

# Instruction Manual

## Roller and rigid tips



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## 1. General Information

The Comde-Derenda D series roller and rigid tips are high quality, consumable accessories for white canes.

All roller and rigid tips are designed for both indoor and outdoor use.

These operating instructions are intended to familiarize you systematically and comprehensively with the characteristics, functions and installation of your roller or rigid tip. It also contains a number of important safety instructions. Please read them carefully. Unless otherwise indicated, instructions and descriptions apply to all models. Please note that some details of the descriptions and illustrations may differ from the characteristics of your roller or rigid tip.

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## 2. Instructions for use

### Functionality

The tips for our white canes are either a rigid tip or a roller tip. Rigid tips are rigidly attached to the bottom tube of the cane. They are used to explore the ground by touching and tipping, while roller tips can be used to feel the ground by rolling over it, with help a swivel which allows the tip to roll over the ground. Both kinds of tips have a body made of an abrasion-resistant material that is worn away during use and must be replaced at regular intervals. For the rigid tip, this could be done by changing the complete tip. For the roller tip, the swivel can be used several times and only the cap is to be replaced.

### Changing the rigid tip

The rigid tips (models D25KB, D35KB, D14F, D80Snow) are manually screwed into the thread on the bottom tube, without any further aid. The O-ring at the end of the threaded pin ensures a firm but detachable fit of the rigid tip by clamping. The tightness should be checked from time to time, as the probing movement may cause vibrations that could cause the screw connection to loosen. If the tip is to be loosened, it can be screwed out of the thread manually.



Fig. 1: Rigid tip D25KB

### Changing the roller tip

The roller tip consists of two parts: the swivel and the replaceable roller cap. When delivered, the rolling element (cap) is connected to the swivel by grub screws to form a unit. The roller tip is screwed into the thread of the bottom tube with the open-ended wrench supplied with the purchase. For this purpose, the open-end wrench is placed on the sharp-edged wrench face of the pivot bearing. With a second open-ended wrench the bottom pipe of the stick can be held in place at its edged end.

The O-ring at the end of the threaded pin ensures a firm but detachable fit of the tip by clamping. The tightness should be checked from time to time, as the probing movement may cause vibrations that could cause the screw connection to loosen.

If the tip is to be loosened, it can be unscrewed from the end of the white cane using the open-ended wrench supplied.



Fig. 2: Roller tip D34KW

## Changing the rolling element (cap) of the roller tip

The cap is connected to the swivel by two grub screws. They are released with the Allen key supplied. The worn-out cap is removed from the swivel, the new cap is fitted and the grub screws are tightened again with the Allen key.



**Fig. 3: Cap and swivel**

## Special conditions of use - S80Snow

The sliding tip S80Snow is designed for use in snowy areas where smaller tips get stuck in the snow. Let the tip glide over the snowy ground for use. The tip is not made for use on asphalt, gravel paths or similar – this would lead to fast wear.

## 3. Important notes

### Instructions for use

Your Comde-Derenda roller or rigid tip is a precision object developed with great attention to detail, which, when used properly, will provide you with reliable support. To ensure a long service life, make sure that you treat your tip with care. Do not use the roller or rigid tips for any other purpose than described.

Orientation with a white cane usually needs to be learned. To learn the correct technique, we recommend working with a mobility trainer, who will familiarize you with all the functions of your white cane and its tips.

### Cleaning

If the tip is dirty and needs cleaning, you can wipe it with lukewarm water and a cloth until the dirt is removed.

### Maintenance

Check occasionally that the cap is firmly seated on the swivel. If the cap is not firmly seated on the swivel, align it straight and, using an Allen key, gently tighten the two grub screws that hold the tip to the swivel. Apply only moderate force to prevent the thread from tearing.

Check the mobility of the swivel occasionally. If it is mechanically blocked and does not rotate smoothly and easily, we recommend a replacement.

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## 4. Type overview

### Rigid tips

#### **D25KB**

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Material: POM black  
Diameter: 25 mm  
Weight: approx. 14 g  
Shape: Pear

#### **D35KB**

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Material: POM black  
Diameter: 35 mm  
Weight: approx. 32 g  
Shape: Pear

#### **D14KF**

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Material: POM black  
Diameter: 14 mm  
Weight: approx. 15 g  
Shape: Finger

#### **D80Snow (Sliding tip)**

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Material: POM orange  
Diameter: 80 mm  
Weight: approx. 100 g  
Shape: Ball

### Roller tips

#### **D30KB**

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Material: POM black  
Diameter: 30 mm  
Weight: approx. 28 g  
Shape: Ball

#### **D35KB**

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Material: POM black  
Diameter: 35 mm  
Weight: approx. 34 g  
Shape: Pear

#### **D66KT**

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Material: POM white  
Diameter: 66 mm  
Weight: approx. 56 g  
Shape: Disc

#### **D56AmbuM**

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Material: PA white  
Diameter: 56 mm  
Weight: approx. 67 g  
Shape: Ball

#### **D30AB**

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Material: Aluminum  
Diameter: 30 mm  
Weight: approx. 43 g  
Shape: Ball

#### **D56Ambu Rot**

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Material: PA red  
Diameter: 56 mm  
Weight: approx. 67 g  
Shape: Ball

**D30FKB**

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Material: NFRP  
Diameter: 30 mm  
Weight: approx. 26 g  
Shape: Ball

**D35FKB**

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Material: NFRP  
Diameter: 35 mm  
Weight: approx. 33 g  
Shape: Pear

**D34KW**

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Material: POM white  
Diameter: 34  
Weight: approx. 43 g  
Shape: Cylinder/"Marshmallow"

**D45KB**

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Material: POM white  
Diameter: 45 mm  
Weight: approx. 55 g  
Shape: Pear