

FM SERIES

TELESCOPING MASTS

Elevate Your Mission
Critical Cameras, Sensors
and/or Antennas Using Our
Rugged, Maintenance-Free
Mechanical, Telescoping
Masts



www.blueskymast.com | sales@blueskymast.com

TELESCOPING MASTS

OPERATES IN EVERY
ENVIRONMENT ON EARTH

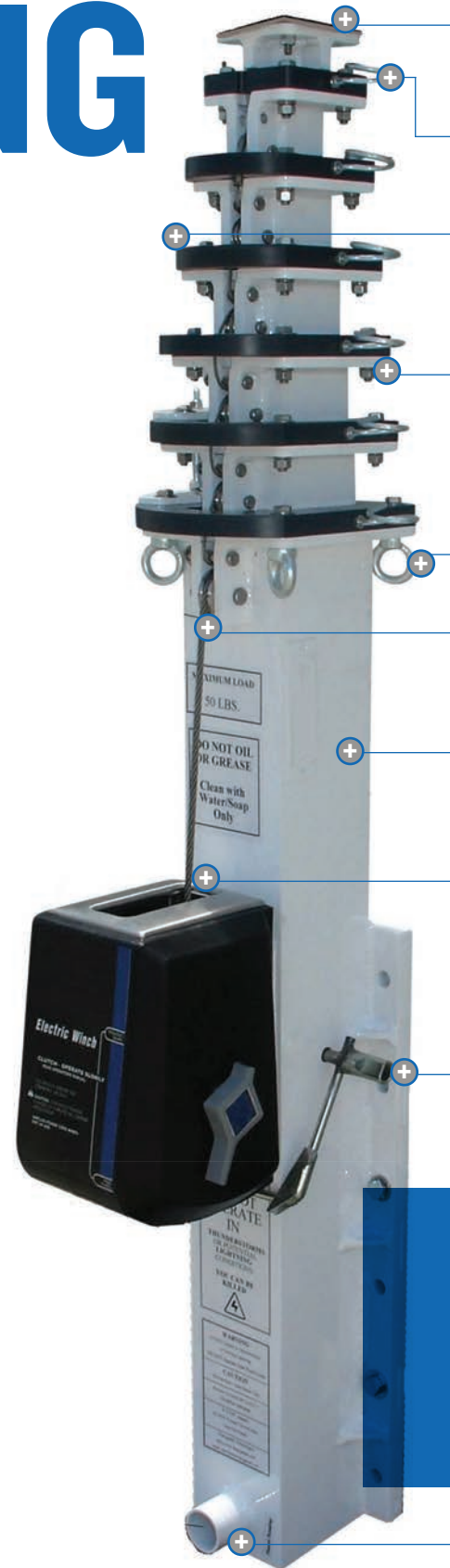
FM SERIES

The FM Series is our flagship Military Grade telescoping mast system. Each mast is based on an exquisitely simple design that lends itself to extremely rugged and dependable service. They are nearly maintenance-free and only require a wash down using clear water occasionally. The FM Series mast is in use every day; whether it is depended upon by the U.S. Military as HMMWV (High Mobility Multipurpose Wheeled Vehicle) mounted camera or antenna platforms, by the Navy in Antarctica as trailer-based weather stations, by the Border Patrol in truck bed mounted skids form, or as Cell On Wheels in the U.S. We provide elevated systems that assist the U.S. Military, Homeland Security, Local Law Enforcement and Communications Professionals. Our number one goal is a quality mast that our clients can depend on for years to come. Every mast is easily adapted to your platform requirement – HMMWV bumper, trailer, receiver hitch, ground, wall-mounted or transportable mount (QuadPod). However, no matter what your requirement calls for, custom integration is our forte.

Clients include:



PEOSTRI



SQUARE, 4-HOLE MOUNTING FLANGE
for Cameras, antennas and other payloads

PIGTAIL RINGS OR CABLE CLAMPS
NyCoil Cable Management also available

NYLON COLLARS
for smooth operation

Ability to mount other items on any
mast section

GUY EYES
(top, middle & bottom)

**STAINLESS STEEL PULL CABLES
& SHEEVES**

ALUMINUM
(6061-T6 Aircraft)

WINCHES
Electric (12vdc, 120vac)
Hand (steel or stainless)
Hydraulic

REAR MOUNTING FLANGE (std)
Various standard and custom
mounts available

**RUGGED, ALL ALUMINUM
CONSTRUCTION**

**BORN OF MILITARY AND
HOMELAND SECURITY USE**

DRAINAGE & DEFROST PORT

KEY FEATURES

- All Aluminum & Stainless Steel Construction
- Self-Lubricating Shims
- Manual or Electric Winches (12vdc/24vdc or 120vac)
- Upper & Lower Electro-Mechanical Safety Switches
- Available Custom Mast Top Adapter for Sensors
- Cable Guide rings on Each Section
- Guy Line Connectors
- Vertical Hard Mount or Can be Tilted Horizontal for Travel
- Cold Weather Defrost System
- MIL-STD-810 Tested

PAYLOAD CHART

Mast Model	Extended Height	Retracted Height	Weight Capacity	No. of Sections
FM-15	15' - 4.5m	57.25"	50 lbs.	5
FM-20	20' - 6.1m	68.00"	50 lbs.	7
FM-30	30' - 9.1m	82.00"	50 lbs.	7
FM-40	40' - 12.2m	96.50"	50 lbs.	8
FM-50	50' - 15.2m	115.75"	50 lbs.	8
FM-60	60' - 18.3m	135.00"	50 lbs.	8
FM-70	70' - 21.3m	157.25"	50 lbs.	8
FM-15 HD	15' - 4.5m	43.25"	200 lbs.	5
FM-20 HD	20' - 6.1m	60.00"	200 lbs.	5
FM-30 HD	30' - 9.1m	98.00"	200 lbs.	6
FM-40 HD	40' - 12.2m	120.00"	150 lbs.	6
FM-50 HD	50' - 15.2m	146.50"	150 lbs.	6
FM-60 HD	60' - 18.3m	153.25"	150 lbs.	8
FM-70 HD	70' - 21.3m	184.25"	150 lbs.	8
FM-20 SHD	20' - 6.1m	88.75"	350 lbs.	7
FM-30 SHD	30' - 9.1m	103.75"	450 lbs.	7
FM-40 SHD	40' - 12.2m	133.75"	450 lbs.	7
FM-50 SHD	50' - 15.2m	156.75"	350 lbs.	9
FM-60 SHD	60' - 18.3m	196.50"	350 lbs.	9

Other masts available with heights up to 100' & 1500 lb payloads!



E L E V A T I N G S O L U T I O N S



BlueSky Mast designs, engineers, manufactures, and sells high performance mast systems and tool-less accessories for mission-critical C5ISR programs.

We are responsive to the needs of defense customers, and have an entire line of new telescopic mast systems and tool-less accessories in development for emerging on-the-move and mobility missions involving manned and unmanned military ground vehicles.

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