

LIGHTWEIGHT ERGONOMIC DESIGN

FALL ARREST TRACK



Member Company
www.isfp.org



Cost-effective Solutions

ISO 9001 REGISTERED

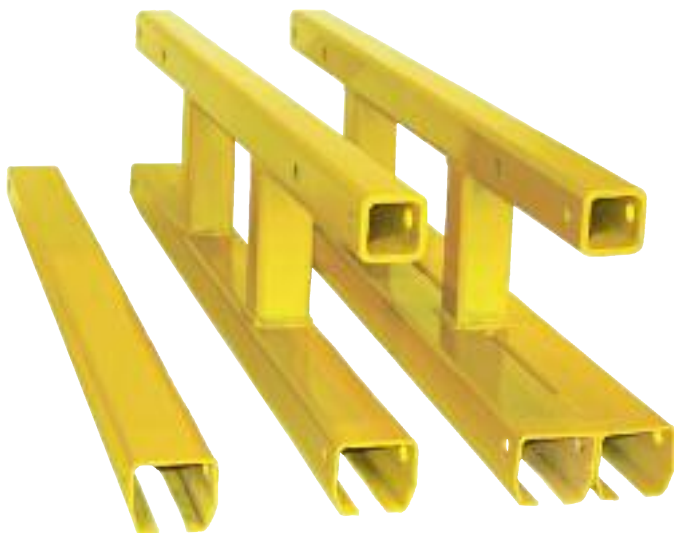
FALL ARREST TRACK

All SPANCO track, trolleys, cranes, and hangers are designed in accordance with A.N.S.I. Spec No. Z359.1-1992 and OSHA Std. 1926.502



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In 2001, workplace falls accounted for almost 22% of the \$45.8 billion costs from serious work related injuries. Fall protection shows up repeatedly on OSHA's top ten list of most frequently cited standards in 2003.

In addition to providing a safer and more productive workspace, use of fall protection systems could save industry billions each year!

SPANCO Fall Arrest track systems are a cost-effective solution to the growing need for personal fall protection in today's industry. SPANCO offers a variety of options for our Fall Arrest track to best suit your application. From one to two man systems, steel or aluminum track, plain or trussed design, we can keep your employees secure allowing them to focus on the job at hand.

FALL ARREST TRACK

All standard systems are designed for use with lanyards that limit the maximum arresting force to 900lbs.



TANKER CAR APPLICATIONS



YACHT MANUFACTURING

Wire Rope System

TOTAL FALL = INITIAL SAG + FREE FALL + ARRESTING FALL

Rigid Track System

TOTAL FALL = ARRESTING FALL

Rigid Horizontal Track System

vs.

Wire Rope System

SPANCO rigid fall arrest track systems have many distinctive advantages over traditional wire rope systems.

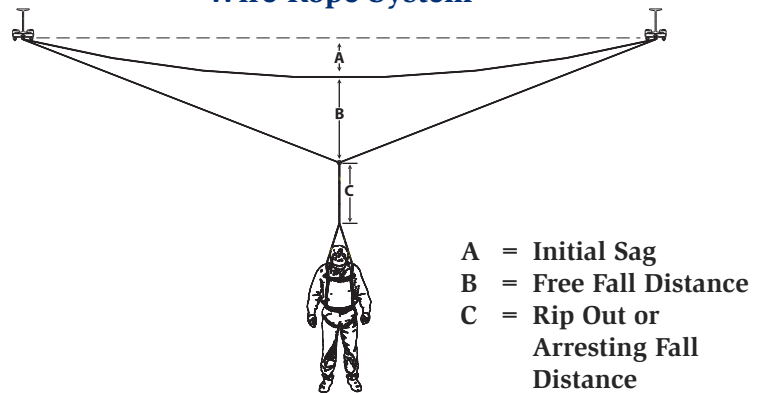
The rigid track design has less free fall distance since the stretch of the wire rope does not have to be factored into the equation. The worker can also decelerate to a complete stop in a shorter distance, which lowers the impact energy on his/her body.

Minimizing total allowable fall is the most effective method of preventing and reducing the severity of fall related injuries. Eliminating the bouncing effect of typical wire rope systems also reduces the amount and severity of secondary fall injuries.

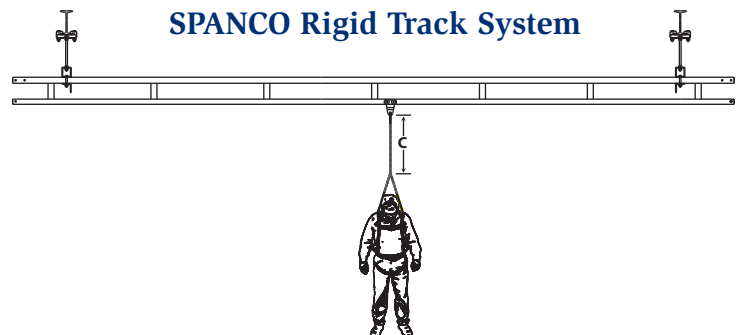
A rigid horizontal track system reduces hazard on multiple personnel systems. On a wire rope system, movement of the wire rope from one person falling may cause other workers to fall. This hazard is eliminated by the use of SPANCO track which maintains its rigidity, thereby not affecting other workers on the same system. O.S.H.A. Standard No. 1910.66 App C counsels caution when using wire rope for multiple personnel systems.

Need more headroom? SPANCO fall arrest track design also saves up to three feet of headroom since there is no necessary allowance for sag.

Wire Rope System



SPANCO Rigid Track System



Track Specifications

PERSONAL FALL ARREST Plain Track		
Track Series	Maximum Support Center (1-Man)	Maximum Support Center (2-Man)
PT500	10'-0"	8'-0"
PT600	14'-0"	10'-0"

- Enclosed track low profile keeps space requirements to a minimum.
- Profile design ensures wheel protection and accurate alignment with minimum friction.
- Minimum maintenance "self" cleaning profile.
- Curved sections of plain track and switches are available to enable travel in multiple directions.

PERSONAL FALL ARREST Trussed Track		
Track Series	Maximum Support Center (1-Man)	Maximum Support Center (2-Man)
R520	20'	-----
R525	25'	-----
R530	30'	-----
R620	-----	20'
R625	-----	25'
R630	-----	30'

- Used to span greater distance between supports.
- Combination of high strength to low weight ratio helps to reduce stress on structures.

PERSONAL FALL ARREST Dual Track	
Track Series	Maximum Support Center (2-Man)
2T510	10'
2T520	20'
2T525	25'
2T530	30'

- Used to span greater distance between supports.
- Combination of high strength to low weight ratio helps to reduce stress on structures.
- Dual track design allows two workers to pass each other in the same work area.

FALL ARREST TRACK

PLAIN TRACK



TRUSSED TRACK



DUAL TRUSSED TRACK



FALL ARREST TRACK



Self-Supporting (Freestanding) Rigid Fall Arrest Track Systems

- H-Frame Support Systems - Each frame consists of two columns with a support beam.
 - Heights and clear spans available per application.
 - Can normally be placed on standard 6" reinforced concrete floor*.
- Cantilever Support Systems - Consists of reinforced wide flange column and cantilevered beam.
 - Standard heights of 20'-0", 24'-0", and 28'-0" to accommodate rail car sidings, tank truck loading and inspection, tractor trailer tarping, and a variety of other applications.
 - Standard reach of 10'-0".
 - Custom heights and spans to suit application.
 - Requires foundation*.

* SPANCO RECOMMENDS YOU ALWAYS CONSULT A COMPETENT PROFESSIONAL TO DETERMINE FOUNDATION REQUIREMENTS.



ALU-TRACK® Fall Arrest Track Systems

- Extruded from high strength 6061-T6 aluminum alloy.
- Maintenance free.
- Suitable for installation in refrigeration areas, clean rooms, and other controlled environments.

PERSONAL FALL ARREST ALU-TRACK®		
Track Series	Maximum Support Center (1-Man)	Maximum Support Center (2-Man)
AR306	9'	4'
AR308	13'	7'
ARR308 Reinforced	20'	20'

Fall Arrest Components



Drop Hangers

Standard hanger assembly for plain track systems includes:

- Adjustable roof beam clamp providing secure fit to beam. Flange widths range from 2-1/4" to 8".
- Standard 12" hanger rod (longer as required)
- Plain track support bracket
- All systems with drop rods must be braced for sway.



Standard hanger assembly for trussed track systems includes:

- Adjustable roof beam clamp providing secure fit to beam. Flange widths range from 2-1/4" to 8".
- Standard 12" hanger rod (longer as required)
- Trussed track support bracket
- All systems with drop rods must be braced for sway.



Flush Hangers

- Flush Clamp systems do not require bracing.
- Cross Mount and Parallel Mount hanger assemblies attach plain track to support steel. Fabricated from structural plate equipped with Grade 5 bolts and beam clips.
- Depending on beam size for parallel mount hanger, a flush spacer may be required for assembly.



End Stop Bumper

- Through bolted to the track.
- Resilient rubber bumper increases impact resistance
- Standard on all systems



Splices

Splice joints connect the track sections and are supplied complete with vertical and horizontal adjustment screws, facilitating precise alignment of the track sections.

Trussed splice joints connect the top cord of the truss and link track sections for precise alignment.



Swivel Eye Trolley

- Allows more freedom of movement for operator and prevents lanyard twisting.
- All trolley wheels are equipped with sealed bearings.
- Pivoting axel protects eye bolt from stress of side loading.

FALL ARREST TRACK



DUAL TRACK



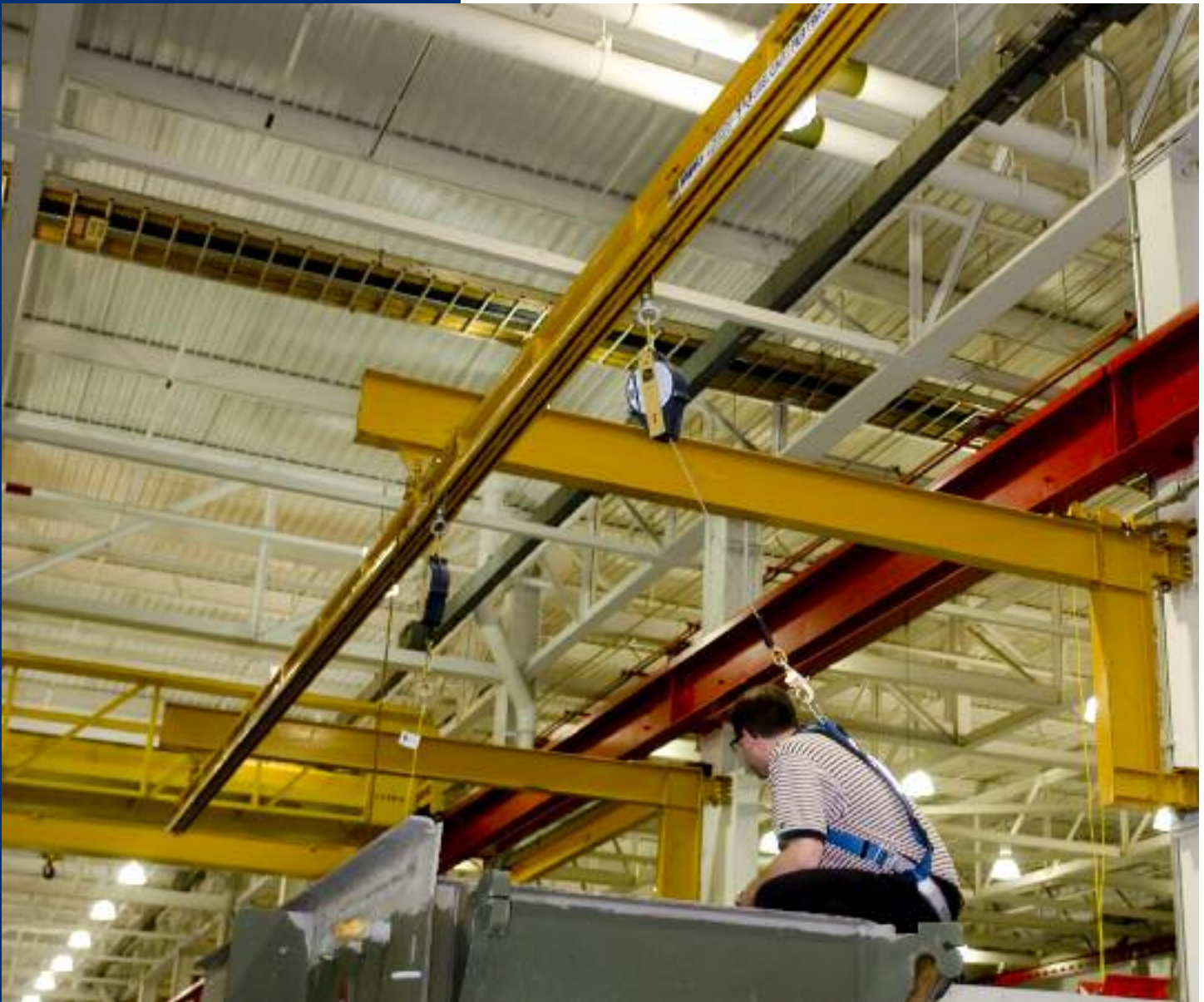
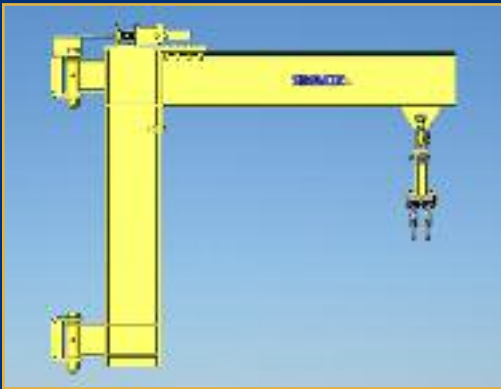
Pivoting axles protect eye bolt from stress of side loading

FALL ARREST TRACK

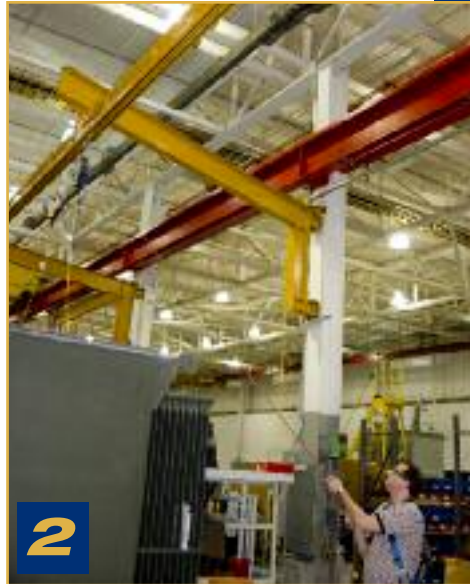
Fold-Away Fall Arrest Systems

Have you considered buying a fall protection system for your facility but could not afford to have a permanent system clogging up your valuable warehouse/manufacturing space? With the new SPANCO Fold-Away Fall Protection system, you can keep your valuable warehouse space by folding the system back against the columns while still protecting your workers.

Made with SPANCO Fall Arrest Track, these systems are designed to be rigid, lightweight, and ergonomic. The fold away fall arrest track is available in one or multiple person systems with spans to 40 feet and beyond. Standard models are available in steel or aluminum, trussed track, single or dual (2 track/2 man).



FALL ARREST TRACK



Can you afford not to protect your workers?

- Span multiple work areas.
- Attach the jib supports to existing columns.
- Easily folds away providing fall protection that will not interfere with an existing overhead crane.
- Utilizes smooth rolling ergonomic SPANCO fall arrest track for one or two person operation.
- Can optionally lock in positions for either operation or storage.

FALL ARREST TRACK

Wall Traveling Fall Arrest Systems

Provide fall protection over a wide area with the use of a SPANCO wall traveling fall arrest system.



- Span multiple work areas.
- Attach the I-beam track to existing columns.
- Easily folds away providing fall protection that will not interfere with an existing overhead crane.
- Utilizes smooth rolling ergonomic SPANCO fall arrest track for one or two person operation.
- 180° rotation with optional indexed boom lock stations.
- Optional power drive.
- Optional manual or motorized cranks providing unlimited positioning of boom.
- Inquire for custom engineered systems for unique applications

Perfect for trucking operations, steel mills, train loading or service facilities, bus manufacturing, and many other applications



STEEL MILL APPLICATIONS

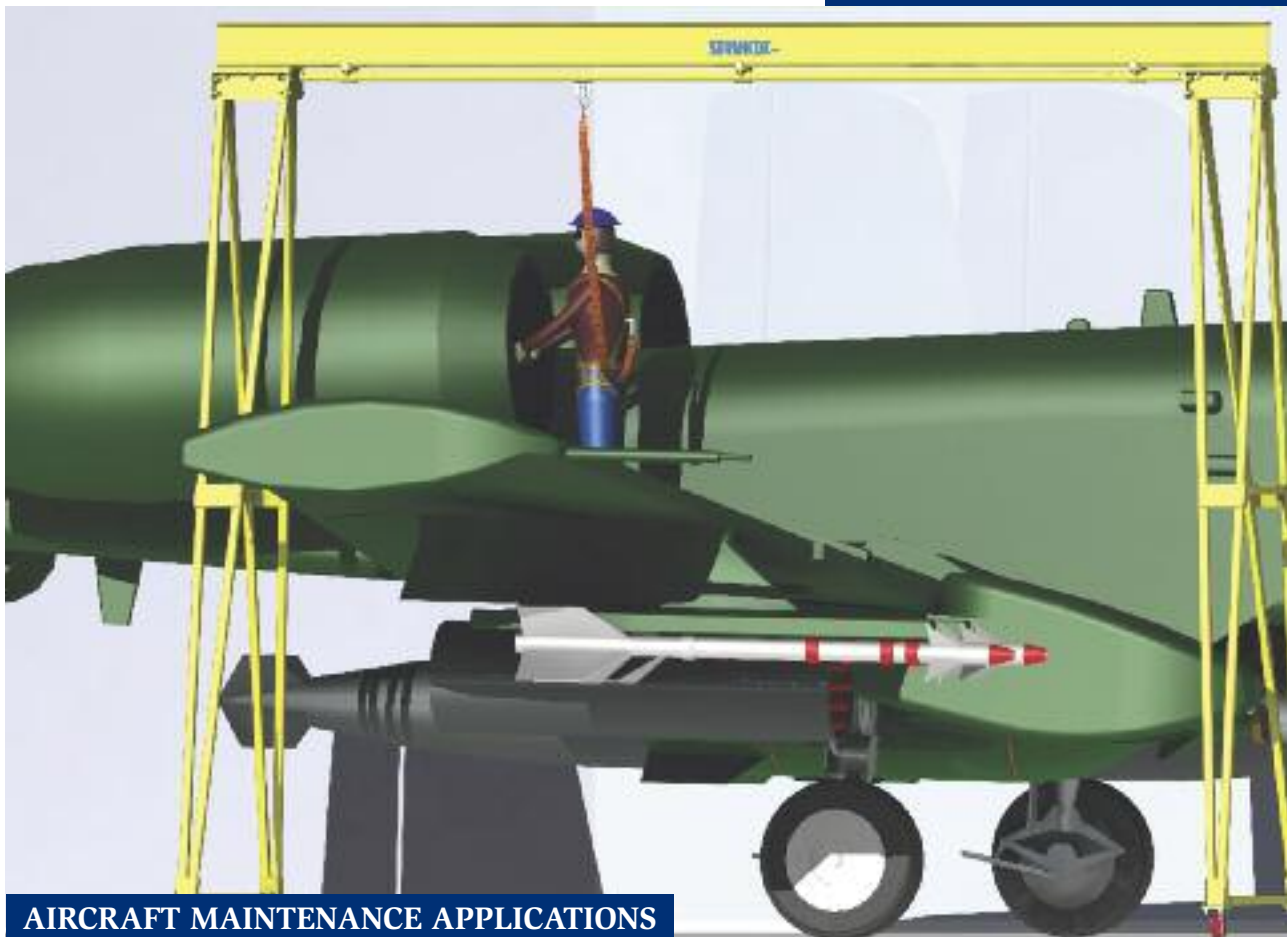
Portable Gantry Fall Arrest Systems

Team up with a SPANCO gantry to provide a fully portable fall protection system.

- Moves easily around factory or jobsite to provide fall protection without the need for overhead supports.
- Saves time and money by eliminating the need to install guarding and rails around temporary work areas.
- Simply rolls into place to provide protection and rolls out of area when finished.
- Utilizes smooth rolling ergonomic SPANCO fall arrest track for one or two person operation.



FALL ARREST TRACK



AIRCRAFT MAINTENANCE APPLICATIONS

The International Society for Fall Protection (ISFP), founded in 1988, is a member supported, nonprofit international organization whose goal is to reduce deaths and injuries from falls both on and off the job.



Member Company
www.isfp.org

To achieve this goal, the ISFP promotes fall protection education, training, and research, supports development and promotion of international standards, and provides a forum for communication and idea exchange among members and other interested parties.

We also have solutions for all of your material handling needs.



Work Station
Ceiling Mounted Bridge
Cranes



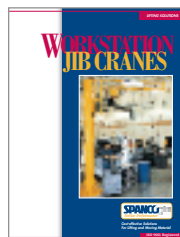
Gantry Cranes



Work Station
Stand Alone
Bridge Cranes



Jib Cranes



Work Station
Jib Cranes



Aluminum
Work Station
Bridge Cranes



To request the information or literature about any of the SPANCO product lines, contact your authorized SPANCO distributor or call SPANCO at the numbers listed below.

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