

DET NORSKE VERITAS

Certificate No OSL-12-4428

PRODUCT CERTIFICATE

Manufacturer:		SKIPPE	R Electroni	ics AS		
Manufacturer's order No.:	•	82566				
Purchaser:	·	KONGS	BERG			
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 of speed log or echo sounder 12128				
Has been built and tested in ac	cordance with the relev	ant requir	ements of:			
DNV Rules for Classification:	☑ Ships☐ Other standards:	⊠ HSI	_C	☐ Naval	○ Offshore	
Remarks (if more than one line	, use page 2):					
The product was marked: NV-O	SL-12-4428	<u> </u>	On: Gate V a	alve		
This field is only to be filled in who Manufacturing Survey Arrangeme The undersigned manufacturer do been built and tested in accordan stated above and the conditions r	ent (MSA). eclares that the product/systenice with the specification/stand	n has	This Ce surveyo	ertificate is only valid w or.	hen signed by a DNV	
Manufacturing Survey Arra Quality System Certificate	angement No: R-1948	0008				
	140. 11 101 100 900 1.2	.000		For Det Norske	Veritas AS	
For Manufacturer: Place: Oslo			Place: Høvik			
Date: 22.05.2012			Date: 2	2012.07.05		
	s Karlstad			Thomas R. J		
Product Technician				Senior Su	rveyor	

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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