

**KAWASAKI STEEL TECHNICAL REPORT**

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*Steel Pipe*

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**Newly Developed Electrode KS-1000 for Repair Welding under Varying Stress**

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**Synopsis :**

New covered electrodes KS-1000 suited to repair welding of such structures as bridges and highways etc. under pulsating stress (varying stress) in service conditions have been developed by examining the effect of chemical compositions on hot crack sensitivity of the metal welded under pulsating stress. KS-1000 electrodes have excellent anti-cracking characteristics, and the critic

## Newly Developed Electrode KS-1000 for Repair Welding under Varying Stress\*

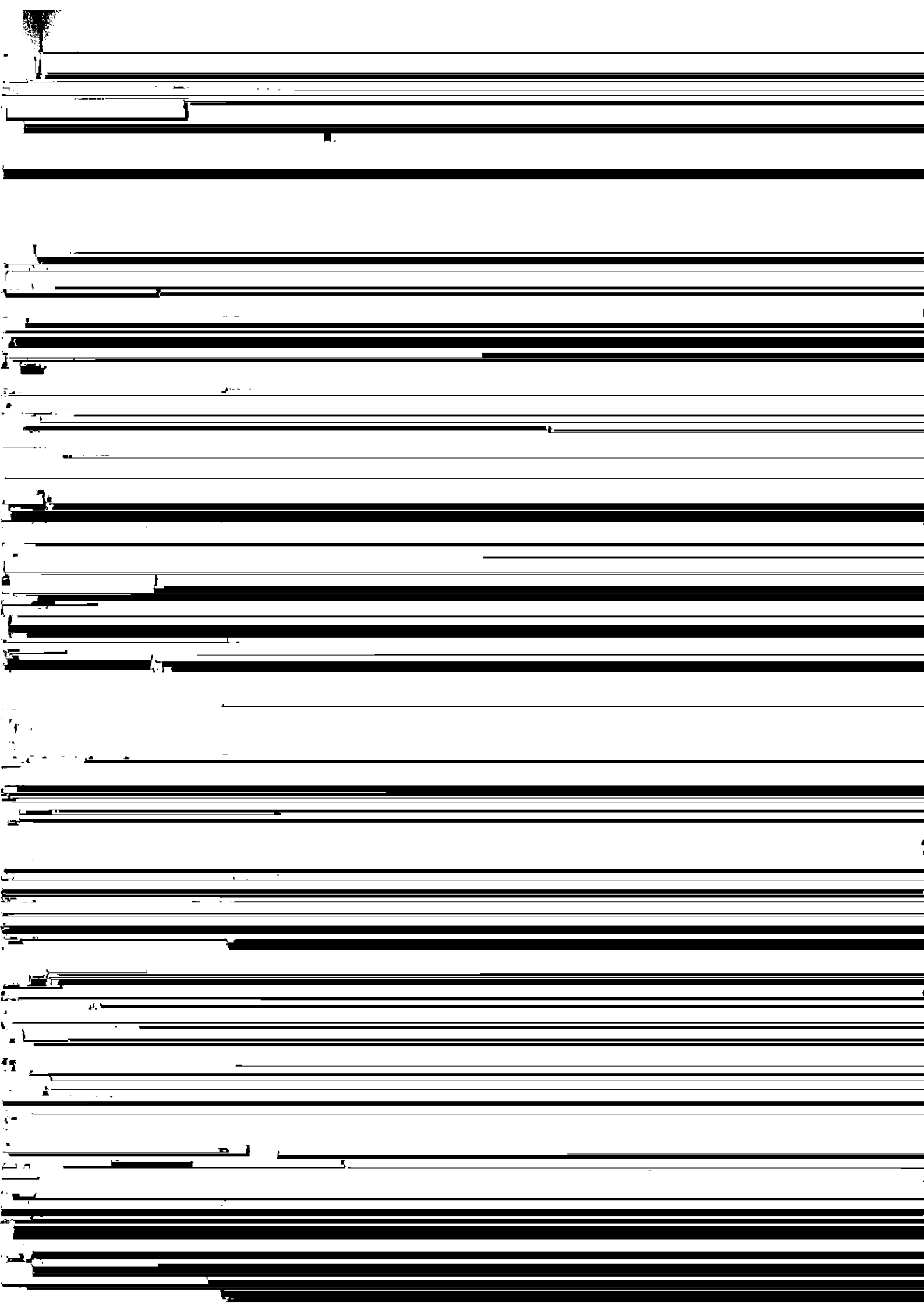


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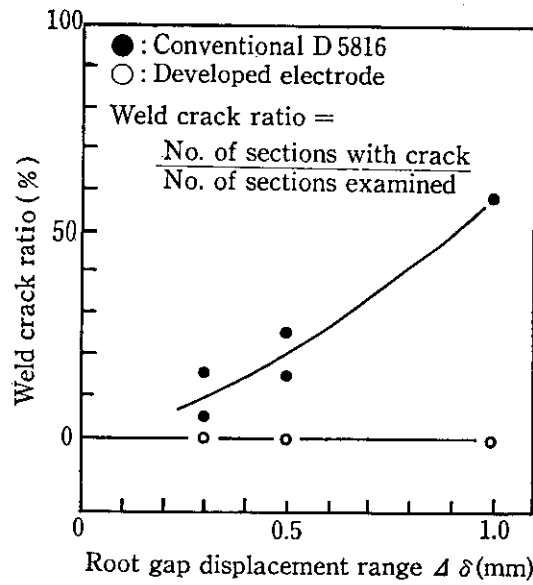


Fig. 7 Results of weld cracking tests under pulsating stress (Prerestrain free type specimen)

ing passes except when a through crack is formed in the side of weldin