



# Product Specifications

## 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**

### 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.**

**\*\*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.**



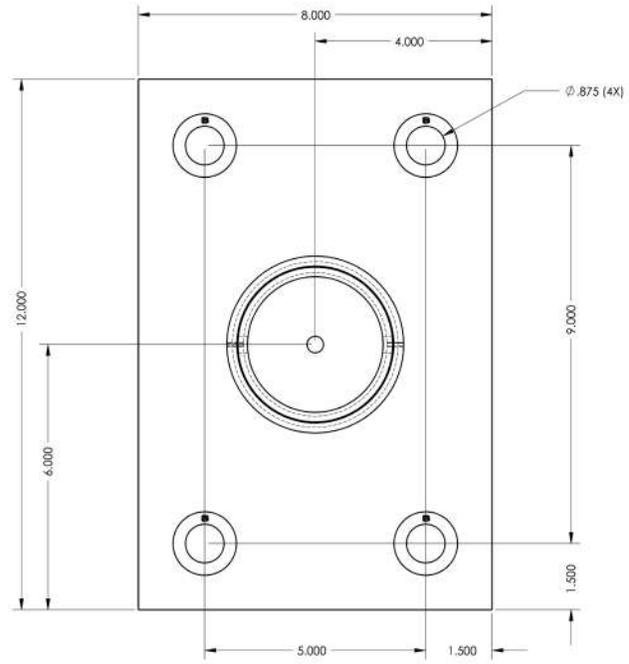
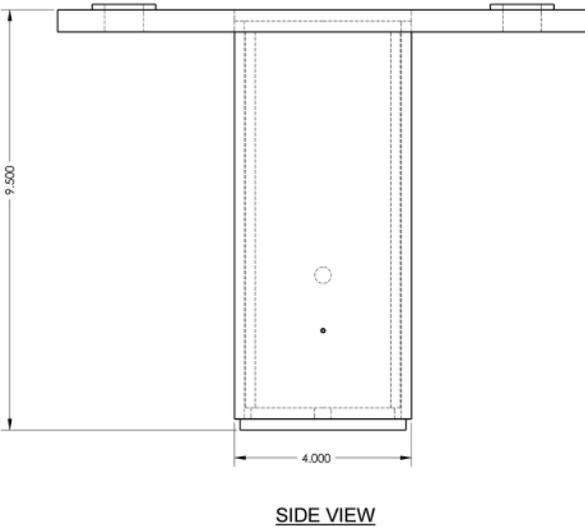
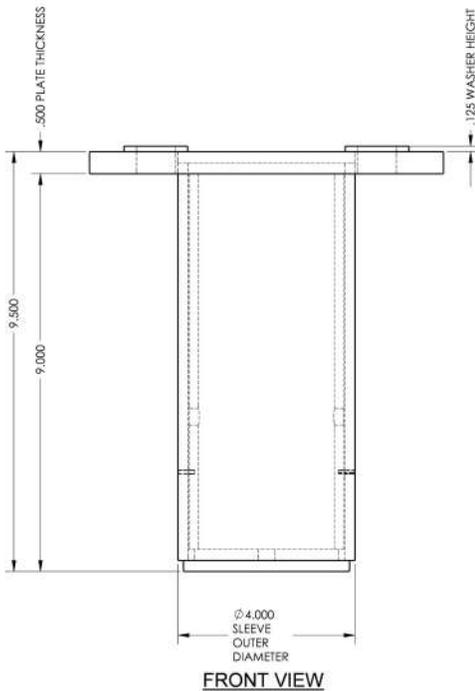
**\*\*NOTE - The Mounting Requirements shown on this document are guidelines for safe-installation. Consult the Proof Load Table in this document & have concrete & installation of system approved by installing engineer.**



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**\*\* ALL DIMENSIONS IN INCHES UNLESS \*\***  
**\*\* OTHERWISE STATED \*\***

## DS Series Permanent Sleeve Systems - Proof Load Tabulation

Product	Accompanying System	Product Offsets	Proof Load* Attained at Maximum Offset	Torsional Proof Load About Sleeve Center	Fall Arrest Anchorage Compliance** at Maximum Offset	Personnel Hoist & Retrieval Ratings*** at Maximum Offset
DS Series Permanent Sleeve Systems	DK1824	18" & 24"	5000 LB.	10000 Ft.-Lb.	ANSI Z359 (1 person) ANSI A10.14 (1 person) OSHA 1926.502 (1 person)	1 Person (350 LBS. / 159 KG Maximum Weight) with better than a 14:1 Factor of Safety
	DK3036	30" & 36"	3600 LB.	10800 Ft.-Lb.	ANSI A10.14 (1 person) OSHA 1926.502 (1 person)	1 Person (350 LBS. / 159 KG Maximum Weight) with better than a 10:1 Factor of Safety
	DK4248	42" & 48"	1800 LB.	7200 Ft.-Lb.	ANSI A10.14 (1 person) OSHA 1926.502 (1 person)	1 Person (350 LBS. / 159 KG Maximum Weight) with better than a 5:1 Factor of Safety

\* 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.

\*\* Compliance is dependent upon usage of product within manufacturer's guidelines and in conjunction with only approved PELSUE brand equipment and sub components

\*\*\* Ratings are arrived at by PELSUE engineering taking into account test data for each structure, applicable and relevant governing standards, and overall good sense. Ultimately, published ratings should be used as a reference allowing the end user to arrive at a comfortable Factor of Safety based upon usage conditions and experience.

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