



Press Brake Tool

This press brake forming tool was 3D printed using FDM® Nylon-CF10, a nylon material filled with 10% chopped carbon fibers. The result is a much stiffer and stronger composite material, capable of metal forming operations. 3D printed forming tools offer an advantage over metal tools because they can usually be fabricated and deployed faster, regardless of design complexity. They also offer a lower-cost alternative for short-run production or as a bridge to full production. FDM Nylon-CF10 is available on the F190™CR and F370®CR composite printers.

System	F370®CR
Material	FDM® Nylon-CF10
Build Time	4.17 hrs (1 set, 2 pieces)
Material Used	13.23 in ³ (216.81 cm ³)
Support Material Used	0.44 in ³ (7.21 cm ³)