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Vortragstitel	Influence of Design and Loading on the Mechanical Behaviour of Thick Composite Lugs
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Abstract	This paper focuses on the investigation of the mechanical behaviour of single pin loaded, thick composite laminates. These so called thick composite lugs play an important role for load introduction structures in today's aircraft design. In order to obtain general information about the failure behaviour of composite lugs a static test program using generic specimens is presented. Different laminate layups are investigated as well as different lug geometries. Especially the failure mode and the failure loads for first ply failure and last ply failure of the different lug configurations are used for the derivation of general design guidelines.