

## DET NORSKE VERITAS

Certificate No OSL-12-4454

## PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electronic	s AS		
Manufacturer's order No.:	<del></del>	79733				
Purchaser:	••	RAYTHE	ON			
Purchaser's order No.:						
The product is intended for						
Yard:		(TBD)				
Yard No.:						
Name of vessel:						
DNV Id. No.:		P261.1C				
THIS IS TO CERTIFY:						
that the product:		Bottom Penetration for Echo Sounder, Sonar or Log				
Type designation: Intended purpose: Serial No(s):		SB-60-SA, DB-60-SA, SB-100-SBx_, DB-100-SB ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation speed log or echo sounder 12154				
Has been built and tested in accordance with the relevant requi DNV Rules for Classification: ☐ Ships ☐ HS ☐ Other standards:		ant require ⊠ HSL		☐ Naval	⊠ Offshore	
Remarks (if more than one line.  The product was marked: NV-O		(	On: <b>Gate Val</b>	lve		
The product was marked: <b>NV-OSL-12-4454</b> This field is only to be filled in when the certification is based on a			This Certificate is only valid when signed by a DNV			
Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordance stated above and the conditions re Manufacturing Survey Arra Quality System Certificate	eclares that the product/system be with the specification/standa eferred to in angement No: R-1948	ard	surveyor	r.		
For Manufacturer:			For <b>Det Norske Veritas AS</b>			
Place: Oslo			Place:			
Date: <b>03.05.2012</b>			Date:			
	s Karlstad Technician			Jørn Henrik Surve		

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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