

Series 700 Specifications

MOBILE SYSTEM - Mobile Storage system shall consist of multi-wheeled carriages riding on tracks anchored directly to a standard floor.

CARRIAGES – Carriages shall be custom built to storage unit dimension and configuration. Carriages shall be constructed utilizing 6063-T5 aluminum alloy rails. Rail shall be 2" x 2" x 1/8" extruded alum angle. Corner assembly shall support a 2-3/4" concave, hardened steel wheel with a 1-5/8" x 1/2" hardened steel, lubricated and sealed ball bearing on a 1/2" diam. steel axle.

CARRIAGE TRACK – Track shall conform to minor floor irregularities without external support and anchor directly to existing floor with minimal floor preparation. The system must function properly without shimming or leveling at floor variances of 1/8" in 5 inches.

Should floor vary more than 1/8" in 5 inches, a provision shall be made for shimming with aluminum or steel shims.

Track shall be extruded from 6063-T5 aluminum with two hardened steel inserts to provide a wear resistance running surface for carriage wheels. The steel inserts shall consist of 1/4" diam. Rods oil tempered, medium bessimer, straightened and cut.

Steel inserts shall be installed in the aluminum extrusion at the factory, to provide a low rolling resistance to carriage wheels.

HEIGHT – The carriage tracks shall not exceed 3/4 inches in height. Carriages shall not exceed 3-1/8" height. Furthermore, when carriages are resting on carriage tracks, the bases of the storage units shall not be more 3-1/2" from the floor.

WEIGHT CAPACITIES – Each individual wheel assembly shall be capable of supporting 1,000 pounds of load.

EFFORT OF MOVEMENT – Carriages shall move easily, requiring 5 pounds of user effort for every 1,500 pounds of storage load to move.