



## INSTRUCTION SHEET

# SET THE BACK CANES ANGLE ON A RIGID WHEELCHAIR (APEX)

**i** This document describes how to **set the back canes angle** on a **rigid wheelchair (APEX)** with a **fold down, locking, depth and angle adjustable mechanism**.

### Wheelchair model(s)

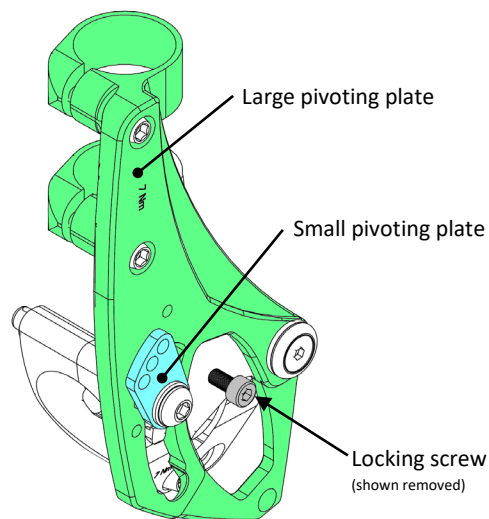
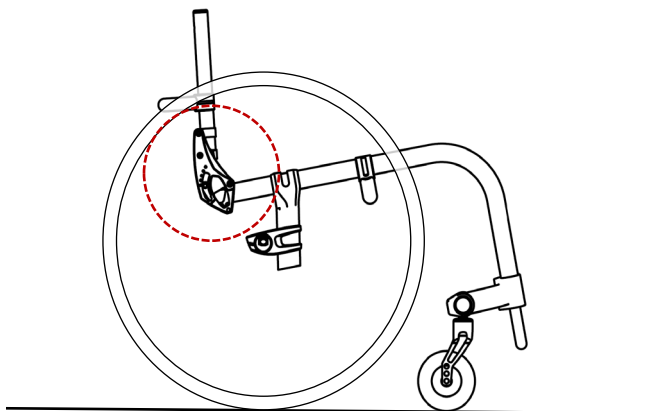
- APEX A, C and P

### Tool(s) and materials required

- Hexagonal keys (Allen keys): 3 mm, 4 mm
- Torque wrench
- Angle gauge
- Medium strength threadlocker adhesive (Blue Loctite)

### CANE ANGLE ADJUSTMENT MECHANISM

- Back cane angles on both sides are set by **pivoting two (2) plates** (one large and one small) and inserting a **locking screw** through a **hole on both plates** (a hole set). This system provides **14 different angle settings** with **3° increments**.



- In this document we describe **two methods** to **adjust the back canes angle**. Each method uses **difference reference surfaces**:
  - Set the back canes angle **relative to the seat**
  - Set the back canes angle **relative to the floor**

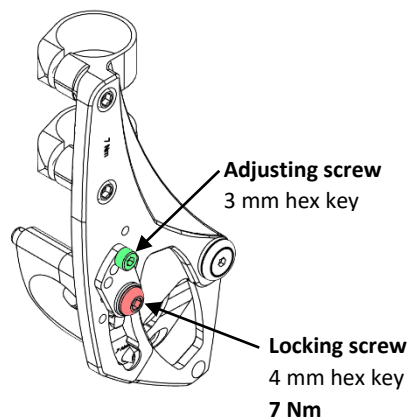
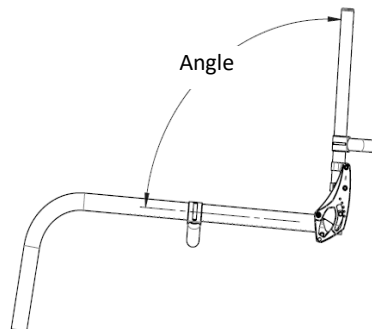
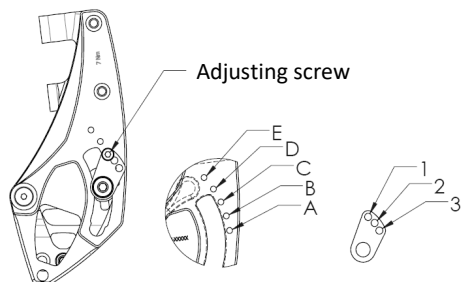


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# SET THE BACK CANES ANGLE ON A RIGID WHEELCHAIR (APEX)

### SET THE BACK CANES ANGLE RELATIVE TO THE SEAT

- **IMPORTANT:** The method is to set the back cane **angle relative to the SEAT**, not relative to the floor (see next section)
- In the **table** on the right, **find the hole set** to adjust the **back cane angle** according to the **therapist prescription**:
  - Find the **closest value** to the **desired angle** in the **“Angle” column**
  - On the same line, under the **“Hole set” column** you will find the **hole set reference** to adjust the back cane angle
  - As shown in the illustration below, the **hole set** refers to a **hole** on the **large pivoting plate** identify by a **letter** and to a **hole** on the **small pivoting plate** identified by a **number**



- Set the back cane angle on both sides:
  - **Loosen the locking screw** (4 mm hex key)
  - **Unscrew and remove the adjusting screw** (3 mm hex key)
  - Put **medium strength threadlocker adhesive** (blue Loctite) on the **last threads** of **both screws**
  - **Pivot both plates** to **align the holes** in both plates according to the **hole set reference**
  - **Reinstall and screw the adjusting screw** at the **hole set position**
  - **Tighten the locking screw** with a torque of **7 Nm**

Angle (degrees)	Hole set (2 plates)
65	A1
68	A2
71	A3
74	B1
77	B2
80	B3
83	C1
86	C2
89	C3
92	D1
95	D2
98	D3
101	E1
104	E2



## INSTRUCTION SHEET

# SET THE BACK CANES ANGLE ON A RIGID WHEELCHAIR (APEX)

### SET THE BACK CANES ANGLE RELATIVE TO THE FLOOR

- **IMPORTANT:** The method is to set the back cane **angle relative to the FLOOR**, not relative to the seat (see previous section)
- **Loosen** the **locking screw** (4 mm hex key)
- **Unscrew** and **remove** the **adjusting screw** (3 mm hex key)
- Put **medium strength threadlocker adhesive** (blue Loctite) on the **last threads** of **both screws**
- **Zero** the **angle gauge** on the **floor**
- Position an **angle gauge** on a **backrest cane**
- Set the **cane** at the **desired angle from the floor**
- Pivot both plates to find the **closest matching hole set**
  - **Increments** between hole sets are **3°**.
- **Reinstall** and **screw** the **adjusting screw** in the **matching hole set**
- Tighten the **locking screw** with a torque of **7 Nm**

