



# Product Specifications

**Model: DSP-C2 & DSS-C2 (Stainless Steel)**  
**Cylinder Core Floor Sleeve for concrete surface**

The Pelsue Models #DSP-C2 & #DSS-C2 Floor Sleeves are designed to be installed in any fresh or existing concrete floor surface. The sleeve provides a fixed receiver for any PELSUE Brand offset arm or davit system. The sleeve can be installed in freshly poured concrete flush to the finished floor surface resulting in a protrusion free, flush floor installation. The sleeve can also be installed in existing concrete by drilling an appropriately-sized hole in order to fully recess the sleeve in the floor. The sleeve should also be fixed in place with grout or epoxy at the sleeve/floor interface. Either installation will result in a completely flush floor surface, 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 (DSP-C2) or Welded Stainless Steel (DSS-C2)**

**\*\*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.**

### **Anti-Friction Components:**

- Grey PVC Slip Plate & ABS Plastic Friction Sleeve

## Weight:

**Weight.....8.5 LBS.**

## Mounting Requirements:

*Both the Model #DSP-C2 & #DSS-C2 are designed to be mounted in a flat horizontal concrete surface. The concrete surface should be of at least 2000 PSI compressive strength and at least 12" deep. Installed sleeves should be secured to concrete with grout or epoxy. Grout or epoxy must be compliant with environmental conditions.*

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

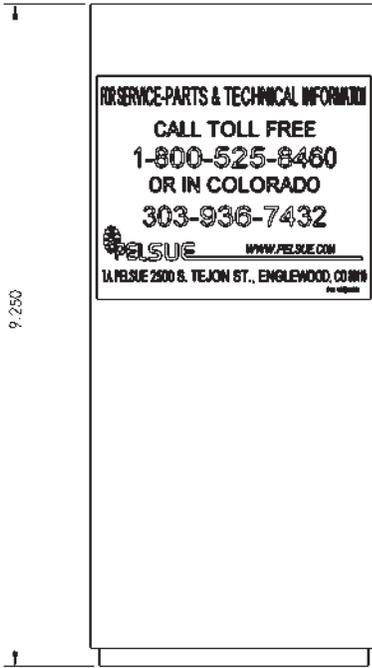


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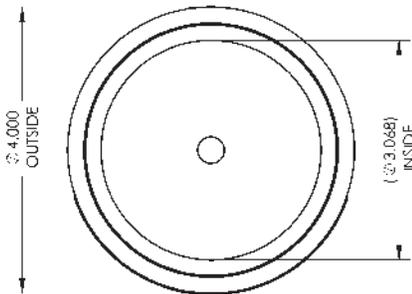


FRONT VIEW



SIDE VIEW

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



TOP VIEW

## 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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