

Standard-Duty Manual Mobile System Specifications

GENERAL SPECIFICATIONS: The mobile system utilizes carriages and track to increase storage density by compacting rows of shelving into a single aisle configuration thus converting fixed aisles into storage space thereby greater storage density and capacity is gained. Rows of shelving on a carriage are quickly and easily moved to allow access to a desired row.

STANDARD-DUTY MANUAL CARRIAGES: Non-welded, unitized carriage frames of 6063-T5 2" x 1.5" aluminum angles, galvanized steel corner and center plates and rubber bumpers joined by self-tapping 10-32 x 1-1/2" screws to 6063-T5 1-7/8" x 1-1/4" aluminum channels with channel screw embossments incorporated. Carriage wheels, mounted on oil-impregnated bronze bushings over precision machined steel axles, are installed in each corner, are 1-1/2" diameter, permanently lubricated and sealed ball bearing case-hardened steel races with Rockwell C hardness of 57-58 are designed to match the steel running surfaces in the track.

CARRIAGE DIMENSIONS: Storage unit dimensions plus 1/4".

CARRIAGE CAPACITY: Standard-Duty Manual is 3,000 lbs. per carriage.

V-GROOVE TRACK: Standard track for Standard-Duty Manual systems. Made from extruded 6063-T5 aluminum with hardened, blued steel running surfaces rolled in to form "V" shaped running grooves. This track is ADA compliant, and compatible with the In-Track Anti-Tip and Posi-Lock Track Systems. The track is 2.7" wide and .5" tall.

TRACK END STOPS: Standard track end stop is 1" diameter rubber cushion reinforced with an internal steel washer. End stop attached at each end of track run through pre-drilled factory hole with Hilti II 1/4" x 3-1/4" anchor. The end stop is painted yellow for safety recognition.

IN-TRACK ANTI-TIP OPTION: (Recommended when carriage/shelving height-to-depth ratio exceeds 4:1 or in Seismic risk areas.) Steel anti-tip arms (attached to the inside of the carriage) travel in the track anti-tip rail as the carriage is moved along the track. By design, the anti-tip is riding in exact relationship to the wheel axles, always allowing the anti-tip to float free of drag or binding as it moves along the track. Installed, the track is anchored to the floor with Hilti TZ anchors, and the shelving is secured to the carriage. Can be employed on carriages up to 12' in length. The anti tip track is available in standard or ADA compliant profile. The track is 5.8" wide and 0.5" (or 0.6" for standard) high.

SYSTEM HEIGHT: Standard-Duty Carriage Systems equal the sum of 2-3/4" for carriage and track plus height of storage units.

COLOR: Silver Aluminum with Galvanized (Carriage Corner & Center Plates) is standard.