2.20 Limitations placards

DG Aviation GmbH
Type: DG – 1001E Serial No.: 10- E
Year of construction:

Maximum airspeeds	km/h	kts.
Winch launching	150	81
Aero-tow	185	100
Manoeuvring V_A	185	100
Rough air	185	100
Maximum speed V_{NE}	270	146
Propeller rotating VPE	160	86
Motor start VPO max.	120	65
Motor start VPO min.	80	43

Self-launching is prohibited.
Taxiing is prohibited

Approved aerobatic manoeuvres, Only allowed in configurations as described in AFM section 2.8.
Pos. Loop, Chandelle, Spin, Stall turn
In addition Category A:
Only allowed in configurations as described in AFM section 2.8.
Half loop and half roll, half roll and half loop, slow roll, inverted flight, half positive flick roll from normal flight with half loop, half negative flick roll from inverted flight

Maximum mass:

With wing span m	17.2 or 18		20	
Category A	630 kg	1389 lbs.	/	/.
Category U	750 kg	1653 lbs	790 kg.	1742 lbs.
Category U without water ballast	kg	kg	kg.	lbs.

Loading chart

Cockpit load	front seat		rear seat		(Parachute
maximum	105 kg	231 lbs.	105 kg	231 lbs.	included)
or	110 kg	242 lbs.	90 kg	198 lbs.	
minimum	kg	lbs.	/	/	20 m with FES batteries, no fin battery
minimum	kg	lbs.	/	/	17.2 + 18 m without FES batteries, with fin battery

The load in the front and in the rear seat may be increased to max. 110 kg (242 lbs,) per seat. To accomplish this the mass of the rear pilot must be compensated by ballast in the ballast box in the fin.
A full ballast box in the fin increases the min. front Cockpit load by 35 kg (77 lbs.)
With lower pilot weight necessary ballast must be added.

Ballast box in the fin
Min. load in the front seat
kg **box empty** — kg **box filled**

At the control-light in the front instrum**ent panel**

Other cockpit placards see section 7

Gepäck max. 15 kg
baggage max. 33 lbs.

Sollbruchstelle 10000 N
rated load 2200 lbs.

Abflugmasse	**750 kg**	**790 kg**
TOW	**1653 lbs.**	**1742 lbs.**
Reifendruck	**2,5 bar**	**3 bar**
Tyre pressure	**36 psi**	**43.5 psi**

Main wheel

Reifendruck 4 bar
Tyre pressure 58 psi

Tail wheel

Warning:
Rigging of the horizontal tailplane is only permitted with nose down trim-setting!

at the upper left hand side

LG ext.-retr. up to 185 km/h 100 kts.

Below the controls and control lights for the electrically operated landing gear