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Methodology for experimental verification of steel armour impact modelling

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**Highlights**

- Novel procedure to verify modelling in terminal ballistics of steel armours
- Sufficient ballistic data with several bullet/plate interaction conditions
- Calibration of constitutive and failure models using optical methods
- 3D modelling of bullet/target interaction using Solid and Solid/SPH conversion algorithm
- The methodology satisfactorily verified and evaluated the models and FE methods

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