



Hydraulic Line Clamp for the F-16

The U.S. Air Force increasingly faces challenges with providing components for aging vehicles. The Origin One and LOCTITE® 3955 were used to create a replacement clamp for the F-16 aircraft that could withstand the vibrations, high heat, and chemical exposure required to be flight safe and pass UL 94 V-0 testing. The two halves, which were made with 3955, were then tethered with a flexible band printed with LOCTITE® IND402 to increase efficiency of installation. The final, optimized clamp design employed on F-16 aircraft doubled the strength of the original part while weighing less.

System	Stratasys Origin® One P3™ DLP
Material	LOCTITE® 3955 FST and LOCTITE® IND402