

TS GROUP (ONTARIO)

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TSG HORIZONTAL RIGID RAIL P/N# 55900

Application

The TS Group (TSG) 55900 Horizontal Rigid Rail system is a permanent static fall arrest system that is fastened to approved anchorage points to provide workers fall protection during Horizontal movement. Applications include buildings, bridges, rail cars, trucks, cranes, towers, stages, storage tanks and any other elevated work station.

Inspection

- 1) The TSG Rigid Rail system must be inspected by a competent qualified and trained person other than the user at an interval of no more than one year. Detailed inspections must be recorded on an inspection checklist and kept in a location that may be readily available to safety officers and other persons that may require the inspection information.
- 2) When an inspection reveals defects, damage or inadequate maintenance of the system, the system will be taken out of service and tagged >DO NOT USE= until the components affected have been repaired and or replaced in accordance with manufacturers specifications and or with the approval of a competent and qualified person.
- 3) Remove the system from service if:
 - the system has been subjected to a fall arresting force.
 - there is evidence of improper function of the system.
 - there is evidence of alteration of any components of the system.
 - there is evidence of excessive wear, damage, or missing components.
 - there is no energy absorbing device being used with the system horizontal trolley.

Inspection Guidelines

- inspect all hardware elements for deformation, cracks, sharp edges, corrosion, chemical damage or excessive wear.
- inspect all mounting bolts and ensure that all fasteners have not loosened off.
- inspect all entry / exit points of the system to ensure that the rail stops are installed and in proper working order.
- inspect entire length of rail to ensure that there is no damage of any sort to the rail.
- inspect entire length of rail to ensure that the portion that the trolley operates on has no obstructions and that the splice points are properly aligned.
- inspect trolley in accordance with instruction for trolley.
- inspect the energy-absorbing device attached to the trolley in accordance with the manufacturers inspection instructions for the energy absorbing device.

Maintenance

- 1) In the event that the users identify a possibility of dirt, grease or other build up on the rail that may be effecting the travel of the trolley on the rail, the rail may be cleaned with a cleaning solution (check with manufacturer of cleaning product before using on system) that does not degrade aluminum alloy or Delrin. The rail may be cleaned with a high pressure washing system, but avoid using any cleaning products that may leave a residue for future dirt to adhere to.
- 2) Do not paint the rail.
- 3) Do not use any lubricants on the rail system.

TSG 55900 HORIZONTAL RIGID RAIL

Design Statements

- 1) The TSG 55900 Horizontal Rigid rail fall arrest system must only be used by trained, competent and qualified workers, and the workers should follow any and all applicable government regulation and or standards.
- 2) The rail is only to be used for fall protection of workers. Do not use the rail system for any other purpose.
- 3) The TSG 55900 Horizontal Rigid rail must only be used in conjunction with 25200 or 25210 TSG trolleys, and the trolleys must be used with a 1350lb maximum arrest force energy limiting device at all times.
- 4) Remove the TSG 55900 Horizontal Rigid rail system from service immediately if the system has sustained a fall arresting force, and the system should be tagged immediately **>DO NOT USE=**. All the components of the system should be left in place until the safety committee and or the applicable government investigation committee has inspected the site. The system may only be put back into service after the system has been inspected by a competent and qualified person and the person certifies that the system may be put back into service.
- 5) A full body harness used in conjunction with a personal shock absorber (shock absorbing lanyard or appropriate self retracting lifeline) must be used by every worker when using the system.
- 6) The maximum number of workers that may use the system at one time between any two (2) support points on the rail system is one (1) workers.
- 7) The anchorage points to which the rail is attached must be capable of sustaining a load of 5,000lbs, unless stated otherwise specific to the system installation.
- 8) Each installation **MUST BE** approved to local standards by a qualified engineer.
- 9) Total fixed lanyard length must not exceed 6ft, and the worker should consider all government or any other applicable regulations and or standards.
- 10) Installation of the TSG 55900 Horizontal rail should be given extra consideration with regard to environmental hazards in the area, such as electrical, water, steam, heat, moving equipment or other substances that may be injurious to a worker.
- 11) Do not allow components used in conjunction with the rail system to come in contact with sharp or abrasive surfaces that may cause damage to the components should they come in contact with them.
- 12) In the event that a fall does occur and the worker can not perform a self rescue, emergency assistance must be provided immediately. The emergency assistance rescuers may attach a trolley to the rail system for their protection and perform the rescue of the injured worker. It is the responsibility of the owner of the system to devise a rescue method that allows for the effective rescue of an incapacitated worker in a safe manner. An emergency rescue plan must be on hand whenever the system is in use.
- 13) The minimum clearance required below the rail system must be considered by the author of the written procedure that must accompany the system before workers are allowed to use the system. All workers that use the system must be trained on the procedures. It is the responsibility of the author of the procedure to select the appropriate connecting device (energy-absorbing lanyard, self retracting lifeline) to be used in conjunction with the rail system.

NOTE: Workers must follow all company rules and regulations, and all government or regulatory rules that may govern the work environment that the workers are engaged in.

The TS Group (Ontario) Safety Rail system must only be used by trained competent and qualified workers. These instructions are only to be used as a guideline and are not to be interpreted in any way as a form of work procedures or as a training manual. 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.

Warranty limitations:

TS Group (Ontario) warrants to the buyer that any new equipment is free from defects in material and workmanship. This warranty is only effective as to any new equipment which has not been altered, changed, repaired or modified without TS Group (Ontario) authority and should not be performed by any persons other than TS Group (Ontario). This warranty does not cover any abuse or damage caused to the equipment after its shipment from the TS Group (Ontario). It does not apply to any tools, attachments, accessories or any other parts sold or operated with TS Group (Ontario) equipment if they have not been manufactured by TS Group (Ontario) themselves.

TS Group (Ontario) shall only be liable for defects in the materials or workmanship attributed to faulty material or bad workmanship that can be proved by the buyer. It specifically excludes liability for repairs arising as a result of normal wear and tear of any new equipment or in any manner whatsoever and without limiting the generality of the foregoing, excludes application or installation of parts not completed in accordance with TS Group (Ontario) operator=s manual, specifications or printed instructions.

Notice shall be given to TS Group (Ontario) immediately upon discovery of any manufacturer=s defects. The equipment in this case shall be taken out of service and returned to the TS Group (Ontario) factory at once. TS Group (Ontario) reserves the right to withhold warranty on any equipment return pending TS Group (Ontario) factory personnel=s inspection.

This warranty shall expire one (1) year after the date of delivery of any new equipment.

This warranty extends only to the original owner of any new equipment.

This warranty is limited to the terms stated herein and is in lieu of any other warranties whether expressed or implied and without limiting the generality of the foregoing, excluding all warranties, expressed or implied or conditions whether statutory or otherwise as to the quality and fitness for any purpose of the new equipment. TS Group (Ontario) disclaims all liability for incidental or consequential damages.

INSPECTION AND MAINTENANCE LOG

SERIAL NUMBER: _____

MODEL NUMBER: _____

DATE PURCHASED: _____

| INSPECTION DATE | INSPECTION ITEMS NOTED | CORRECTIVE ACTION | MAINTENANCE PERFORMED |
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