QUICKBOLT™

TOWERS, CATWALKS, AND STAIRS

INTUITIVE CONNECTIONS

For Easy Assembly

GSI Take control.

QUICKBOLT™ TOWERS

FROM NEED-IT-YESTERDAY TO CUSTOM-FIT, GSI HAS THE RIGHT QUICKBOLT TOWER AND ACCESSORIES FOR YOUR PROJECT.

READY-TO-ORDER TOWERS

GSI's quickest QuickBolt is engineered with the same high-quality as all GSI QuickBolt towers and are designed to support the most common bucket elevator configurations.

- Pre-welded base plates – no field welding required
- One service platform can be placed in 20' intervals from the bottom or at the top
- Bucket elevators can be placed inside or outside of tower footprint

FOOTPRINT	8'	10'	12'
Min. Height	45'	45'	45'
Max. Height	100'	140'	150'
Single Elevator Pulley Size	16"-48"	16"-48"	16"-48"
Twin Elevator Pulley Size	16"-30"	16"-42"	16"-48"

CONFIGURE-TO-ORDER TOWERS

Need additional customization? Combine sections and platforms in 1' increments to easily fit within a standard footprint.

- Support an elevator, catwalk or stairs with a combination of angle
- and tube bracing
- Platforms can be placed at any column splice or in 1' increments

ENGINEER-TO-ORDER TOWERS

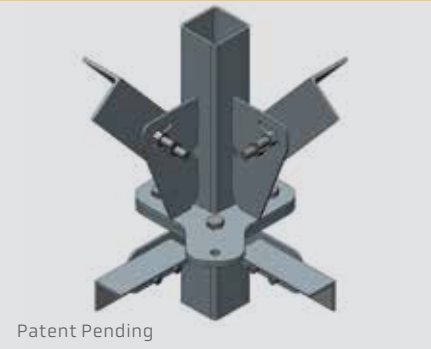
GSI's most customized tower is engineered to meet your exact specification.

- Elevations can be modified to fit any requirement
- Platforms can be placed at any elevation
- Personalize your tower with a full line of accessories and custom bracing for improved access

QuickBolt Towers feature less bolts, fewer pieces and a time saving platform design for more efficient on-site assembly.

BUCKET ELEVATOR SUPPORT TOWER
- Footprints: 8'-24' x 8'-24' in 2' increments

CATWALK SUPPORT TOWER
- 4-legged Tower Footprints:
  4'-6' x 6'-14' and 8'-24' x 8'-24' in 2' increments
- 2-legged Tower Footprints: 6'-14' in 2' increments


Patent Pending

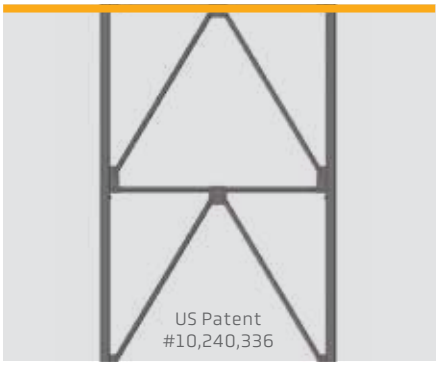
ANGLE TOWER BRACING
Angle-braced columns allow more efficient tower design.

US Patent #10,240,336

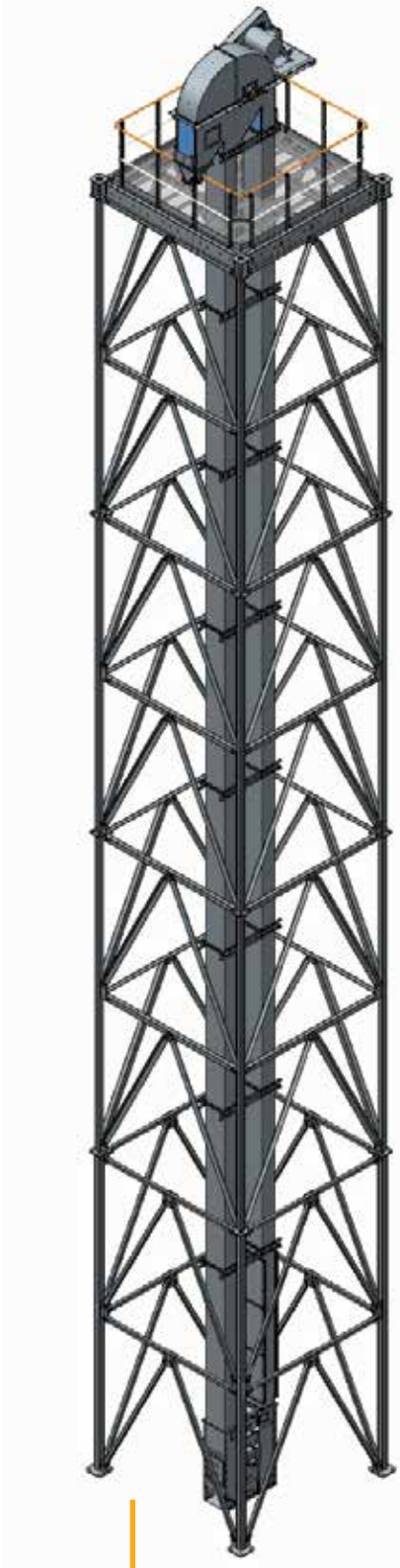
TOWER STRUT TO DIAGONAL CONNECTION
Simple connections and alignment guides aid in the ease of field assembly.

US Patent #10,240,336

COLUMN TO STRUT AND DIAGONAL CONNECTION
New design requires fewer bolts, resulting in less time spent assembling, while still leading the industry in strength-to-weight ratios.


US Patent #10,240,336

TUBE CONSTRUCTION
When combined with the Chevron-Bracing design, tube construction provides industry leading strength-to-weight ratios and allows utilization of single bolt connections. Significantly reducing the number of bolts required.



Ready-To-Order Tower

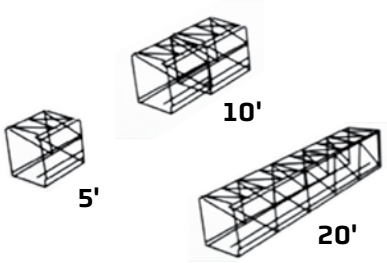
QUICKBOLT™ CATWALKS

WITH GREATER SPAN-TO-WEIGHT RATIOS, INNOVATIVE DESIGN AND MULTIPLE SPAN OPTIONS, GSI QUICKBOLT CATWALKS ARE IDEALLY SUITED FOR YOUR OPERATION.

CONFIGURE-TO-ORDER CATWALKS

Combine sections in 5' increments in any order to easily meet the requirements of sites with a standard footprint.

- Open top catwalks provide a range of support options for material handling and personnel access
- Standard widths of 4' to 9' are available, with maximum spans to 125'
- Optional service walk-arounds provide additional clearances for easy access to maintenance items



ENGINEER-TO-ORDER CATWALKS

Engineer-to-order catwalk lengths can be modified to meet exact specifications to fit any requirement.

- Standard 2' walkway and customizable walk-arounds provide a range of options for material handling and personnel access
- Custom widths are available upon request, with maximum unsupported spans up to 190'
- Conveyor support systems can be designed to provide landing spots for your specific material handling equipment

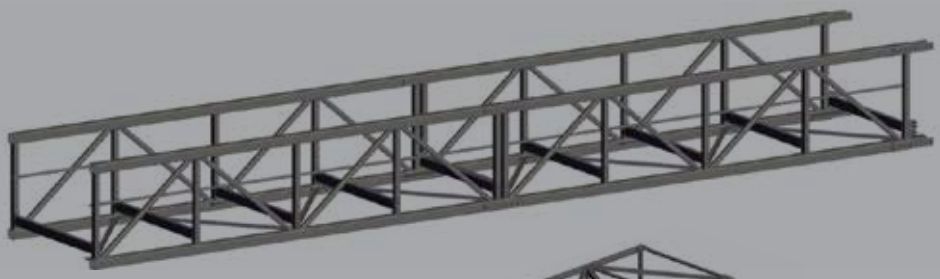
QuickBolt Catwalks are designed to simplify field assembly. Handrail or Walk-Thru trusses are available, and custom designed catwalks can be built with spans over 190' – to fit your operation.

- Reduction of loose pieces
- Deflection limiting connections
- Simplified connection design
- Simple span trusses

PER 20' SECTION	PIECES	BOLTS
20' Handrail Truss	18	56/58
20' Walk-Thru Truss	26	56

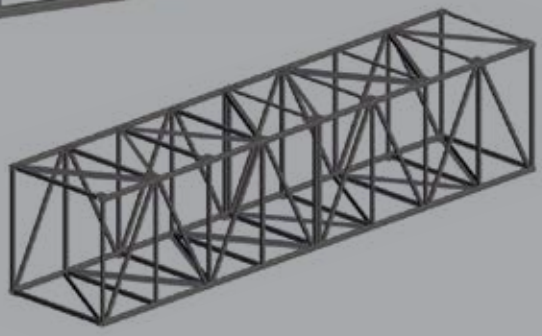
HANDRAIL TRUSS

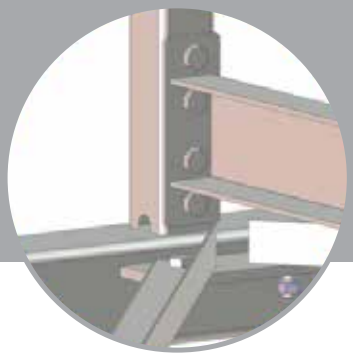
- Ideal for spans up to 125'.
- Open top for easier conveyor placement in the field.



WALK-THROUGH TRUSS

- Ideal for longer spans up to 190'.
- Meets maximum loading requirements.



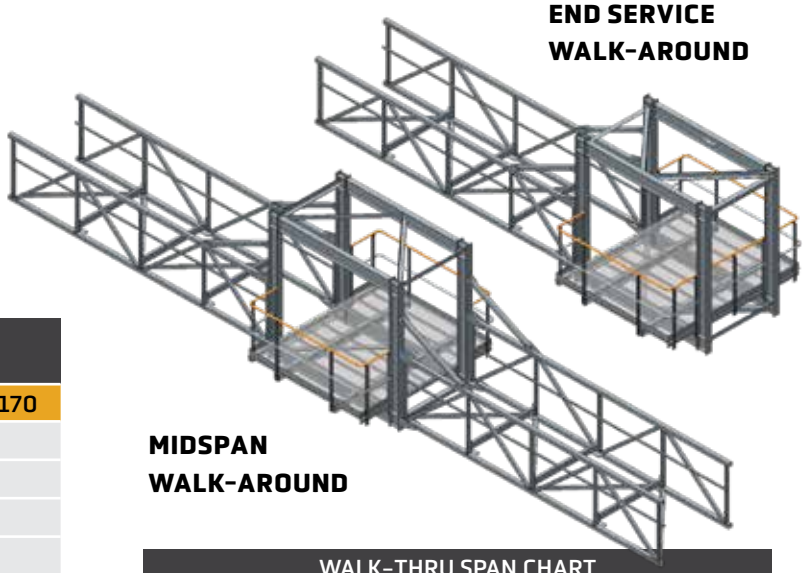


CATWALK STRUT TO SIDE PANEL CONNECTION

Fewer pieces allow crews to assemble catwalks faster and minimize the complexity of sorting and keeping track of pieces at the job site.

WALK-AROUND OPTIONS

- Get the space you need for motors, drives, transitions and trippers.
- Easier access for routine maintenance.



END SERVICE WALK-AROUND

MIDSPAN WALK-AROUND

HANDRAIL TRUSS SPAN CHART (CONVEYOR LOADING, LB/FT)				
SPAN (FT.)	HT60	HT80	HT120	HT170
35	425			
40	355			
45	270			
50	220			
55	180	425		
60	115	365		
65		268		
70		247		
75		185		
80		131	460	
85			369	
90			294	
95			211	
100			160	
105			96	349
110				282
115				210
120				162
125				105

WALK-THRU SPAN CHART (CONVEYOR LOADING, LB/FT)			
SPAN (FT.)	WT180	WT200	WT250
100	465		
105	435		
110	410		
115	385		
120	370	480	
125	340	450	
130	315	430	
140	260	365	
150	150	280	510
160		100	450
170			380
180			260
190			210

QUICKBOLT™ TOWER STAIRS

INTUITIVE CONNECTIONS FOR EASY ASSEMBLY.

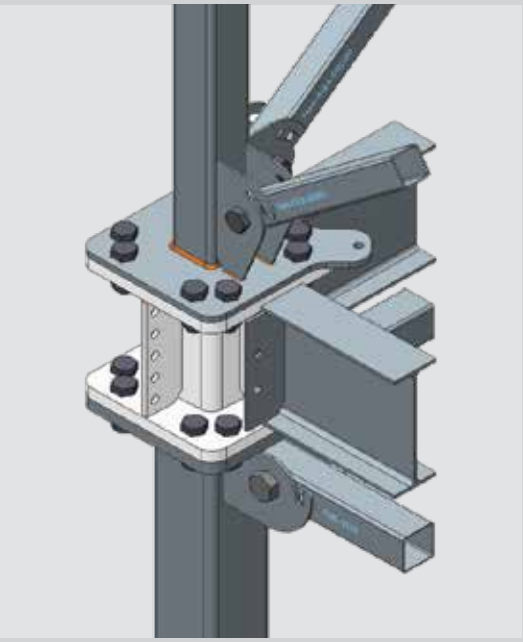
GSI QuickBolt Tower Stairs are engineered for strength, stability and ease.

Featuring sturdy construction for long-term durability that you'll feel with each step, and smooth handrails for safe climbing.

- Fewer components and tower sections save time and money
- Time-saving platform design
- Factory pre-assembled landing and stringers to save time in the field
- Available in switchback and wraparound configurations

Heavy-duty, welded stairs with bar-grating treads are also available.

QUICKBOLT™ TOWERS & CATWALK ACCESSORIES



PLATFORMS

Standard Duty Platforms – Used for personnel loading only in configure-to-order applications on towers with a 14' or smaller footprint. Feature roll-formed channel frame, Grip Strut® grating, bolt-up handrail system and clamp-on knee bracing. Configurable platform frame to provide flexibility in the field.

Equipment Platforms – Used in engineered-to-order applications, for equipment and/or catwalk loading. Feature beam frame and various options for grating and handrails. Designed to fit your specific situation with no field work required. Available for all tower sizes.

CATWALK SUPPORT

Cantilever support beams limit interference between the catwalk and tower bracing. This reduces the complexity of connecting the bridge to the tower and eliminates the need for custom bracing.

LADDERS

Features include rest platforms, roll-formed frame, Grip Strut® grating, bolt-up handrails. Options include welded or roll-formed ladder sections. Safety options include a fall protection system and/or safety cage.

GUY KITS

Guy kits for bucket elevator and two leg towers clamp to tower columns and feature slip tubes and turnbuckles for adjustability.

QUICKBOLT™

TOWERS, CATWALKS, AND STAIRS

Visit grainsystems.com for product specs and info

Contact your GSI Dealer for more information.

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