

DET NORSKE VERITAS

Certificate No OSL-12-4330

PRODUCT CERTIFICATE

Manufacturer: Manufacturer's order No.: Purchaser: Purchaser's order No.:		SKIPPER Electronics AS 82058 A.N.D. ELECTRONICS									
						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_X_DB-60-SA, SB-100-SB, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 12030									
Has been built and tested in ac	cordance with the relev	ant req	uirements	of:							
DNV Rules for Classification: ⊠ Ships ⊠ I ☐ Other standards:		⊠⊦	ISLC	☐ Naval							
Remarks (if more than one line											
The product was marked: NV-O	SL-12-4330		On: Gate								
This field is only to be filled in whe Manufacturing Survey Arrangement The undersigned manufacturer debeen built and tested in accordant stated above and the conditions of Manufacturing Survey Arra Quality System Certificate	ent (MSA). eclares that the product/system ce with the specification/standa eferred to in angement No: R-1948	n has ard		s Certificate is only valid wi	nen signed by a DNV						
For Manufacturer:				For Det Norske Veritas AS							
Place: Oslo			Plac	Place: Høvik							
Date: 20.03.2012			Date	Date: 2012-05-02							
Anders Karlstad Product Technician				Thomas R. Jacobsen Senior Surveyor							
Product	rechnician		ı	Semor Su	iveyoi						

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Technical data:
Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to 5 bar. Holding time 5 minutes.
Marking and certificate numbers for the different parts:
Drawings with dates of approval and/or type approval certificate number: DNV S-6000

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