

	Doc or ECO #:	ECO-70681-001	Date:	10/5/20	Author:	aeg
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	10/05/20	Quality Approval	aeg

P/N #:	70681	Effective Date:	October 5, 2020
Title:	Oculus sonar Increased HF aperture and depth rating		

1.0 Purpose / Summary

The aperture on the high frequency portion of the sonar was increased to 130 deg / 20 deg (vertical)
The depth rating was also increased to 500m

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70681	Oculus sonar	☐	☐	☒	B

3.0 Detail

Mark 2 sonars have a larger aperture on the high frequency side. 130x20 vs 70x12.5.

No topside software modifications are required. Sonar has been validated to work with Greensea software with no modifications.

The depth rating on the housing was also increased to 500m although there were no substantive modifications to the housing. Note that the label on the sonar indicates 500m depth rating.

A zinc anode is also now included in the kit. We will install this as standard on all systems moving forward.



	Doc or ECO #:	ECO-70681-001	Date:	10/5/20	Author:	aeg
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	aeg	Date:	10/05/20	Quality Approval	aeg

4.0 Disposition of Material

Use all existing stock

5.0 Action Items

Action	Department	Acknowledgement Initials
Update revision in epicor	engineering	aeg

6.0 Modified / Referenced Documents:

Document	Current Revision
Click here to enter text.	Click here to enter text.

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change