



IndyCar Racing Halo

IndyCar racing introduced a titanium halo structure to protect drivers. The Arrow McLaren SP IndyCar team needed to retrofit their training vehicle with a surrogate part before the final part could be produced. Using an F900® printer with a T40C tip, the part was printed with FDM® Nylon 12CF in under 72 hours, approximately 1.4X faster than printing with a T20C tip. The T40C tip prints with a 0.020 in. layer thickness (20 slice height) vs. the T20C tip which prints with a 0.010 in. layer thickness, resulting in shorter print times. This quick turnaround allowed the Arrow McLaren SP team to employ the temporary halo device on its training car that exactly matched the final part used on race day.

System	F900
Material	FDM Nylon 12CF
Build Time	71.7h
Model Material Used	6472 cm ³ (395 in ³)
Support Material Used	373 cm ³ (23 in ³)

ISO 9001:2015 Certified

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