



DET NORSKE VERITAS TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. W-21100

This Certificate consists of 2 pages

This is to certify that the

Electrode

with trade name

Phoenix Rot BR 160

Manufactured by

Böhler Schweistechnik Deutschland GmbH

HAMM, Germany

is found to comply with

Det Norske Veritas' Rules for Classification PT.2

with this approval

Grade	3
Current	AC/DC(±)
Positions	Flat and horizontal
Remarks	For fillet welding of grades up to and incl. NV E36. Ceq≤0.42 and C max 0.17%

Place and date
HØvik, 2008-06-29
for Det Norske Veritas AS

This Certificate is valid until
2012-06-30

Hanne Anita HjerpetjØnn
Head of Section

Local Office
DNV Essen

Geir NÆss
Surveyor

Certificate No. [W-21100](#)

Certificate Retention Survey

Surveys for retention of the certificate are to be carried out annually to
verify compliance with rule requirements and that the conditions for
Type Approval are not altered during the validity period of the certificate.

Annual inspection and testing carried out:

Date	DNV surveyor's sign.

END OF CERTIFICATE

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

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.
