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## Shear and Bending Strength of some End to End Grained Joints Prepared from Scotch Pine

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**Abstract:** This study was carried out to determine the shear and bending strength of different end-to-end grain joints, which were glued with PVAc (polyvinyl acetate). For this reason, specimens, prepared from scotch pine (Pinus sylvestris l), were made with three types of end to end grain joints namely: half-lap, mortise and tenon and double mortise-and-tenon. End-to-end grain of half-lap joints gave the highest strength in shear (2.385 N/mm 2 ) and bending (0.540 N/mm 2 ) experiments.

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