" (25mm) of space between the motor box and the wheel rim

## \* Face this template FORWARD for aft facing drive pulley (Reverse motor rotation).

• Leave at least 1" (25mm) of space between the <u>drive pulley</u> and the wheel rim

 $^{\ast}$  The mounting bracket for the slides up  $^{3}\!4^{"}$  (19mm) and down  $^{3}\!4^{"}$  to adjust for belt tension.



### L-Bracket Installation Template #2 Vertical Motor Box Only

MAY 18, 2017

#### DIRECTIONS:

Print out this template life size. Place the template in desired location. Measure the distance between the wheel center and drive pulley center.

- \* Face this template AFT for forward facing drive pulley (Standard motor rotation). • Leave at least 1" (25mm) of space between the <u>motor box</u> and the wheel rim
- \* Face this template FORWARD for aft facing drive pulley (Reverse motor rotation). • Leave at least 1" (25mm) of space between the <u>drive pulley</u> and the wheel rim

 $^{*}$  The mounting bracket for the slides up  $^{3}\!4"$  (19mm) and down  $^{3}\!4"$  to adjust for belt tension.



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L-Bracket Installation Template #3 Horizontal or Vertical Motor Box MAY 18, 2017



Mounting Surface