

**KAWASAKI STEEL TECHNICAL REPORT**

No.41 ( October 1999 )

*Advances in Iron and Steel Technologies,  
Commemorating the 30th Anniversary of  
Technical Research Laboratories*

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## Recent Activities in Research of Casting

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### Synopsis :

This paper describes recent development of high speed tool steel type rolls (HSS rolls) as new work rolls for hot rolling as the primary subject together with the concept of developing the following processes and rolls: (1) Centrifugal casting production process for HSS rolls having superior uniformity and economy achieved by adding Nb and V together, (2) Former stand HSS rolls with the increased rolling load being suppressed by increasing the amount of eutectic carbide and (3) New high performance HSS rolls having remarkably improved surface deterioration resistance through strengthening of the carbide itself by remarkably increasing the Cr and Mo contents.

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**The body can be viewed from the next page.**

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*Synopsis:*

*This paper describes recent developments of 1971*

Pro-eutectic VC ← Centrifugal force



