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TSG VERTICAL FALL ARRESTER P/N# 25000L

Application

The TS Group (TSG) 25000L Vertical Rigid Rail Fall Arrester (FA) is only to be used on TSG Vertical rigid rail systems. Applications include amusement parks, buildings, bridges, billboards, construction cranes, ladders, towers, stages, water and sewage storage tanks, and any other elevated work station.

WARNING

Never use the 25000L FA on 57800 Series Stainless Steel Rail as this could result in serious injury or death. Extreme caution must be exercised to ensure that the FA is always placed on the rail system with the arrows pointing in the up position. The FA should always be tested on the rail to ensure that the braking action is in the proper direction before the worker attaches to the FA. The use of the 25000L FA installed on the rail system upside down could result in serious injury or death. The labeling (arrows) on the FA indicates the upward direction that the FA is to be used on the Vertical rail system.

Inspection

- 1) The TSG 25000L FA must be inspected by a competent and qualified 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 FA, the FA will be taken out of service and tagged >DO NOT USE= until the components affected have been repaired or replaced in accordance with manufacturers specifications or with the approval of a competent and qualified person.
- 3) Remove the trolley from service if:
 - the FA has been subjected to a fall arresting force.
 - there is evidence of improper function of the breaking pawl.
 - there is evidence of improper function of the inversion lockout device.
 - there is evidence of improper function of the double locking snap hook.
 - there is evidence of improper function of the FA wheels.
 - there is evidence of alteration of any components on the FA.
 - there is evidence of excessive wear, damage, or missing components.

Inspection Guidelines

- inspect all hardware elements for deformation, cracks, sharp edges, corrosion, chemical damage or excessive wear.
- inspect all shoulder screws (bolts) and ensure that all fasteners have not loosened off.
- inspect the Double locking swivel snap hook for signs of damage.
- inspect entire length of the FA for any signs of cracking or breaking.
- inspect the center drive pin to ensure that it has not retreated out either side of the FA, and ensure that there is no other apparent sign of damage to the pin.
- inspect the extension spring to ensure that it has not been damaged in any way, and ensure that the spring is attached to the FA body and to the breaking pawl.

Maintenance

- 1) In the event that the users identify a possibility of dirt, grease or other build up on the Fall Arrester that may be effecting the travel of the Fall Arrester on the rail, the Fall Arrester may be cleaned with a cleaning solution (check with manufacturer of cleaning product before using on Fall Arrester) that does not degrade aluminum alloy or Delrin. If cleaning solutions are used be sure to flush the solutions from the Fall Arrester and avoid using any cleaning products that may leave a residue for future dirt to adhere to.
- 2) Do not paint the Fall Arrester.
- 3) Do not use any lubricants on the Fall Arrester.

Should replacement or repair components be needed contact TS Group (Ontario) or one of the Authorized Distributors of TSG products for the components.

TSG 25000L VERTICAL FALL ARRESTER (TROLLEY)

Design Statements

- 1) The TSG 25000L Vertical Fall Arrester must only be used by competent qualified and trained workers, and the workers should follow any and all applicable government regulation and or standards.
- 2) The Fall Arrester is only to be used for fall protection of workers. Do not use the Fall Arrester for any other purpose.
- 3) The 25000L TSG Fall Arrester must only be used in conjunction with series 55000 TSG Aluminum Vertical Rigid rail.
- 4) Remove the 25000L TSG Fall Arrester from service immediately if the Fall Arrester has sustained a fall arresting force. The Fall Arrester and the entire 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 25000L TSG Fall Arrester and the rail 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 Fall Arrester and the system may be put back into service.
- 5) A full body harness should be worn by every worker that uses the system, in accordance with any and all applicable government regulation and or standards. The worker should also be equipped with a personal shock absorbing lanyard that may be used by the worker should they have reason to leave the rail system, and have any exposure to a fall hazard. Total lanyard length must be appropriate for the work situation, and the worker should consider all government or any other applicable regulations and or standards.
- 6) The maximum number of workers that may use a single Fall Arrester at one time is one (1).
- 7) Do not allow components used in conjunction with the Fall Arrester and 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.
- 8) 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 an additional Fall Arrester 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.
- 9) It is the responsibility of the owner of the system to ensure that a written procedures manual be developed for the rail system, and to ensure that every worker that may use the system is fully trained in accordance with the procedures manual.
- 10) All workers that use the system must be trained on the procedures.

OPERATING INSTRUCTIONS

Design Working Capacities: ONE PERSON: Designed working load is 300lbs.(136kg) for individual use on TS GROUP (TSG) 55000 series aluminum alloy safety rail.

- 1) Mounting the 25000L Fall Arrester (Trolley) on the TS Group Safety Rail (SR).
 1. Ensure that the arrows on the Fall Arrester is always pointing in the upward position.
 2. From the top or bottom of the Safety Rail system slide the Fall Arrester onto the Safety Rail so that the Fall Arrester has all four wheels in contact with the Safety Rail, min.of 6" (150mm) from the end of the rail. If the Safety Rail is equipped with a Entry /Exit gate be sure that the Fall Arrester passes through the Entry / Exit gate completely before proceeding.
 3. **Test the Fall Arrester by pulling down on the snap hook to make sure that the Fall Arrester is on the Safety Rail in the correct direction and that the Fall Arrester brake pawl is properly engaging on the Safety Rail.**
- 2) Attach the double locking snap hook to the climbing DEE ring on the workers safety harness. Be sure that the snap hook closes and secures properly.
- 3) Lean slightly away from the Safety Rail to disengage the braking pawl. Then begin to climb, keeping tension on the harness while climbing or descending. **The Fall Arrester should be level with the climber=s ladder climbing Dee ring and the Fall Arrester must never be below the waist of the climber.**
- 4) The Fall Arrester engages the rail and locks when the outward tension ceases.
- 5) When the climber reaches the top of the system, before leaving the system the climber must attach their personal fall arrest device to an approved anchor point before disconnecting from the Fall Arrester or removing the Fall Arrester from the Safety Rail. When entering the system from the top the climber must ensure that they are properly secured to an approved anchor point before being exposed to a possible fall hazard area. Once the climber is properly secured then the climber may begin to mount the Fall Arrester as in the above instructions.

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 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.

