

S-IC Engine Fairing Stringer Layout Details

Fairing stringers are evenly spaced across 21 segments of the fairing. The center segment, over which the fin is aligned, does not have stringers on the centerlines defined by the segments (dotted red line). A stringer centered between these centerlines extends from the fore end of the fairing to the leading edge of the fin. Two small stringers at the trailing edge of the fin also do not align with the centerlines but follow the side lines of the fin root.

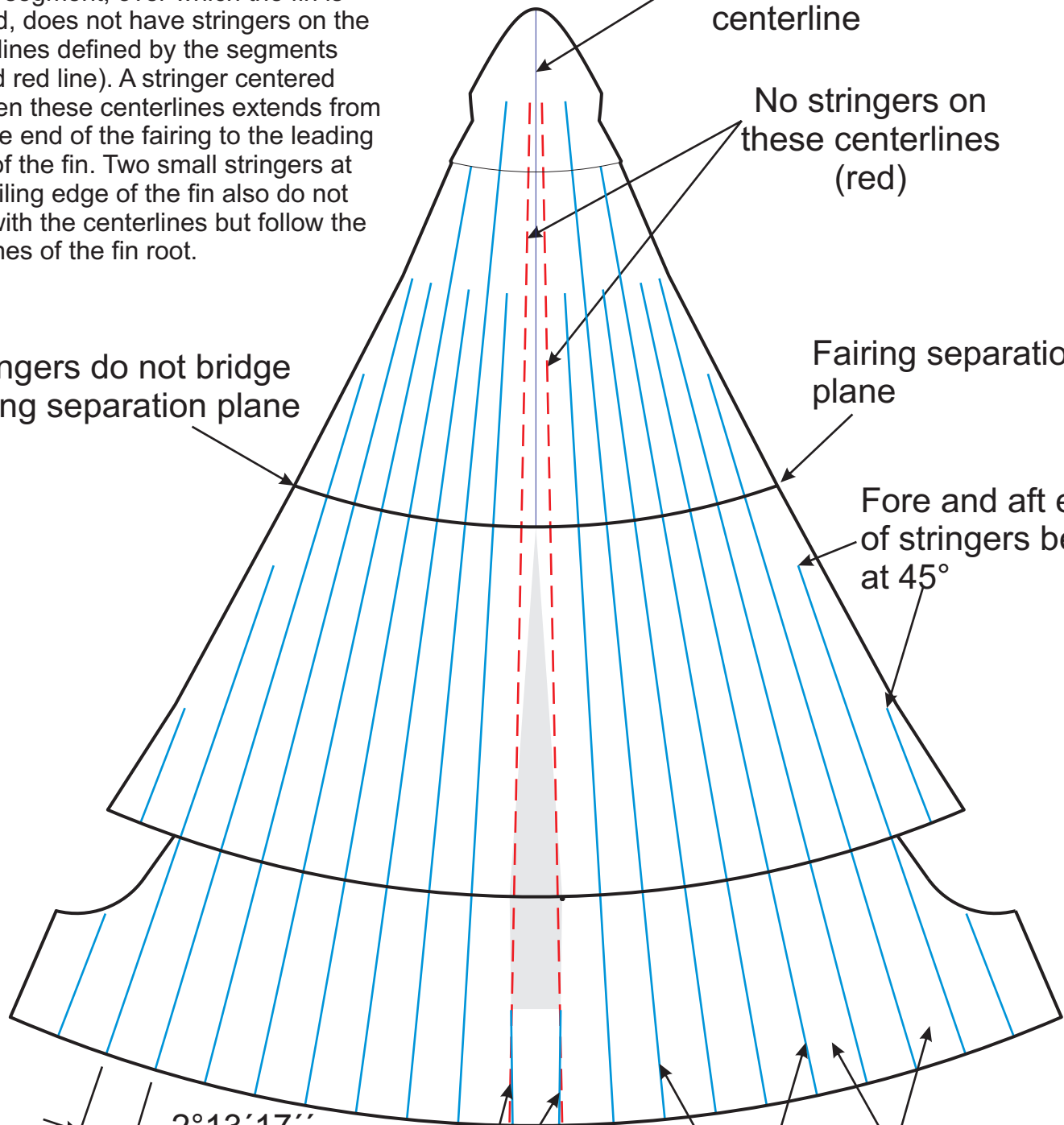
Center stringer on fore fairing aligns with fin centerline

No stringers on these centerlines (red)

Stringers do not bridge fairing separation plane

Fairing separation plane

Fore and aft ends of stringers beveled at 45°



$2^{\circ}13'17''$
calculated typ.
(approx 2.2°)

21 equivalent sections

Short stringers only
from fin trailing edge
align with sides of fin.

Stringer centerlines
align on section edges
(blue)