

New Stent Crush Fatigue Testing White Paper

Crush resistance testing in parallel plates is often performed on cardiovascular medical devices such as stents and vena cava filters per ISO 25539-2.

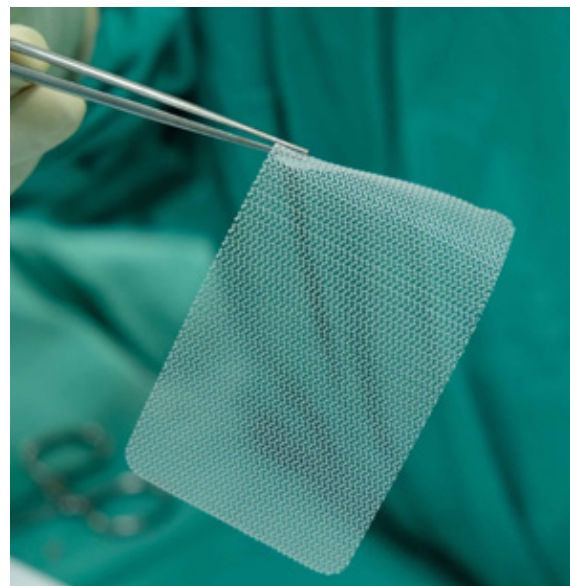
Stent crush fatigue testing is also performed using custom waveforms that simulate worst-case device loading conditions. Devices are placed inside mock vessels and are periodically inspected to detect device defects and fractures.

Both characterization and fatigue tests are described in our new [white paper](#) that also highlights example data and several multi-sample fixture designs for crush fatigue testing.

New Hernia Mesh Testing White Paper

Our new [white paper](#) outlines quasi-static characterization and dynamic fatigue tests performed on surgical meshes, and hernia repair meshes in particular.

Bending fatigue testing setup, test protocol and example data are shown, as well as relevant standards and FDA guidance documents for characterization testing.





Mechanical Properties of Surgical Mesh Materials

An open access [journal paper](#) is available for further reading on the mechanical properties of mesh materials used for hernia repair and soft tissue augmentation (PLoS One 2012, 7(10):e46978).

Six commercial meshes were tested per DIN and ISO standards in the longitudinal and transverse directions, and their mechanical properties varied greatly.



We'd love to hear from you!

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