

DET NORSKE VERITAS

Certificate No OSL-12-4579

PRODUCT CERTIFICATE

Manufacturer:		SKIPP	ER Electro	nics AS	
Manufacturer's order No.:	•	84131			
Purchaser:	•	RAYTH	IEON		
Purchaser's order No.:	· 				
The product is intended for					
Yard:		(TBD)			
Yard No.:					
Name of vessel:		"	"		
DNV Id. No.:		P261.1	С		
THIS IS TO CERTIFY:					
that the product:		Botto	n Penetra	tion for Echo Sounder,	Sonar or Log
Type designation: Intended purpose: Serial No(s):		ETNSJ The ga	B/ETNSLI te valve m	DB-60-SA, SB-100-S 3-100mm nay be used in conjunct no sounder	
Has been built and tested in ac	cordance with the relev	ant requ	irements o	f:	
DNV Rules for Classification:	☑ Ships☐ Other standards:	⊠ HS	SLC	☐ Naval	○ Offshore
Remarks (if more than one line,					
The product was marked: NV-O	SL-12-4579		On: Gate	Valve	
This field is only to be filled in whe 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	int (MSA). eclares that the product/system be with the specification/stand eferred to in angement No: R-1948	n has ard	This surve	Certificate is only valid w eyor.	hen signed by a DNV
For Manufacturer:				For Det Norske	Veritas AS
Place: Oslo			Place	e:	
Date: 08.11.2012			Date		
Anders Karlstad Product Technician			Håkon Karlsen 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