



TECHNOLOGY DESCRIPTION

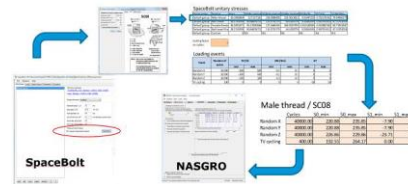
SpaceBolt is the only commercially available software for the bolt verification according to ECSS-E-HB-32-23A. It allows significant reduction of the verification cycle duration while increasing the robustness of the process and improving the documentation of the results.

This tool is useful for a wide range of applications: from the MGSE (mechanical ground support equipment) verification up to satellite and launcher structures verification. Features such as torque-free tightening and fracture control outputs are especially useful for the optical instrument developers.



INNOVATIVE ASPECTS

- Simple handling of large datasets
- Direct input of FEA results
- Database functionality: for bolts, nuts, inserts, material and friction coefficients
- Output for fracture analysis (NASGRO)



TECHNOLOGY READINESS (in space application)

TRL 9 (2024)

COUNTRY OF ORIGIN

Germany

LATEST UPDATE

06/2024

TAGS #bolts #verification #software #documentation #nuts #fracture control

APPLICATION AREAS

Aviation	Energy	Construction & Civil Engineering	Infrastructure & Smart Cities	Mechanical Engineering	Space technologies	Transport & Logistics
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SPACE FOR BUSINESS BUSINESS FOR SPACE

TECH CARD

