

# APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

**SMT - Shockwave Metalworking Technologies BV**  
**SCHIJF, Netherlands**

is an approved manufacturer of  
**Explosion Bonded Aluminium/Steel Transition Inserts**

in accordance with  
**Det Norske Veritas' Rules for Classification Pt. 2**

and the following particulars:

<b>Steel grade</b>	<b>NV A and NV D36 or equivalent</b>
<b>Aluminium grade</b>	<b>NV 5083</b>
<b>Intermediate layer</b>	<b>Al 99.5 (Alloy 1050A)</b>
<b>Specification</b>	<b>Manufacturer's specifications</b>

Manufacturer approved by this certificate is accepted to deliver according to DNV GL, DNV and GL rules.

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-11-09**

for **DNV GL**

DNV GL local station: **Rotterdam**

Approval Engineer: **Dechun Lou**

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**Hanne Anita Hjerpetjønn**  
**Head of Section**



Job Id: **263.11-003303-4**  
Certificate No: **AMMM000006S**

## **Particulars of the approval**

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