Model: DSP-F3 (Plated Steel) & DSS-F3 (Stainless Steel) Flush Floor Sleeve for Existing Floor Surface
- The Pelsue Models #DSP-F3 & #DSS-F3 Floor Sleeves are designed to be installed in any existing horizontal surface. The sleeve provides a fixed receiver for any PELSUE DK Series offset arm davit system. The sleeve can be surface-mounted, leaving the plate height(1/2") plus the height of any fastener heads protruding above the floor’s surface. The sleeve’s base plate can also be recessed in the floor by machining an appropriately-sized rectangular slot thereby only leaving the height of the fastener heads protruding above the floor’s surface. Either method will result in a semi-flush installation, in order to minimize potential trip hazards. Caps can be purchased separately in order to seal off the receiver hole when not in use.

General Specifications:

**Product is Designed & tested to be used in 2 General Applications:**
1. As a mounting point for an offset davit system to be utilized as a personnel or equipment lowering, lifting, and positioning device.
   - **Man Rated Load Capacity:** ........350 LBS. (159 KG.) Maximum at up to a 48” offset
2. As a mounting point for an offset davit system to be utilized as an anchorage for a personal fall arrest system.
   - **Compliance:** Designed and tested as an Anchorage for the attachment of Personal Fall Arrest Equipment as per OSHA Regulations (Standards 29 CFR) Part 1926

**Warning! A 900 LB. maximum arrest force fall arrest device must be used when this product is employed as part of a complete fall arrest system.**

Materials & Construction:

General Construction......Welded Carbon Steel
   (DPS-F3) or Welded Stainless Steel
   (DSS-F3)

Anti-Friction Components:
- Grey PVC Slip Plate & ABS Plastic Friction Sleeve

Weight:

- Weight.........21 LBS.

Mounting Requirements:

Metal Structure: Secure with 3/4”UNC SAE Grade 5 (ASTM A325) or better threaded fasteners and included 3/4” Hardened flat washers. Ensure that supporting structure will withstand tensile working loads in each bolt of 4200 Lb. (18.7 kN) with at least a 2:1 Factor of Safety.

Concrete: Install Using concrete wedge-type anchors with a reported tensile working strength of 3000 Lb. (13.4 kN) with at least a 4:1 Factor of Safety. Concrete Strength & thickness must be sufficient in order to meet or exceed the fastener manufacturer’s guidelines. **Contact Pelsue for additional assistance.**

**NOTE - The Mounting Requirements shown on this document are guidelines for safe-installation. Consult the Proof Load Table in this document & have concrete & installation of system approved by installing engineer.**
** DS Series Permanent Sleeve Systems - Proof Load Tabulation **

<table>
<thead>
<tr>
<th>Product Kit</th>
<th>Product Accompanying System</th>
<th>Proof Load &amp; Torsional Proof Load About Sleeve Center</th>
<th>Fall Arrest Anchorage Compliance</th>
<th>Personnel Hoist &amp; Retrieval Ratings***</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK1824 18&quot; &amp; 24&quot; 5000 LB. 10000 Ft.-Lb.</td>
<td>A10.14 (1 person)</td>
<td>A10.14 (1 person)</td>
<td>NSI Z359 (1 person)</td>
<td>OSHA 1926.502 (1 person)</td>
</tr>
</tbody>
</table>

**Definitions:**
- **Proof Load**: The load attained on the structure and sustained by the structure for a period of 2 minutes with no visible signs of structural failure.
- **Torsional Proof Load About Sleeve Center**: The load that causes a specific torsional movement about the sleeve center.
- **Fall Arrest Anchorage Compliance**: The load that ensures the anchorage system meets the required safety standards.
- **Personnel Hoist & Retrieval Ratings***: The load that ensures the equipment is rated for personnel use with the specified safety factor.

**Notes:**
- **ALL DIMENSIONS IN INCHES UNLESS OTHERWISE STATED**
- **Compliance is dependent upon usage of product within manufacturer's guidelines and in conjunction with only approved PELSUE brand equipment and sub components.**
- **Proof Load is defined as the load attained on the structure and sustained by the structure for a period of 2 minutes with no visible signs of structural failure.**

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**PELSUE®**

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