

MobileMast w/ EZ RAZE

Technical Specification:

MM CF EZ 40 FT. BLK W/EZ RAZE Mast System

Tripod:	Top Collar	UHMW 5.5" x 6" x 2" Black
	Lower Collar	UHMW 5.75" x 6" x 2" Black
	Cross Bar	6061T6 Alum: 1" x .25 x 11.5"
	Base Plate	UHMW 8" x 8" Black
	Base legs	Alloy CDS 1.25 OD x .049" wall x 48" Tensile S: 45,000 PSI
	Nested legs	Alloy CDS 1.125 OD x .058" wall x 48" Tensile S: 70,000 PSI
Center Mast:	High grade carbon fiber /vinyl ester structural tubing 52" L x 1.25" OD smooth black. Tensile Modulus 15000KSI, Tensile Strength 175KSI Typical	
Rope Stay:	Aluminum 4" x 11" x 2" CARC Green with Kevlar 3.5 mm / 1200 lb line strength	
Ground Stakes:	Steel 18" x .5" Diameter Power Coated Black	
Winch:	6061T6 aluminum with UHMW polyethylene bushings and cold rolled steel backlash eliminator. Side plates: 1/8" aluminum. Handle: 5/8" diameter welded rod to 1.83: diameter solid round aluminum insert. Hub: 2" OD x .83" wall. Cable: Dyneema 2mm OD micro-stretch / 900 lb line strength	
Carriage:	6061T6 aluminum plate with stainless steel hardware Rollers: Stainless steel wheel with sealed stainless steel ball bearings	
Extension Arms:	1.5" x .065" wall 16 gauge 6061T aluminum square tube 12-48" with two adjustable cup holders 1.5" x .065" wall x 7.5" 16 gauge 6061T6 aluminum tube 2.5" diameter x .083" wall can receive devices from 1" OD to 2.18" OD and one flat bolster plate.	
Surface Coating:	Powder coat / paint / base material – may be black or green #383	
Carry bag:	Mil-C-43375 nylon in OD green	
Op Temps	Operating -30F to 150F and storage from -50F to 195F.	
Height:	Extended height 40' (feet) / nested height 4' 8"	
Survival		
Wind Speed:	Max survival 40 mph. NOTE: based on 4 square foot sail area at Cd=1.5 with 40 lbs payload	
Deployment		
Wind Speed:	Maximum 20 mph. NOTE: based on 4 square foot sail area at Cd=1.5 with 40 lbs payload	
Weight:	76.7 lbs includes complete accessory kit as described above and all ancillary equipment	
Deployment time:	15-20 minutes (two/three person)	
Takedown time:	10-15 minutes (two/three person)	