

TS GROUP (ONTARIO)
PRODUCT SPECIFICATION
MODEL 59000
DS. HORIZONTAL RAIL

GENERAL SPECIFICATIONS

RATED LOAD CAPACITY (WORKERS)	MAX. TWO (2) BETWEEN ANY TWO SUPPORTS
MAX. SPACING BETWEEN SUPPORTS	EIGHTEEN (18) FEET (5.5m)
WEIGHT PER FOOT	3.151lbs (1.43kg)
FINISH	MIL FINISH ALUMINUM
OPTIONAL FINISH	CLEAR COAT ANODIZED

MATERIAL AND CONSTRUCTION

GENERAL CONSTRUCTION	ALUMINUM ALLOY
TENSILE STRENGTH	MIN. 38,000 PSI
CONSTRUCTION	EXTRUDED TEMPERED ALUMINUM ALLOY
APPROX. DIMENSIONS	2-5/8" WIDE BY 2" DEEP
SPLICE BRACKETS	CUSTOM EXTRUDED ALUMINUM ALLOY OR CUSTOM MACHINED HSS STEEL, PLATED OR POWDER COAT PAINTED
SUPPORT BRACKETS	CUSTOM EXTRUDED ALUMINUM ALLOY OR CUSTOM MACHINED HSS STEEL, PLATED OR POWDER COAT PAINTED
SPLICE & SUPPORT BOLTS	STAINLESS STEEL AND OR GR. 8 FASTENERS.
SUPPORT BRACKET SPACING	MAXIMUM EIGHTEEN (18) FEET
ALIGNMENT BARS	CUSTOM EXTRUDED ALUMINUM ALLOY OR CUSTOM MACHINED HSS STEEL, PLATED OR PAINTED

NOTE: ALL FASTENERS ARE TO BE TREATED WITH A LOCKTITE^{7@} 262 MAXIMUM STRENGTH THREAD LOCKER.

APPLICATION REQUIREMENTS

- MODEL 59000 IS DESIGNED FOR USE IN PERMANENT INSTALLATIONS. THE RAIL HAS BEEN DESIGNED TO SUSTAIN A LOAD OF 5000lbs AT ANY ANGLE.
- THE RAIL HAS BEEN DESIGNED TO BE MOUNTED HORIZONTALLY OVERHEAD OR ON IT=S SIDE.
- TOOLS REQUIRED FOR INSTALLATION OF SPLICE PLATES: 5/32" ALLEN WRENCH.
- TOOLS REQUIRED FOR INSTALLATION OF ALIGNMENT BARS: 5/32" ALLEN WRENCH.
- TOOLS REQUIRED FOR INSTALLATION OF SUPPORT BRACKETS: 9/16" AND 3/4" WRENCHES AND TORQUE WRENCH.

GENERAL INFORMATION

The 59000 Horizontal rail must only be used with the TSG 25200 or 25210 Trolley. Workers must use a full body harness and an energy absorbing lanyard or an appropriate self retracting lifeline (MAF 900lbs). The rail should only be used by qualified competent and trained workers. Should a fall occur and the worker is injured or unable to perform a self rescue, the rail may be used by rescuers to perform the rescue. The TSG Trolley moves freely back and forth along the TSG rail system, and follows the worker with little resistance. Each installation **MUST BE** approved to local standards and or regulations by a qualified engineer.

It is the responsibility of the owner of the system to ensure that proper procedures are established and that proper training is given to every worker that may use the system.

The TSG 59000 Rail is made of resilient aluminum alloy to stand up to the toughest of environmental conditions.