

Certificate No OSL-12-4412

PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electror	nics AS		
Manufacturer's order No.:		82274				
Purchaser:		KONGS	BERG			
Purchaser's order No.: The product is intended for						
The product is intended for						
Yard:		(TBD)				
Yard No.:						
Name of vessel:		" "				
DNV Id. No.:		P261.10				
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_X_, DB-60-SA, SB-100-LB, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 12112				
Has been built and tested in accordance with the relevant requi DNV Rules for Classification: ⊠ Ships ⊠ HS ☐ Other standards:		ant requir ⊠ HSI		☐ Naval	⊠ Offshore	
Remarks (if more than one line The product was marked: NV-O			On: Gate V	/alve		
This field is only to be filled in whe		On: Gate Valve on a This Certificate is only valid when signed by a DNV				
Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordant stated above and the conditions of Manufacturing Survey Arra Quality System Certificate	eclares that the product/system ce with the specification/standa eferred to in angement No: R-1948	ard	survey	or.		
For Manufacturer:			For Det Norske Veritas AS			
Place: Oslo			Place:	Høvik		
Date: 10.05.2012			Date:	2012.07.05		
	s Karlstad Technician		Thomas R. Jacobsen Senior 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