

TS GROUP (ONTARIO)

PRODUCT SPECIFICATION

MODEL 55000 VERTICAL ALUMINUM RAIL

GENERAL SPECIFICATIONS

RATED LOAD CAPACITY (WORKERS)	ONE (1) WORKER PER TEN (10) FOOT SPAN (3.048m)
MAX. SPACING BETWEEN SUPPORTS	SIX (6) FEET (1.83m)
WEIGHT PER FOOT	1.131lbs (.514kg)
FINISH	MIL FINISH ALUMINUM
OPTIONAL FINISH	CLEAR COAT ANODIZED
OPTIONAL SECONDARY ARRESTING FEATURE	RAIL IS PROTRUSION PUNCHED EVERY SIX (6) INCHES

MATERIAL AND CONSTRUCTION

GENERAL CONSTRUCTION	CUSTOM EXTRUDED ALUMINUM ALLOY
TENSILE STRENGTH	MIN. 38,000 PSI
APPROX. DIMENSIONS	2-3/16" WIDE BY 1-7/16" DEEP
SPLICE BRACKETS	CUSTOM EXTRUDED ALUMINUM ALLOY
ALIGNMENT BARS	CUSTOM EXTRUDED ALUMINUM ALLOY
SUPPORT BRACKETS	DIE FORMED OF C-1020 HRS, HDG TO ASTM-A-153, OR DIE FORMED OF 304 STAINLESS STEEL
TENSILE STRENGTH:	APPROXIMATELY 65,000 PSI
SUPPORT BRACKET SPACING	MAXIMUM SIX (6) FEET
SPLICE & SUPPORT BOLTS	GR. 5 FASTENERS HDG. AND OR STAINLESS STEEL

APPLICATION REQUIREMENTS

- MODEL 55000 IS DESIGNED FOR USE IN PERMANENT INSTALLATIONS. THE RAIL HAS BEEN DESIGNED TO SUSTAIN A LOAD OF 5000lbs. WHEN USED IN CONJUNCTION WITH A TSG 25000L, 25100L OR 25700L FALL ARRESTER (TROLLEY) THE SYSTEM IS CERTIFIED TO CSA Z259.2.1-1998 CLASS AAS@ AND MEETS OSHA REGULATION (1910.27) AND ANSI REGULATION A14.3-1984.
- THE RAIL CAN BE ROLL FORMED TO A FIVE (5) FOOT RADIUS (CUSTOM FALL ARRESTER IS REQUIRED) BOTH CONCAVE AND CONVEX.
- THE RAIL HAS BEEN DESIGNED TO BE MOUNTED BOTH VERTICALLY AND HORIZONTALLY.

VERTICAL INSTALLATION:

- TOOLS REQUIRED TO INSTALL THE SUPPORT CLAMPS AND OR THE SPLICE BRACKETS: 9/16" WRENCHES AND TORQUE WRENCH.
- TORQUE 3/8"-16 BOLT ASSEMBLIES DRY NO LUBRICANTS TO 45FT.LBS..

HORIZONTAL INSTALLATION:

- TOOLS REQUIRED TO INSTALL THE SUPPORT CLAMPS AND OR THE SPLICE BRACKETS: 9/16" WRENCHES AND TORQUE WRENCH.
- TORQUE 3/8"-16 BOLT ASSEMBLIES DRY NO LUBRICANTS TO 45FT.LBS..
- TOOLS REQUIRED FOR INSTALLATION OF ALIGNMENT BARS: 7/16" WRENCH. HAND TIGHTEN SET SCREWS TO SECURE ALIGNMENT BARS. **DO NOT OVER TIGHTEN.**

GENERAL INFORMATION

The 55000 Vertical rail should only be used with the TSG 25000L, 25100L or 25700L Fall arrester (Trolley) and a full body harness equipped with a >L= Dee ring for attachment to the trolley. The worker should also be equipped with an energy absorbing lanyard so that in the event that the worker must leave the rail system the worker may maintain 100% fall protection. 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 along the TSG rail system and follows the worker with little resistance.

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 55000 Rail is made of resilient aluminum alloy and is clear coat anodized to stand up to the toughest of environmental conditions.