



unique orthopaedic devices

DynaCox Evolution™

Hip Abduction Brace



Dynamic Modular Hip Concept

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» Concept

The treatment concept is a functional combination of orthosis and bandage. The orthosis helps maintain containment of the hip by clever use of the counter-forces generated by its pre-tensioned design. The lateral side bar is constructed at an abduction angle of 20°, so when the patient works against this force by adducting and flexing, the brace responds with a counter force through the femoral pad to give the containment required. The bandage provides compression and helps reduce excessive flexion of the hip.

The innovative biomechanics and component design significantly reduce the risk of dislocation, whilst allowing normal muscle action to promote rehabilitation. This close fitting orthosis offers a controlled range of movement and enhanced compliance to those requiring protection in this area.

» Indications

Hip dislocation following arthroplasty which may be due to:

- Muscle imbalance
- Muscle weakness
- Soft tissue laxity

» Contra indications

Inappropriate bony alignment due to position of prosthesis or acetabulum

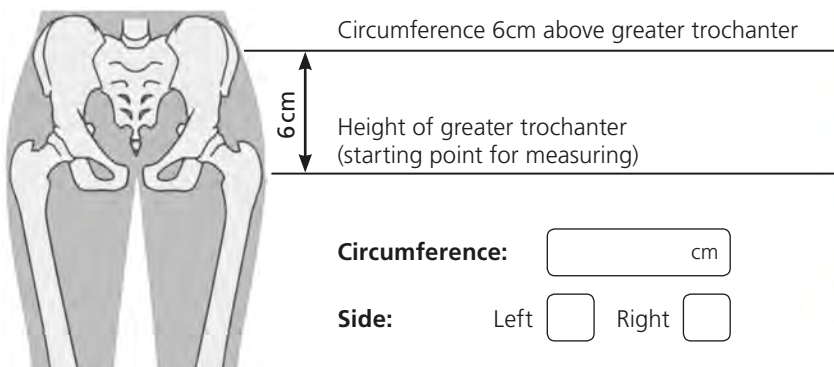
» Function

- Safeguarding surgical results
- Dislocation prophylaxis
- Early functional motion therapy

Ordering Information

» How to measure

To enable us to pre-assemble your modular DynaCox Evolution hip brace for delivery next working day, we simply need you to supply a single circumferential measurement, together with left/right orientation.



Special Features

»» Modular hip brace concept

Evolution consists of just four components - pelvic belt, hinge joint, condylar clasp and bandage.

The flexible pelvic belt allows for the whole brace to be laid out completely flat.

This feature is especially beneficial when fitting the brace with the patient in a lying position.

The snap fit system for the pelvic belt allows for quick and simple adjustment for all treatable hip circumferences (70cm – 150cm).



»» Click & Lock Closures

The click & lock closure system makes it possible to adjust the length of the orthosis without any tools.

This easy adjustment is possible where the hinge joint meets the pelvic belt and where the condylar clasp with lateral bar meets the femoral pad.

This secure connection also makes the brace tamper proof.



»» Adjustable Condylar Clasp

The condylar clasp has a flexible anterior cuff and adjustable condyle pads.

This allows maximum adjustment in fit across an entire size range and complete control in this critical area, with optimal fit both laterally and medially.

The soft cushioning material on the inside of the cuff and air pockets on the inside of the pads avoids pressure points and maximises compliance.



»» Bandage with Innovative Knitting Technology

The cut of the elasticated bandage has been optimised to adapt to the patient's anatomy.

Furthermore, the knitting technique maximises the bandage's air permeability, keeping it cool and comfortable.

Additionally, the anchoring system of the femoral pad within the bandage makes the crucial positioning of the femoral pad simple and minimises migration issues.



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Brace Orthopaedic website



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