Gear Leg & Motor Bracket Installation

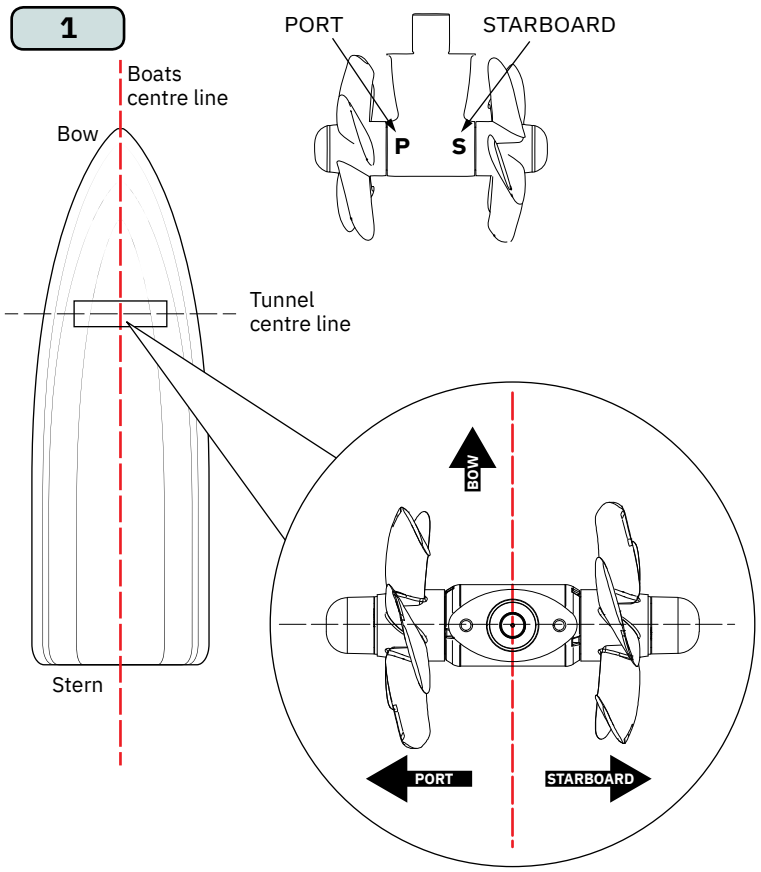
Please refer to the graphic for special considerations relating to your model

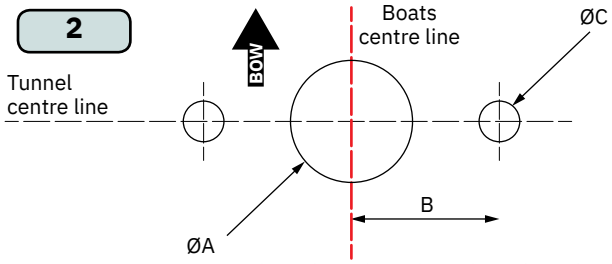
1. Mark the tunnel centreline and the boat's centreline. ***(NB: Install the gear leg and propeller as shown for the thrust direction to correspond with the control panel. Position gear leg with the P-mark facing port and the S-mark facing starboard.)***

2. Use the gasket or template (recommended) to mark the hole centres and double-check the measurements. The centre hole MUST be placed using the boat centreline as shown. ***(NB: All holes must be in-line with the tunnels' centreline for correct installation, clearance between the propeller and the tunnel is minimal.)***

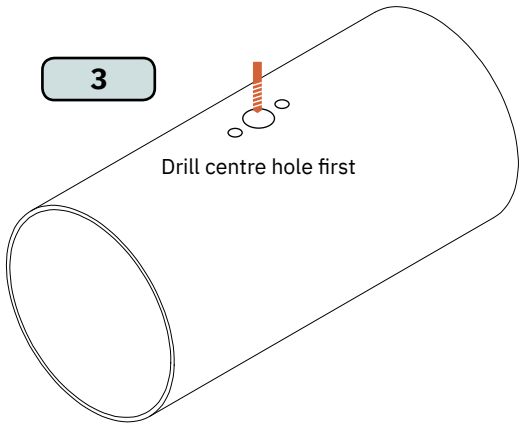
3. Drill the main centre hole followed by the two screw-holes.

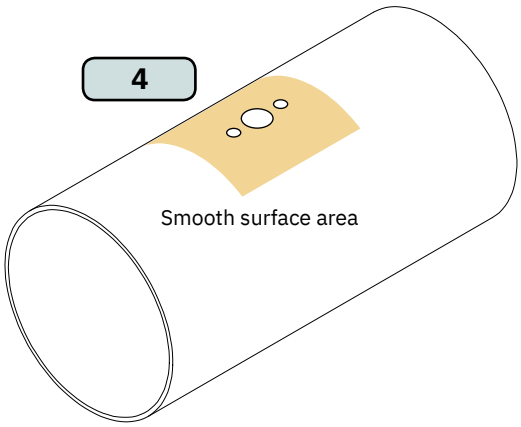
4. Smooth the surface of the tunnel. A rough surface will cause possible failure/movement of the gear leg. The motor bracket must rest steadily on the tunnel.





Models	Measurements ØA mm	ØA inch	B mm	B inch	ØC mm	ØC inch
SE/SEP/SE IP/SEP IP 80/185T SE/SEP/SE IP/SEP IP 100/185T E100/185T SH100/185T	32	1.3	28	1.1	9	0.4
SE/SEP/SE IP/SEP IP 120/215T SE/SEP/SE IP/SEP IP 130/250T SE/SEP/SE IP/SEP IP 170/250TC SE/SEP/SE IP/SEP IP 210/250TC E130/250T E150/215T E170/250TC E210/250TC E240/250TC SH160/215T SH240/250TC SAC 240/250TC	46	1.8	40	1.6	11	0.4
SE/SEP/SE IP/SEP IP 250/300TC SE/SEP/SE IP/SEP IP 300/300TC E250/300TC E300/300TC E340/300 SH300/300TC SH320/300TC SAC320/300TC	51	2	48	1.9	11	0.4
SH360/300TC SH400/300TC SAC360/300TC SAC400/300TC	67	2.6	48	1.9	11	0.4
SH420/386TC SH550/386TC SH360/300TC SH700/412 SAC450/386TC SAC520/386TC SAC700/412	83	3.3	70	2.8	17	0.7





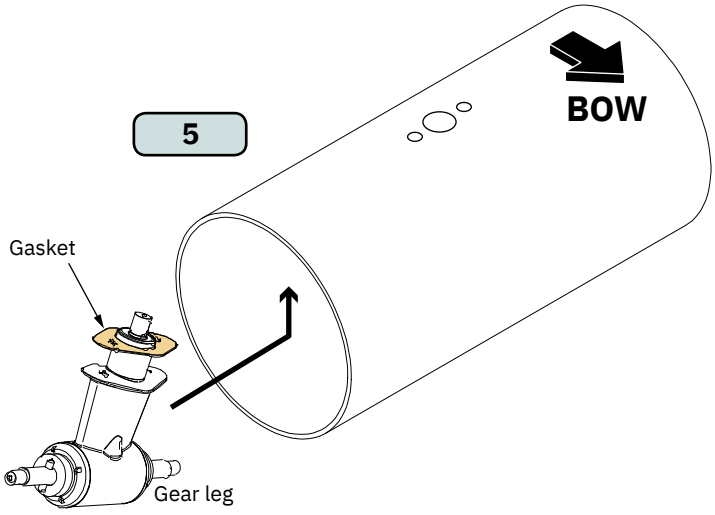
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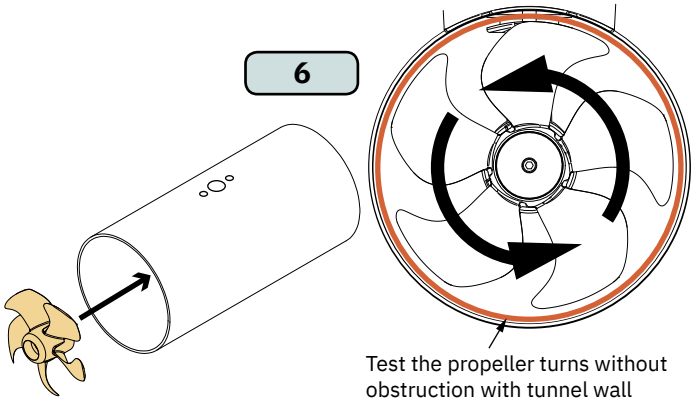
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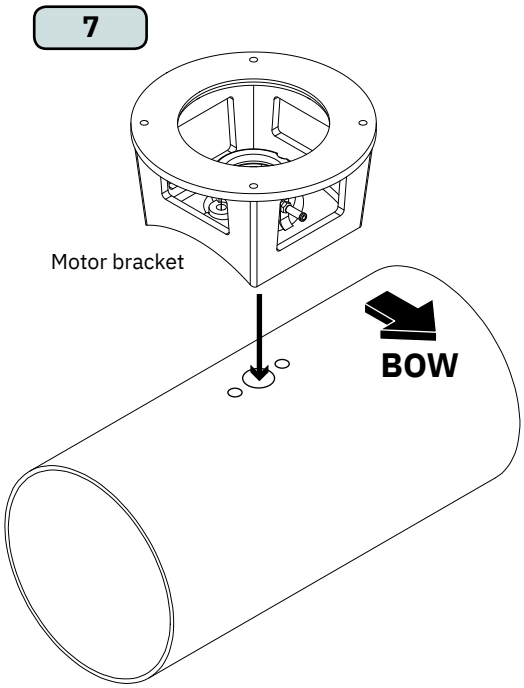
5. Place the gear leg (without the propeller) with the gasket on inside the tunnel.

6. Place the propeller on the gear leg ***(NB: Do not secure the propeller with securing parts)*** to ensure it is centred and rotates freely with the same clearance from each blade to the tunnel wall.

7. Place top motor bracket and bolt plate to measure the drive shaft has come through the motor bracket at the correct height. Remove the gear leg and propeller for final installation.







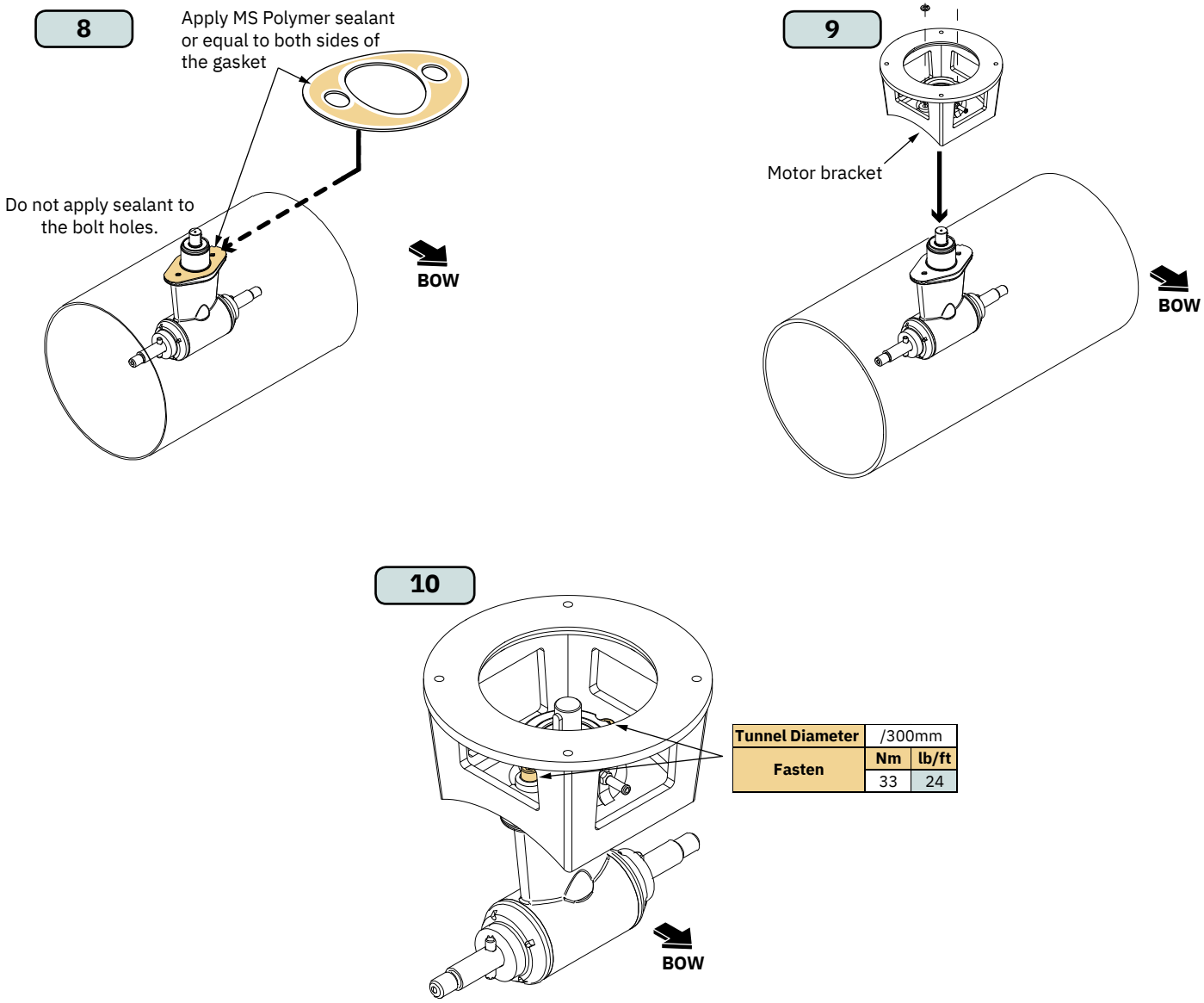
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Please refer to the graphic for special considerations relating to your model

8. Apply appropriate sealant to both sides of the gasket and place on the gear leg. Place the gear leg in the tunnel (without the propeller). Use appropriate sealant to ensure that no leakages occur. ***(NB: See your sealant data sheet for the correct application process.)***

9. Install the top motor bracket and gear leg gently together.

10. Fasten the gear leg and the motor bracket with the bolts provided. Tighten to torque as shown.



Tunnel Diameter	/300mm	
Fasten	Nm	lb/ft
	33	24

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Propeller Installation

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Please refer to the graphic for special considerations relating to your model

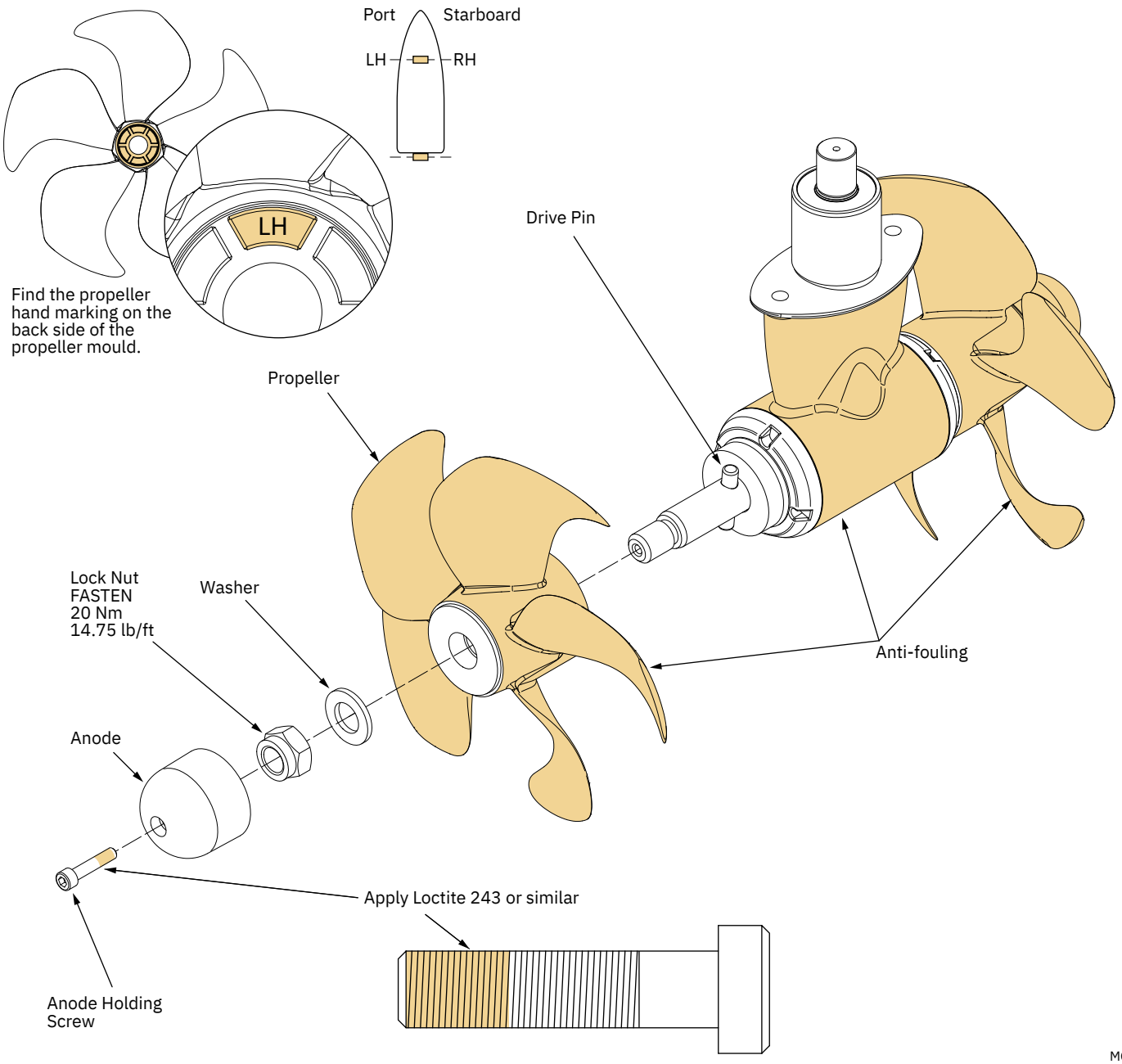
1. Centre the drive pin and insert the propeller onto the shaft spline. Rotate the propeller until the drive pin aligns with the internal slot in the propeller.

(NB: Install propellers with the (LH) left-hand marking on the (P) port side shaft and (RH) right-hand markings on the (S) starboard side shaft for twin counter-rotating gear leg systems.)

2. Insert the washer to the end of the shaft spline. Tighten with the propeller lock-nut.

3. Insert the anode to the end of the propeller and tighten the anode holding screw. Apply a thread glue (Loctite 243 or similar) to ensure that the anode holding screw does not unscrew itself from during the rotation of the propeller.

4. Apply anti-fouling to the gear leg and propeller. Do not apply anti-fouling to any rubber elements of the gear leg or anodes.



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