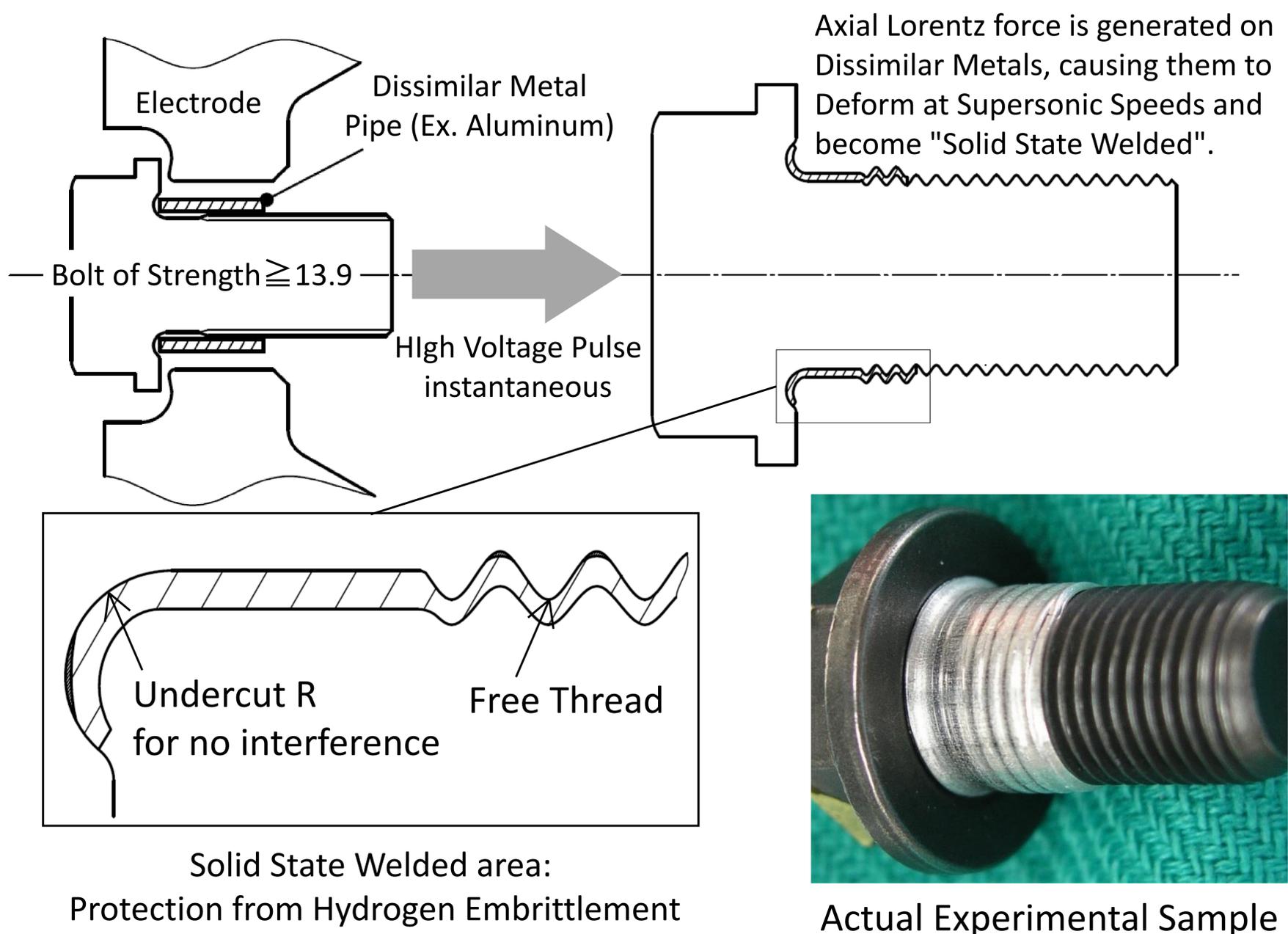


High Strength Bolt with Resistance to Hydrogen Embrittlement - Electromagnetic Pulse Welding method -



Mitsuchi developed **"High Strength Bolt with Resistance to Hydrogen Embrittlement"** using **Electromagnetic Pulse Welding** method.

There is no need to change the dimensions or layout of the fastening structure, and no need to change the base metal or strength. The Torque Coefficient is never changed.

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[Detail]

Hydrogen Embrittlement occurs at the area of either "Under Head corner R" or "Thread Root" free from engagement.

Developed product coats such Hazard Area with Dissimilar Metal of Superior to Ionize than the bolt material. The Anodic Reaction occurs on the surface of this coating, which Disperses Hydrogen Penetration Away from Hazard Area. (Patent No. 7064529)