

Miller's

Adaptive Technologies

INSTALLATION INSTRUCTIONS

DYNAMIC COIL SPRING, "DOUBLE-D" (FOR AXIAL ROTATION OF THE FOOT AND ANKLE) PRODUCT: 33459 Series

TOOLS NEEDED: 3/16" HEX KEY

Purpose:

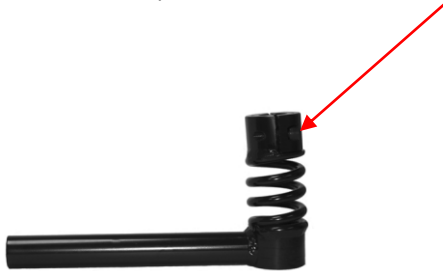
This Dynamic "Double-D" Coil Spring is a heavy-duty coil that attaches over the top of a 1" OD hanger (#33459A) or over a straight 3/4" OD lower extension tube (#33459). This coil spring includes a 3/4" OD x 6" long footplate mounting tube that is welded to the bottom "pass-through" collar of the device. It is used as an interface between the footrest hanger components and the footplate to allow resistive rotational movement of the footplate at the foot and ankle. A controlled resistive rotation may aid to prevent breakage of static wheelchair footrest components including hangers and footplate mounts. This device allows resistive rotational movement of the lower extremity, at the foot and ankle, and then returns the lower extremity to a preferred starting position. This device can also provide additional client benefits, such as increased sitting tolerance, while simultaneously reducing discomfort and/or pressure and reducing ongoing expensive repairs. This device attaches to the wheelchair footrest hanger components and is secured in place with a single shaft collar.

Precautions:

The installation of this device may require the temporary removal of OEM fasteners and adapters that lock the lower extension tube in place inside of the footrest hanger in order to replace the OEM components with a straight lower extension tube. In some cases, removing the footplate from a straight OEM lower extension tube will allow installation of this device over the top of a straight OEM tube. Care should be taken at the time of installation to insure that the straight lower extension tube remains inserted and secured into the OEM hanger if one is used. OEM fasteners may be reused once thru-holes have been drilled into the straight/accessory lower extension tube. This device requires that the hanger or lower extension tube passes a minimum of 1/2" through the bottom of the "pass-through" collar. **Miller's assumes no responsibility for injuries which may result from improper installation or use of this device.**

Directions:

Step 1. Use a 3/16" hex key to loosen the fasteners and remove the outside half of the split shaft collar from the device.



Step 2. Remove any fasteners or adapters that secure the OEM footplate to the lower extension tube.



Step 3. Slide the "Double-D" coil spring onto the 1" OD hanger or the 3/4" OD lower extension tube as applicable.
***The hanger or lower extension tube must pass through the bottom collar a minimum of 1/2".**



Step 4. Adjust the position of the dynamic coil spring with a footplate attached to the support tube in order to accommodate the knee-to-heel distance required for the client. Tighten the collar fasteners to secure in place.



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