



# Large Machining Fixture

This large machining fixture for recreational vehicle door hinges was 3D printed using FDM® Nylon-CF10 composite material. FDM Nylon-CF10 combines a nylon blend with chopped carbon fiber, resulting in a very strong and rigid material capable of withstanding machining loads. 3D printing the fixture instead of machining it avoids the opportunity cost of using tooling and skilled labor resources that could otherwise focus on value-added production. FDM Nylon-CF10 is available on the F190™CR and F370®CR composite printers.

<b>System</b>	F370CR
<b>Material</b>	FDM Nylon-CF10
<b>Slice Thickness</b>	0.254 mm (0.010 in.)
<b>Build Time</b>	49.7h
<b>Model Material Used</b>	2,003.12 cm <sup>3</sup> (122.24 in <sup>3</sup> )
<b>Support Material Used</b>	76.64 cm <sup>3</sup> (4.68 in <sup>3</sup> )

ISO 9001:2015 Certified

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