

DET NORSKE VERITAS

PRODUCT CERTIFICATE

Manufacturer:	SKIPPER Electronics AS
Manufacturer's order No.:	82139
Purchaser:	L-3 KOREA
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-LAx_, DB-100-SB, ETNSJB/ETNSLB-100mm The gate valve may be used in conjunction with installation of speed log or echo sounder 11458
Has been built and tested in accordance with the re	levant requirements of:
DNV Rules for Classification: 🛛 Ships	☐ HSLC ☐ Naval ☐ Offshore
DNV Rules for Classification: Ships Other standards Remarks (if more than one line, use page 2):	s:
DNV Rules for Classification: Ships	
DNV Rules for Classification: Ships Other standards Remarks (if more than one line, use page 2):	S: On: Gate Valve
DNV Rules for Classification: Ships □ Other standards □ Remarks (if more than one line, use page 2): The product was marked: NV-OSL-11-4758 This field is only to be filled in when the certification is based Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that the product/syse been built and tested in accordance with the specification/stastated above and the conditions referred to in Manufacturing Survey Arrangement No: R-194 Quality System Certificate No: TI 151 ISO 9007	S: On: Gate Valve d on a This Certificate is only valid when signed by a DNV surveyor. Stem has andard 8
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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: $\ensuremath{\text{DNV}}$ S-6000