

Mechanical Square Mast (MSM)

The versatile and cost-efficient Mechanical Square Mast (MSM) series offers functional excellence for your various needs with a unique belt-driven design.

The square design prevents rotation, ensuring stability during operations. Each section extends simultaneously using a reliable belt system and can stop extension at varying heights. It incorporates Micro Limit Switch and Magnetic Safety Switch for safe and controlled extension and retraction of mast sections. Hand crank available or can be powered by a 12VDC power source, ensuring versatility and compatibility.

Constructed with 3,000lb-rated lifting straps for enhanced durability, the Mechanical Square Mast includes a pendant remote control for convenient operation. Equipped with a tamper-proof winch cover and self-lubricating rollers for smooth functioning, it has non-metallic bearings at the top and bottom of each section ensure seamless movements.

The Mechanical Square Mast boasts a small footprint with a base plate measuring 16.5" x 13" for space-saving efficiency. Robust construction with mast sections made from heat-treated aluminium alloy for added strength.

Perfectly tailored for camera systems weighing up to 50 lbs, it also seamlessly supports antenna systems within the same weight limit.

Key Features:

- Aluminium tubes
- Stainless steel hardware
- Tamper-proof winch cover
- Painted base with clear anodise on all moving parts.

Customisable Options:

- Easily accommodate brackets for Nycoil or coil cable
- Adapt headload and heights to suit your requirements where possible
- Choose a 24VDC power source for specific power preferences
- Manual operation alternatives available.

MSM Folding Stand:

- Removable wheels
- Stand is capable of being mounted to a flat surface
- Pendant remote control
- Compact design for easy portability.



Mast	Height Extended (m)	Height Retracted (m)	Number of Sections	Top Section (cm)	Base Section (cm)	Max Load (kg)	Max Windspeed (kph)
MSM20/4	6	1.7	5	5	10.16	20	32
MSM20	6	1.7	4	6.35	15.24	22	48
MSM25	7.7	1.7	5	7.62	15.24	22	48
MSM27	8.2	1.8	5	7.62	15.24	22	48
MSM33	10.2	2.4	5	7.62	15.24	22	48