

BALANCE LIMITS - CONTROL SURFACES - SCHWEIZER SAILPLANES

For information and guidance of mechanics and repairmen for maintenance of Schweizer Sailplanes, balance limits, after covering and finishing, for the various control surface assemblies for Schweizer Sailplanes. Symbol "NH" and "TH" mean nose-heavy and tail-heavy, respectively.

<u>MODEL</u>	<u>AILERON</u>	<u>ELEVATOR</u>	<u>RUDDER</u>
SGS 2-22, thru E	N/A	19G800-9 Lead Weight on ϕ @ Elev. TE - Limits, N/A	N/A
SGS 1-23 D, F	0-3 in./lb. NH	N/A	N/A
SGS 1-23 G, H (#37 & up)	3-7 in./lb. NH	N/A	N/A
SGS 1-26 thru "E"	N/A	N/A	N/A
SGS 2-32	0-5 in./lb. NH	0 - 5 in./lb. NH - (with Pushrod conn. to stabil. horn only, also tab push-rod connected both ends)	0 - 5 in./lb. NH
SGS 2-33	N/A	19G800-9 Lead Weight on ϕ @ Elev. TE - Limits, N/A (S/N 1-85)	N/A
SGS 2-33A	N/A	19G800-9 Lead Weight on ϕ @ Elev. TE - a. Limits, N/A (S/N 86-499) b. -9 Wt. deleted (S/N 500 & up)	0 - 13 in./lb. TH
SGS 1-34, R	0-5 in./lb. NH	.5 - 1.5 in./lb. NH (Free)	0 - 3 in./lb. NH
SGS 1-35 (w/fixed HTS)	a. 0 - 4.80 in./lb. TH (S/N 8 & up)	0 - 1.0 in./lb. NH	0 - 16 in./lb. TH
	b. 0 - 1.85 in./lb. TH (S/N 1-7)	0 - 1.0 in./lb. NH	0 - 16 in./lb. TH
SGS 1-35, C (with demtb'l HTS)	a. 0 - 4.80 in./lb. TH (S/N 8 & up)	9.0 - 11.0 in./lb. TH Total (both L/RH measured off A/C)	0 - 16 in./lb. TH
	b. 0 - 1.85 in./lb. TH (S/N 1 - 7)	9.0 - 11.0 in./lb. TH Total (both L/RH measured off A/C)	0 - 16 in./lb. TH
SGS 1-36	15.75 - 19.75 in./lb. TH	9.0 - 11.0 in./lb. TH (Total L/RH measured off A/C)	0 - 16 in./lb. TH