



HVAC Nozzle Clamp

This large part is a clamp used to test HVAC equipment. It was printed on a large-format F770™ printer using ASA thermoplastic. The manufacturer, Daikin Applied, had conceived a similar design using metal. However it was never produced because the machining cost could not be justified. Taking advantage of the F770's large 372 liter (13 cubic feet) build area, Daikin engineers 3D printed the clamp, saving 93% in manufacturing cost compared with traditional machining.

System	F770
Material	ASA (acrylonitrile styrene acrylate)
Build Time	33.3h (0.010 in. slice height)
Model Material Used	1415 cm ³ (86.3 in ³)
Support Material Used	72 cm ³ (4.4 in ³)
Size	25.4 x 33.8 x 14.2 cm (10 x 13.3 x 5.6 in.)

ISO 9001:2015 Certified

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