

Typical configurations are shown in bold, or select options

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|--|--|
| <p>1 Oval Profile: Vertical Only in Stainless Brushed (#4)</p> <p>1.9" x 1.0" (48.26 x 25.4mm) AHO190VS</p>  | <p>Oval Profile: Horizontal Only in Stainless Brushed (#4)</p> <p>1.9" x 1.0" (48.26 x 25.4mm) AHO190HS</p>  |
|--|--|

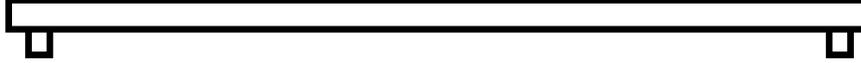
| | | |
|---|---|---|
| <p>2 Vertical Profile Spacer:</p> <p>Barrel 1.25" (31.75mm) Dia. BL-O</p> <p>Soft Square 1.25" (31.75mm) SQ-O</p> | <p>Horizontal Profile Spacer:</p> <p>Supplied only with:</p> <p>Saddle Mount 1.25" (31.75mm) SM-O</p> | <p>3 Spacer Installation:</p> <p>In-Cab (removable) IR</p> <p>Exterior Mounting IX</p> <p><small>Note: Not all options may be available; please check our website or call for details</small></p> |
|---|---|---|

4 Optional Powder Coating:

| | | |
|-------------|------------------------|-------------------|
| Satin White | Light Bronze Oxidized | Black Splatter |
| Satin Black | Medium Bronze Oxidized | Silver Splatter |
| | Dark Bronze Oxidized | Midnight Splatter |
| | | Bronze Splatter |

coating over Stainless brushed.

4 Select Rail Ends and Specify Measurements:

| | | Imperial | Metric | |
|-------------|--|-----------------------|---------|--|
| Qty: |  | | | |
| ST Straight | <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> <div style="border-top: 1px dashed black; width: 400px; height: 10px; margin-right: 5px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> </div> <p style="font-size: small; color: blue; text-align: center;">Indicate additional spacers with an "X". Fill in measurements between each spacer.</p> | Straight ST | Bent BR | |
| BR Bent | <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> <div style="border-top: 1px dashed black; width: 400px; height: 10px; margin-right: 5px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> </div> <p style="font-size: small; color: blue; text-align: center;">Indicate additional spacers with an "X". Fill in measurements between each spacer.</p> | Overall Length: _____ | | |
| | | _____ | _____ | |
| Qty: |  | | | |
| ST Straight | <div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> <div style="border-top: 1px dashed black; width: 400px; height: 10px; margin-right: 5px;"></div> <div style="border-left: 1px solid black; border-right: 1px solid black; width: 60px; height: 10px; margin-right: 5px;"></div> </div> <p style="font-size: small; color: blue; text-align: center;">Indicate additional spacers with an "X". Fill in measurements between each spacer.</p> | Straight ST | Bent BR | |
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| | | _____ | _____ | |
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| | | _____ | _____ | |

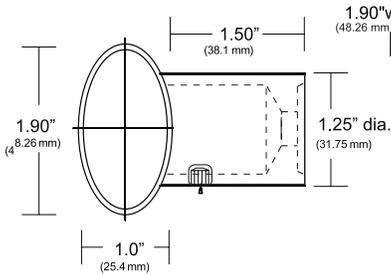
5 Additional Notes/Details/Specifications:

| | | |
|-------------------|-----------------|---------------------|
| QUOTE FOR: | SHIP TO: | SUBMIT FORM: |
|-------------------|-----------------|---------------------|

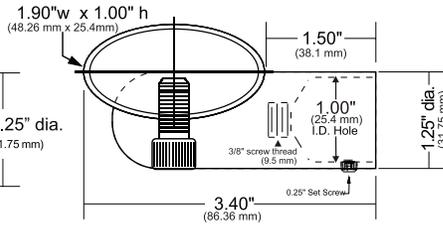
| | | |
|-----------------------|---------------------------------------|--|
| Company: _____ | Address: _____ | |
| Contact: _____ | _____ | OR |
| Tel: _____ PO#: _____ | City: _____ State/Prov: _____ | |
| Job Name: _____ | Zip/Postal: _____ Country: _____ | |
| Email: _____ | Freight: Add Shipping On Acct#: _____ | <i>To clear form, go to menu > File > Revert</i> |

OVAL HANDRAIL ENGINEERING DATA (AHO190VS-AHO190HS SERIES)

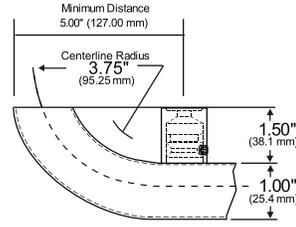
Vertical Profile #AHO190VS



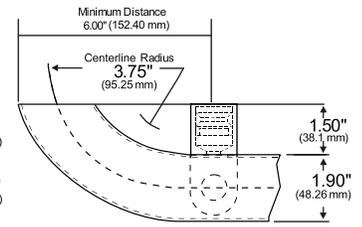
Horizontal Profile #AHO190HS



Vertical Profile Bend #AHOBEV

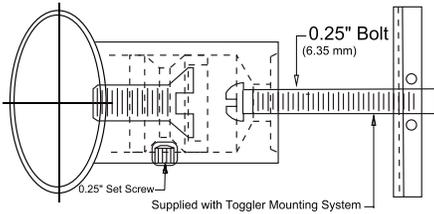


Horizontal Profile Bend #AHOBEH

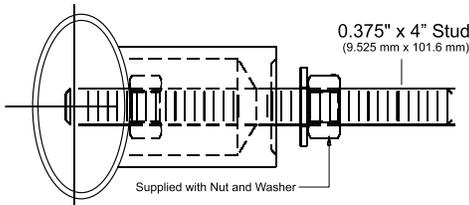


VERTICAL PROFILE INSTALLATION SPACER

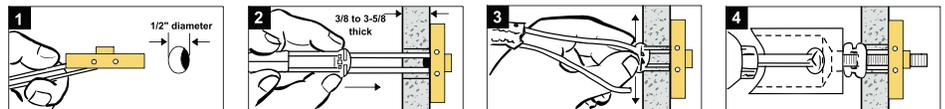
In Cab (removable) Mounting Spacer



Exterior Cab Mounting Spacer



Vertical Profile Mounting Instructions



PULL-OUT VALUES for 1/4"- 20 BOLT

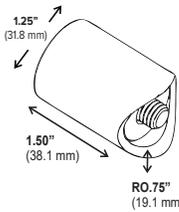
- 265 lbs (120 kg) ultimate tensile load in 1/2" drywall
- 306 lbs (162 kg) ultimate tensile load in 5/8" drywall
- 925 lbs (420 kg) ultimate tensile load in concrete block
- 1,283 lbs (583 kg) ultimate tensile load in steel plate

PULL-OUT VALUES for 3/8" STUD

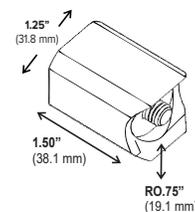
Handrail Thread-lock fastener engineered test data
Pull-out values for removal of threaded fasteners from Lustre Products' handrails = 1509 lbs

Tests by independent test laboratory show ultimate load. Industry safety standards recommend 1/4 of the values for actual applications. Age and conditions of substrate will cause load values to vary.

1.25" Dia Barrel Mount

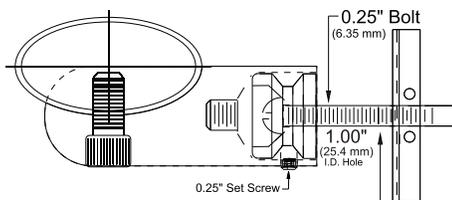


Soft Square Mount

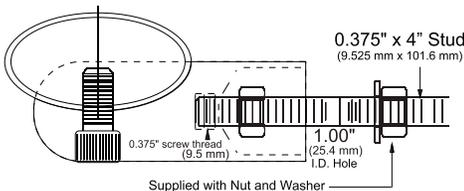


HORIZONTAL PROFILE INSTALLATION SPACER

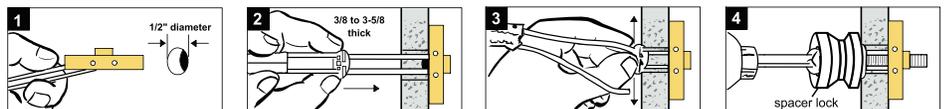
In Cab (removable) Mounting Spacer



Exterior Cab Mounting Spacer



Horizontal Profile Mounting Instructions



PULL-OUT VALUES for 1/4"- 20 BOLT

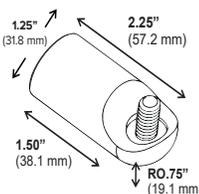
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- 925 lbs (420 kg) ultimate tensile load in concrete block
- 1,283 lbs (583 kg) ultimate tensile load in steel plate

PULL-OUT VALUES for 3/8" STUD

Handrail Thread-lock fastener engineered test data
Pull-out values for removal of threaded fasteners from Lustre Products' handrails = 1509 lbs

Tests by independent test laboratory show ultimate load. Industry safety standards recommend 1/4 of the values for actual applications. Age and conditions of substrate will cause load values to vary.

Saddle Mount



CARE & MAINTENANCE for BRASS, BRONZE, COPPER & CERINOX COATED HANDRAILS

Brass or Bronze is a HIGH MAINTENANCE FINISH. Yellow metals will all naturally oxidize / tarnish with time and use.

CerinoX – is a surface applied ceramic coating is applied as a standard surface and finish protection. By request our products are available without CerinoX coating.

Bronze, Brass or Copper alloys have been coated with a protective CerinoX clear coat.

CerinoX colors are intended to provide a decorative and protective coating applied over stainless or aluminum substrate, with an additional protective CerinoX clear coat.

Although the CerinoX is resistant to most chemicals and general wear – over time, the surface coating may wear away with repeated contact, exposing the original metal alloy substrate beneath.

Warranty - Due to variables of each installation and environment, CerinoX coatings are not warranted against wear and tear or use and abuse.

Maintenance – to clean and maintain this coating; gently clean with a soft microfiber cloth, dampened with non-abrasive soap and water.

Removal of CerinoX - The durable CerinoX coating may require mechanical re-finishing to remove.

Questions? Please contact supplier for additional options and services.

ACTUAL HANDRAIL WEIGHT = 1.1 lbs per lineal foot (0.50 kg/30.48 cm) / SHIPPING WEIGHT AVERAGE = 2.1 lbs per lineal foot (0.95 kg/30.48 cm)



California Proposition 65

WARNING: This product can expose you to chemicals including nickel and aluminum which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov or www.LustreProducts.com