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of HCP Alloys - An Internal Variable Approach Professor Young Won Chang Center for Advanced Aerospace Materials Department of Materials Science and Engineering Pohang University of Science and Technology May 31, 2006 Abstract The high temperature deformation behavior of HCP alloys has been investigated within the framework of a n internal variable theory.

High Temperature Deformation Behavior of HCP Alloys

and conical reamers which is extremely difficult in conventional alloys due to long chip formation. These problems are overcome by free-machining titanium alloys. At room temperature, the tensile strength of the lanthanum containing Ti 6Al 4 0.9La alloy was about 8% higher than the standard alloy, whereas the ductility was diminished by about 30%.

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Publications Articles In Journals ... S. Alkan, H. Sehitoglu, Plastic Flow Resistance of NiTiCu Shape Memory Alloy-Theory and Experiments, Acta Materialia, 163 ... Slip Resistance of Ti Based High Temperature Shape Memory Alloys, Shape Memory and Superelasticity, 1,5, 2016 (225) P. Chowdhury, G. Ren, H. Sehitoglu, Bridging the Gap in Modeling ...

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