

VAN'S AIRCRAFT

TOTAL PERFORMANCE

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RV-14 / 14A Control Deflection Limits

The following is a list of control deflection limits for the RV-14. Unlike previous RV's the RV-14 aileron and elevator control system has limits at both the control stick and the control surface. The stop at the control surface limits the deflection of the control surface while the stop at the control stick limits the possibility of excessive load being placed on the control system between the control stick and the control surface.

Adjust the stop at the control surface to achieve a control surface deflection within the limits given in the table below. After adjusting the stop at the control surface there may be a gap between the control stick and the stop at the control stick. This is ok. If the stop at the control stick is limiting travel adjust the control stick stop so that the control stop at the control surface limits the travel of the control surface. It is permissible for the stop at the control stick and the stop at the control surface to make contact at the same time.

If you are reading this congratulations you are near the end of construction! All the best finishing your aircraft. Fly Safe. - The Van's Crew

Design Travel in Degrees	Maximum Up/Down	Minimum Up/Down
Elevator	30/25	25/20
Aileron	32/17	25/15
Rudder	35 Left / 35 Right	30 Left / 30 Right
Flaps	33	30
Trim Tab	13/35	11/32