

Parameter	Perfect line	Dyneema [®]	Polyester
Line diameter (mm)	0.01	0.8	2.5
Line linear mass density (g m ⁻¹)	0.01	0.39	3
Resistance (daN)	n/a	87	59
Pull angle (°)		60	
Total mass (kg)	2.7 (wing) + 0.5 (payload)		
Wing area (m ²)	10 ($A = 8.7$)		
Wing drag	$C_x = 0.15$		
Line drag	$C_x = 1$ (used for cylinders)		
Air density (kg m ³)	$\rho = 1.18$		
Line length (m)	[0,700]		
Wind speed (m s ⁻¹)	$V \in \{3; 5; 7; 9; 11\}$		