

DET NORSKE VERITAS

Certificate No OSL-12-4541

PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electronic	s AS		
Manufacturer's order No.:		83624				
Manufacturer's order No : 83624		Raytheo				
Yard:	Raytheon Ser's order No.: Se					
Yard No.:						
Name of vessel:		""				
DNV Id. No.:		P261.1C				
THIS IS TO CERTIFY:						
		Bottom Penetration for Echo Sounder, Sonar or Log				
Intended purpose:		ETNSJE The gate speed lo	SJB/ETNSLB-100mm gate valve may be used in conjunction with installation of ed log or echo sounder			
DNV Rules for Classification:		-		☐ Naval	⊠ Offshore	
		(On: Gate Val	ve		
This field is only to be filled in when the certification is based on a			• •			
been built and tested in accordant stated above and the conditions re Manufacturing Survey Arra	ce with the specification/standa eferred to in angement No: R-1948	ard	Surveyor		o Veritas AS	
For Manufacturer:				1 of Det Norske	, ventus Ao	
Place: Oslo			Place:			
Date: 27.07.2012			Date:			
			Jørn Henrik Pedersen Surveyor			

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Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage te 5 bar. Holding time 5 minutes.	t to
Marking and certificate numbers for the different parts:	
Drawings with dates of approval and/or type approval certificate number: DNV S-6000	

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com Form No.: 20.92a Issue: October 2010 Page 2 of 2