

Rocket Design



AROK-D7

Stages: 1

Mass (with motor): 48,0 g

Stability: 2,54 in

CG: 25,8 cm

CP: 32,3 cm

C6-5

	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude								
Flight Time	C6	4,0 N	1,86 s	11,6 N	7,48 Ns	8,49:1	12,5 g	0,018/0,07 m
Time to Apogee								
Velocity off Pad								
Max Velocity								
Velocity at Deployment								
Landing Velocity								











B4-4

	Motor	Avg Thrust	Burn Time	Max Thrust	Total Impulse	Thrust to Wt	Propellant Wt	Size
Altitude								
Flight Time	B4	4,04 N	1,3 s	11,7 N	5,28 Ns	9,06:1	8,33 g	0,018/0,07 m
Time to Apogee								
Velocity off Pad								
Max Velocity								
Velocity at Deployment								
Landing Velocity								

A8-3

Parts Detail

Hauptstufe

	Spitze	Papier (Büro) (0,82 g/cm ³)	Konisch	Len: 6,0 cm	Mass: 1,0 g
	Körperrohr der Spitze	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,67 cm Dia _{out} 1,7 cm	Len: 3,0 cm	Mass: 1,0 g
	Verbindungshülse	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,57 cm Dia _{out} 1,6 cm	Len: 6,2 cm	Mass: 1,0 g
	Balastkammer	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,47 cm Dia _{out} 1,5 cm	Len: 0,5 cm	Mass: 0,029 g
	Masse		Dia _{out} 1,0 cm		Mass: 2,0 g
	Körperrohr	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,67 cm Dia _{out} 1,7 cm	Len: 28,0 cm	Mass: 4,0 g
	Schubring	Papier (Büro) (0,82 g/cm ³)	Dia _{in} 1,57 cm Dia _{out} 1,6 cm	Len: 18,0 cm	Mass: 1,0 g
	Schockband mit Gummidämpfer und Ankern	Thread (heavy-duty) (0,3 g/m)		Len: 40,0 cm	Mass: 2,0 g
	Finnen (4)	Papier (Büro) (0,82 g/cm ³)	Thick: 0,015 cm		Mass: 0,531 g
	Leitröhrchen	Karton (0,68 g/cm ³)	Dia _{in} 0,3 cm Dia _{out} 0,3 cm	Len: 3,0 cm	Mass: 0 g