

ADJUSTASTAIRSTM

The Ultimate Replacement for Ladders & Scaffolding

 ***SafeSmart***

INTRODUCTION



WHO WE ARE

SafeSmart is a global leader in engineered access solutions, trusted by organizations operating in complex, safety-critical environments where reliability, efficiency, and worker protection are paramount. Across construction sites, industrial facilities, aviation maintenance operations, mining projects, energy infrastructure, and large-scale manufacturing environments, SafeSmart systems enable crews to move safely and efficiently between elevations while maintaining productivity and compliance.

For more than three decades, SafeSmart has partnered with contractors, engineers, and facility operators to solve access challenges that conventional ladders, scaffold, and improvised solutions often fail to address. Our portfolio spans a broad range of modular and engineered systems—from portable adjustable stair systems to fully integrated platforms and large-scale access structures—designed to support every stage of a project, from construction and commissioning to inspection, maintenance, and long-term operations.

What sets SafeSmart apart is our commitment to engineering the right solution for each environment. Every system is developed with a deep understanding of real-world site conditions, operational demands, and safety requirements. Through advanced modular design, high-strength materials, and practical field experience, SafeSmart delivers access systems that reduce risk, improve workflow, and eliminate inefficient methods of working at height.

Safe, reliable access is not optional in today's industries—it is fundamental to keeping projects moving and people protected. That is why organizations around the world rely on SafeSmart as the trusted authority in engineered access solutions.

TRUSTED BY THE PROS



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Introducing **ADJUSTASTAIRS™**

AdjustaStairs™ is SafeSmart's flagship portable stair system, engineered to provide safe, reliable access between elevations in environments where speed, flexibility, and worker safety are critical. Designed to replace unsafe ladders and eliminate the need for temporary scaffold structures, AdjustaStairs delivers a stable, self-leveling stair solution that can be deployed in minutes and adapted instantly to changing heights.

At the core of the system is a simple but highly effective concept: a single stair unit capable of automatically adjusting to multiple elevations while maintaining level treads and proper handrail protection. This allows crews to move safely between floors, decks, trenches, and platforms while carrying tools and equipment—something traditional ladders were never designed to support.

Originally developed in response to real-world jobsite challenges, AdjustaStairs quickly became one of SafeSmart's most recognized and widely used products. Today, it is trusted across construction, industrial, infrastructure, and maintenance environments around the world. Its combination of portability, strength, and adaptability has made AdjustaStairs a cornerstone of the SafeSmart product range and a leading solution for temporary multi-level access.

Summary of Benefits

- **The Safer Ladder Alternative** – allows multiple users to move between levels while carrying tools and equipment.
- **Rapid Setup** – typically installed and ready for use in approximately five minutes.
- **Self-Leveling Treads** – automatically adjust to the required height as the stair is positioned.
- **Instant Height Adjustment** – simply place the stair at the desired level and raise the handrails.
- **Minimal Installation Requirements** – once secured at the top and bottom, the stair system is ready for use without additional certification or complex setup.



Scan to View the
AdjustaStairs™
Webpage



ADJUSTASTAIRS™ are a patented SafeSmart innovation.

Developed and engineered by SafeSmart, AdjustaStairs™ represents the original adjustable stair system designed to replace unsafe ladder access. The product name, system design, and associated technologies are proprietary to SafeSmart and protected by international patent protections.

“AdjustaStairs are one of the best products on the market today. We are 100% committed to this product, and suggest everyone does the same.”

DIRECTOR OF SAFETY | THE PACIFIC COMPANIES



The Problem with Ladders

Designed for Fast, Cheap Access — Not Safety

Across construction sites, industrial facilities, infrastructure projects, and maintenance environments, ladders remain one of the most commonly used methods of accessing different elevations. Yet they introduce a number of limitations that impact both worker safety and site efficiency.

When workers must repeatedly climb ladders while carrying tools, equipment, or materials, the risks increase and productivity slows. What appears to be a simple access solution often becomes a daily operational challenge.

Where Ladders Fall Short

Safety Risk - Workers cannot maintain three points of contact while carrying tools or equipment, increasing the risk of slips and falls.

Limited Worker Flow - Ladders allow only one worker at a time, creating bottlenecks on busy job sites.

Reduced Productivity - Climbing ladders slows movement between elevations and increases fatigue during repetitive tasks.

Poor Tool Handling - Tools and materials must be hoisted separately or carried awkwardly while climbing.

Compliance Challenges - Many safety standards discourage ladder use for regular access between working levels.

Not Designed for Frequent Access - Ladders work for occasional access, but they are not designed for repeated daily movement between elevations.



COMPLIANCE & SAFETY NOTE

Did You Know?

- Each year in the United States alone:
- Over 20,000 workplace ladder injuries require emergency treatment
 - Ladder incidents are one of the leading causes of jobsite falls

Many of these incidents occur while workers are carrying tools or materials while climbing.

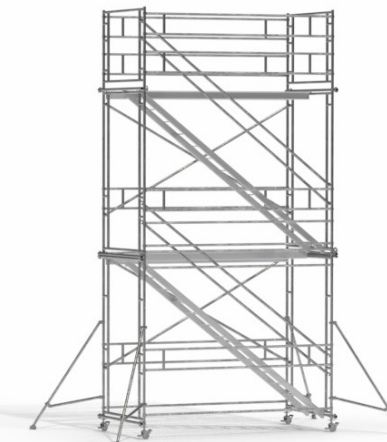
Source: OSHA / CDC workplace safety data

Why Choose ADJUSTASTAIRS™

Designed for Safe, Reusable Access - Every Day

AdjustaStairs were engineered to provide a safer, faster, and more efficient alternative to traditional ladder access. With self-leveling treads, rapid setup, and a lightweight but durable aluminum structure, AdjustaStairs allows crews to move safely between elevations while carrying tools and equipment.

Benefit	Description
Self-Leveling Design	Treads automatically level to match the working height, ensuring safe footing at any elevation.
Rapid Setup	Deploy and secure the system in minutes without complex assembly.
Improved Worker Flow	Allows multiple workers to move between levels safely while carrying tools and materials.
Portable & Lightweight	Aluminum, fold-flat construction allows easy relocation around the jobsite, with optional crane-hooks for easy lifting.
Reusable & Built to Last	Proven engineering and high-quality manufacturing ensure a long service life, allowing AdjustaStairs to be redeployed across multiple projects and job sites.



The Smarter Alternative to Ladders and Scaffold

Traditional ladders and scaffold were never designed for the speed and demands of modern worksites. AdjustaStairs delivers a safer, faster, and more efficient way for crews to move between elevations.

See how AdjustaStairs compares to traditional access methods.

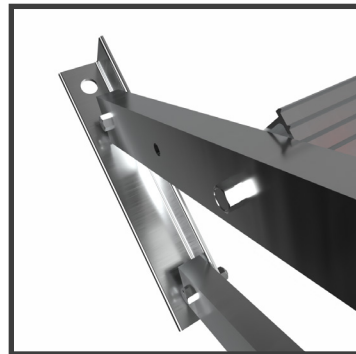
CAPABILITIES	ADJUSTASTAIRS™	SCAFFOLD	LADDERS
Safe worker access between levels	✓	✓	✗
Carry tools & equipment safely	✓	✓	✗
Multiple workers simultaneously	✓	✓	✗
Rapid setup (minutes)	✓	✗	✓
Reusable across job sites	✓	✓	✓
Self-leveling steps	✓	✗	✗
Stable stair access	✓	✓	✗
Reduces worker fatigue	✓	✓	✗
No complex assembly required	✓	✗	✓
Portable & easy to relocate	✓	✗	✓



Engineered Performance

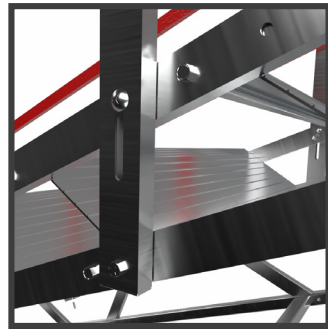
Key Features of the ADJUSTASTAIRS™

AdjustaStairs combines patented engineering with practical jobsite functionality to deliver safer access between levels. The result is a stair system that deploys quickly, adapts to changing heights, and supports efficient worker movement.



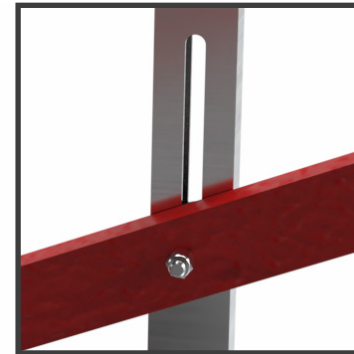
Handrail-to-Stringer Connection

Pivoting connections allow the handrails and stringers to articulate as the stair pitch changes, drawing the stringers closer at lower angles and spreading apart at steeper pitches.



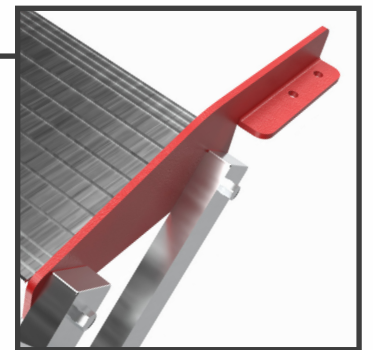
Anchoring Feet

Heavy-duty stair feet provide a stable base and allow the system to be anchored to concrete, timber, steel, or compacted ground using appropriate fasteners or ground pins.



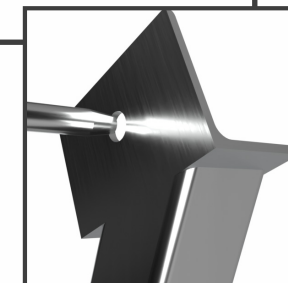
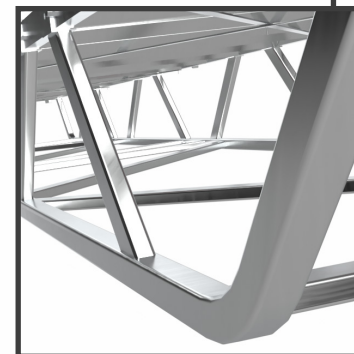
Handrail & Midrail System

Handrail and midrail assemblies pivot with the stair frame to accommodate pitch changes while maintaining continuous fall protection.



Upper Landing Fixing Points

Integrated anchor plates secure the stair to the upper landing using bolts, screws, or anchors appropriate for the surface material.

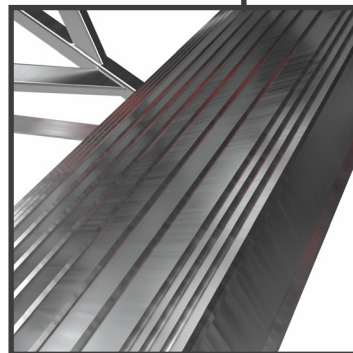


Truss-Stringer Mounting Bracket

A dedicated bracket secures the truss to the stair stringers using a bolted connection, creating a rigid structural reinforcement.

Self-Leveling Tread System

Articulating treads automatically adjust with the stair pitch to remain parallel with the ground, maintaining consistent and level footing across the full height range.



Reinforced Structural Support Truss

The bolt-on truss increases rigidity and structural support for higher load applications.

- Increases system load rating to 1,100 lbs

Scan to View the
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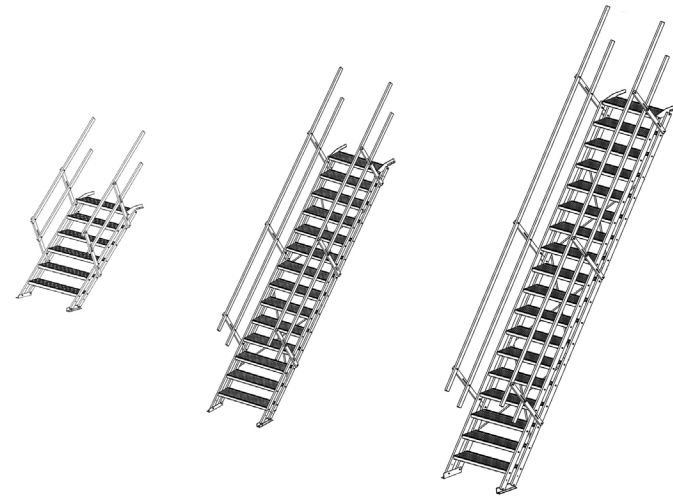


Height Ranges & Models

AdjustaStairs are available in multiple models designed to cover a wide range of access heights. The articulating stair design allows crews to quickly position the unit at the required elevation while maintaining level treads and proper handrail protection.

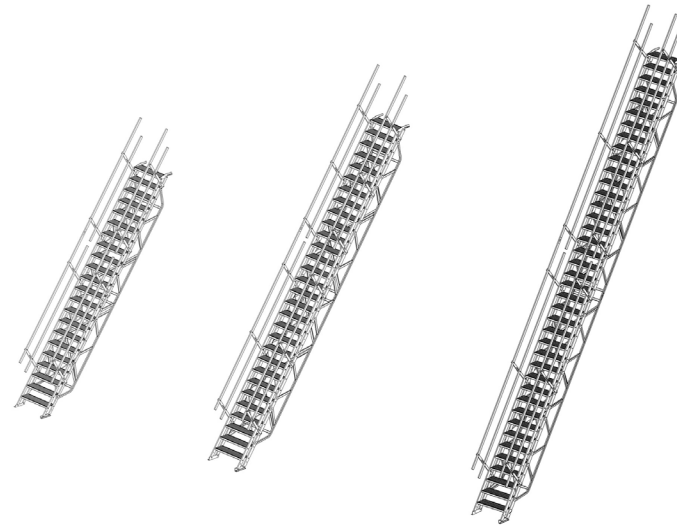
STANDARD **ADJUSTASTAIRS™** 660LB WEIGHT RATING

STANDARD MODEL	HEIGHT RANGE
4 Step AdjustaStairs™	2' - 3'
6 Step AdjustaStairs™	3' - 4' 9"
8 Step AdjustaStairs™	4' - 6' 4"
10 Step AdjustaStairs™	5' - 8'
12 Step AdjustaStairs™	6' - 9' 7"
14 Step AdjustaStairs™	7' - 11' 2"
16 Step AdjustaStairs™	8' - 12' 9"
18 Step AdjustaStairs™	9' - 14' 4"
20 Step AdjustaStairs™	10' - 16'



HIGH-ACCESS **ADJUSTASTAIRS™** WITH SUPPORT TRUSS - 1100LB WEIGHT RATING

HIGH-ACCESS MODEL	HEIGHT RANGE
22 Step AdjustaStairs™ with Support Truss	11' - 17' 2"
24 Step AdjustaStairs™ with Support Truss	12' - 19' 2"
26 Step AdjustaStairs™ with Support Truss	13' - 20' 9"
28 Step AdjustaStairs™ with Support Truss	14' - 22' 4"
30 Step AdjustaStairs™ with Support Truss	15' - 24'
32 Step AdjustaStairs™ with Support Truss	16' - 25' 7"
34 Step AdjustaStairs™ with Support Truss	17' - 27' 2"
36 Step AdjustaStairs™ with Support Truss	18' - 28' 9"
38 Step AdjustaStairs™ with Support Truss	19' - 30' 4"
40 Step AdjustaStairs™ with Support Truss	20' - 32'



Available in 24", 36", and 48" Widths

Different worksites require different access solutions. The 24" models are ideal for confined spaces and restricted access areas, while the 36" width provides a versatile option for general jobsite use. For high-traffic environments or when workers carry tools and materials between levels, the 48" models offer increased space and improved worker flow.

Accessories & Attachments

AdjustaStairs can be equipped with a range of accessories designed to expand functionality and adapt the system to different site conditions. These options allow the stairs to be configured for specific access needs while maintaining the safety, flexibility, and performance of the core system.

Crane Hooks

Crane & Mechanical Handling Attachment

Lifting lugs attach directly to the stair frame to allow safe lifting and repositioning using cranes, forklifts, or other mechanical equipment.

Key Benefits:

- Enables crane-assisted lifting and repositioning
- Ideal for large or high-access stair installations
- Reduces manual handling during relocation
- Compatible with all aluminum AdjustaStairs models



H-Brace

Structural Reinforcement Attachment

Bolt-on support designed for larger AdjustaStairs models to increase rigidity and reduce movement under load.

Key Benefits:

- Eliminates bounce or flex under heavy use
- Reinforces stair structure for increased stability
- Supports increased load capacity up to 1,100 lbs
- Quick bolt-on installation to existing stair frame



Joiner Kit

Extended Height Connection System

Allows two AdjustaStairs units to be securely connected, creating a High-Access configuration for reaching greater elevations while maintaining stable, self-leveling stair access.

Key Benefits:

- Maintains self-leveling tread performance
- Provides a stable alternative to scaffold stair towers
- Quick bolt-on installation using designated hardware



Landing Options

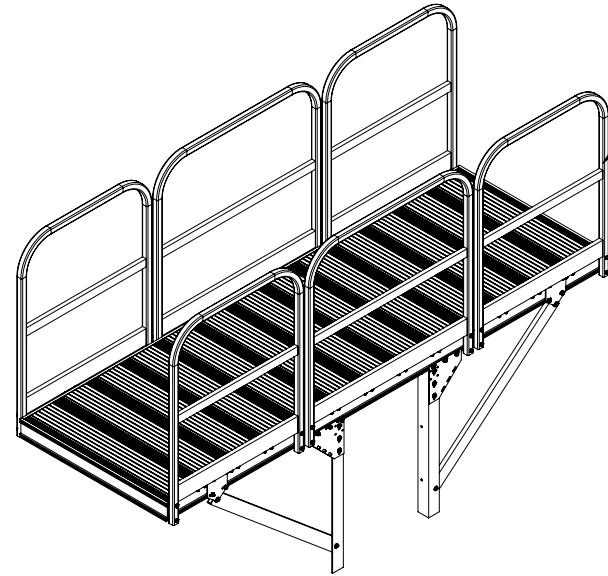
Saddle-Landings

Wall-Mounted Transition Platform

Saddle Landings allow AdjustaStairs to safely transition over walls, parapets, or other vertical barriers by providing a stable landing point where stairs can approach from one side and descend from the other.

Key Benefits:

- Provides safe transition over walls, parapets, and barriers
- Allows stair access on both sides of a structure
- Creates stable landing point for worker movement
- Eliminates unsafe climbing over obstacles
- Ideal for trenches, retaining walls, and rooftop access
- Custom fabricated to suit site conditions



Landing Options

Mid-Landings

Intermediate Rest Platform

Mid Landings allow AdjustaStairs to be configured into multi-direction layouts while providing a safe intermediate platform between elevations.

Key Benefits:

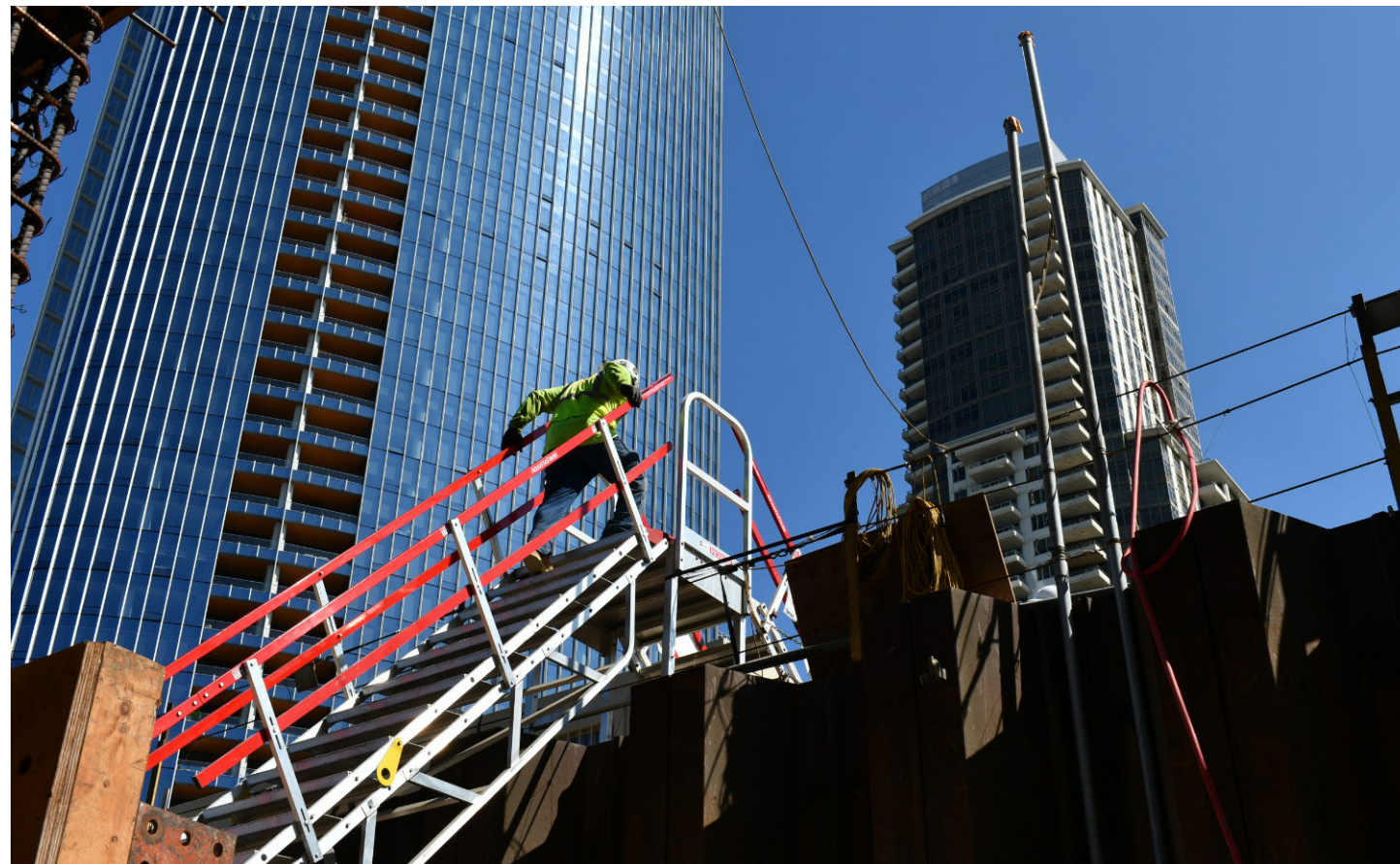
- Creates "L-shaped" or multi-direction stair layouts
- Provides intermediate resting platform for workers
- Helps address OSHA landing requirements for long stair runs
- Reduces stair run length between elevations
- Ideal for complex multi-level access points
- Custom fabricated to suit project requirements

COMPLIANCE REFERENCE

OSHA Reference:

OSHA 1926.1052 requires stair systems to include landings at intervals of vertical rise. While AdjustaStairs' articulating design may not always fall directly within this requirement, Mid Landings can be incorporated into the system to help meet these landing provisions where required.

- OSHA 1926.1052(a)(3)



How ADJUSTASTAIRS™ Work

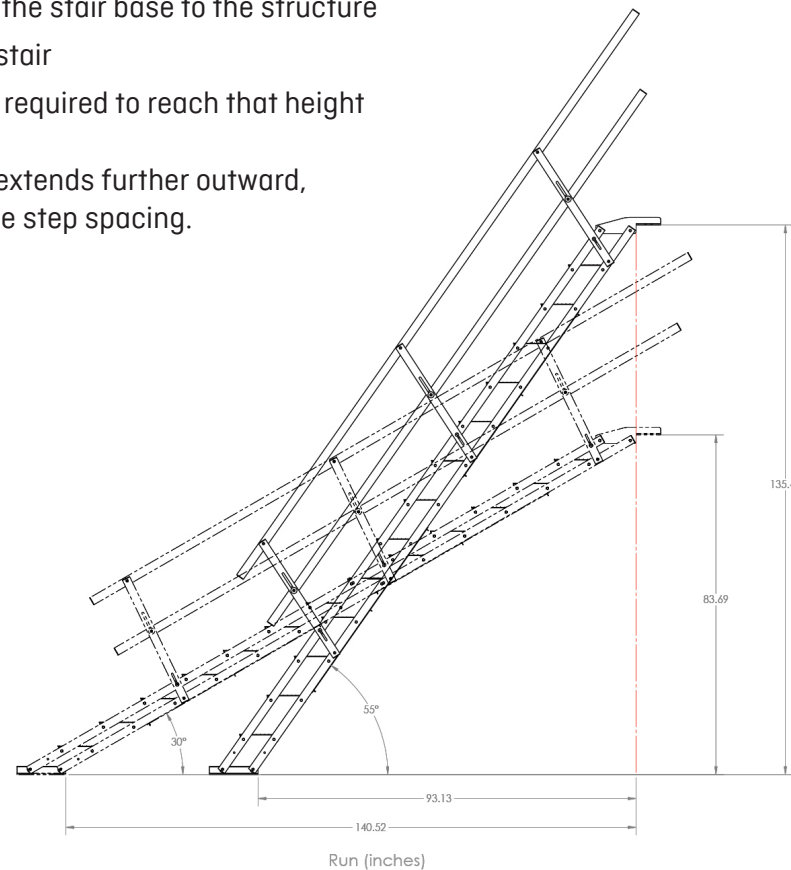
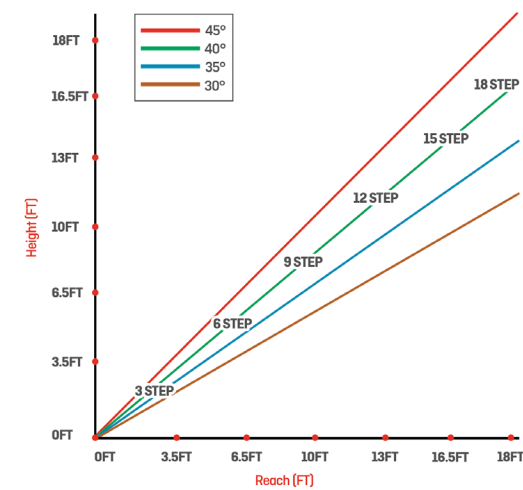
Precision Engineering & Design

AdjustaStairs use an articulating stair design that automatically changes its angle to match the height of the structure being accessed. As the stair rises or lowers, the frame pivots at the base while the treads remain level, maintaining safe and consistent footing.

The diagram illustrates the geometric relationship between:

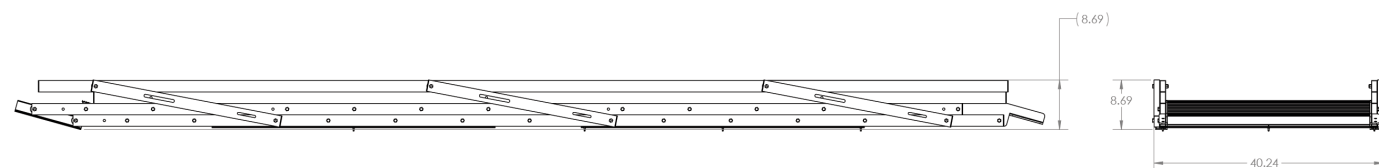
- **Vertical Height (ft)** – the elevation of the landing point
- **Horizontal Reach (ft)** – the distance from the stair base to the structure
- **Stair Angle (°)** – the working angle of the stair
- **Number of Steps** – the stair configuration required to reach that height

As the height increases, the stair naturally extends further outward, maintaining a safe working angle and stable step spacing.



Compact Folding Design for Efficient Storage & Transport

The articulating geometry that allows AdjustaStairs to reach multiple heights also enables the stair to collapse into a compact profile when fully lowered. As the stair angle decreases, the frame pivots inward and the components fold together, creating a flat configuration for easier transport and storage.



How to Install ADJUSTASTAIRS™

Fast, Secure Setup in Minutes

AdjustaStairs are designed for rapid deployment on active worksites. With minimal tools and standard fasteners, the stair system can be positioned, adjusted, and secured in just a few steps.

Installation Overview

Step 1: Position the Stair

Place the stair between the upper and lower elevations. The articulating frame allows the system to extend or retract to match the required height while the treads automatically self-level.



Step 2: Adjust the Pitch

Extend the stair until the top step sits securely against the upper landing. Step down on the bottom step. As the stair angle changes, the treads rotate to remain level with the ground.



Step 3: Secure Anchor Points

Secure both the top support and base feet using appropriate fasteners for the surface. A minimum of two fixings at the top and two at the base is required before use.



Step 4: Raise Handrails & Secure

Raise the handrail assemblies into position and secure them using the included fasteners. Once the handrails are fixed and the stair is anchored at both ends, the system is ready for safe use.



Step 5: Final Inspection

Once the stair is secured at both ends, raise the handrails and confirm all fasteners are properly installed before use. Because AdjustaStairs self-level automatically, installers simply position the stair at the required height and secure it in place—no complex assembly or adjustment is required.



FASTENER REQUIREMENTS: AdjustaStairs must be secured at both the top support and base feet prior to use.

Minimum 1/4" diameter x 2" long fasteners | Fasteners must suit the surface material | Minimum two fixings at the top and two at the base



Trusted Across Demanding Worksites

Proven Performance in Real-World Conditions

AdjustaStairs are used across construction, infrastructure, industrial, and energy projects nationwide where safe and reliable access between elevations is critical. From trench excavation and building construction to rail corridors and solar installations, crews rely on AdjustaStairs to replace ladders and simplify access on active worksites.

- **5 Minute Setup**
Rapid deployment without complex assembly.
- **Up to 90% Faster Than Scaffold Access**
Eliminate hours of scaffold stair tower assembly.
- **Up to 32 ft Access Height**
Reach elevated work areas without scaffold or outdated ladders.
- **660-1100LB Weight Rating**
Designed for demanding jobsite conditions.
- **Reusable Across Multiple Projects**
Durable aluminum construction built for a long service life.

A GROWING MOVEMENT TO REPLACE LADDERS

Over 200,000 AdjustaStairs have been deployed across jobsites nationwide, with adoption growing every day. As ladder-related falls remain a leading cause of workplace injuries, contractors are increasingly choosing safer, engineered stair access instead.

JOIN THE MOVEMENT, TODAY!

Industry Applications

Purpose-Built Solution for a Wide Range of Uses

Trench Access

Safer Access in Critical Work Zones

AdjustaStairs provide stable stair access into trenches and deep excavations where ladders are unsafe and scaffold access is impractical.

- Treads self-level to match trench angles
- Multiple stairs can be joined for deeper excavations
- Mid-landings can break up long runs
- Ideal for utility, pipeline, and foundation work



Floor-To-Floor Access

Temporary Building Access

AdjustaStairs provide safe temporary access between floors as structures rise.

- Replace ladders for primary access
- Faster setup than scaffold stair towers
- 36" models support higher foot traffic
- Easily relocated as construction progresses



Industry Applications

Purpose-Built Solution for a Wide Range of Uses

Transport Access

Rail & Vehicle Access

AdjustaStairs provide safe access for rail platforms, trucks, and transport equipment where ladders are commonly used.

- Fiberglass models available for electrical safety in rail corridors
- Extended top lip provides secure grip on truck decks
- Strut-locks allow fixed positioning where anchoring isn't possible
- Clamp options available to avoid drilling into rail platforms



Industry Applications

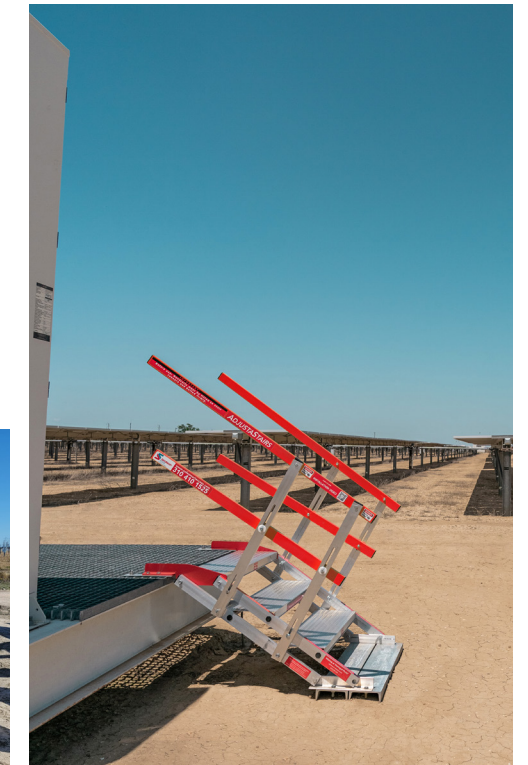
Purpose-Built Solution for a Wide Range of Uses

Solar Inverter Access

Tray & Inverter Access Made Simple

AdjustaStairs provide safe access to elevated cable trays, inverter platforms, and service points where ladders are often used.

- Self-leveling treads maintain stable footing at varying heights
- Allows technicians to carry tools and equipment safely
- Lightweight aluminum frame allows quick repositioning
- OSHA-compliant stair access with integrated handrails



Slope Access

Uneven Terrain & Batters

AdjustaStairs adapt to sloped ground conditions while maintaining level treads and consistent footing.

- Stair frame articulates to follow terrain
- Treads remain level on slopes
- Safer alternative to ladders on batters
- Ideal for civil works and earthmoving

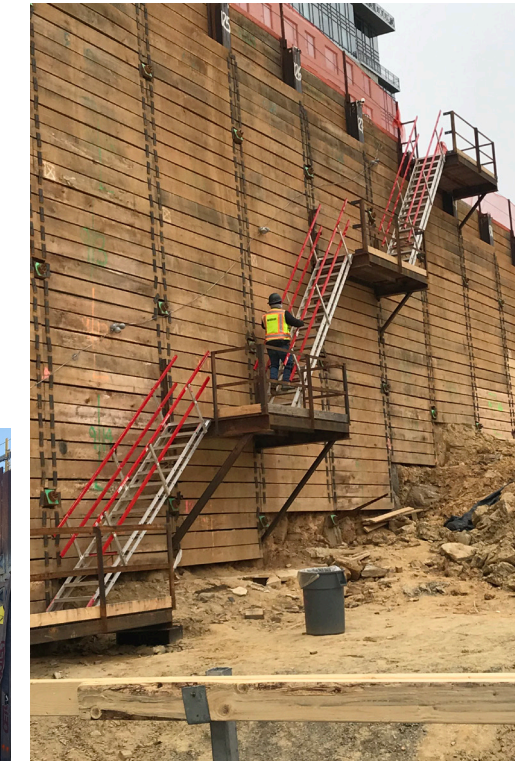
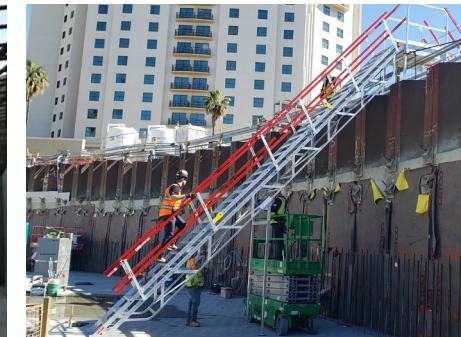


Excavation Access

Access Depths with Ease

AdjustaStairs provide stable stair access into trenches and excavation zones where ladders are unsafe and scaffold access is impractical.

- Treads self-level to match trench angles and changing grades
- Multiple stairs can be joined to reach deeper excavations
- Mid-landings available to break up long stair runs
- Ideal for utility, pipeline, and foundation work





“AdjustaStairs are an amazing product. They are by far one of the best investments on the jobsite.”

PROJECT MANAGER | POWERBUILD CONSTRUCTION



Project Profile: SAFETY FIRST AT THE A'S STADIUM PROJECT

SITE-ACCESS WITH
ADJUSTASTAIRS™

During construction of the LA Metro Purple Line Extension beneath Beverly Hills, crews required safe, reliable access between multiple underground levels as excavation and station construction progressed. Working in deep station boxes and confined underground environments made traditional ladder access inefficient and hazardous for crews carrying tools and equipment. SafeSmart's AdjustaStairs were deployed throughout the project to provide stable, adjustable floor-to-floor access, allowing workers to move efficiently between work levels while maintaining OSHA-compliant access in a complex construction environment.



Project Challenges

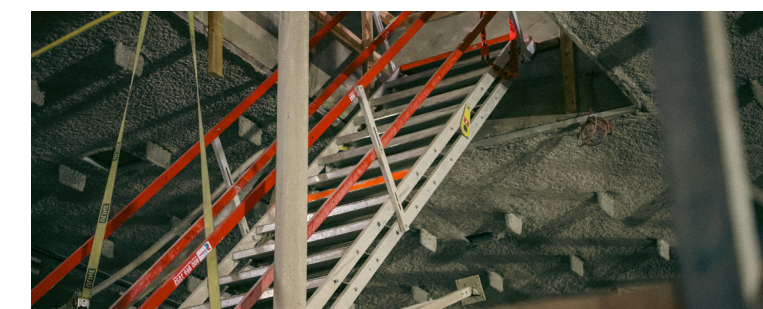
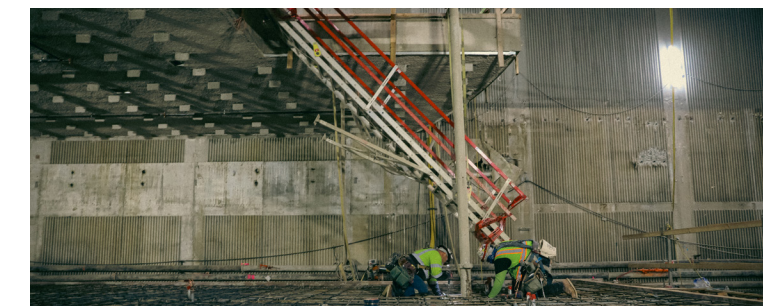
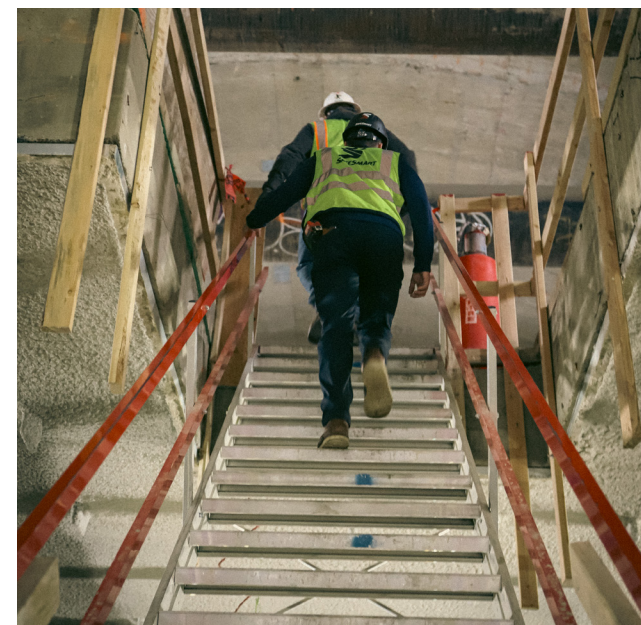
- Large underground excavation zones beneath active city streets
- Multiple floor elevations created during phased construction
- Ladders slowed worker movement and increased safety risks

ADJUSTASTAIRS™ Advantages

- Rapid installation between underground floor levels
- Self-leveling treads maintain stable footing at varying heights
- Lightweight aluminum construction for easy repositioning
- OSHA-compliant stair access with integrated handrails

The Outcome

AdjustaStairs provided safe, efficient access throughout the underground construction phases of the Purple Line Extension. The adjustable stair system allowed crews to move quickly between work levels, improving site navigation and supporting productivity on one of Los Angeles' largest transit infrastructure projects.



Project Profile: SAFETY FIRST AT THE A'S STADIUM PROJECT

SITE-ACCESS WITH
ADJUSTASTAIRS™

During construction of the new Las Vegas A's stadium on the Las Vegas Strip, crews needed a faster and safer way to move between constantly changing elevations across the jobsite. Traditional ladders slowed workflow and created safety risks when workers carried tools and equipment between decks.

SafeSmart's AdjustaStairs were deployed throughout the project to create stable stair access between slabs, work decks, and grade transitions. The adjustable, self-leveling stair system allowed crews to establish safe access routes quickly without relying on ladders or time-consuming scaffold stair towers.

Project Challenges

- Multiple elevations changing throughout construction
- Ladders created safety risks and workflow bottlenecks
- Scaffold stairs required time-intensive setup and relocation

ADJUSTASTAIRS™ Advantages

- Self-leveling treads maintain level footing at any pitch
- Adjustable height adapts to changing slab elevations
- Lightweight aluminum frame allows fast relocation
- OSHA-compliant stair access with integrated handrails



The Outcome

AdjustaStairs delivered safe, efficient access across the stadium build, eliminating ladder congestion while allowing crews to move quickly between levels as construction progressed.



Project Profile: OFFSHORE ACCESS FOR OIL RIG OPERATIONS

CUSTOMIZED
ADJUSTASTAIRS™

On an offshore oil rig off the coast of Louisiana, crews required a safe and reliable way to move between multiple deck levels in a constantly changing marine environment. Traditional access methods struggled to adapt to shifting deck heights, harsh conditions, and the need for fast, dependable access during daily operations.

SafeSmart engineered a custom 70-step AdjustaStairs system designed specifically for the rig's layout and operational demands. The adjustable stair system provides stable, OSHA-compliant access between levels while allowing the stairs to adapt to changing elevations and working conditions.

Project Challenges

- Variable deck heights caused by changing marine conditions
- Traditional fixed stairs lacked flexibility for the environment
- Safe access required between multiple elevated rig levels

ADJUSTASTAIRS™ Advantages

- Custom 70-step configuration designed for offshore access
- Self-leveling treads maintain stable footing at varying angles
- Durable aluminum construction suited for harsh environments
- Portable system allowing repositioning as operations change



The Outcome

The custom AdjustaStairs system provided safe, efficient movement between deck levels across the rig. By replacing rigid access systems with an adjustable stair solution, the installation improved worker safety, operational efficiency, and adaptability in one of the most demanding environments in the energy industry.



A Better Way

 **SafeSmart**

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