

# NATURAL MACHINE MOTION INITIATIVE

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## Resilience Benchmark

The aim of this benchmark is to characterize the behavior of robotic hands under impulsive loads conditions.

Resilience benchmark is composed of two tests to evaluate both physical robotic hands robustness (Hand Resilience) and how an impact affects their grasp (Grasp Resilience).



### Downloads

#### Documents

*Grasp Resilience Benchmark description (RAL-SI-2020-B-19-0822-2-V1.0)*  
*Grasp Resilience Protocol (RAL-SI-2020-P-19-0822-2-V1.0)*  
*Hand Resilience Benchmark description (RAL-SI-2020-B-19-0822-1-V1.0)*  
*Hand Resilience Protocol (RAL-SI-2020-P-19-0822-1-V1.0)*  
*Grasp and Hand Resilience Editable Template*  
*Published Papers*

#### Test-bench CAD Model

*Mechanical Drawings*

#### Electronics

*Schematics and PCB*

#### Software

*Data Acquisition Program*

#### Technical Documentation

*List of Components*  
*Mechanical and Electrical layout*

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