

DET NORSKE VERITAS

Certificate No OSL-12-4496

PRODUCT CERTIFICATE

Manufacturer:	SKIPPER Electronics AS 83188 Raytheon			
Manufacturer's order No.:				
Purchaser:				
Purchaser's order No.:				
The product is intended for				
Yard:	(TBD)			
Yard No.:				
Name of vessel:	" " P261.1C			
DNV Id. No.:				
THIS IS TO CERTIFY:				
that the product:	Bottom Penetration for Echo Sounder, Sonar or Log			
Type designation:	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 of speed log or echo sounder 12196			
Intended purpose: Serial No(s):				
DNV Rules for Classification: ☐ Ships ☐ Other standards: Remarks (if more than one line, use page 2):	⊠ HSLC	□ Naval	⊠ Offshore	
The product was marked: NV-OSL-12-4496	On: G a	ate Valve		
This field is only to be filled in when the certification is based of Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that the product/syste been built and tested in accordance with the specification/stan stated above and the conditions referred to in Manufacturing Survey Arrangement No: R-1948 Quality System Certificate No: TI 151 ISO 9001:	n has dard	nis Certificate is only valid whurveyor.	nen signed by a DNV	
, ,		For Det Norske	Veritas AS	
For Manufacturer: Place: Oslo	P	ace:		
Date: 09.07.2012	D	ate:		
Anders Karlstad Product Technician		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