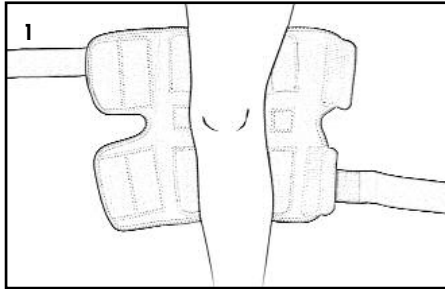


## 12" Velocity Hinged Knee (Anterior Closure)

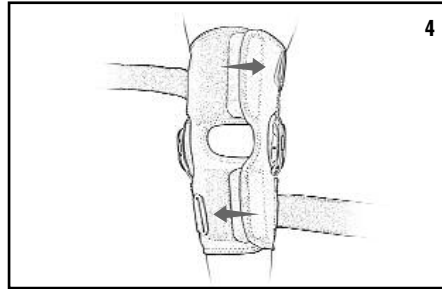
**Warnings and Instructions: Review carefully, proper application is required**

**Warning:** This device will not prevent or eliminate risk of injury. Do Not Over-tighten. If swelling, pain, skin irritation, or an unusual reaction occurs, discontinue use immediately and consult your medical professional. This device should not be worn by persons with known allergies to neoprene.

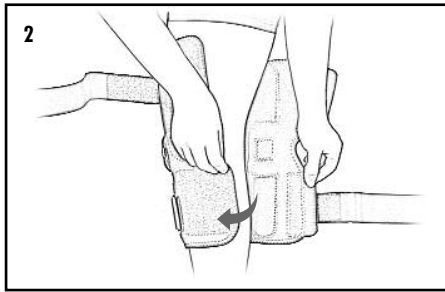
**Care:** Hand wash using mild soap. Rinse thoroughly. Air dry only. Do not tumble dry.



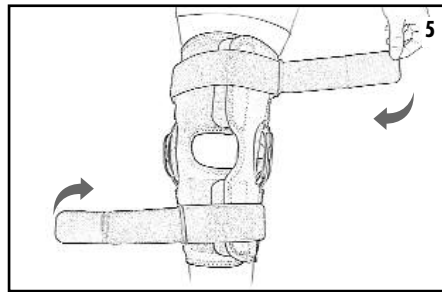
1. Center brace on back of leg.



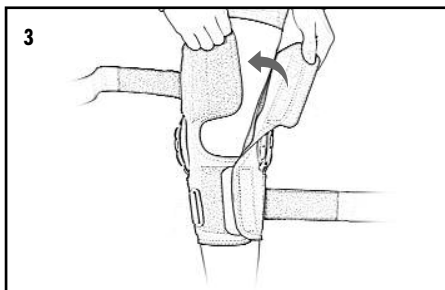
4. Pull straps through D-rings.



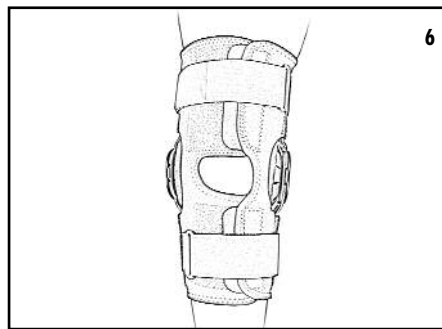
2. Apply calf closure.



5. Secure straps.



3. Apply thigh closure.



6. Finished application.

**See Hinge Stop Application Instructions on Back**

**HELY & WEBER**

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Rev B 4/09

# Hely & Weber

## Hinge Stop Application Instructions

The Hely & Weber hinges come with externally replaceable flexion and extension stops. The stops are very simple to use when you follow these steps:

**Step 1.** Decide on the range of motion desired. The extension stops are available in 10 degree increments from 0 to 50 degrees. Flexion stops are included from 50 to 100 degrees. Each stop has two numbers etched on the surface and can be used as extension stops or flexion stops depending on which side of the hinge it is inserted. For example, a stop may be labeled E0 – F100. When this is used as the extension stop, the hinge will extend completely. The very same stop placed as a flexion stop will stop the hinge at 100 degrees flexion. Extension stops are inserted from the front side of the hinge while flexion stops are inserted from the backside of the hinge.

**Step 2.** If stops are present in the hinge, use the 1/16" hex wrench included with the kit to remove the screws from the face of the hinge cover. Place the hinges within the range of motion desired and lift out the existing stops.

**Step 3.** Make certain you have selected the appropriate stop for the extension side. If you desire a range of 20 to 70 degrees for example, you would select the stop labeled E20 – F80 to use as the extension stop, and E30 – F70 to use as the flexion stop.

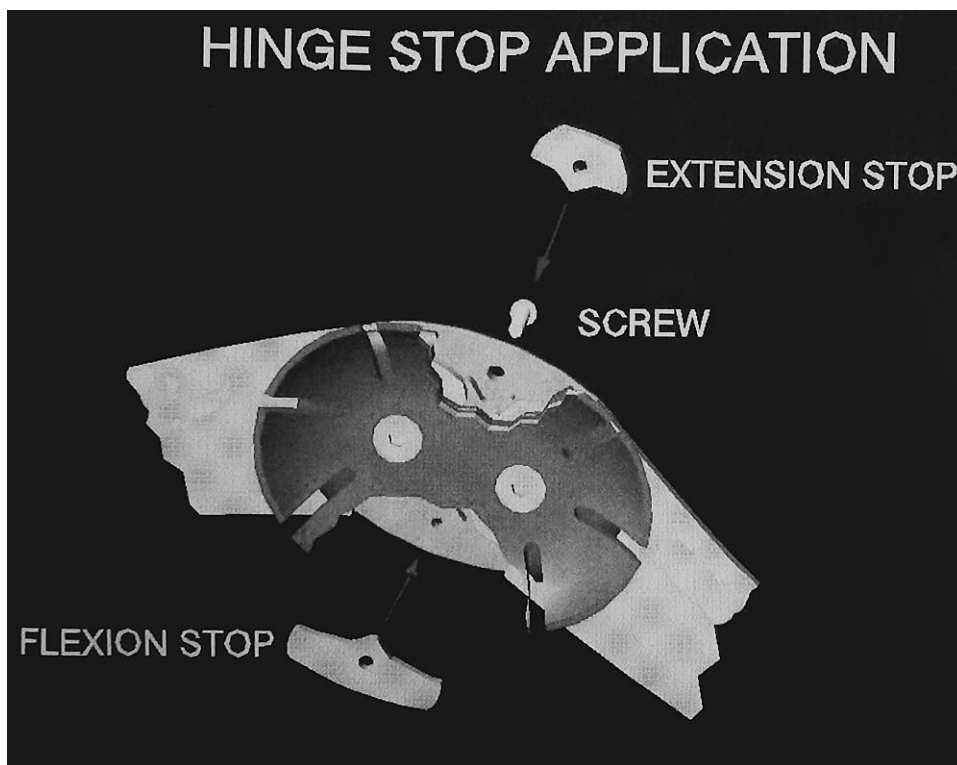
**Step 4.** Place the appropriate stop into the hinge from the front side (extension stop side) in between the two molded hinge plates with the V-shaped area of the stop pointing into the hinge. When the stop drops into place the V-shaped area will rest on a plastic V-shaped tray. Using the 1/16" hex wrench, insert one of the screws into the hole located on the face of the outer hinge plate to the front side of the hinge (extension stop side). Tighten the screw without over torquing. Be careful not to strip out the plastic hinge plates by turning on the screw too tightly. This can be accomplished by tightening the screw until the underneath side of the screw head makes contact with the outer hinge cover.

**Step 5.** Repeat Step 4 for the opposite hinge to complete the extension stops. Warning: Always use stops in both hinges and they must be the same limits!

**Step 6.** Now repeat the same actions on the backside (flexion stop side) of the hinge for both the left and right hinges. Make certain you read the "F" number for the flexion stop. Make certain that both flexion stops are the same and both extension stops are the same. Also check to make sure that the stops will remain in position (that the screw actually went through the hole of the stop to capture it).

**Step 7.** Extend and flex the hinges against the stops to be certain stops are at the correct angle. It is more important where the leg stops due to soft tissue deflection than where the hinge stop position is set. Compensate as necessary for excess fatty or soft tissue.

**Step 8.** You may choose the E0 – F100 as an extension stop along with a special F0 stop to lock the hinge in full extension. Choosing the E10 – F9 stop along with the special F10 stop will lock the hinge at 10 degrees of flexion.



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