

SKYLAUNCH SUGGESTED THROTTLE GUIDE SETTING CHART

WARNING

These settings are approximate and should be treated as a guide only.

Always take account of pilot instruction/ feedback when choosing settings.

Always take care in variable weather conditions – including cross-winds.

WEAK LINKS

BLACK - No 1 1000 daN = 2200 lbs
 BROWN - No 2 850 daN = 1870 lbs
 RED - No 3 750 daN = 1650 lbs
 BLUE - No 4 600 daN = 1320 lbs
 WHITE - No 5 500 daN = 1100 lbs

The headwind guide is based on approx 5 knots (9 Km/h) per setting starting with 0 = 0 knots

If the headwind is between the 5 knots (9 Km/h) increments, increasing with altitude, gusting or the glider is launching into thermals then throttle will have to be adjusted accordingly – always allowing for any cross-wind element.

NOTE: Guide settings are based on 8.2 litre engine. For 7.4 litre engine all A's will move up to A+.

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
AC4c	White	265 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F
ASH 25	Brown	750 kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	A+
ASH 26	Red	525 kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	D
ASK 14	Red				
ASK 18	Blue	335 kg	55 Kts (102 Km/h)	59 Kts (110 Kph)	
ASK 21	Black	600 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A
ASK 23	Blue	380 kg	60 Kts (111 Km/h)	67 Kts (125 Km/h)	E
Astir/Grob single	Blue	380/450 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D
Astir Twin/Grob twin II	Brown	850 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	A
Grob twin III	Brown	850 kg	60 Kts (111 Km/h)	75 Kts (140 Km/h)	A
ASW 12	Red	430 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Kph)	
ASW 15A	Blue	318 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Kph)	E+
ASW 15B	Blue	340/408 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Kph)	E+
ASW 17	Blue	570/609 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	B-
ASW 19B	Blue	380/454 kg	60 Kts (111 Km/h)	67 Kts (125 Km/h)	D-
ASW 20	Blue	380/454 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D-
ASW 22	Brown	750 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	A-
ASW 24	Blue	350/500 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	D
ASW 27	Blue	395/500 kg	60-65 Kts (111-120 Km/h)	70 Kts (130 Km/h)	D
Austria std	Blue	323 kg	55 Kts (102 Km/h)	61 Kts (112.Km/h)	E
AV 22 & 36	See Fauvel				
Bergfalke 2	Brown	439 kg	50 Kts (92 Km/h)	50 Kts (92 Km/h)	C
Bergfalke 3	Brown	465 kg	52 Kts (96 Km/h)	52 Kts (96 Km/h)	C
Bergfalke 4	Red	505 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	C-
BG135 (& YS 55)	Blue	297 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
Bijave	Blue	500 Kg		54 Kts (100 Km/h)	
Blanik L13	Blue	500 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	C+
Blanik L23 (super)	Blue	510 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	B-
Bocian 1D	Black	539 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	B+
Bocian 1E	Black	539 kg	54-60 Kts (100-111 Km/h)	62 Kts (115 Km/h)	B+
Breguet 905	See Fauvette				
Cadet Mk1					
Cadet Mk2	See Tutor				
Cadet Mk3	See T.31				
Capstan	See T.49				
Carman JP15-34/36	See JP15-34 & 36				
Centrair 101 (Pégase)	See Pegasus				

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
Centrair 201B	See Marianne				
Cirrus (open)	Brown	400/460 kg	59 Kts (110 Km/h)	59 Kts (110 Km/h)	D+
Cirrus (std)	Blue	330/390 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	E+
Club Libelle	See Libelle (Club)				
Cobra	Red	385 kg	55-59 Kts (102-110 Km/h)	59 Kts (110 Km/h)	E+ (belly hook) E- (compromise hook)
Condor 4	Red	520 Kg	54 Kts (100 Km/h)		D-
Crystal					
Cumulus	White	272 kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	F
Dart 15 & 17	Blue	354 kg	60 Kts (111 Km/h)	71 Kts (131 Km/h)	E+ (belly hook) E- (compromise hook)
Delphin	Blue	375 kg		53 Kts (98 Km/h)	
DG 100/200/300	Blue	370/450 Kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D-
DG 400/600/800	Blue	380/525 kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	D
DG500/505 (18/20/22 M)	Black	650/750 kg	60-65 Kts (111-120 Km/h)	75 Kts (140 Km/h)	A+
Diamant 16.5	Brown	390/408 kg	54-60 Kts (100-111 Km/h)	65 Kts (120 Km/h)	C+
Diamant 18	Brown	408/440 kg	54-60 Kts (100-111 Km/h)	81 Kts (150 Km/h)	C+
Discus	Blue	380/525 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D
Discus 2	Blue	370/525 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D+
Doppelraab	Red				
Duo Discus	Brown	700 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Eagle	Blue	612 kg	54 Kts (100 Km/h)	70 Kts (130 Km/h)	C
Elfe S2	White	350 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	
EoN baby	White	277 kg	40-48 Kts (74-89 Km/h)	48 Kts (89 Km/h)	F-
EoN primary	White	222 kg		39 Kts (72 Km/h)	F- -
Falcon	White	363 kg	45 Kts (83 Km/h)	70 Kts (130 Km/h)	F-
Fauvel AV22	Blue	445 Kg		64 Kts (118 Km/h)	
Fauvel AV36	White	225 kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	E
Fauvette (Breguet 905S)	Blue	272 kg	52 Kts (96 Km/h)	52 Kts (96 Km/h)	E
Foka 3	Blue	360 Kg	54-60 Kts (100-111 Km/h)	61 Kts (113 Km/h)	E+ (belly hook) E- (compromise hook)
Foka 4 & 5	Blue	385 Kg	54-60 Kts (100-111 Km/h)	65 Kts (120 Km/h)	
Geier I	Blue	359 kg	50 kts (93km/h)	54 Kts (100 Km/h)	E-
Glasflügel 604	Brown	650 kg		70 Kts (130 Km/h)	
Goevier III	Black		50-55 Kts (93-102 Km/h)		C
Grunau 2/3/4/5	White	252 kg	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	F-
Gull 1 & 3	White	231 & 283	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	
Gull 4	White	317 Kg		52 Kts (96 Km/h)	
Harbinger	Blue	487 kg		57 Kts (106 Km/h)	
Hornet	Blue	419 kg	60 Kts (111 Km/h)	75 Kts (140 Km/h)	E+
Hütter 17	White	210 kg	40-43 Kts (74-80Km/h)	45 Kts (83 Km/h)	F-
Iris (D77)	White	330 kg	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	
IS28 B2	Blue	590 Kg		67 Kts (125 Km/h)	
IS29	Blue	360 Kg		59 Kts (110 Km/h)	
IS30	Blue	590 kg		67 Kts (125 Km/h)	
Jantar Std 1	Blue	366/520 Kg	60 Kts (111 Km/h)	59 Kts (110 Km/h)	D-
Jantar Std 2	Red	384/535 Kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
Jantar Std 3	Blue	390/540 Kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
Jantar 1 (19 Meter)	Red	417/515 kg	59 Kts (110 Km/h)	59 Kts (110 Km/h)	C?
Janus a & b	Brown	620 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	A
Janus c	Brown	700 Kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	A
Jaskolka Z	Blue	370/455 kg		48 Kts (90 Km/h)	
Javelot (& Super)	White	350 Kg		54 Kts (100 Km/h)	
JP 15-34 (Carman)	Blue	350 Kg	55-60 Kts (102-111 Km/h)	60 Kts (111 Km/h)	E
JP 15-36 A (Carman)	Blue	335 Kg	55-60 Kts (102-111 Km/h)	60 Kts (111 Km/h)	E
Junior	Red	380 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	E
Ka 1 & 3	White	195 Kg		48 Kts (90 Km/h)	
Ka 2 & Ka 2b	Red	479 kg	50 kts (93 km/h)	54 Kts (100 Km/h)	D

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
Ka 4	See Rhönlerche 2				
Ka 6BR/CR	Blue	300 kg	50 Kts (93 Km/h)	60 Kts (111 Kph)	E
Ka 6E	Blue	300 kg	50 Kts (93 Km/h)	56 Kts (104 Kph)	E
Ka 7	Brown	480 kg	55 Kts (102 Km/h)	66 Kts (122 Km/h)	D
Ka 8	Blue	310 kg	50 Kts (93 Km/h)	60 Kts (111 Kph)	F
Ka 13	Brown	529 kg	55 Kts (102 Km/h)	65 Kts (120 Km/h)	C
Kestrel 17/19	Blue	408/472 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
Kite 1	White	254 Kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	F--
Kite 2B	White	295 Kg	50 kts (93 km/h)	52 Kts (96 Km/h)	F--
Kranich III	Brown	520 Kg	50-54 kts (93-100 km/h)	54 Kts (100 Km/h)	E
Kranjanek (Zlin 4)	White		50 kts (93 km/h)		F-
L 33 (Solo)	Blue	340	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	E-
LAK 12	Blue	430/650	60 Kts (111 Km/h)	75 Kts (140 Km/h)	B-
Libelle Std (201)	Blue	320/350 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
Libelle 301	Blue	300 Kg		65 Kts (120 Km/h)	
Libelle (Club)	Blue	350		65 Kts (120 Km/h)	
LO-100	Blue	265 kg		67 Kts (125 Km/h)	
LS 1f	Blue	354/390 kg	55-60 Kts (102-111 Km/h)		E+
LS 3	Blue	380/472 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D-
LS 4	Blue	380/525 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
LS 6, 7 & 8	Red	380/525 kg	60 - 65 Kts (111- 120 Km/h)	75 Kts (140 Kph)	D+
M100	Blue	315 Kg	54 Kts (100 Km/h)	54 Kts (100 Km/h)	E-
M200	Blue	570 kg		65 Kts (120 Km/h)	
Marianne	Red	655		70 Kts (130 Km/h)	
ME 7	White	250 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F
Meise	Blue	304 kg			
MG 19A & B	Brown	479 Kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	D-
Minimoa	White	350 kg	44 Kts (81 Km/h)	44 Kts (81 Km/h)	F-
Mistral C	White	350 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	E+ (weak link can easily break)
Mosquito	Blue	380/450 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	D
Moswey III	White	250 Kg		67 Kts (125 Km/h)	
Moswey IV	Blue	300 Kg		65 Kts (120 Km/h)	
Mu13D	White	285 kg	43 Kts (80 Km/h)	45 Kts (83 Km/h)	F-
Mucha std	Blue	324 kg		54 Kts (100 Km/h)	
Mucha 100	White	290 kg		51 Kts (94 Km/h)	
Nimbus 2	Red	470/580 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	C+
Nimbus 3	Red	528/750 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A-
Nimbus 3D(2 seat)	Black	800 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Nimbus 4 (all)	Black	800 kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	A+
Nimbus mini	Blue	380/450 Kg	60 Kts (111 Km/h)	81 Kts (150 Km/h)	E+
Olympia 1	White	304 kg	43 Kts (80 Km/h)	43 Kts (80 Km/h)	F-
Olympia 2 (b)	White	304 kg	50 Kts (93 Km/h)	55 Kts (102 Km/h)	F-
Olympia 419	Blue	408 kg	50-55 Kts (93-102 Km/h)	60 Kts (111 Km/h)	E-
Olympia 460/463	White	285 kg	50-55 Kts (93-102 Km/h)	66 Kts (122 Km/h)	F+ (weak link can easily break)
Peak 100	Blue				
Pegasus (Pégase)	Blue	368/455 kg	60 Kts (111 Km/h)	65 Kts (120 Km/h)	D-
Petrel	White	289 kg		43 Kts (80 Km/h)	F-
Phoebus C	Red	375 kg		65 Kts (120 Km/h)	
PIK 20 B & D	Blue	450 kg	60 Kts (111 Km/h)	67 Kts (124 Km/h)	D-
PIK 20E	Blue	450 kg	60 Kts (111Km/h)		D
PIK 16 (Vasama)	Blue	281 Kg		75 Kts (140 Km/h)	
Pilatus B4	Blue	349 kg	55-60 Kts (102-111 Km/h)	70 Kts (130 Km/h)	E
Pirat	Blue	370 kg	55 Kts (102 Km/h)	64 Kts (118 Km/h)	E-
Prefect	White	279 kg	45-49 Kts (83-91 Km/h)	50 Kts (92 Km/h)	F-

Glider Type	Weak link	Max T.O. weight Kg dry/wet	Suggested launch speed	Max winch launching speed	Suggested throttle guide setting
Puchacz	Red	570 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	B (weak link can easily break)
PW-5	Blue	300 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E-
Rheinland	White				
Rhönlander 2	White				
Rhönlerche 2 (Ka 4)	Brown	408 kg	45-49 kts (83-90 km/h)	49 Kts (90 Km/h)	D
Rhösperber	White	282 kg	40-43 Kts (74-80Km/h)	43 Kts (80 Km/h)	
Sagitta	Blue	331 kg	50-55 kts (93-102 km/h)	66 Kts (122 Km/h)	E-
SB5 B & E	Blue	325 kg		54 Kts (100 Km/h)	
Scud III	White	247 kg		43 Kts (80 Km/h)	
SD-3 & SD-3-15	Blue	333 & 349 kg	55-60 Kts (102-111 Km/h)	65 Kts (120 Km/h)	E
SF 26A	Blue	310 kg	54 Kts (102 Km/h)	54 Kts (100 Km/h)	F+
SF 27A	Red	330 kg	55 Kts (102 Km/h)	59 Kts (110 Km/h)	F+
SF 34	Red	540 kg	55-60Kts (102-111 Km/h)	65 Kts (120 Km/h)	B
SG 38	306 kg max	222 kg		32 Kts (60 Km/h)	
SHK	Blue	370 kg	50-55 Kts (95-102 Km/h)	56 Kts (104 Km/h)	E-
SIE 3	Blue	340 kg	55 Kts (102 Km/h)	60 Kts (111 Km/h)	F+
Silène	Red	565 kg	55-60Kts (102-111 Km/h)		C+ (weak link can easily break)
Sky	White	385 kg	44 Kts (81 Km/h)	44 Kts (81 Km/h)	F+ (weak link can easily break)
Skylark 2	Blue	331 kg	55-60 Kts (102-111 Km/h)	61 Kts (113 Km/h)	E
Skylark 3B & 3F	Blue	358-377 kg	55-60 Kts (102-111 Km/h)	71 Kts (131 Km/h)	E
Skylark 4	Blue	377 kg	55-60 Kts (102-111 Km/h)	76 Kts (141 Km/h)	E
SNC 34 (Alliance)	See SF 34				
Spatz & L-Spatz	White	265 kg	45-49 Kts (83-90 Km/h)	49 Kts (90 Km/h)	F?
Sperber	Black				
Swallow	White	318 kg	50 Kts (93 Km/h)	64 Kts (119 Km/h)	F (weak link can easily break)
Swift	White	410 kg		75 Kts (139 Km/h)	
SZD 55	Blue	350/500 kg		78 Kts (145 Km/h)	
T.21b (Standard hook)	White	476 kg	45-50 Kts (83-93 Km/h)	55 Kts (102 Km/h)	E (weak link can easily break)
T21b (belly hook)	Blue	476 kg	45-50 Kts (83-93 Km/h)	55 Kts (102 Km/h)	
T.31 (Cadet Mk 3)	White	377 kg	45-50 Kts (83-93 Km/h)	48 Kts (89 Km/h)	E (weak link can easily break)
T.49b (standard hook)	Blue	567 kg	55-60 Kts (102-111 Km/h)	66 Kts (122Km/h)	D+ Weak link can easily break
T.49b (belly hook)	Red	567 kg	55-60 Kts (102-111 Km/h)	66 Kts (122Km/h)	
T.53 & YS53	Red	583 kg	55 Kts (102 Km/h)	70 Kts (130 Km/h)	B- (weak link can easily break)
Torva	White				
Tutor (Cadet Mk 2)	White	258 kg	45 (83 Km/h)	48 Kts (89 Km/h)	F
Vega	Blue	351/440 kg	60 Kts (111 Km/h)	70 Kts (130 Km/h)	D
Ventus	Blue	350/500 Kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	C-
Ventus 2	Blue	350/525 Kg	60-65 Kts (111-120 Km/h)	81 Kts (150 Km/h)	C-
Viking	White	317 kg		50 Kts (92 Km/h)	
Wassmer WA26 (Squale)	Blue	378 kg		65 Kts (120 Km/h)	
Weihe	Blue	354 kg	48 Kts (90 Km/h)	48 Kts (90 Km/h)	D-
Zugvogel 1, 2, 3 & 4	Blue	365 kg		54 Kts (100 Km/h)	

NOTE: Any glider listings not filled in have yet to be assessed by Skylaunch to complete the data.

Please note that Skylaunch endeavour to make settings as similar as possible between machines, but this cannot be guaranteed. In consequence, this table should be treated AS A GUIDE ONLY, and you should adjust it in the light of your own experience with your machine. E & OE

Data compiled from the British Gliding Association and gliding clubs operating Skylaunch winches. This data may vary due to glider type variations and modifications or any errors incurred and therefore cannot be guaranteed as correct. The weight or speed data given here is for guidance only, it will not be updated and under no circumstances should it be taken as authoritative. Last update of this list 16 Sept 2007 Tim Macfadyen