

Proceedings of the 5th Annual World Conference
of the Society for Industrial and Systems Engineering,
San Francisco, CA, USA
October 13-14, 2016

Grip Force Needs When Riding Railroad Freight Cars While Stopping

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Author Note: Many thanks are extended to John Vanderpool who assisted our technical efforts and to the men and women of the Union Pacific Railroad who made our study possible.

Abstract: Clinical and functional grip force or strength capabilities have been measured and assessed under various conditions. And the manner in which grip forces are assessed have been standardized to a large extent. The hand forces needed to perform a particular job task, on the other hand, are very task specific. This study investigates the hand forces needed to ride railroad freight cars while the freight cars are coming to a stop. This study then investigates how these measured hand forces compare to clinical and functional grip strength capabilities of the general population.

Keywords: Grip, Hand, Railroad