Accommodation Ladders & Gangways

Since 1887

Schoellhorn-Albrecht Machine Co., Inc.

Mooring Fittings • Capstans • Anchors • Accommodation Ladders & Gangways • Chain Stoppers • Special Projects
History

Schoellhorn-Albrecht

Our accommodation ladders and gangways work in a variety of settings, with the most common being commercial ships, small passenger vessels, docks, navy piers, and refineries. Schoellhorn-Albrecht offers accommodation ladders and gangways of any length, made from 6061-T6 aluminum alloy or other alloys such as 5086. All Schoellhorn-Albrecht ladders and gangways are designed and tested to meet industry standard specifications.

For additional information, drawings and specifications contact us.
Schoellhorn-Albrecht has enjoyed a long history in Saint Louis, Missouri supporting the inland river industry. Pictured at left is the Schoellhoen-Albrecht building in 1887. It was located on the St. Louis Riverfront in historic Laclede’s Landing located on the west bank of the Mississippi River. Pictured below is the current Schoellhorn-Albrecht building located in St. Louis County.
# Table of Contents

<table>
<thead>
<tr>
<th>Page Description</th>
<th>PAGE No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accommodation Ladders</strong></td>
<td></td>
</tr>
<tr>
<td>Beam Style with Curved Treads &amp; Self Stowing System</td>
<td>7</td>
</tr>
<tr>
<td>Beam Style with Feathering Treads &amp; Self Stowing System</td>
<td>8</td>
</tr>
<tr>
<td>Beam Style with Curved Treads &amp; Automated Stowing</td>
<td>9</td>
</tr>
<tr>
<td>NavSea Style with Curved Treads &amp; Self Stowing System</td>
<td>10</td>
</tr>
<tr>
<td>NavSea Style with Feathering Treads</td>
<td>11</td>
</tr>
<tr>
<td>Beam Style with Curved Treads &amp; Telescoping System</td>
<td>12</td>
</tr>
<tr>
<td>Truss Style with Feathering Treads</td>
<td>13</td>
</tr>
<tr>
<td>Truss Style with Curved Treads</td>
<td>14</td>
</tr>
<tr>
<td>Dock to Barge Style with Curved Treads &amp; Rail System</td>
<td>15</td>
</tr>
<tr>
<td>Dock to Barge Style with Feathering Treads &amp; Rotating Base</td>
<td>16</td>
</tr>
<tr>
<td>Dock to Barge Style with Feathering Treads &amp; Portable System</td>
<td>17</td>
</tr>
<tr>
<td>ATB Tug to Barge Style with Curved Treads &amp; Powered</td>
<td>18</td>
</tr>
<tr>
<td><strong>Gangways</strong></td>
<td></td>
</tr>
<tr>
<td>Truss Style with Deck Planking</td>
<td>20</td>
</tr>
<tr>
<td>Beam Style with Deck Planking &amp; Stowing System</td>
<td>21</td>
</tr>
<tr>
<td><strong>Accommodation Ladder &amp; Gangway Accessories</strong></td>
<td></td>
</tr>
<tr>
<td>Upper Connections</td>
<td>23</td>
</tr>
<tr>
<td>Lower Connections</td>
<td>24</td>
</tr>
<tr>
<td>Deployment / Recovery</td>
<td>25</td>
</tr>
<tr>
<td>Pilot Ladder</td>
<td>26</td>
</tr>
<tr>
<td>NavSea Ladder Replacement Parts</td>
<td>27-29</td>
</tr>
<tr>
<td><strong>Barge Coaming Ladders</strong></td>
<td></td>
</tr>
<tr>
<td>Coamover I</td>
<td>31</td>
</tr>
<tr>
<td>Coamover II</td>
<td>32</td>
</tr>
<tr>
<td>Hi-Lo Ladders</td>
<td>33</td>
</tr>
<tr>
<td>Fixed “A” Frame Ladder</td>
<td>34</td>
</tr>
</tbody>
</table>
Accommodation Ladders

- Corrosion Resistant Aluminum Alloy
- Beam or Truss Designs
- Fixed, Curved or Feathering Treads
- 24”, 30”, 36” and Custom Widths
- Rope, Chain and Pipe Handrails
- Upper and Lower Rotating Platforms
- Self Stowing and Manual Stowing Designs
- Auxiliary and Support Equipment Including: Davits, Lifting Gear, Winches, and Boat Fenders
- Custom Designs Available

Our standard accommodation ladders are designed for a distributed load of 185 lbs on every other tread. Higher load ratings available.
Beam Style with Curved Treads & Self Stowing System

Heavy Duty Structural Aluminum Ladder with Curved Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Davit with Steel Stowage Equipment

Available Options:
- Feathering Self-Leveling Steps
- Powered or Manual Winch
- Folding Handrails
- Foldable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Ship Bumpers & Fenders
- Custom Coatings on Steel

As Shown:
- Deployed Position (Above)
- 90° Stowed Position (Left)
- Removable Stanchions w/ Rope Rails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Upper Rotating Platform
- Manual Davit
- Removable Lower Platform for Dock Access & Dock Roller

Product details and specifications are subject to change without notice. For additional information, drawings and specifications contact us.
Beam Style with Feathering Treads & Self Stowing System

Heavy Duty Structural Aluminum Ladder with Feathering Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Davit with Steel Stowage Equipment

Available Options:
- Schoellhorn-Albrecht Custom Curved Tread
- Powered or Manual Winch
- Removable Stanchions w/ Rope Rails
- Custom Upper & Lower Platforms Available
- Dock / Deck Rollers or Casters
- Ship Bumpers & Fenders
- Custom Coatings on Steel

As Shown:
- Deployed Position (Above)
- 90° Stowed Position (Left)
- Folding Stanchions w/ Rope Rails
- Upper Rotating Platform
- Removable Lower Platform for Dock Access
- Pneumatic Davit
- & Dock Roller
Accommodation Ladders

Beam Style with Curved Treads & Automated Stowing System

Heavy Duty Structural Aluminum Ladder with Curved Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Steel Stowage Equipment

Available Options:
- Feathering Self-Leveling Steps
- Powered or Manual Winch
- Folding Handrails
- Removable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel

As Shown:
- Deployed Position (Above)
- 90° Stowed Position (Left)
- Folding Stanchions w/ Rope Rails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Upper Platform
- Lower Platform
- Automated Stowing Davit
- Ship to Ship Bumpers
- & Dock Roller

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
**Accommodation Ladders**

**NAVSEA Style with Curved Treads & Self Stowing System**

Heavy Duty Structural Aluminum (5086) Ladder with Curved Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Davit with Steel Stowage Equipment
NavSea Style Ladder and Platforms

**Available Options:**
- Feathering Self-Leveling Steps
- Powered or Manual Winch
- Folding Handrails
- Removable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel
- Custom Materials such as 6061-T6

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladders

**NAVSEA Style with Feathering Treads**
Heavy Duty Structural Aluminum (5086) Ladder with Feathering Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
NavSea Style Ladder and Platforms

**Available Options for modified NavSea Ladder:**
- Schoellhorn-Albrecht Custom Curved Treads
- Powered or Manual Winch
- Folding Handrails
- Removable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel
- Custom Materials such as 6061-T6

As Shown:
- Deployed Position (Above)
- Folding Stanchions w/ Rails (NavSea 804-2255408)
- Feathering Self-Leveling Steps (NavSea 804-2255402)
- Upper Rotating Platform (NavSea 804-2255404)
- Removable Lower Platform with Fender and Ship Bumper for Ship to Ship Access (NavSea 804-2255405)

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Product details and specifications are subject to change without notice. For additional information, drawings and specifications contact us.

**Beam Style with Curved Treads & Telescoping System**

- Heavy Duty Structural Aluminum Ladder with Curved Tread
- Customized lengths and widths to suit your application
- Typical Maximum Inclination of 55°
- Top Deck Winch Operated Deployment and Stowage
- Hinged Upper Connection
- Folding Handrails

**Available Options:**
- Powered Winch
- Removable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Materials
- Custom Coatings on Steel

**As Shown:**
- Deployed Position (Above)
- Stowed Position (Left)
- Folding Handrails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Telescoping Ladder
- Manual Winch
- Hinged Upper Platform
- & Dock Swivel Casters
Accommodation Ladders

**Truss Style with Feathering Treads**

Heavy Duty Structural Aluminum Ladder with Feathering Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Fixed Pipe Handrails

**Available Options:**
- Schoellhorn-Albrecht Custom Curved Treads
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel
- Custom Materials

---

**Feathering Treads Open Position**
(Shown, working as upright)

**Feathering Treads Closed Position**
(Shown, stowed as horizontal)

**As Shown:**
- Deployed Position (Right)
- Ladder Detail View (Below)
- Feathering, Self Leveling Treads (Above)
- Pipe Handrails
- Hinged Upper Platform
- & Dock Swivel Casters

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladders

**Truss Style with Curved Treads**

Heavy Duty Structural Aluminum Ladder with Curved Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination of 55°
Fixed Pipe Handrails with Spliced Connection

**Available Options:**
- Feathering Self-Leveling Steps
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel
- Custom Materials

As Shown:
- Deployed Position (Right)
- Ladder Detail View (Below)
- Schoellhorn-Albrecht Custom Curved Treads (Above)
- Fixed Handrails with Spliced Connection
- Gunnel Clip
- Lower Trussel
- & Dock Roller Shown

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladders

Dock to Barge Style with Curved Treads & Rail System

Heavy Duty Structural Aluminum Ladder with Curved Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination Above or Below Dock of 55°
Rail System Lower Platform
Trussel Upper Platform

Available Options:
- Powered Winch
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.

As Shown:
- Deployed Position (Above)
- Dock Stowed Position (Left)
- Fixed Handrails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Upper Rotating Platform
- Lower 180° Telescoping Platform
- Upper Trussel with Casters
Accommodation Ladders

Dock to Barge Style with Feathering Treads & Rotating Base
Heavy Duty Structural Aluminum Ladder with Feathering Tread
Customized lengths and widths to suit your application
Typical Maximum Inclination Above or Below Dock of 55°
Slewing Bearing Lower Platform
Ladder Upper Platform

Available Options:
- Powered Winch
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel

As Shown:
- Deployed Position at Dock Level (Above)
- Deployed Position Below Dock Level (Left)
- Folding Handrails
- Feathering Treads (Self-Leveling)
- Upper Ladder Platform with Casters
- Lower 180° Slew Bearing Platform
- Manual Winch

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladders

Dock to Barge Style with Feathering Treads & Portable System

Heavy Duty Structural Aluminum Ladder with Feathering Tread
Customized lengths and widths to suit your application
Access Heights Above or Below Dock up to 55°
Heavy Duty Wheels for Portability
Manual Winch System for Stowing

Available Options:
- Powered Winch
- Fixed Base
- Removable Handrails
- Foldable Stanchions w/Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel

As Shown:
- Deployed Below Dock Level (Above)
- Deployed Above Dock Level (Left)
- Folding Handrails
- Feathering Treads
- Upper Ladder Platform with Casters
- Lower Portable Platform
- Manual Winch

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladders

ATB Tug to Barge Style with Powered Deployment & Curved Treads

**Pneumatic Powered:**
Heavy Duty Structural Aluminum Gangway with Curved Treads
Customized Lengths and Widths to Suit your Application
Pneumatic Cylinder Deploying / Stowing System
Slewing Bearing Base Attachment

As Shown:
- Deployed Position (Left)
- Stowed Position (Far Left)
- Fixed Extended Handrails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Pneumatic Cylinder Deploy/Stow System
- Slewing Bearing Base Attachment
- & Dock Wheels

**Electric Powered:**
Heavy Duty Structural Aluminum Gangway with Curved Tread
Customized Lengths and Widths to Suit your Application
Electric Powered Deploying / Stowing System
Fixed Base

As Shown:
- Deployed Position (Left)
- Stowed Position (Far Left)
- Folding Extended Handrails
- Schoellhorn-Albrecht Custom Curved Fixed Tread
- Electric Powered Deploy/Stow System
- Fixed Base
- & Dock Caster

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Gangways

- Corrosion Resistant Aluminum Alloy
- Beam or Truss Designs
- Deck Planking with or without Deck Cleats
- 24”, 30”, 36” and Custom Widths
- Safety Rails on Both Ends
- Lifting Padeyes
- Dock Rollers or Wheels
- Gunwale Clips
- Bulbous Cleats

Our standard gangways are designed for a distributed load of 75 lbs/ft². Higher loadings are available.
**Gangways**

**Truss Style with Deck Planking**

Heavy Duty Structural Aluminum Gangway with Deck Planking
Customized lengths and widths to suit your application
Typical Maximum Inclination of 30°

**Available Options:**
- Deck Planking with Raised Cleat
- Powered or Manual Winch Options
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Custom Coatings on Steel

As Shown:
- Built for New York Waterway’s East River Ferry
- Truss Style Construction
- Aluminum Deck Planking
- Fixed Handrails
- Gunnel Clip
- Ramps

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
**Beam Style with Deck Planking & Stowing System**

Heavy Duty Structural Aluminum Ladder with Deck Planking

Customized lengths and widths to suit your application

Typical Maximum Inclination of 30°

Davit with Manual Winch

**Available Options:**
- Powered Winch Options
- Folding Handrails
- Removable Stanchions with Rope or Chain Rails
- Custom Upper & Lower Platforms
- Dock / Deck Rollers or Casters
- Ship Bumpers & Fenders
- Custom Coatings on Steel

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladder & Gangway Accessories

UPPER CONNECTIONS

LOWER CONNECTIONS

DEPLOYMENT / RECOVERY
Accommodation Ladder & Gangway Accessories

Upper Connections
Aluminum & Steel Construction Available
Special Configurations
Slip-Resistant Walking Surfaces
Custom Options Available

S-A Standard Rotating Platform
NavSea (804-2255408)

Gunnel Clip
Hinged Connection
NavSea (840-2255403)

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladder & Gangway
Accessories

Lower Connections
Aluminum & Steel Construction Available
Special Configurations
Slip-Resistant Walking Surfaces
Custom Options Available

Platform
Ramp
Swivel Casters

Trussel
Ship to Ship Bumper
NavSea (804-2255403)
Dock Roller
UHMW & Galvanized Options

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladder & Gangway
Accessories

Deployment / Recovery
Aluminum & Steel Construction Available
Special Configurations
Custom Options Available

Electric Winch
Pneumatic Winch
Standard Davit

Manual Winch
Automated Stowing Davit

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Accommodation Ladder & Gangway Accessories

Pilot Ladder (Solas Embarkment/Debarkment Ladder)
Suspension Rope (3/4” [19mm] Diameter) is one Continuous Length on Each Side
Ladders Tested to 2,000 lbs.
Steps Tested to 700 lbs. with no more than 3/4” deflection
15” Step Spacing

Available Options:
- Manual or Powered Winch
- Hardwood or Plastic Steps
- Non-Skid Grit or grooves Applied to Steps

As Shown:
- Deployed Position (Above)
- Manual Winch
- 3/4” Diameter Suspension Rope
- Hardwood Steps

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Replacement Parts for NavSea Ladders (Treads)
Replacement Steps for existing Ladders
Other Replacement Parts Available. Please Contact us for Ladder Replacement Parts not shown.

- Replacement Treads for Feathering Ladders
- Treads made to NavSea drawing 804-2255402 Rev C.
- Material is made in Aluminum 5086
- Specify Length; 24” or 30”
- Specify Tread Type; “A”, “B” or “C”

![Replacement Feathering Treads](image)

- Replacement Tread Caps
- Treads made to NavSea drawing 803-5959202 Rev -.
- Material is made to MIL-T-24634, Type II Aluminum
- Specify Tread length
- Specify Tread Width; 4”, 6” or 9”

![Replacement Tread Caps](image)

- Replacement Tread Caps with Sub-Base
- Treads made to NavSea drawing 803-5959202 Rev -.
- Cap Material is made to MIL-T-24634, Type II Aluminum
- Specify Sub-Base Material; Steel, 304 Stainless Steel or 316 Stainless Steel
- Specify Tread length
- Specify Tread Width; 4”, 6” or 9”

![Replacement Tread Cap with Sub Base](image)

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Replacement Parts for NavSea Ladders (Lower Platform)

Bumpers and Fenders for existing Ladders
Other Replacement Parts Available. Please Contact us for Ladder Replacement Parts not shown.

- Replacement Fender for Lower Platform
- Treads made to NavSea drawing 804-2255403 Rev B.
- Fender Base Material is made in Aluminum 5086
- Fender Pad Material made from FLEXANE

- Replacement Fender for Lower Platform
- Treads made to NavSea drawing 804-2255405 Rev B.
- Fender Base Material is made in Aluminum 5086
- Fender Pad Material made from FLEXANE

- Replacement Bumper for Lower Platform
- Treads made to NavSea drawing 804-2255403 Rev B.
- Fender Base Material is made in Aluminum 5086
- Fender Pad Material made from FLEXANE
- Specify Bumper Type I or II

- Replacement Bumper for Lower Platform
- Treads made to NavSea drawing 804-225540 Rev B.
- Fender Base Material is made in Aluminum 5086
- Fender Pad Material made from FLEXANE
- Specify Bumper Type I or II

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Replacement Parts for NavSea Ladders (Hand Rail)

Replacement Hand Rail and Components for existing Ladders
Other Replacement Parts Available. Please Contact us for Ladder Replacement Parts not shown.

- Replacement Hand Rail Assembly
- All Hand Rail Components made to NavSea drawing 804-2255408 Rev C.
- Hand Rail Material made from Aluminum 5086
- Stanchion Material made from Aluminum 5086
- Chain Material Made From Galvanized Steel

Accommodation Ladder & Gangway
Accessories

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Barge Coaming Ladders

- Corrosion Resistant Aluminum Alloy
- 2’ to 6’ Coaming
- Portable and Lightweight
- Patented Ladder Designs (D669,194)
- Create a Safer Work Environment
- Custom Designs and Sizes Available

Our barge Coaming Ladders are designed for a Working Load of 300 lbs, IA rated (Industrial Heavy Duty).
Barge Coaming Ladders

Coamover I
Safe, Fast & Reliable way to Climb Down into a Barge for Cleaning, Maintenance, etc.
All Aluminum Construction
Extended Hand Rails
Anti-Slip Grip
Portable Platform and Extension Ladder
Adjustable Step for 2’ to 6’ Coaming Walls
Pushes Up and Locks Against Wall to Clear way for a Bobcat

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Barge Coaming Ladders

Hi-Lo Ladders

Kevel Attachment Style
All Aluminum Construction
Platform Attaches to a Standard 36” or 42” Kevel
Used to Access between Loaded and Empty Barges and Back to Barge
Extended Handrails
Customized Lengths to Suit your Needs

Cruciform Bitt Attachment Style
All Aluminum Construction
Platform Attaches to a Standard Cruciform Bitt
Used to Access between Empty Barges
Extended Handrails
Roller for Portability
Customized Lengths to Suit your Needs

As Shown:
Deployed Position (Right)
Kevel Attachment (Left)
Ladder Rungs with Anti-Slip Grip
Fixed Extended Handrails
Easy One Man Deployment
Telescoping Ladder

As Shown:
Deployed Position (Left)
Stowed with Ramp Attachment for Shallow Angles (Far Left)
Ladder Rungs with Anti-Slip Grip
Fixed Extended Handrails
Upper Platform Attaches to Cruciform Bitt
Dock Roller for One-Man Deployment
Telescoping Ladder

Product details and specifications are subject to change without notice.
For additional information, drawings and specifications contact us.
Fixed “A” Frame Ladder
Safe, Fast & Reliable way to Climb down into a Barge for Cleaning, Maintenance, etc.
Heavy Duty Aluminum Construction
Center Pick Point for Crane
Extended Fixed Handrails
Safety Swing Gate
Anti-Slip Grip
Customized Lengths to Suit your Needs
Deck Machinery
- Thru-Deck Capstan
- Carpuller
- Anchor Windlass
- Above-Deck Capstan

Mooring Fittings
- Chock
- Roller Fairlead
- Double Bitt
- Four Roller Fairlead

Accommodation Ladders & Gangways
- Deployed Ladder
- Truss Style Gangway
- Self Stowing Ladder
- Beam Style Gangway

Special Projects
- Rudder Horn
- Shaft Strut
- Bow Staple
- Anchor

Schoellhorn-Albrecht Machine Co., Inc.
1141 Reco Ave., St. Louis, MO 63126
Telephone: 314-965-3339
FAX: 314-965-3341