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Stručni rad

### Hollow wooden post and its interaction with metal structural members

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#### Sažetak

Wood is a competitive material to metal and concrete in the production of bearing members. These wooden bearing members are increasingly applied in building constructions. By reason of its natural character and properties, this material improves the architectural look of the structure, and hence it is suitable for use in different constructions. Design feature – hollow wooden post is produced by gluing 12 lamellas with trapezoidal cross-section, furnished with slip feather and groove. Each lamella side is cut at an angle of 15° in order to achieve a closed circle in its cross-section. Hollow wooden post is especially made of spruce timber. Wood–steel structural joints between individual structural members have a very important role in wooden structural constructions.

#### Ključne riječi

wooden post; bearing members; structural members; spruce timber

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