

DET NORSKE VERITAS

Certificate No OSL-12-4463

PRODUCT CERTIFICATE

Manufacturer:	SKIPPE	ER Electronics AS		
Manufacturer's order No.:	84840			
Purchaser:	L-3			
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	n Penetration for Echo Sounder, Sonar or Log		
Type designation:	ETNSJE	-LA_X_, DB-60-SA, SB-100-SB, DB-100-SB, B/ETNSLB-100mm te valve may be used in conjunction with installation of		
Intended purpose: Serial No(s):		log or echo sounder		
DNV Rules for Classification: ☐ Ships ☐ Other standards: Remarks (if more than one line, use page 2):	⊠ HSI	SLC		
The product was marked: NV-OSL-12-4463	(On: Gate 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:	em has idard	This Certificate is only valid when signed by a DNV surveyor.		
For Manufacturer:		For Det Norske Veritas AS		
Place: Oslo		Place:		
Date: 09.10.2012		Date:		
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