
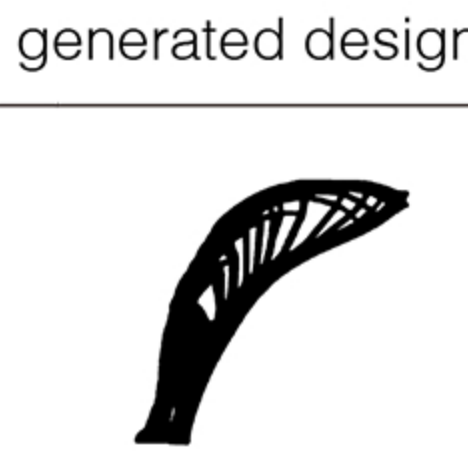
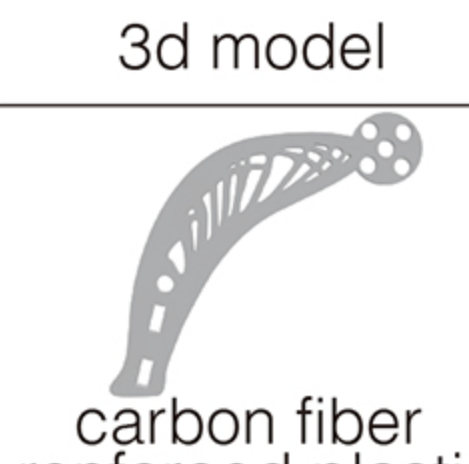
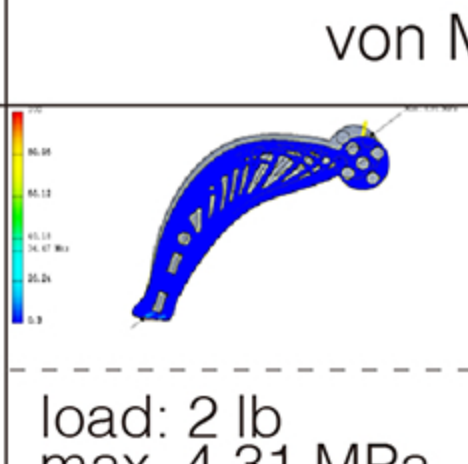
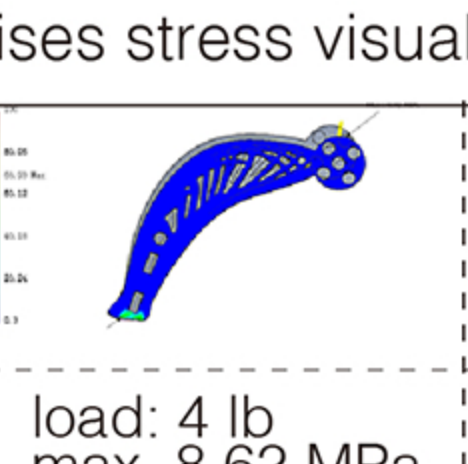
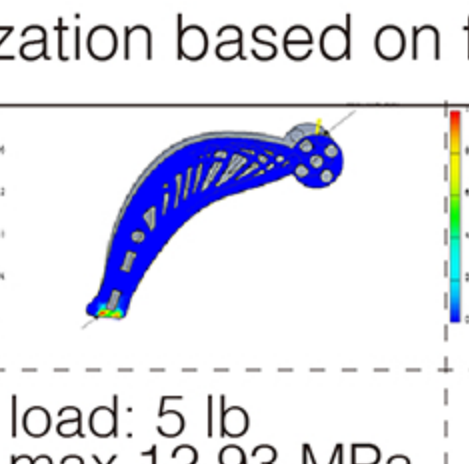
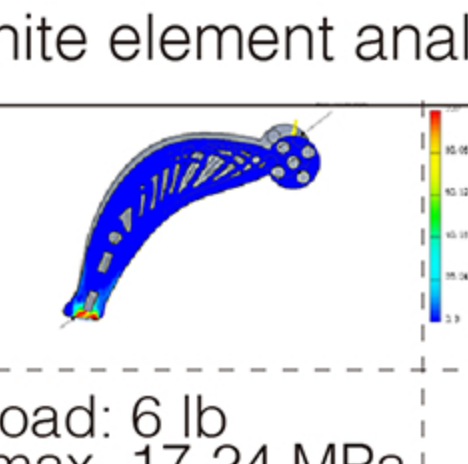
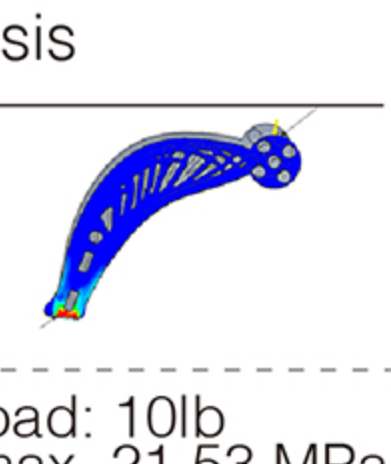
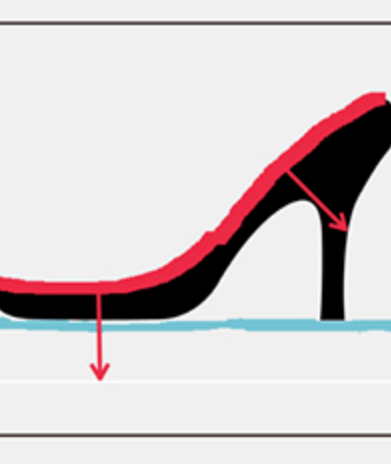
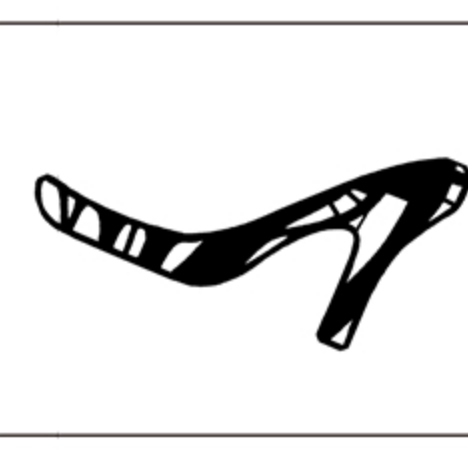

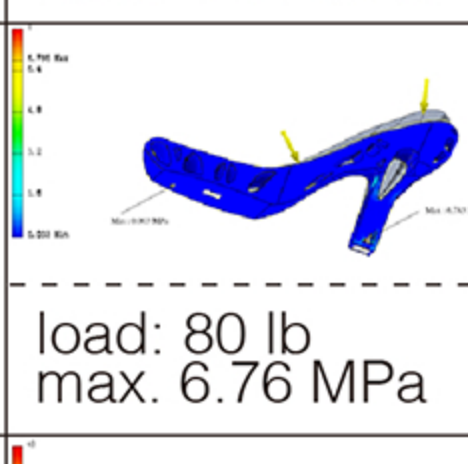
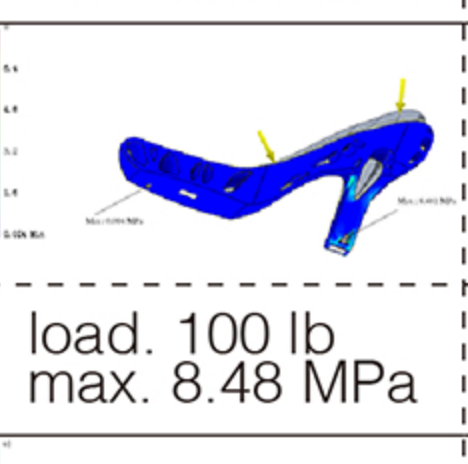
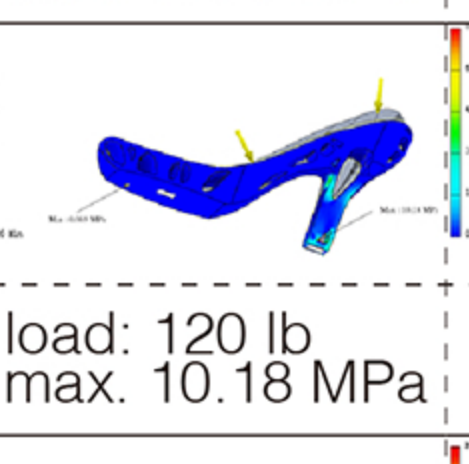
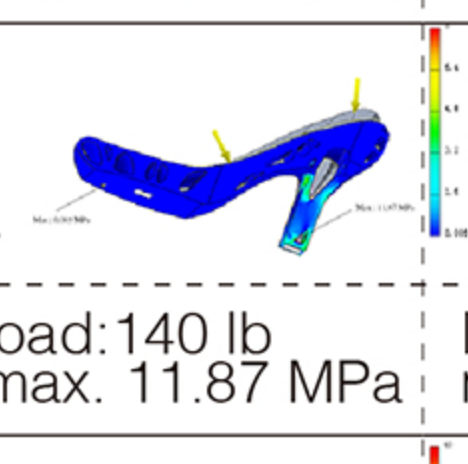
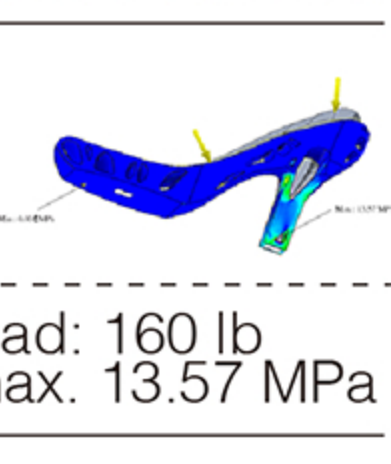
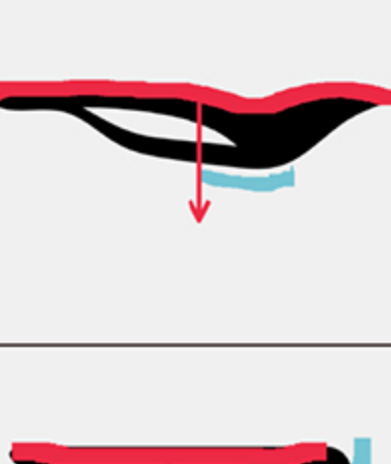
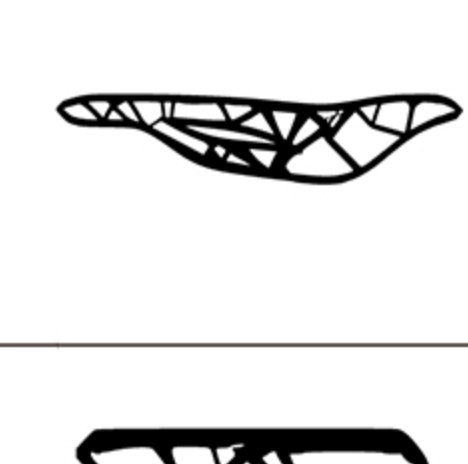
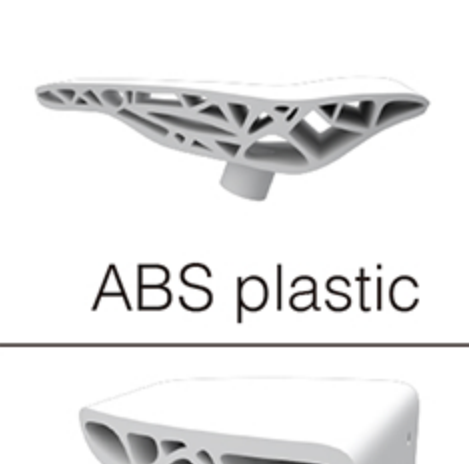
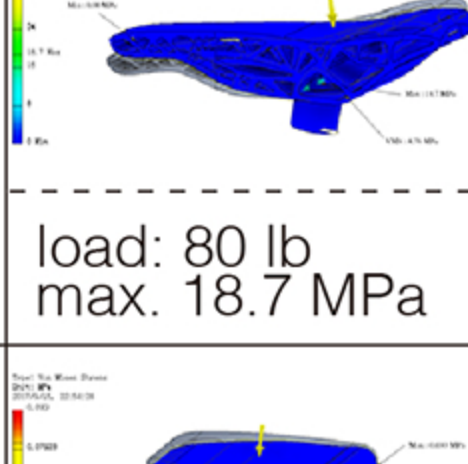
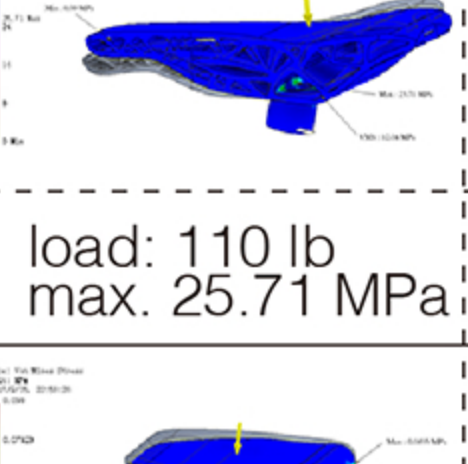
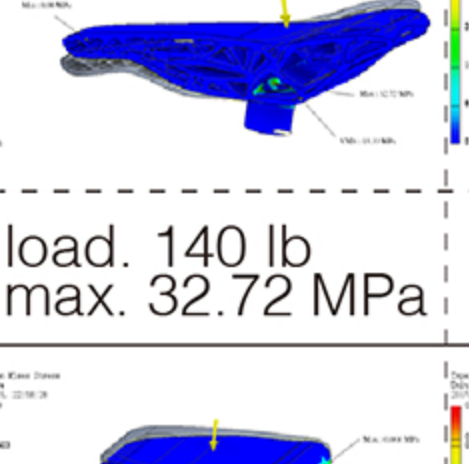
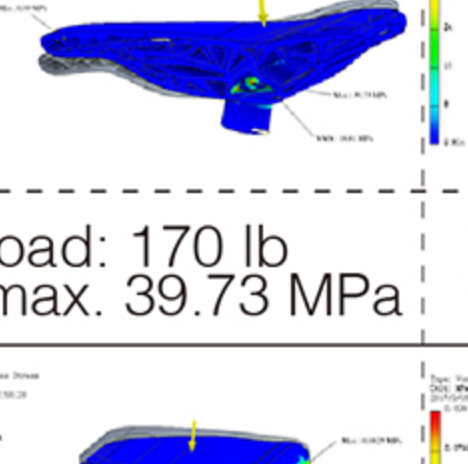
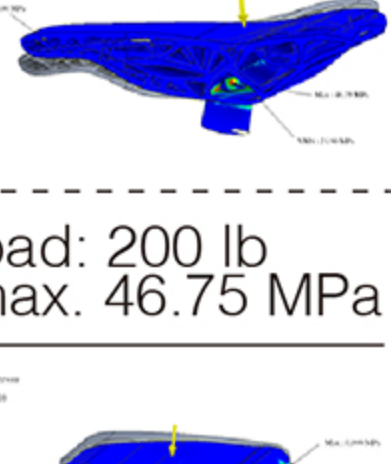
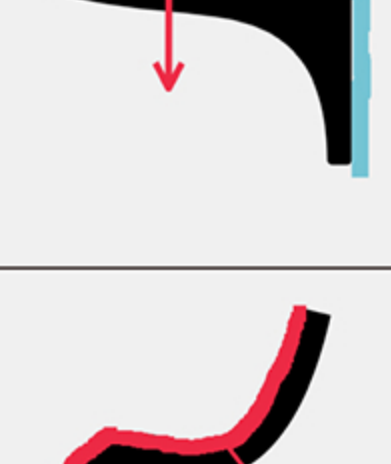
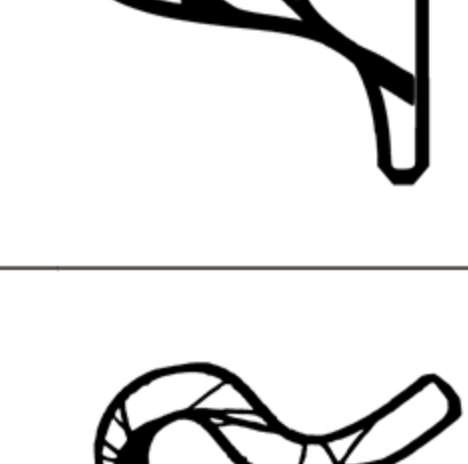
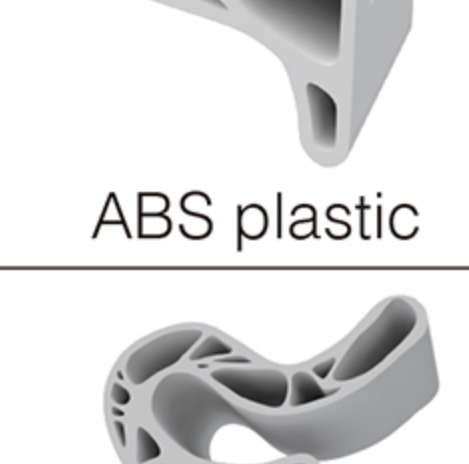
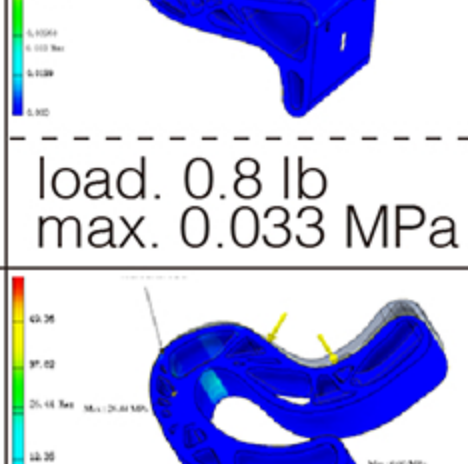
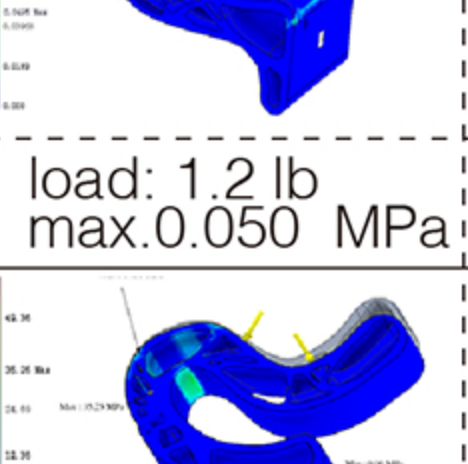
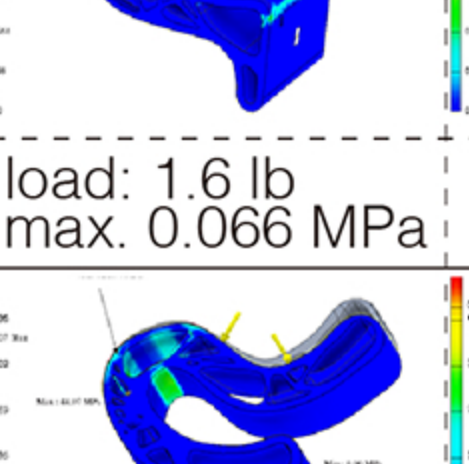
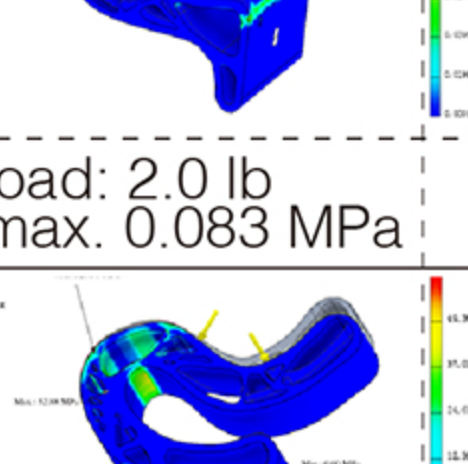
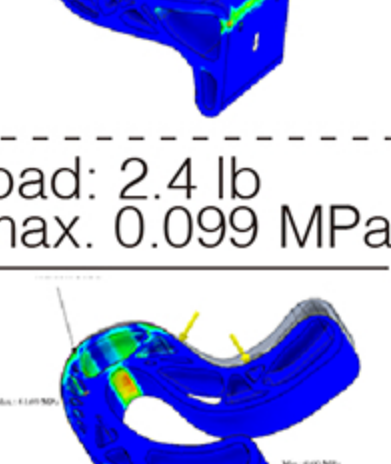
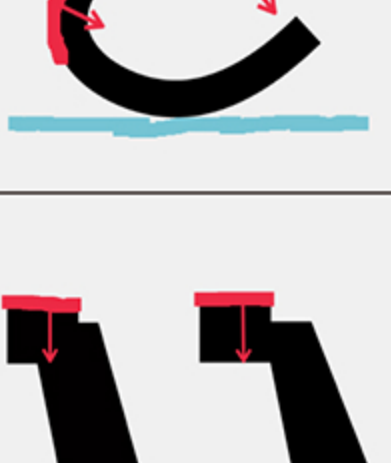
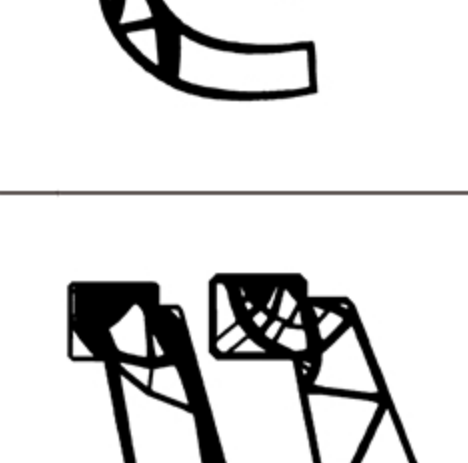
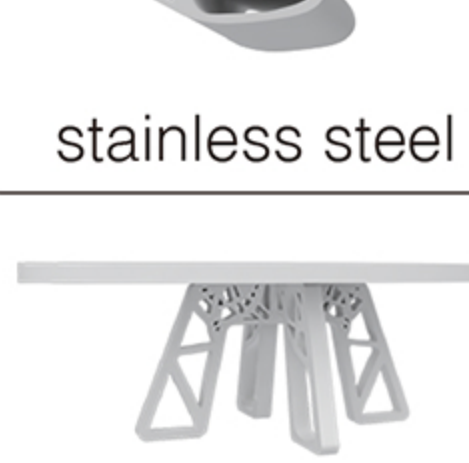
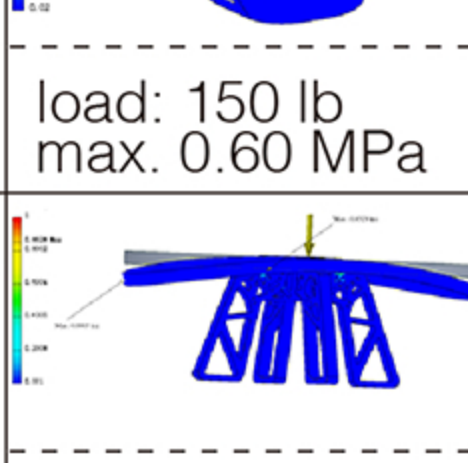
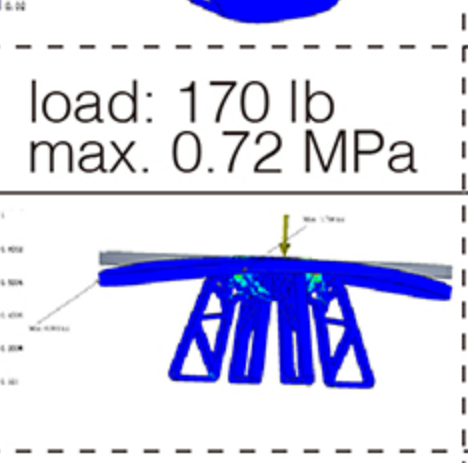
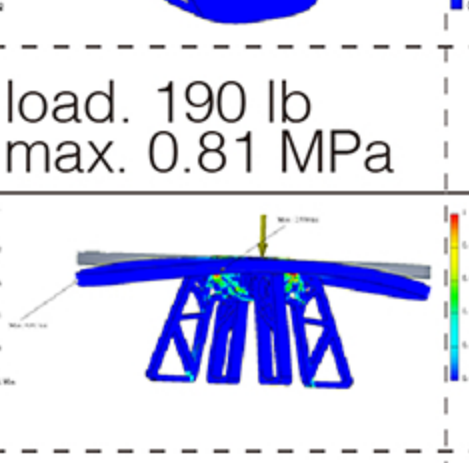
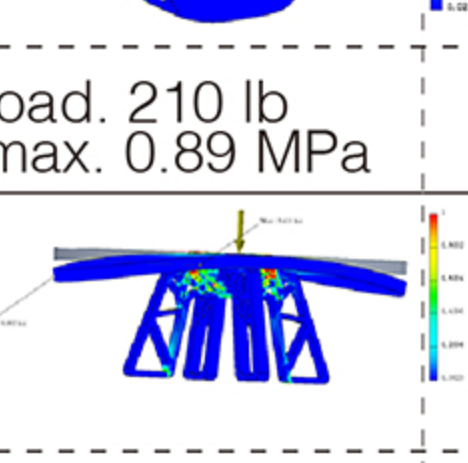
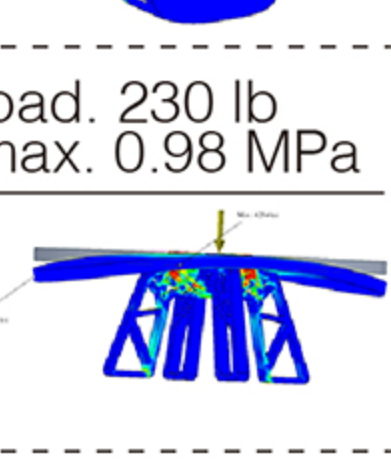
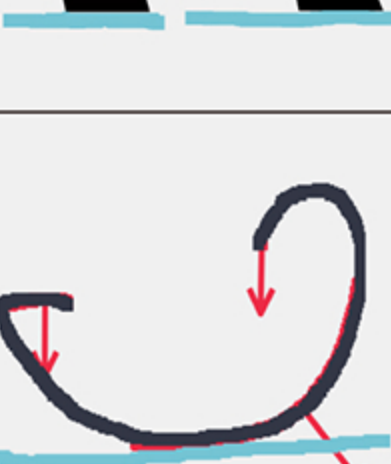
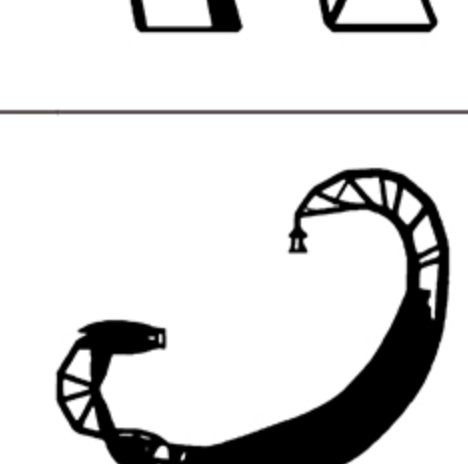

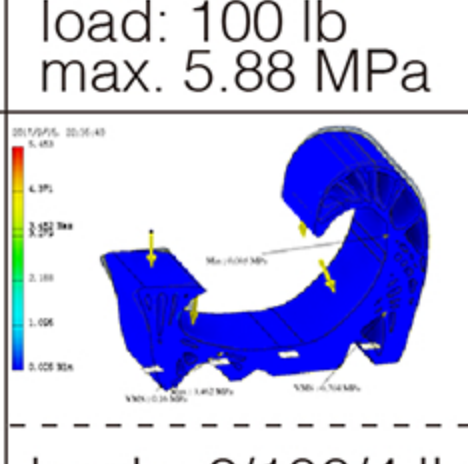
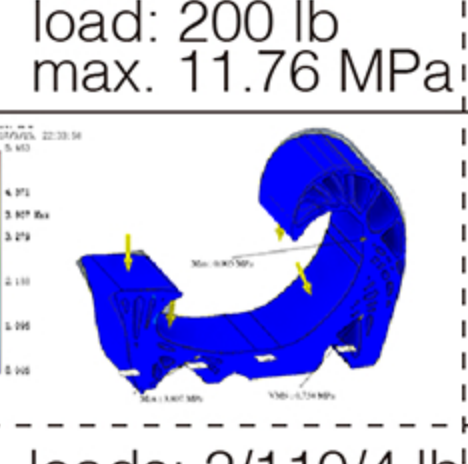
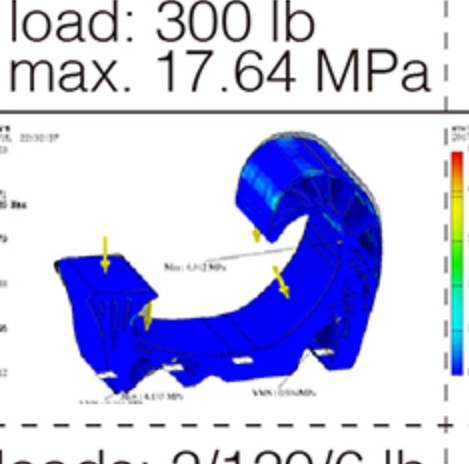
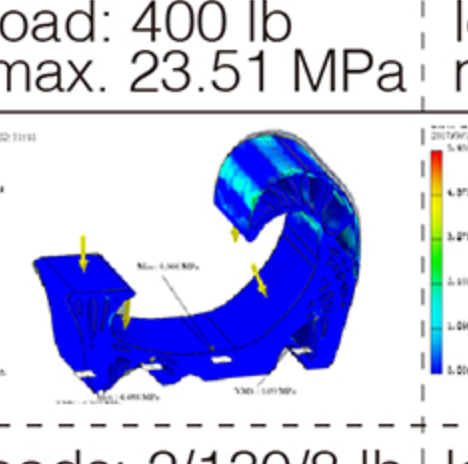
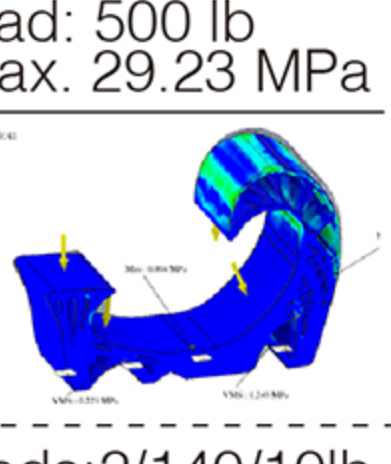
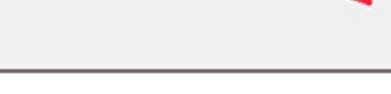


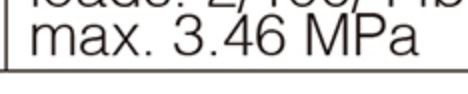
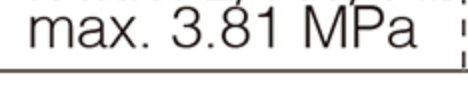
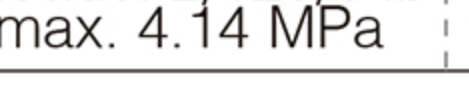




sketch & loads	generated design	3d model	von Mises stress visualization based on finite element analysis				
		 carbon fiber reinforced plastic	 load: 2 lb max. 4.31 MPa	 load: 4 lb max. 8.62 MPa	 load: 5 lb max. 12.93 MPa	 load: 6 lb max. 17.24 MPa	 load: 10lb max. 21.53 MPa
		 ABS plastic	 load: 80 lb max. 6.76 MPa	 load: 100 lb max. 8.48 MPa	 load: 120 lb max. 10.18 MPa	 load: 140 lb max. 11.87 MPa	 load: 160 lb max. 13.57 MPa
		 ABS plastic	 load: 80 lb max. 18.7 MPa	 load: 110 lb max. 25.71 MPa	 load: 140 lb max. 32.72 MPa	 load: 170 lb max. 39.73 MPa	 load: 200 lb max. 46.75 MPa
		 ABS plastic	 load: 0.8 lb max. 0.033 MPa	 load: 1.2 lb max. 0.050 MPa	 load: 1.6 lb max. 0.066 MPa	 load: 2.0 lb max. 0.083 MPa	 load: 2.4 lb max. 0.099 MPa
		 stainless steel	 load: 150 lb max. 0.60 MPa	 load: 170 lb max. 0.72 MPa	 load: 190 lb max. 0.81 MPa	 load: 210 lb max. 0.89 MPa	 load: 230 lb max. 0.98 MPa
		 glass and stainless steel	 load: 100 lb max. 5.88 MPa	 load: 200 lb max. 11.76 MPa	 load: 300 lb max. 17.64 MPa	 load: 400 lb max. 23.51 MPa	 load: 500 lb max. 29.23 MPa
		 ABS plastic	 loads: 2/100/4 lb max. 3.46 MPa	 loads: 2/110/4 lb max. 3.81 MPa	 loads: 2/120/6 lb max. 4.14 MPa	 loads: 2/130/8 lb max. 4.49 MPa	 loads: 2/140/10 lb max. 5.46 MPa