

Certificate No OSL-11-4707

PRODUCT CERTIFICATE

Manufacturer:	SKIPP	SKIPPER Electronics AS			
Manufacturer's order No.:	76588	76588			
Purchaser:	L3-KO	L3-KOREA			
Purchaser's order No.:					
The product is intended for					
Yard:	(TBD)	(TBD)			
Yard No.:					
Name of vessel:		P261.1C			
DNV Id. No.:	P261.1				
THIS IS TO CERTIFY:					
that the product:		Bottom Penetration for Echo Sounder, Sonar or Log			
Type designation:	ETNS	SB-60-SA, DB-60-SA, SB-100-LAX_, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of			
Intended purpose: Serial No(s):	speed 11407	log or echo sou	inder	ion with installation of	
DNV Rules for Classification: Ship	I tested in accordance with the relevant requirements of: ssification: ☐ Ships ☐ HSLC ☐ Naval ☐ Offshore ☐ Other standards:				
Remarks (if more than one line, use pag The product was marked: NV-OSL-11-47		On: Gate Valve	,		
This field is only to be filled in when the certification Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that been built and tested in accordance with the stated above and the conditions referred to in Manufacturing Survey Arrangemen Quality System Certificate No: TI 15	the product/system has specification/standard	This Certifi surveyor.		hen signed by a DNV	
For Manufacturer:		For Det Norske Veritas AS			
Place: Oslo		Place: Høv	rik		
Date: 16.12.2011		Date: 2012	-01-30		
Anders Karlsta Product Technic	· 		Thomas R. J Senior Su		

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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