

Osteoarthritis Knee Brace 575-OAKB

INDICATIONS:

The **Osteoarthritis Knee Brace** is indicated to treat instability and pain caused by mild to moderate unicompartmental osteoarthritis and to delay joint degeneration. The novel patella buttress system of the The Osteoarthritis Knee Brace combines optional hot or cold therapy to treat stiffness or swelling while reducing patella maltracking.

FEATURES AND BENEFITS

- Dynamic force straps apply three points of pressure to align the joint and reduce contact between the bony surfaces
- Femoral and tibial shells contour to the leg for an ergonomically comfortable fit
- Anatomical design delivers homogenous compression which reduces inflammation and relieves pain
- Tactical sharkskin reduces brace migration
- Lightweight, breathable webbing across the open popliteal enhances comfort while reducing skin irritation
- Low-profile, multi-positional hinge provides medial-lateral and rotation control and is placed on the opposite side of the affected joint to counter varus or valgus instability
- Hinge is pre-set for full range of motion but can be customized for 10°, 20°, or 30° of extension or 90°, 80°, or 70° of flexion
- The patient can adjust the amount of lateral pressure by adding up to three condyle pads included.
- Innovative hinge pocket allows easy access for range of motion restriction, enhancements to the degree of offloading, or for complete hinge removal if compression alone is desired.



As the Knee fully extends the offset hinge (8°) applies three points of force to relieve joint pressure on the affected side.



Condyle pads can be added to increase the force as desired.

SIZE	Measure Mid-Patella Circumference	Model # Right	Model # Left
Small	13 –14" (33 - 35.6 cm)	575-OAKB-S-R	575-OAKB-S-L
Medium	14 –15" (35.6 - 38.1 cm)	575-OAKB-M-R	575-OAKB-M-L
Large	15 –16" (38.1 - 40.6 cm)	575-OAKB-L-R	575-OAKB-L-L
X-Large	16 –18" (40.6 - 45.7 cm)	575-OAKB-XL-R	575-OAKB-XL-L
XX-Large	18 –20" (45.7 - 50.8 cm)	575-OAKB-XXL-R	575-OAKB-XXL-L
XXX-Large	20 –22" (50.8 - 55.9 cm)	575-OAKB-XXXL-R	575-OAKB-XXXL-L

Limited Warranty Coverage: Any defect in material or workmanship solely limited to the Kydex® plastic frame or metal portion or hinge mechanisms for 1 (one) year from date of purchase.

APPLICATION INSTRUCTIONS

1. The **Osteoarthritis Knee Brace** is designed to be worn directly on the skin. A suspension sleeve may be indicated to optimize fitting and wear.
2. For targeted hot or cold therapy on the joint, remove the gel buttress from the reverse side of the patellar covering. Gently lift the edge of the circular sharkskin liner, pulling in an upward motion towards the central opening. Remove the gel buttress and place it in a freezer for 20 minutes or in a microwave in 5 second increments until desired temperature is achieved. Reposition the buttress in the patella covering and press the outer edge of the sharkskin to secure the buttress.
3. Slide circumferential straps through the respective D-rings, immediately reattaching each strap on itself to reduce the collection of debris on the nylon fastener. Open the upper and lower cuff closures.
4. While seated with the knee extended, align the posterior opening with the center of the back of the knee. Align the condyle pad on the hinge side of the support with the center of the knee.
5. Position the hinge side of the support on the opposing side of the affected area; for medial joint unloading, place the hinge on the lateral (outside) of the leg, for lateral joint unloading place the hinge on the medial (inside) of the leg. Attach the lower cuff closure first then attach the upper cuff closure, keeping the anterior opening centered with the patella.

6. Loosen the circumferential strap on the lower cuff from the side positioning nylon fastener, and pull taut to remove slack, then reattach the strap to the fastener. Repeat for the upper circumferential strap.
7. Thread the circumferential straps through the respective D-ring then thread the patella straps through the small D-rings, tightening each strap as to desired comfort.
8. The knee support comes standard with an 8° of offset. If additional correction is desired, optional spacer pads can be placed on the condyle of the hinge. Fig. 1.
9. To adjust the range of motion, remove the hinge from the hinge sleeve. Using the Allen wrench provided, remove the appropriate screw: right for extension control and left for flexion control. Fig. 2. Seat the desired metal stop in the cavity, replace the screw and position the hinge back in the sleeve. Fig. 3.



Fig. 1.



Fig. 2.



Fig. 3.

PRECAUTIONS

The **Osteoarthritis Knee Brace** should not be worn by patients with known circulatory limitations or on irritated skin. In the event of an increase in pain, swelling, skin irritation or other adverse reaction while wearing the knee support, discontinue use and immediately consult a medical professional.