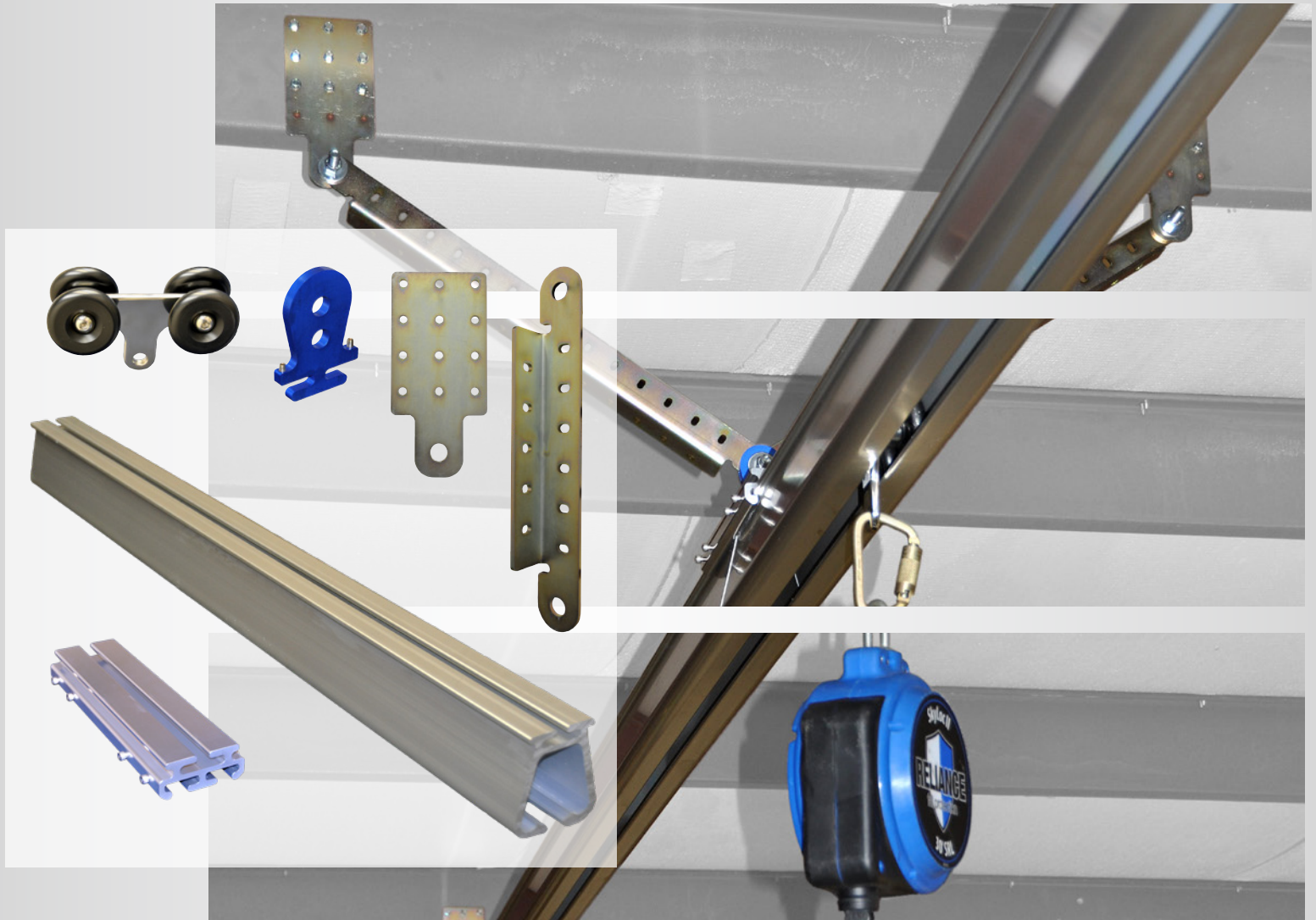


# ALUMINUM RAIL FALL ARREST SYSTEM

## ARFAS Series 17



The OPTIMUM SOLUTION for limited clearance applications

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**Falls from elevated work locations are a leading cause of injuries and fatalities in the workplace each year.** When fall hazards exist over an expanse, they can be a challenge to mitigate. Horizontal Lifeline Systems are commonly used to protect workers in these scenarios in order to provide continuous protection as they traverse the area adjacent to the hazard.

**Why choose a Rigid Rail System instead?** In many cases, Horizontal Lifeline Systems may not be effective. They often require more clearance than is available, and they always require substantial structural anchorages to support the end-loads. The **Aluminum Rail Fall Arrest System** does not substantially deflect under dynamic fall arrest loading, so the required clearances are considerably reduced. Additionally, due to the strength and rigidity of the rail segments, the dynamic loads that are transmitted to the structural anchorages are considerably less severe. When used in conjunction with our SkyLoc II SRLs, **arrest distances are less than 24"**.

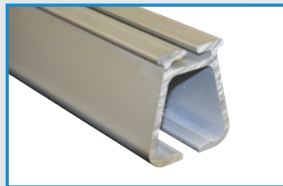
**Rigid Rail Systems are nothing new.** Traditionally they been constructed of steel, and the 'track' which contains the traversable trolley requires a complicated truss system to support it and give it strength. The **Aluminum Rail Fall Arrest System** was designed to simplify this solution to make it more affordable and to reduce the cost and complication involved with the installation of these types of systems.

## ARFAS Components

### Minimal Components, Maximum Protection.

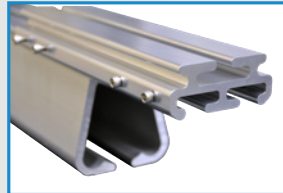
#### The Rail

Extruded from a rugged, durable aluminum alloy, the standard 5 meter (16') rail segment requires no intermediate support, and can cantilever up to 5'.



#### The Splice

Extruded from the same dependable alloy, the splice simply slides over the top of two adjacent segments and joins them together by through the tightening of 8 simple fasteners.



#### The Hangers

Constructed from the same material as The Rail and The Splice, The Hangers are installed on top of the rail segment at or adjacent to each end at each splice location. All that is required is a simple twist of the wrist and the tightening of two set screws.



#### The Adapter Brackets

Connects the ARFAS to the overhead structure at each required hanger location. Available in a variety of configurations to accommodate a wide array of structures.



#### The Trolley

Forged from Stainless Steel and featuring UHMW wheels and sealed bearings. The oblique orientation of the wheels allows the trolley to run true, even when travelling parallel to, but directly beneath the rail.



## Advantages

### Aluminum Rigid Rail System

- Overhead anchorages coupled with the Reliance SkyLoc II SRL means arrest distances less than 24"
- Requires less clearance and structural strength than HLL systems
- Ideal for permanent installation indoors or out in virtually any environment
- Allows safe access over a broad area adjacent to fall hazards
- Easily adapted to virtually any building or overhead structure

Our **First Goal** was to **Keep It Simple** The Aluminum Rail Fall Arrest System (ARFAS) is comprised of tough, lightweight components which are easy to manage and assemble, and are installed using simple, common tools. In straightforward cases, owner installation is a viable option.

Our **Second Goal** was to **Make It Available** The components are simple, available, and easily adapted to a wide range of applications. In most cases, systems can be shipped in days - not weeks - and installation is a snap. With a competitive price, short lead times, and easy installation, the ARFAS makes sense in virtually any circumstance.

Our **Most Important Goal** was to **Offer the Best Protection Possible** In so many circumstances, available fall clearance is the trickiest risk factor. It's not just about the distance between the walking/working surface and the next lower level; we also must consider objects and obstructions in the fall path. In all too many cases, it is incredibly challenging to provide protection to workers who must traverse a continuous fall hazard, or a path that may have many intermittent fall hazards. **The ARFAS will allow that kind of access**, with fall clearance requirements as low as as four feet. It is the perfect solution for service bays, pipe racks, rail car access, elevated platforms and walkways, manufacturing facilities, and utilities of all types.



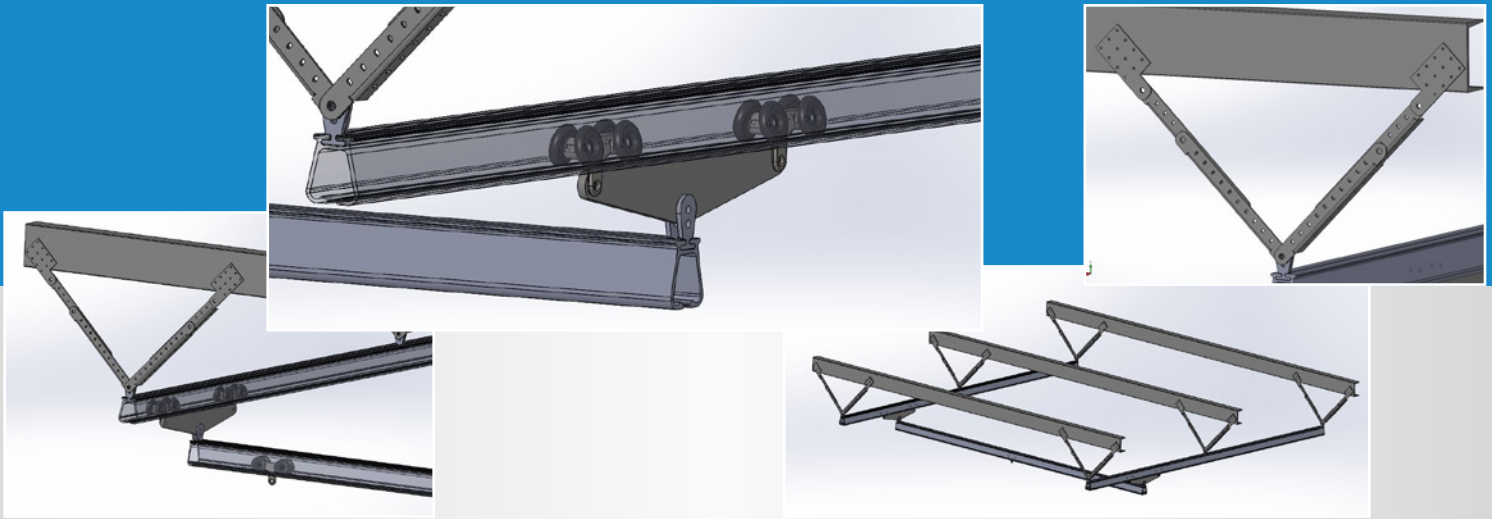
**The Aluminum Rail Fall Arrest System (ARFAS) is perfectly suited for MANY different applications :**

- *Oil & Gas Operations*
- *Manufacturing*
- *Petrochemical Plants*
- *Utilities & Water Treatment*
- *Aviation*
- *Transportation*
- *Brewing & Distilling*
- *Food Manufacturing & Packaging*



# Mounting Options.

The simplicity of the ARFAS componentry translates to a wider variety of mounting options, and a much more versatile method of mitigating fall protection challenges. Multiple rail systems can be connected to provide a high degree of fall protection coverage.



## ARFAS Components

Minimal Components, Maximum Protection.

### Reliance Aluminum Rail Fall Arrest System Components

Part Number	Description
1700100-1	5 Meter Rail Segment, Standard
1700101-1	Raill Segment, Standard, per Foot
1730100-1	Rigid Rail Trolley, Standard, Stainless
1710200-1	Rail Splice, Standard Segment
1710100-1	Rail Hanger, Standard 4-Pack
1710101-1	Hanger, Parallel Purlin Bracket
1710102-1	Hanger, I-Beam Clamp
1710103-1	Hanger, Purlin Mounting Plate
1710104-1	Hanger, Bar Joist
1710112-1	Arm, Rail Hanger, 12"
1710124-1	Arm, Rail Hanger, 24"
1710136-1	Arm, Rail Hanger, 36"
1710113-1	Hardware Kit, Fixed Hanger Arm
1710114-1	Hardware Kit, Adjust Hanger Arm