

Control Surface Travel Tolerances

SURFACE	MOVEMENT		Reference	TOLERANCE	
	Degrees	Inches		Degrees	Inches
Ailerons	18° Up	3-1/2	Travel relative to trailing edge of wing.	±2°	±3/8
	18° Down	3-1/2		±2°	±3/8
Stabilizers	2-1/2° Up	1-1/16	Travel relative to horizontal reference line	±1/2 °	±1/2
	4° Down	2		±1/2 °	±1/2

Normal setting – 2-1/2° relative to longitudinal axis

Elevators	25° Up	8-7/16	Travel relative to horizontal reference line	±2°	±3/4
	15° Down	5		±2°	±3/4
Fin	0° Right				
	0° Left				

Normal Setting 0 Degrees

Rudder	20° Right	7-1/4	Travel relative to centerline of airplane	±2"	±5/8
	20° Left	7-1/4		±2"	±5/8