

MobileMast

Technical Specification:

MM CF 20 FT. BLK 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	
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 20' (feet) / nested height 4' 8"	
Survival		
Wind Speed:	Max survival 100 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:	41.8 lbs includes complete accessory kit as described above and all ancillary equipment	
Deployment time:	10-12 minutes (one/two person)	
Takedown time:	8-10 minutes (one/two person)	