

Diameter of the center hole of the optical cable reel

Article Overview

Optical cable reels typically feature a central spindle hole ranging from 25 mm to larger diameters depending on the reel type, with additional mounting holes such as 8.4 mm or M8 for chassis attachment.

Central Spindle Hole

The spindle bore is the main hole through which the reel is mounted or rotated on an axle. For example:

- o The Prysmian F26 polymer reel has a spindle bore diameter of 25 mm for fiber cord deployment .
- o Larger reels, such as wooden or heavy-duty polymer reels, may have reinforced spindle holes with steel bushings, and the exact diameter depends on the reel series and size . This hole ensures the reel can rotate smoothly on a shaft or axle during cable deployment or retrieval.

Chassis and Mounting Holes

For reels designed with mounting to a fixed surface, such as the Princetel FCR-1000 series:

- o Top chassis holes: 4 holes with 8.4 mm diameter for securing the reel to a solid surface .
- o Bottom chassis holes: 4 M8 x 1.25 tapped holes for additional mounting options . These holes are typically located on the side plates or cross angles of the reel chassis and are used for bolting the reel securely in place.

Summary

- o Spindle bore (central hole): 25 mm for small polymer reels (F26) and variable for larger reels, often reinforced with steel bushings .
- o Chassis mounting holes: 8.4 mm diameter or M8 tapped holes for secure attachment .
- o Drum and side plate dimensions: Drum diameters range from 154 mm upwards, with side plates from 300-450 mm depending on the reel model . These dimensions ensure compatibility with deployment systems, axles, and mounting surfaces, while protecting the fiber optic cable during handling and transport.

The international community has established unified standards for the dimensions of optical cables. This article will

Bunchers and cable stranders are a core competency for us, as well as wire drawing equipment.



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Yes. The overall reel wrap can be more substantial, the inside cable end is not shipped protruding from the test hole and the wood

About the Reel The FCR-1000 series cable reels are designed to fit Princetel's standard FORJs and slip rings. The rotary joints are

Today, our largest reels (500kg) accommodate a prodigious amount of high-precision wire so our customers enjoy longer production

In table 2a and 2b, the maximum nominal capacity of the reels is given as a function of the cable diameter in the table below. It is not

Cable pierces "A" hole from the inside of roll plate and through "B" fixed point into "C" cable end. Connect the cable with carbon

This reel keeps optical fibers safe. The 250° buffer protects each strand. It prevents kinks exceeding the 30mm minimum bend

Learn how to choose the right cable reel size and dimensions. Avoid costly sizing mistakes with our guide to core

A table then lists specifications for various sized reels, including their dimensions, weight, and maximum cable carrying capacity.

AEN165, Revision 5 This Applications Engineering Note (AE Note) addresses common issues regarding cable pay-off during outside

Holds up to 500 feet of 2-Channel and 4-Channel tactical fiber. Fiber ready hub maintains critical bend

Fiber optic cables are composed of one or more transparent fibers enclosed in protective coverings and strength members. Fiber

The standard cladding diameter for most optical fibers is 125um, and the standard outer protective layer diameter is

Reel Dimensions and Capacity Reel Dimensions and Capacity

IWG Reel Dimensions- Internet Catalog.xls International Wire Reel Dimensions

Web: <https://bssoda.pl>

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