



DET NORSKE VERITAS

Certificate No
OSL-11-4332

PRODUCT CERTIFICATE

Manufacturer:	SKIPPER Electronics AS
Manufacturer's order No.:	75433
Purchaser:	Kelvin Hughes Ltd. ESSEX iG6 2UR Ilford U.K.
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:	SB-60-SA____, DB-60-SA____, SB-100-SB__X__, DB-100-SB____, ETNSJB/ETNSLB-100mm____
Intended purpose:	The gate valve may be used in conjunction with installation of speed log or echo sounder
Serial No(s):	11032
Has been built and tested in accordance with the relevant requirements of:	
DNV Rules for Classification:	☒ Ships ☒ HSLC ☐ Naval ☒ Offshore
	☐ Other standards:

Remarks (if more than one line, use page 2):

The product was marked: NV-OSL-11-4332	On: Gate Valve
This field is only to be filled in when the certification is based on a Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that the product/system has been built and tested in accordance with the specification/standard stated above and the conditions referred to in Manufacturing Survey Arrangement No: R-1948 Quality System Certificate No: TI 151 ISO 9001:2008 For Manufacturer: Place: Oslo Date: 25.01.2011 <i>for SKIPPER Electronics A/S</i> <i>Anders Karlstad</i> (name) (title)	This Certificate is only valid when signed by a DNV surveyor. For Det Norske Veritas AS Place: Date: _____ (name) Surveyor

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:
DNV S-6000