



DET NORSKE VERITAS

Certificate No
OSL-11-4513

PRODUCT CERTIFICATE

Manufacturer: **SKIPPER Electronics AS**
Manufacturer's order No.: **77691**
Purchaser: **SAM Electronics Nederland BV 3077 MD Rotterdam Netherlands**
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-LA__X__, DB-60-SA__, SB-100-SB__, 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): **11213**

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-11-4513**

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: **20.06.2011**

Anders Karlstad
Product Technician

This Certificate is only valid when signed by a DNV surveyor.

For Det Norske Veritas AS

Place: **Høvik**

Date: **2011-07-06**

Nils Fredrik Broch
Principal 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