

DET NORSKE VERITAS

PRODUCT CERTIFICATE

Manufacturer: Manufacturer's order No.: Purchaser: Purchaser's order No.:		SKIPPER Electronics AS 84130 Raytheon									
						The product is intended for					
						Yard:		(TBD)			
						Yard No.:					
Name of vessel:		"									
DNV Id. No.:		P261.1C	;								
THIS IS TO CERTIFY:											
that the product: Type designation: Intended purpose: Serial No(s):		Bottom	Penetration f	or Echo Soundei	r, Sonar or Log						
		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 11436									
Has been built and tested in ac		•		Nevel							
Has been built and tested in ac DNV Rules for Classification:	Ships	🖂 HSL		☐ Naval	☐ Offshore						
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line	Ships Other standards: , use page 2):	HSL :	_C		☐ Offshore						
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O	Ships Other standards: , use page 2): SL-11-4736		_C On: Gate Valve)							
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line	 ☑ Ships ☑ Other standards: a, use page 2): PSL-11-4736 en the certification is based 		_C On: Gate Valve)	☑ Offshore						
Has been built and tested in ac DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in wh Manufacturing Survey Arrangeme The undersigned manufacturer do been built and tested in accordan stated above and the conditions of Manufacturing Survey Arr Quality System Certificate	Ships Other standards: Other standard	I HSL	_C <u>On: Gate Valve</u> This Certifi)	when signed by a DNV						
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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