

**MGSA Glider Pocket Guide**

**Mar-17**

<b>Aircraft</b>		<b>ASK21</b>	<b>G-102</b>	<b>Discus CS</b>
Max. weight	lbs	1,320	838	1,157
Empty weight, approx.	lbs	810	585	514
Payload 1MG/2MG	lbs	435 / 510	253	643
Min front seat	lbs	154	154	154
Max front seat	lbs	242	242	242
Max rear seat	lbs	242	n/a	n/a
Max baggage	lbs	22	22	4.4
Never exceed ( $V_{ne}$ )	kts	151	135	135
Max normal operat ( $V_{no}$ )	kts	97	92	135
Max rough air ( $V_b$ )	kts	108	135	108
Maneuvering ( $V_a$ )	kts	97	92	108
Max aerotow ( $V_t$ )	kts	97	92	97
Max winch ( $V_w$ )	kts	81	64	81
Stall speed ( $V_s$ )	kts	35	32	37
Stall speed w. airbrakes	kts	37	35	40
Max L/D		33	36	42
at speed dual	kts	53	n/a	n/a
at speed solo	kts	46	50	54
Min sink solo/dual	kts	1.28/1.4	1.2	1.36
at speed dual	kts	45	n/a	n/a
at speed solo	kts	41	41	42
Approach	kts	49*	50	59 - 62
Max x-wind	kts	8	11	11
Tire pressure - main	psi	38	36	50 - 64
nose	psi	28	36	n/a
rear	psi	36	36	30

\*practical 55