

DONJOY[®]

MOTORSPORT



ELOWSON
ENDURO

#TRUST DONJOY

A PRODUCT FOR EVERY JOINT AND INJURY

Extreme sports. Water sports. Contact and non-contact sports The Defiance III is DonJoy's flagship custom knee ligament brace, offering a perfect, custom-made fit for every athlete. For weekend warriors to elite athletes including extreme surfer Garrett McNamara and Motocross World Champion Antonio Cairoli, Defiance III is the strongest of DonJoy's functional knee braces. The custom carbon fiber composite is lightweight; the low-profile design fits comfortably under clothing and sports uniforms and is available in more than 40 frame colors and graphics. Defiance III incorporates swivel strap tabs plus a medial swooping thigh; a diagonal bend on the inside of the thigh section provides clearance for the other leg or for an object such as a gas tank, horse or another brace. Defiance technology is on the field, on the court, on the slopes and in the water protecting knees and providing confidence to those who wear it. First introduced in 1992, DonJoy has produced more than a million braces; in college football alone, 22 of the Associated Press Top 25 teams use the Defiance knee brace.

Statistics on Motocross injuries show that not only the knee, but also the shoulder, wrist, elbow and ankle joints are frequently injured. There is no need to tell you how quickly a great start to the season can turn into a nightmare in just a few seconds...a bad fall makes the line between success and failure very thin! DonJoy is aware of this and over the years have developed a full range of premium quality products in answer to the high demands of athletes; products that help you reach your goals. This motorsport catalogue features DonJoy Defiance and DoJoy Armor, these products have been tried and tested by athletes and their medical professionals and are designed to help prevent injury. Your safety and health is our concern! We want you to trust your body, trust your instinct and trust our gear... so go for the protection DonJoy is offering you!

Indications: Hyperextension; Moderate to severe ACL or PCL instabilities; ACL/PCL instabilities combined (CI); MCL/LCL instabilities; ACL or PCL reconstruction; Prophylactic use

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DONJOY DEFIANCE III - A CARBON FIBER FRAME

Unbelievably strong and lightweight. Get the protection you need without feeling like you're being weighed down by your brace. The Brace is constructed at our factory in Vista, California, US – and is individually made and painted based on your measurements and wishes.





**4 POINTS OF
LEVERAGE™**

4-POINTS-OF-LEVERAGE™

Since 1984, DonJoy's goal has been to revolutionise orthopaedic bracing. Through the 4-Points-of-Leverage™ rigid cuff and strap configuration, a posterior force is applied to the tibia preventing anterior movement.

The 4-Points-of-Leverage™ design is used on the Defiance®, Defiance III®, Armor, 4Titute®, FullForce™ and Legend™ braces.

UNIQUE INTEGRATION SYSTEM

The centre of the hinge is just posterior to the midline and just superior to the joint line. This allows points 1 and 3 to compress soft tissue, isolating the femur and bringing it forward. Points 2 and 4 draw the tibia posterior, generating a net differential force, or constant load, directly over the tibia, preventing it from moving forward.

POINT 1

The femur is anchored by a cuff placed at the top of the anterior thigh.

POINT 3

A strap across the back of the lower thigh pushes the femur anteriorly.

POINT 2

The tibia is anchored by a cuff placed at the bottom of the posterior calf.

POINT 4

A strap placed on the anterior tibia applies an active constant load, to prevent anterior tibial translation.



What is an ACL injury to the knee?

The anterior cruciate ligament (ACL) is the most commonly injured knee ligament. The ACL controls how far forward the shinbone moves in relation to the thighbone and if the shinbone moves too far, the ACL can tear. The ACL is also the first ligament that becomes tight when the knee is straight so if the knee is forced past this point, or hyperextended, the ACL can also be torn.

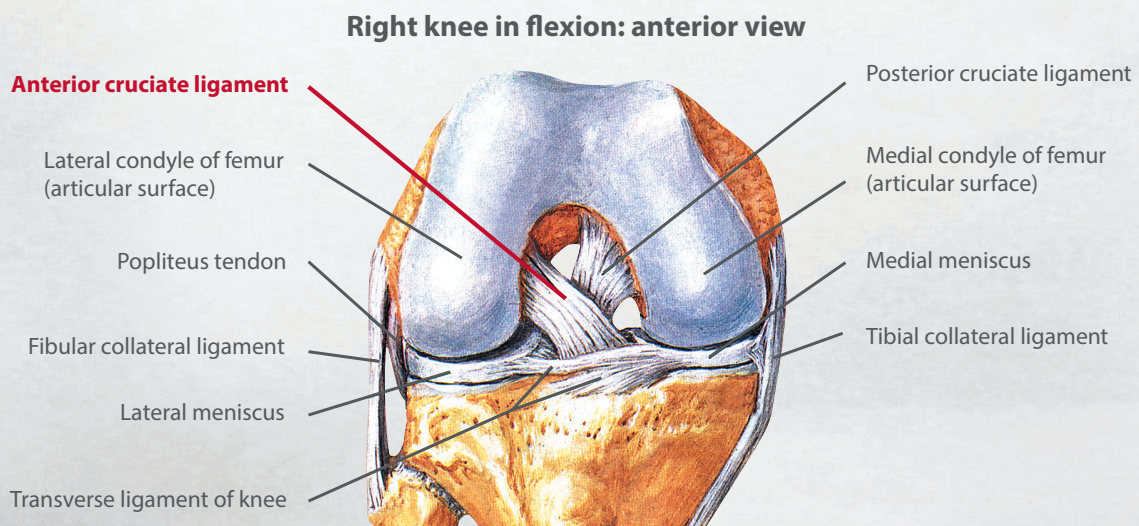
The ACL is often injured during high action sports activities when the athlete suffers a direct blow, a twisting motion or hyperextension. For example, the hyperextension and twisting mechanisms can occur when a motocross rider catches their foot in a corner. The tearing of the ligament results in a loud popping sound and the feeling of instability in the knee. Often the medial collateral ligament (MCL) and the ACL are injured at the same time. The MCL is a wide, thick band of tissue that runs down the inner part of the knee from the thighbone to a point on the shinbone about 4 to 6 inches from the knee.



Why do I need my ACL?

The ACL stabilises the knee and the instability caused by the torn ligament leads to a feeling of insecurity or "giving way" of your knee, especially when trying to change direction. People with a torn ACL will feel instability when walking down hills or stairs, cutting/pivoting, starting and stopping quickly and when their knee is in full extension. The knee may also feel like it can bend too far backwards.

The symptoms following a tear of the ACL are not always exactly the same in severity for all people. Typically, you will experience swelling of the knee within a short time following the injury. This swelling is due to bleeding into the knee joint from torn blood vessels in the damaged ligament. The pain and swelling from the initial injury will usually go away after a few weeks, but the instability remains. This physical instability and the inability of the patient to control the knee require treatment. Many people have the instability treated by orthopaedic surgery to reconstruct the ligament to increase the stability of the knee and prevent damage to the joint.



Kim Nilsson
Speedway



DONJOY® DEFIANCE III®

Custom made

The Defiance III features a low-profile design with a very strong but feather light carbon frame. This custom made brace is available in standard and short lengths (for boot clearance), which makes it the ideal brace for high impact motorcycle sports. The Defiance III is our premium brace and is worn by some of the best riders in the world.

FEATURES AND BENEFITS

- Custom-made to the individual patient
- Patented 4-point dynamic leverage system to protect the knee joint
- Guaranteed anti-migration, Supra-Condyle Pad
- Carbon Fiber frame
- Lightweight
- ACL, PCL and CI version
- Low profile design: fits comfortably under clothing and sports gear
- Flexion-extension control
- Short & standard length
- Several colour options, graphic and graduation patterns
- Normal delivery time: 7-10 days (in urgent circumstances may be accelerated)
- Limited lifetime warranty on frame and hinge

INDICATION

- Mild to severe ACL and/or PCL, MCL, LCL instabilities for active patients participating in high collision sports
- Conservative treatment of ACL/PCL or CI patients



FourcePoint™ hinge incorporates a spring leaf damping mechanism that reduces extension shock



Josep García
Spain - Enduro

DONJOY® ARMOR

The DonJoy Armor knee brace is our strongest off-the-shelf brace. Lightweight and low profile, we took the best features from our existing line of braces to create a brace that is perfect for motorcycle sports. It has a swooping frame design, which means there is no interference with the motorcycle frame or fuel tank. The Armor knee brace has just the right calf cuff length to ensure maximum leverage and boot fit.

FEATURES AND BENEFITS

- Optional FourcePoint™ hinge
- Medial swooping frame
- Anti-migration Supra Condyle Pad
- Short calf for boot clearance
- Patented 4-point dynamic leverage system
- Stronger 6061 T6 aircraft aluminium frame
- ACL, PCL and CI version
- Moldable frame for custom fit
- Flexion-extension control
- Swiveling strap tabs
- 1-year warranty on frame and hinge

INDICATION

Mild to severe ACL and/or PCL, MCL, LCL instabilities for active patients participating in extreme sports



FourcePoint™ hinge incorporates a spring leaf dampening mechanism that reduces extension shock



ACCESSORIES

Impact Guard



Impact Guard Special with Extended thigh piece



Calf Pinch Guard



Sports Cover (Standard & short) Tru-Pull® Attachment



Svart undergarment i Lycra®



Black neopreen undergarment



Josep García
Spain - Enduro

Defiance III with
Impact Guard



You
Tube

DONJOY®

Fitting Video
Accessories for
Rigid Braces



FITTING INSTRUCTION
IMPACT GUARD



Both impact guards can be ordered in both "pull on" model and "screw on" model. The pull on model is rarely used but is a solution when there is not sufficient space for the knee with the "screw on" model.

Pull On
(Contact Customer
Services to order)

Screw On
(standard)





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CONTACT

DJO Nordic AB
Murmansgatan 126
212 25 Malmö
SWEDEN

SE 040 39 40 00
DK 89 88 48 57
NO 23 96 09 27
FIN +46 40 39 40 00

DonJoy.se
DonJoy.dk
DonJoy.no
DonJoy.fi