

## II.2 cont. Operation Range Classes – Crew

Solo flights may only be conducted from the front seat

With a crew of two, the pilot in command sits in the front seat – unless the occupants agree prior to the flight that the pilot in command sits in the rear seat. For the latter it is necessary, that all controls and instruments are available in the rear seat, and that the pilot is familiar with the operation of the aircraft from this position.

# ASK 21 Flight Manual

## II.8 cont. Weight and Balance Information / Minimum load in front seat

The minimum payload in the front is found on the weight and balance sheet on page 11.

**CAUTION:** *Short weight in the front seat must be compensated by ballast (installation of lead discs in the nose).  
1 lead disc = 2.76 lbs pilot weight*

Number of lead discs	Results in a reduction of the minimum payload in the front seat of		If the minimum payload in the front seat is 70kg (154lbs), it changes to:	
	kg	lbs	kg	lbs
0	0	0.00	70	154.32
1	1.25	2.76	68.75	151.57
2	2.5	5.51	67.5	148.81
3	3.75	8.27	66.25	146.06
4	5	11.02	65	143.30
5	6.25	13.78	63.75	140.54
6	7.5	16.53	62.5	137.79
7	8.75	19.29	61.25	135.03
8	10	22.05	60	132.28
9	11.25	24.80	58.75	129.52
10	12.5	27.56	57.5	126.77
11	13.75	30.31	56.25	124.01
12	15	33.07	55	121.25

Concerning the minimum payload in the front seat, in addition the following applies: One third of the weight of the rear pilot contributes to the payload in the front seat.

But for pilot training it may be noted: If from the beginning the student forms a habit of installing the amount of lead discs he would also need for solo flying, fewer mishaps may arise later.

Issue April 1980  
 Rev.No. / Date    Sig.  
 TN35-A    01.03.12    mg

