

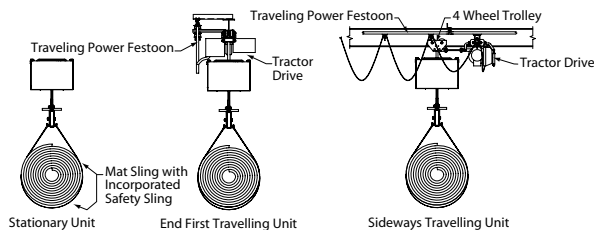
# Mat Lifters

Store wrestling mats up off the floor with a DRAPER MAT LIFTER. Three models: SINGLE, DOUBLE or SECTIONAL. Each MAT LIFTER is constructed of a welded steel frame, with all drive and lifting mechanisms enclosed in a sheet metal housing.

- Stationary or traveling.
- Raise and lower MAT LIFTERS with a key switch control. Limit switches control the range of motion.
- Each MAT LIFTER has a 210:1 ratio double reduction worm-worm gearbox attached to an instantly reversing 2 HP motor, operating with the choice of 208-, 230- or 460-volts in 3-phase. Includes a 6 lb./ft. electric safety brake.
- Lifting drums are synchronized for even cable wrap.
- 1 $\frac{7}{16}$ " diameter cold-finished steel drive shaft.
- The two steel lift cables are  $\frac{5}{16}$ " 6-strand, with 37 wires per strand and a fiber core. Cables are rated at 1704 lbs. each at a 5-to-1 safety factor.
- Standard sling color is black; other colors are available.
- Continuous straps wrap completely around mat to stop mat from falling should fabric sling become torn. For safety purposes, the sling capacity governs the lift capacity of the system.
- MAT LIFTERS weight approximately 2000 lbs.

## 502020 Single Mat Lifter

- Lifting, lowering speed is approximately 10 ft. per minute.
- Cables attached to a load bar connected to a fabric sling.
- Supports a standard 45' x 45' wrestling mat (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio.



Wall-mounted Single Mat Lifter at Tippecanoe High School, Tipp City, OH. Architect: Fanning-Howey Associates, Inc., Celina, OH. Photography: Wayne Williams, Indianapolis, IN.

Dimensions, drawings and specifications available at:  
[www.draperinc.com/go/MatLifter.htm](http://www.draperinc.com/go/MatLifter.htm)

## 502021 Double Mat Lifter

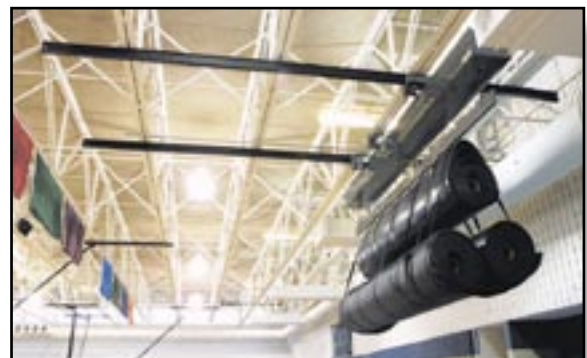
- Lifting and lowering speed is approximately 5 ft. per minute.
- Cables are attached to welded frame and pass through sheave blocks attached to the load bar connected to fabric slings.
- Supports two 42' x 42' wrestling mats (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio.



Stationary Double Mat Lifter at Evans Brandt Central Schools, Angola, NY. Architect: Mach Architecture, Buffalo, NY. Photography © Michael Ciurzynski, Lancaster, NY.

## 502019 Sectional Mat Lifter

- Lifting and lowering speed is approximately 10 ft. per minute.
- Supports three 15' x 45' wrestling mats (weighing approximately 1 lb./sq. ft.) with a 5-to-1 safety ratio.



Sectional Mat Lifter with Sideways Traveling Kit, Hartland (MI) High School. Architect: Kingscott Associates, Inc. Photography: Wayne Williams, Indianapolis, IN.

## Traveling Kits

Move your mat from balcony or adjoining storage area to gym floor with a TRAVELING KIT. Mat travels at ceiling height, either end first or sideways and then lowers to the floor.

- Driven by 1/2 HP motor operating with choice of 208-, 230- or 460-volts in 3-phase attached to a 60:1 ratio gear box with non-pneumatic wheel(s).
- The END FIRST TRAVEL KIT has two 1-ton machined trolleys with festooning power cables.
- SIDEWAYS TRAVEL KIT has four half-ton machined trolleys with festooning power cables.
- Motors, drive assembly and all control mechanisms are encased in a fireproof cover.