

## DET NORSKE VERITAS

## PRODUCT CERTIFICATE

anufacturer:	SKIPPER Electronics AS		
anufacturer's order No.:	77407		
urchaser:	SAM Taihang Electronics Co 511 Weihai RD 200041 Shanghai		
urchaser's order No.:			
ne product is intended for			
	(TBD)		
ard No.:			
ame of vessel:	4 17		
NV Id. No.:	P261.1C		
THIS IS TO CERTIFY:			
hat 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-LBX_, DB-100-SB, ETNSJB/ETNSLB-100mm  The gate valve may be used in conjunction with installation of speed log or echo sounder 11274		
Has been built and tested in accordance with the relev			
DNV Rules for Classification: 🛛 Ships	⊠ HSLC ☐ Naval ☑ Offshore		
Other standards:			
Remarks (if more than one line, use page 2):			
	On: <b>Gate Valve</b>		
	DANY		
The product was marked: NV-OSL-11-4574  This field is only to be filled in when the certification is based or Manufacturing Survey Arrangement (MSA).  The undersigned manufacturer declares that the product/syste been built and tested in accordance with the specification/stand stated above and the conditions referred to in Manufacturing Survey Arrangement No: R-1948 Quality System Certificate No: TI 151 ISO 9001:	This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.  This Certificate is only valid when signed by a DNV surveyor.		
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lemarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to bar. Holding time 5 minutes.		
Marking and certificate numbers for the different parts:		
orawings with dat	tes of approval and/or type approval certificate number:	