**Floor Mount Sleeve**
Model#: 8510057 (Mild Steel) / 10425 (S.S.)

**DESCRIPTION**
Zinc plated mild steel or 304 stainless steel construction.
Mounts to horizontal concrete or steel structure. The off-set design allows for maximum reach of the mast being used. Comes with PVC sleeve liner.

**General Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (working load)</td>
<td>450 lbs. (205 Kgs.) @ minimum 4:1</td>
</tr>
<tr>
<td>Design Factor</td>
<td>(see appl. restriction 2)</td>
</tr>
<tr>
<td>Mast Moment Proof Load</td>
<td>90,000 in.-lbs (10,000 N.m)</td>
</tr>
<tr>
<td>Proof Tests</td>
<td>Uct-019A, Uct-131</td>
</tr>
<tr>
<td>Mast Rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Weight</td>
<td>25 lbs (11.5 Kg)</td>
</tr>
</tbody>
</table>

*Note: Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.*

**Materials and Construction:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Construction</td>
<td>Welded Steel/Stainless Steel</td>
</tr>
<tr>
<td>Weld Certification</td>
<td>CWB-47.1</td>
</tr>
<tr>
<td>Structure Material</td>
<td>A-36 Steel Plate/304 S.S.</td>
</tr>
<tr>
<td>Sleeve Material</td>
<td>Sch. 40 Pipe/304 S.S.</td>
</tr>
<tr>
<td>Sleeve Bearing Material</td>
<td>PVC Pipe - ASTM-D-1785</td>
</tr>
<tr>
<td>Thrust Bearing Material</td>
<td>High Density Polyethene</td>
</tr>
<tr>
<td>Finish (Steel Sleeves)</td>
<td>Zinc Plated</td>
</tr>
<tr>
<td>Finish (Stainless Steel)</td>
<td>Brush Blast</td>
</tr>
<tr>
<td>Plating Specification</td>
<td>ASTM Designation B633-85, Type III, SC2</td>
</tr>
</tbody>
</table>

**Application Restrictions:**

1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group Ltd. **ONLY.**
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement **MUST BE** added to meet minimum requirements.
5. Each installation **MUST BE** approved to local standards by a qualified engineer.

**CERTIFICATION**

The Structure and mounting hardware must be capable of withstanding a 90,000 in.-lbs (10000 N.m) moment and a 5000 lbs. (2268 Kg.) vertical load.
Anchors used to mount this base must have an installed minimum pull-out strength of 10000 lb (44.4 KN) and a shear strength of 5000 lb (22.2 KN).
Installation **MUST BE** approved to local regulations by a qualified engineer.
Floor Mount Sleeve
Model#: 8510057 (Mild Steel) / 10425 (S.S.)
Description
Zinc plated mild steel or 304 stainless steel construction. Designed for slip-in installation into 04.0 core hole in concrete or in an existing steel structure. Comes with PVC sleeve liner.

General Specifications:
- Rated Capacity (working load) 450 lbs. (205 Kgs.) @ minimum 4:1 Design Factor
- Mast Moment Proof Load 90,000 in.-lbs (10,000 N.m)
- Mast Rotation 360°
- Weight 8 lbs (3.6 Kg)

Note: Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.

Materials and Construction:
- General Construction Welded Steel/Stainless Steel
- Weld Certification CWB-47.1
- Structure Material A-36 Steel Plate/304 S.S.
- Sleeve Material Sch. 40 Pipe/304 S.S.
- Sleeve Bearing Material PVC Pipe - ASTM-D-1785
- Thrust Bearing Material High Density Polyethene
- Finish (Steel Sleeves) Zinc Plated
- Finish (Stainless Steel) Brush Blast
- Plating Specification ASTM Designation B633-85, Type III, SC2

Mounting Requirements (minimum):
The Structure and mounting hardware must be capable of withstanding a 90,000 in.-lbs (10,000 N.m) moment and a 5000 lbs. (2268 Kg.) vertical load. Installation MUST BE approved to local regulations by a qualified engineer.

Note: Concrete MUST BE sufficiently thick or have sufficient underlying structure to support the 5000 lbs. (2268 Kg.) vertical load requirement specified above.

Application Restrictions:
1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group Ltd. ONLY.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement MUST BE added to meet minimum requirements.
5. Each installation MUST BE approved to local standards by a qualified engineer.

Certification:
Core Mount Sleeve
Model#: 8510109 (Mild Steel) / 8510110 (S.S.)
Core Mount Sleeve
Model#: 8510109 (Mild Steel) / 8510110 (S.S.)
**Hitch Mount Sleeve**
Model #: 8510140

---

**Model 8511401 includes the following**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8510140</td>
<td>Hitch Mount Sleeve</td>
</tr>
<tr>
<td></td>
<td></td>
<td>accessories shown in gray, but not included</td>
</tr>
<tr>
<td>2</td>
<td>5210001</td>
<td>30” (750 mm) Lower Mast</td>
</tr>
<tr>
<td>3</td>
<td>8512820</td>
<td>18” (457 mm) Offset Upper Mast</td>
</tr>
</tbody>
</table>

**DESCRIPTION**

The CSG Safety Systems Hitch Mount Sleeve is designed to install into a 2” hitch receiver on an attendant vehicle to provide a portable anchor point for confined space entry / retrieval, rescue and fall-arrest systems. Various sockets, extensions and accessories are available to allow use of the sleeve in a multitude of situations.

---

**General Specifications:**

- **Working Load**: 450 lbs. (204 Kgs.)
- **Design Factor**: Dependent on other system components, Minimum 4:1
- **Proof Load**: 90,000 in.lbs (10170 N.-m.)
- **Proof Test**: UCT-015A
- **Weight**: 49 lbs. (22.2 kgs)

**Materials and Construction:**

- **General Construction**: Welded Steel/Aluminum
- **Weld Certification**: CWB-47.1, CWB-47.2
- **Material (aluminum)**: 5052-H32, 6061-T6 Aluminum
- **Finish (aluminum)**: Gray powder coat
- **Material (steel)**: H.R. Steel Plate, Sch. 40 Pipe
- **Finish (steel)**: Zinc Plated
- **Liner Material**: PVC Pipe, ASTM-D-1785
- **Thrust Bearing Material**: High Density Polyethene
- **Hardware**: Gr.5, Gr.8 - Zinc Plated
- **Plating Specification**: ASTM Designation B633-85, Type III, SC2

---

**Application Restrictions**

1. This device is intended for use with equipment and accessories manufactured and/or approved by Capital Safety Group Ltd. Accessories are subject to various application restrictions as outlined on the application accessory specification sheets.
2. Anchoring to an attendant vehicle may not be permitted within certain jurisdictions. Ensure that use of this equipment does not violate any regulations within your area.
3. The standard Hitch Mount Sleeve is to be used with a maximum 18" (457 mm) offset mast.
4. Hitch mount sleeve extensions are available to position the sleeve further away from the attendant vehicle. Only 1 extension at a time is to be used. Multiple hitch mount extensions ARE NOT to be used.
5. One mast extension up to a maximum of 24” (610 mm) may be used. Multiple extensions MUST NOT be used.
6. Each installation MUST BE approved to local standards by a qualified engineer.
Hitch Mount Sleeve
Model#: 8510140

<table>
<thead>
<tr>
<th>Item</th>
<th>Part no.</th>
<th>Description</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8510140</td>
<td>Hitch Mount Sleeve</td>
<td>shown in gray, but not included</td>
</tr>
<tr>
<td>2</td>
<td>5210001</td>
<td>30&quot; (750 mm) Lower Mast</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>8512820</td>
<td>18&quot; (457 mm) Offset Upper Mast</td>
<td>38&quot; (965 mm)</td>
</tr>
</tbody>
</table>
Flush Mount Sleeve
Model#: 8510311 (Mild Steel) / 8512828 (S.S.)

**Description**
Zinc plated mild steel or 304 stainless steel construction. Comes with cast-in-place concrete anchors for new construction or renovation. Flush mount design allows passage of traffic and eliminates trip hazards when not in use. Comes with PVC sleeve liner.

<table>
<thead>
<tr>
<th>General Specifications:</th>
<th>Application Restrictions:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (working load)</td>
<td>450 lbs. (205 Kgs.) @ minimum 4:1</td>
</tr>
<tr>
<td>Design Factor</td>
<td>Design Factor (see appl. restriction 2)</td>
</tr>
<tr>
<td>Mast Moment Proof Load</td>
<td>90,000 in.-lbs (10,000 N.m)</td>
</tr>
<tr>
<td>Mast Rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Weight</td>
<td>21 lbs (9.5 Kg)</td>
</tr>
</tbody>
</table>

*Note: Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.*

**Materials and Construction:**
- General Construction: Welded Steel/Stainless Steel
- Weld Certification: CWB-47.1
- Structure Material: A-36 Steel Plate/304 S.S.
- Sleeve Material: Sch. 40 Pipe/304 S.S.
- Sleeve Bearing Material: PVC Pipe - ASTM-D-1785
- Thrust Bearing Material: High Density Polyethene
- Finish (Steel Sleeves): Zinc Plated
- Finish (Stainless Steel): Brush Blast
- Plating Specification: ASTM Designation B633-85, Type III, SC2

**Mounting Requirements (minimum):**
Concrete: thickness 6” (150 mm)

The Structure and mounting hardware must be capable of withstanding a 90,000 in.-lbs (10000 N.m) moment and a 5000 lbs. (2268 Kg.) vertical load. Installation MUST BE approved to local regulations by a qualified engineer.

**Certification**

1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group Ltd. ONLY.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. If base material does not meet minimum requirements, reinforcement MUST BE added to meet minimum requirements.
4. Each installation MUST BE approved to local standards by a qualified engineer.
Flush Mount Sleeve
Model#: 8510311 (Mild Steel) / 8512828 (S.S.)
## General Specifications:

- **Rated Capacity (work load):** 450 lbs. (204 Kgs.) @ minimum 4:1
- **Mast Moment Proof Load:** 90,000 in.lbs (10,000N.m)
- **Mast Rotation:** 360°
- **Weight:** 21 lbs. (9.5 kg)

**Note:** Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.

## Materials and Construction:

- **General Construction:** Welded Steel/Aluminum
- **Weld Certification:** CWB-47.1,
- **Structure Material:** A-36 Steel Plate/304 S.S.
- **Sleeve Material:** Sch. 40 Pipe/304 S.S.
- **Sleeve Bearing Material:** PVC Pipe, ASTM-D-1785
- **Thrust Bearing Material:** High Density Polyethene
- **Finish (Steel Sleeves):** Zinc Plated
- **Finish (Stainless Sleeves):** Brush Blast
- **Plating Specification:** ASTM Designation B633-85, Type III, SC2

## Application Restrictions

1. Sleeves are for use with masts & accessories manufactured by Unique Concepts Ltd. ONLY.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4: 1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement MUST BE added to meet minimum requirements.
5. Each installation MUST BE approved to local standards by a qualified engineer.

## CERTIFICATION

Zinc plated mild steel or stainless steel construction. Recessed fasteners allow for bolt-in installations into existing concrete or steel structure. Flush mount deep design allows passage of traffic and eliminates trip hazards when not in use. Comes with PVC sleeve liner.
Flush Mount Sleeve
Model #: 8510316 (Mild Steel) / 8512827 (S.S.)
**General Specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (working load)</td>
<td>450 lbs. (250 kgs.)</td>
</tr>
<tr>
<td>Design Factor (minimum 4:1)</td>
<td>4:1</td>
</tr>
<tr>
<td>Mast Moment Proof Load</td>
<td>90,000 in-lbs (10000 N-m)</td>
</tr>
<tr>
<td>Proof Tests</td>
<td>Uct-174</td>
</tr>
<tr>
<td>Mast Rotation</td>
<td>360°</td>
</tr>
<tr>
<td>Weight</td>
<td>24 lbs (11 kg)</td>
</tr>
</tbody>
</table>

*NOTE: sleeves are designed to withstand the proof load rating of all standard UCL Systems masts.*

**Materials and Construction:**

- **General Construction:** Welded Steel/Stainless Steel
- **Weld Certification:** CWB-47.1
- **Structure Material:** A-36 Steel Plate/304 S.S.
- **Sleeve Material:** Sch. 40 Pipe/304 S.S.
- **Sleeve Bearing Material:** PVC Pipe - ASTM-D-1785
- **Thrust Bearing Material:** High Density Polyethene
- **Finish (Steel Sleeves):** Zinc Plated
- **Finish (Stainless Steel):** Brush Blast
- **Plating Specification:** ASTM Designation B633, TYPE II, CLASS 1

**Application Restrictions**

1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group **ONLY**.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement **MUST BE** added to meet minimum requirements.
5. Each installation **MUST BE** approved to local standards by a qualified engineer.

**Installation:**

Installation requires four fasteners to attach the center mounting sleeve to the structure. These fasteners must be able to withstand the minimum mounting requirements as stated.
General Specifications:
- Rated Capacity (working load) 450 lbs. (250 kgs.) @ minimum 4:1
- Design Factor (see appl. restriction 2)
- Mast Moment Proof Load 90,000 in-lbs (10000 N-m)
- Proof Tests Uct-174
- Mast Rotation 360°
- Weight 24 lbs (11 kg)

NOTE: sleeves are designed to withstand the proof load rating of all standard UCL Systems masts.

Materials and Construction:
- General Construction Welded Steel/Stainless Steel
- Weld Certification CWB-47.1
- Structure Material A-36 Steel Plate/304 S.S.
- Sleeve Material Sch. 40 Pipe/304 S.S.
- Sleeve Bearing Material PVC Pipe - ASTM-D-1785
- Thrust Bearing Material High Density Polyethene
- Finish (Steel Sleeves) Zinc Plated
- Finish (Stainless Steel) Brush Blast
- Plating Specification  ASTM Designation B633, TYPE II, CLASS 1

Mounting Requirements (minimum):
The structure and mounting hardware must be capable of withstanding a 90,000 in-lb (10000 N-m) moment and a 5000 lb (2268 kg) vertical load.

Anchors used to mount this base must have an installed minimum pull-out strength of 10000 lb (44.4 kN) and a shear strength of 5000 lb (22.2 kN). Installation must be approved to local standards by a qualified engineer.

Application Restrictions
1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group ONLY.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement MUST BE added to meet minimum requirements.
5. Each installation MUST BE approved to local standards by a qualified engineer.

Installation:
Installation requires four fasteners to attach the center mounting sleeve to the structure. These fasteners must be able to withstand the minimum mounting requirements as stated.
**CSG Advanced Floor Mount Sleeve**
Model#: 8516190 (Mild Steel) / 8518347 (S.S.)
8518503 (Galvanised Steel)

---

**Description**
Zinc plated* mild steel or 304 stainless steel construction. Mounts to horizontal concrete or steel structure. Comes with PVC sleeve liner.

* CSG Safety Systems Advanced Series sleeves feature zinc plating with a CS-500 sealant finish providing corrosion resistance similar to hot-dip galvanizing.

---

**General specifications:**
- Rated Capacity *(working load)*: 450 lbs. (205 Kgs.) @ minimum 4:1 Design Factor
- Mast Moment Proof Load: 90,000 In.-lbs (10,000 N.m)
- Proof Tests: UCT - 309, UCT - 313, 440
- Mast Rotation: 360°
- Weight: 13 lbs (5.9 Kg)

* Note: Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.

---

**Materials and Construction:**
- General Construction: Welded Steel
- Weld Certification: CWB-47.1
- Structure Material: A-36 Steel Plate/304 S.S.
- Sleeve Material: Sch. 40 Pipe/304 S.S.
- Sleeve Bearing Material: PVC Pipe - ASTM-D-1785
- Thrust Bearing Material: High Density Polyethene
- Finish *(Steel Sleeves)*: CS-500 Zinc Plated
- Finish *(Stainless Steel)*: Brush Blast
- Plating Specification: ASTM Designation
  - B633-85, Type III, SC2

---

**Mounting Requirements (minimum):**
The Structure and mounting hardware must be capable of withstanding a 90,000 in.-lbs (10,000 N.m) moment and a 5000 lbs. (22.2 KN) vertical load.

Anchors used to mount this base must have an installed minimum pull-out strength of 12000 lb (53.3 KN) and a shear strength of 5000 lb (22.2 KN).

Installation **MUST BE** approved to local regulations by a qualified engineer.

---

**Application Restrictions:**
1. Sleeves are for use with masts & accessories manufactured by Capital Safety Group Ltd. **ONLY**.
2. System design factor depends on other system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
3. All welding is to be carried out by qualified personnel.
4. If base material does not meet minimum requirements, reinforcement **MUST BE** added to meet minimum requirements.
5. Each installation **MUST BE** approved to local standards by a qualified engineer.

---

**CERTIFICATION**
General specifications:
Rated Capacity (working load)  450 Ibs. (205 Kgs.) @ minimum 4:1
Design Factor (see appl. restriction 2)
Mast Moment Proof Load 90.000 In.-Ibs (10,000 N.m)
Proof Tests UCT - 309, UCT - 313, 440
Mast Rotation 360°
Weight 13 Ibs(5.9 Kg)

Note: Sleeves are designed to withstand the proof load rating of all standard CSG Systems masts.

Materials and Construction:
General Construction Welded Steel
Weld Certification CWB-47.1
Structure Material A-36 Steel Plate/304 S.S.
Sleeve Material Sch. 40 Pipe/304 S.S.
Sleeve Bearing Material PVC Pipe - ASTM-D-1785
Thrust Bearing Material High Density Polyethene

Finish (Steel Sleeves) CS-500 Zinc Plated
Finish (Stainless Steel) Brush Blast

Plating Specification ASTM Designation B633-85, Type III, SC2

Mounting Requirements (minimum):
The Structure and mounting hardware must be capable of withstanding a 90,000 in.-lbs (10000 N.m) moment and a 5000 Ibs. (22.2 kN.) vertical load.

Anchors used to mount this base must have an installed minimum pull-out strength of 12000 Ib (53.3 KN) and a shear strength of 5000 Ib (22.2 KN).

Installation MUST BE approved to local regulations by a qualified engineer.

Application Restrictions:
Sleeves are for use with masts & accessories 1. manufactured by Capital Safety Group Ltd. ONLY.
System design factor depends on other 2. system components and the configuration in which they are assembled. The minimum design factor for all standard CSG Safety Systems masts and accessories is 4:1.
All welding is to be carried out by qualified 3. personnel.
If base material does not meet minimum 4. requirements, reinforcement MUST BE added to meet minimum requirements.
Each installation MUST BE approved to local standards by a qualified engineer.

CERTIFICATION
Full Text Document

**Portable Fall Arrest System Floor Mount Sleeve**

Model #: 8513945

---

**DESCRIPTION:**

The CSG model 13945 Floor Mount Sleeve is designed for use with CSG Portable Fall-arrest System components in a variety of applications. Welded steel construction allows for bolt or weld-on installation and provides a permanent location for easy installation of the Portable Fall-arrest System posts.

---

<table>
<thead>
<tr>
<th>Item</th>
<th>Part no.</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8513945</td>
<td>1</td>
<td>WELD ON SLEEVE</td>
</tr>
</tbody>
</table>

Accessories shown but not included

<table>
<thead>
<tr>
<th>Item</th>
<th>Part no.</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>8513391</td>
<td>1</td>
<td>Horizontal Lifeline Post</td>
</tr>
</tbody>
</table>

---

**Application Restrictions**

1. This product is designed for use with accessories manufactured or approved by Capital Safety Group Ltd. only.
2. All accessories MUST BE compatible with all other system components’ requirements, and MUST BE installed, used and maintained according to the manufacturer’s instructions.
3. Each installation MUST BE approved to local standards by a qualified engineer.

**Mounting Requirements:**

To meet the strength requirements of all currently approved applications of the horizontal lifeline post, this sleeve MUST BE mounted to a structure capable of supporting a minimum of 445,000 in/lb moment and a 5000 lb. (2272 kg) vertical load. This strength requirement however may be impractical and unnecessary for some applications. Application specific mounting requirements may be determined by a qualified engineer giving due consideration to the rated capacities, proof load ratings, design factors and regulatory requirements of all system components and the system as a whole.

*see mounting recommendations on pg. 2 of 2
MOUNTING RECOMMENDATIONS FOR HORIZONTAL LIFELINE POST SLEEVES

Providing that all applicable strength requirements are met, CSG Safety Systems offers the following installation guidelines:

1. FOR BOLTED INSTALLATIONS
   - Use 3/4” UNC grade 8 fasteners or better.
   - For drill & tap installations, drill & tap a minimum of 1” deep full thread.
   - Use zinc plated fasteners for additional corrosion resistance.
   - Lock nuts and/or lockwashers and/or thread locker are recommended for all threaded installation.

2. FOR WELDED INSTALLATIONS
   - Use a minimum 5/16” fillet weld for all structural welds.
   - Seal weld all installations and seal weld any unused mounting holes to prevent corrosion under the plates.
   - All welding MUST BE done by certified personnel using appropriate equipment and procedures.

3. FOR ALL INSTALLATIONS
   - Existing structure MUST BE reinforced as instructed by the installing engineer.
   - Sleeves, supporting and reinforcing structure should be painted after installation to prevent corrosion.
   - With due consideration to all system components rated capacities, proof load ratings, design factors and applicable regulatory requirements, each installation MUST BE approved to local standards by a qualified engineer.
   - Semi-annual inspection is required by OSHA, and must be performed by a competent fall-protection equipment/welding inspection person.
**Model 15162 includes the following**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part no.</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>1</td>
<td>Sleeve Tube Assembly</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>1</td>
<td>Lower Mounting Plate</td>
</tr>
<tr>
<td>2</td>
<td>N/A</td>
<td>1</td>
<td>Upper Mounting Plate</td>
</tr>
<tr>
<td>4</td>
<td>N/A</td>
<td>4</td>
<td>3/8 N.C. Flat Head Socket Cap Screw</td>
</tr>
<tr>
<td>5</td>
<td>N/A</td>
<td>1</td>
<td>Plastic Sleeve</td>
</tr>
<tr>
<td>6</td>
<td>N/A</td>
<td>4</td>
<td>5/16 USS Flat Washer</td>
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<tr>
<td>7</td>
<td>N/A</td>
<td>4</td>
<td>3/8 N.C Nylon Lock Nut</td>
</tr>
<tr>
<td>8</td>
<td>15105</td>
<td>1</td>
<td>Plastic Spacer</td>
</tr>
</tbody>
</table>

**Description**

The Deck Mount Sleeve is designed for permanent installation into steel or other suitable decking material from 1/4” - 2” thick.

*Note: Deck thicknesses less than 11/2” (12 mm) require shorter mounting bolts & deck thicknesses in excess of 1 112”(38 mm)) require longer mounting bolts than are supplied standard. Please contact your local dealer or the manufacture for assistance.*

**General Specifications:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Capacity (Working Load Limit)</td>
<td>450 lbs. (205 Kg.)</td>
</tr>
<tr>
<td>Proof Load</td>
<td>90,000 in.lbs. (10 KN.m)</td>
</tr>
<tr>
<td>Proof Tests</td>
<td>UCT-110, UCT-117</td>
</tr>
<tr>
<td>Weight</td>
<td>17 lbs. (7.7 Kg.)</td>
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</tbody>
</table>

**Materials & Construction:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Construction Material</td>
<td>Machined Steel/S.S.</td>
</tr>
<tr>
<td>Material</td>
<td>Mild Steel/304S.S./316S.S.</td>
</tr>
<tr>
<td>Hardware (minimum)</td>
<td>Gr.8 Steel, Zinc</td>
</tr>
<tr>
<td>Plated/304 (18-8)316S.S.</td>
<td>Zinc CS-500</td>
</tr>
<tr>
<td>Finish (Steel)</td>
<td>Type II, III Zinc SC2</td>
</tr>
<tr>
<td>Plating Specification</td>
<td>ASTM B633-85</td>
</tr>
</tbody>
</table>

**Application Restrictions**

1. Minimum deck thickness 1/4” steel. Maximum deck thickness 2”.
2. For use with DBI Sala products & accessories ONLY.
3. Mounting surface & hardware must be capable of supporting a minimum 90,000 in/lb. (10 Kn.m) moment and a 5000 lb. vertical load.
4. Each installation MUST BE approved to local standards by a qualified engineer.
**Installation Instructions:**

1. Cut Ø4 1/16” hole through decking surface.
2. Thread lower plate on to sleeve tube so that top of lower plate is deck thickness + 1/2" from the threaded end of sleeve tube.
3. Install sleeve tube & lower plate from underside of deck. Thread upper plate on to sleeve tube. Tighten using special installation tools (*item #13865*) or other means.
4. Using a Ø13/32 drill bit & using the holes in the upper plate as a guide, drill 4 holes through the deck and the lower plate.
5. From the top, install the 3/8” flat head socket cap screws. Install flat washers & nuts below lower plate and tighten using the appropriate tools.
   
   *Note: use red (#262 or #271) loctite or equivalent thread locker on all threaded connections*

* For deck thicknesses less than 1/2” (12 mm) shorter mounting bolts **MUST BE** used.

* For deck thicknesses greater than 1 1/12” (39 mm) longer mounting bolts **MUST BE** used. Contact your local dealer or the manufacturer for assistance.

**MINIMUM DECK THICKNESS 1/4” STEEL**  
**MAXIMUM DECK THICKNESS 2.0” STEEL**

ALL MOUNTING HARDWARE MUST BE PURCHASED FROM YOUR LOCAL DEALER OR CAPITAL SAFETY.