

# REBOUND® ACL

REBOUND® ACL - OFF THE SHELF



Watch the Rebound ACL Fitting Video



The Rebound ACL is a dynamic ACL brace that can be integrated directly into current protocols, designed to reduce strain on the anterior cruciate ligament (ACL).

## INDICATIONS

Conditions benefiting from an agonistic force that varies throughout flexion in proportion to ACL tension applied to the thigh and calf in the sagittal plane. These may include:

Anterior cruciate ligament (ACL) injury

Reconstruction

Non-surgical treatment.

## FEATURES & BENEFITS

Dynamic technology for knee stability, with a Dynamic Tension System™ that provides an agonistic, dynamic force to the ACL that is flexion-angle dependent (LaPrade et al., 2017).

Specific load adaptation according to the patient's individual anatomy and rehabilitation requirements

Supported by clinical & biomechanical studies, the Rebound ACL is shown to reduce strain on the ACL during activity and significantly reduce strain on the meniscus in ACL-deficient knees (Tomescu et al., 2017).

Biocompatible, hi-tech materials including Blue is You™ patient touch points &™ liners promote suspension & comfort

Lightweight, aircraft aluminum frame

Available in sizes SM-XL

Flexion & extension range-of-motion lock-outs

Posterior frame optimized for fit and support, with open anterior for ease of donning/doffing

Clinically-tested comfort, validated by end-users and with load mapping data collected during rehabilitation activities, the Rebound® Dynamic Tension System (DTS) provides a comfortable load to the posterior thigh & anterior tibia.

## ORDERING INFORMATION - STANDARD

SIZE	RIGHT	LEFT	MEASUREMENT A†	MEASUREMENT B¹
S	B-124501191	B-124601191	8.9 - 10.2 cm	29.2 - 34.3 cm
M	B-124501192	B-124601192	10.2 - 11.4 cm	34.3 - 39.4 cm
L	B-124501193	B-124601193	11.4 - 12.7 cm	39.4 - 44.5 cm
XL	B-124501194	B-124601194	12.7 - 14.0 cm	44.5 - 49.5 cm

† M/L measurement: In a standard, weight bearing position using a Caliper: M/L at joint width or using a Constant Force Caliper: M/L at knee axis line

¹ Calf circumference measurement: 15cm below knee center

## ORDERING INFORMATION - CUSTOM

DESCRIPTION	RIGHT	LEFT
SmartMeasure App	B-124501154	B-124501155

## CUSTOM COLOUR

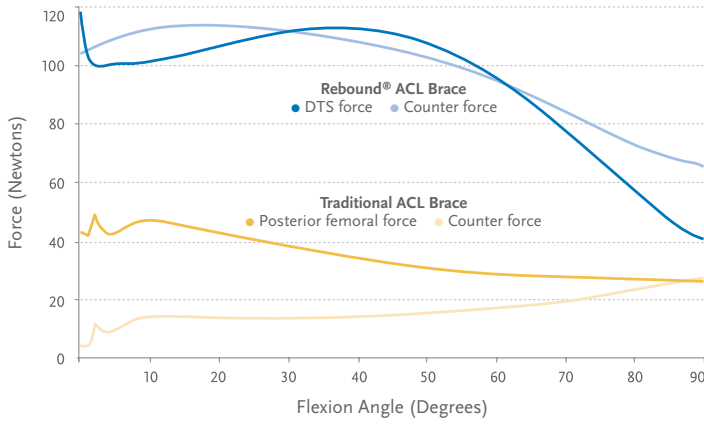


CC = Charcoal

## ACCESSORIES

DESCRIPTION	PART#
Extension stop kit	B-124702035
Flexion stop kit	B-124702034
Condyle pad kit	B-701090009
Tibia pad	B-124702032
Tibia hex pad	B-124702033
Shear knob kit	B-705130051
Strap kit S-M	B-124702030
Strap kit L-XL	B-124702031

## AVERAGE ANTERIOR-POSTERIOR FORCE ON THE ACL THOUGH KNEE FLEXION<sup>4</sup>



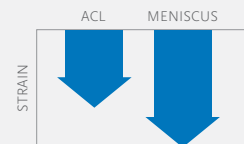
The dynamic load of the Rebound ACL on the femur is generated by applying a anterior directed dynamic force on the thigh area, and opposing counter forces on the anterior aspect of the tibia.



POST-OPERATIVE KNEE INJURY SOLUTIONS



Rebound ACL is shown to reduce ACL strain & **SIGNIFICANTLY** reduce meniscus strain<sup>2</sup>



1. LaPrade RF, Venderley MB, Dahl KD, Dornan GJ. Functional brace in ACL surgery: Force quantification in an in vivo study. Orthopaedic journal of sports medicine 2017; 5(7). doi: 10.1177/2325967117714242. 2. During activity. Tomescu, S, Bakker, R, Wasserstein, D. Dynamically tensioned ACL functional knee braces reduce ACL and meniscal strain. Knee Surg, Sports Traumatol Arthrosc 2017; 26: 526-533. 3. Results of a representative end-user survey post brace wear during rehabilitation activities. Data on file at Össur. 4. Clinical Testing / Biomechanical study using force transducers to measure the force between the Rebound ACL and the lower limb, and load mapping data collected during squats. Data on file at Össur.