

**TYPE APPROVAL CERTIFICATE****This is to certify:****That the Wire/Gas combination**with trade name  
**HTW-50 / CO2**Manufacturer  
**HIT Welding Industry Co., Ltd.**  
**Changzhou, China**is found to comply with  
**DNV GL rules for classification – Ships**

with this approval

|                          |  |
|--------------------------|--|
| <b>Grade</b>             | <b>III YS</b>  |
| <b>Current</b>           | <b>DC +</b>  |
| <b>Approved diameter</b> | <b>0,8 - 1,6mm</b>                                   |
| <b>Positions</b>         | <b>PA, PB, PC, PF (1G, 1F, 2G, 2F, 3G up, 3F up)</b> |
| <b>Remarks</b>           | <b>---</b>   |

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**This Certificate is valid until **2021-04-17**.Issued at **Hamburg** on **2016-04-18**DNV GL local station: **Nanjing**Approval Engineer: **Hans-Joachim Vogt**for **DNV GL**

---

**Thorsten Lohmann**  
**Head of Section**

---

Any significant change in design or construction may render this Certificate invalid.