

BGA glider data sheet - Ka 2 & Ka2b

Data source: The world's Sailplanes Vol 1 & BGA data sheet

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URL : http://www.as-segelflugzeuge.de/englisch/e_main.htm

Weighing Data:

	Kg	Pounds
Max weight Ka2	460	1014
BGA concession non-aerobatic max weight Ka2	474	1045
Max weight Ka2b	480	1058
BGA concession non-aerobatic max weight Ka2b	494	1090
Max pilot weight (seat load) Ka2 & Ka 2b	100	220
Max weight of non-lifting components (everything except wings) Ka 2b	320	705
BGA concession non-aerobatic Max weight of non-lifting components Ka 2b	336	741

mm

Forward C of G limit (aft of datum)	50
Aft C of G limit (aft of datum)	275
Front pilot position (forward of datum)	1041
Rear pilot position (forward of datum)	0

Longitudinal datum: Wing rib 2 LE .

Horizontal datum: Underside of rib 3 horizontal

Control deflections in mm

	Up	Down	Distance - hinge to measuring point
Ailerons	135 ±10	65 ±10	260
Elevator	160 ±10	160 ±10	470
Trim			
Rudder	Left 350 ±30	Right 350 ±30	750

Maximum speeds

	Knots	Kph
VNE	92	170
Rough air	70	130
Aerotow	70	130

	Knots	Kph
Airbrakes open	92	170
Winch / auto tow	54	100

Max winch weak link: 750 Kg (Tost red)

Tyre pressure: 36 psi (2,5 Bar)

Semi aerobatic Cloud flying permitted

Notes: -

Ka2 is 15 Meter span the Ka2b is 16 Meter span

This sheet compiled by: Tim Macfadyen

Date 29 Jan 2003

4 June 2023 UK agent Email changed

3 Dec 2023 Extensive changes to weights and speeds in line with original manuals of Ka 2b Serial No 23 supplied by Dominic Newton