

DET NORSKE VERITAS

Certificate No OSL-11-4631

PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electronic	cs AS			
Manufacturer's order No.: Purchaser: Purchaser's order No.:		79524					
Purchaser:		Raytheo	n				
Purchaser's order No.:	. .						
The product is intended for	facturer's order No.: asser: Raytheon asser's order No.: roduct is intended for (TBD) No.: of vessel: if you will be a seried or will be a						
Yard:		(TBD)					
Yard No.:							
Name of vessel:							
DNV Id. No.:		P261.1C					
THIS IS TO CERTIFY:							
that the product:	<u>.</u>	Bottom Penetration for Echo Sounder, Sonar or Log					
Type designation: Intended purpose: Serial No(s):		ETNSJE The gate speed lo	3/ETNSLB-1 e valve may	B-100mm may be used in conjunction with installation of			
Has been built and tested in ac DNV Rules for Classification:	⊠ Ships	·-		□ Naval	⊠ Offshore		
Remarks (if more than one line	, use page 2):						
The product was marked: NV-O	SL-11331	(On: Gate Va l	lve			
		а		•	hen signed by a DNV		
been built and tested in accordant stated above and the conditions r Manufacturing Survey Arra	ce with the specification/standa eferred to in angement No: R-1948	ard					
For Manufacturer:				For Det Norsk e	e Veritas AS		
Place: Oslo			Place: Høvik				
Date: 17.10.2011			Date: 20)11-12-06			

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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