



---

# DET NORSKE VERITAS

---

## APPROVAL OF MANUFACTURER

---

### CERTIFICATE

---

CERTIFICATE NO. AMM-6441

*This is to certify that*

**Peiner Träger GmbH**  
Peine, Germany

*is an approved manufacturer of*  
**Steelmaking and Rolled Steel Products**

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

*and the following particulars:*

Product Grades	Sections NV A, NV B, NV D, NV E, NV A32, NV D32, NV E32, NV A36, NV D36, NV E36
Steelmaking	Electric Arc Furnace, Continuous Casting
Deoxidation	Killed
Fine grain elements	See page 2
Delivery conditions	See page 2
Max. thickness	See page 2

*Place and date*  
Høvik, 2013-10-18  
for DET NORSKE VERITAS AS

✠ Hanne Anita Hjerpetjønn  
Head of Section



*Local Office*  
DNV Hamburg

*This Certificate is valid until*  
2017-06-30

Gorka Lozano  
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



**Particulars of the approval:**

**Steel Sections:**

<i>Normal Strength Steels:</i>					
Grade or type:	Steelmaking <sup>1)</sup> :	Fine grain treatment:	Delivery condition <sup>2)</sup> :	Max. Thickness (mm):	Z-quality:
NV A, NV B, NV D	EAF, CC	Al+V	AR	12.5	-
			N	50	-
		Al+Nb+V	NR	36	-
			TM	23	-
NV E	EAF, CC	Al+V	N	50	-
			Al+Nb+V	NR	36
		TM		23	-
		<i>High Strength Steels:</i>			
Grade or type:	Steelmaking <sup>1)</sup> :	Fine grain treatment:	Delivery condition <sup>2)</sup> :	Max. Thickness (mm):	Z-quality:
NV A32, NV D32, NV A36, NV D36	EAF, CC	Al+V	AR	12.5	-
			N	50	-
		Al+Nb+V	NR	36	-
			TM	23	-
NV E32, NV E36	EAF, CC	Al+V	N	50	-
			Al+Nb+V	NR	36
		TM		23	-

Remarks:

<sup>1)</sup> EAF: Electric Arc Furnace; CC: Continuous Casting.

<sup>2)</sup> AR: As Rolled; NR: Normalising Rolling; N: Normalised, TM: Thermo-Mechanical rolling.