

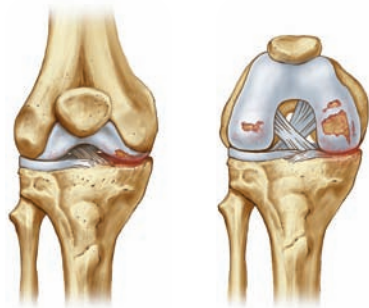
Unloader One®

Pain relief without medication

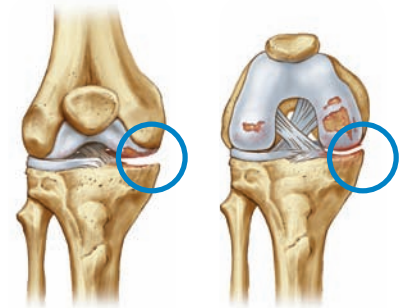
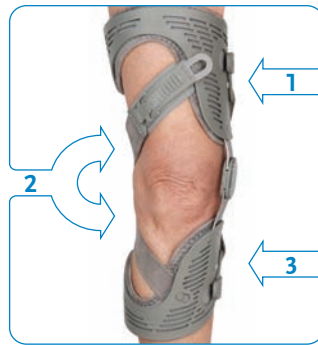
A clinically proven treatment option for osteoarthritis of the knee and its associated pain

How it works

Unloader One uses Dual Dynamic Force Straps to apply a gentle force to lift the affected bone away from the surface which is causing the discomfort, resulting in a reduction in pain and an increase in the wearer's mobility.



WEIGHT BEARING WITHOUT BRACE



WEIGHT BEARING WITH UNLOADER ONE

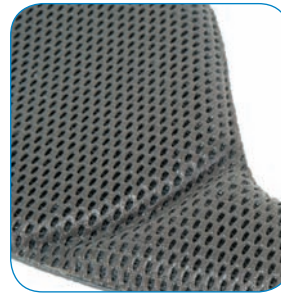
Features



Numbered Dual Dynamic Force Straps increase unloading capabilities and prevent rotation of the brace on the leg



Tool-free, ratcheting Dynamic Force Control System enables self-dosing by the patient for easier pain management



Breathable liners featuring Össur Sensil® Silicone Technology on an Aerspacer base material eliminate migration



Colour coded, ergonomic quick fit buckles with leverage arms enable easy application and removal without the need for cumbersome strap adjustment



Studies

Several clinical studies have been conducted that show the positive effects of the Unloading concept, including:

- S. G. Horlick, R. L. Loomer, 1993. **Valgus Knee Bracing for Medical Gonarthrosis.** *Clinical Journal of Sport Medicine*, 3(4):251-255
- F. E. Pollo, R. W. Jackson. 2006. **Knee Bracing for Unicompartmental Osteoarthritis.** *Journal American Orthopedic Surgeons*; 14: 5 - 11
- E. R. C. Draper, J. M. Cable, J. Sanchez-Ballester, N. Hunt, J. R. Robinson, R. K. Strachan. 2000. **Improvement in function after valgus bracing of the knee: AN ANALYSIS OF GAIT SYMMETRY.** *Journal Bone Joint Surgery British*; 82-B: 1001 - 1005.
- A. Kirkley, S. Webster-Bogaert, R. Litchfield, A. Amendola, S. MacDonald, R. McCalden, P. Fowler. 1998. **The Effect of Bracing on Varus Gonarthrosis.** *Journal Bone Joint Surgery American*; 81:539-48.
- F. E. Pollo, J. C. Otis, S. I. Backus, R. F. Warren, T. L. Wickiewicz, 2002. **Reducing Medial Compartment Loads With Valgus Bracing In The Osteoarthritic Knee.** *American Journal of Sports Medicine*; 30 (3), 414-421
- P. Davidson, D. Sanderson, R. Loomer. 1998. **Kinematics of valgus bracing for medial gonarthrosis: technical report.** *Clinical Biomechanics*; 13(6), 414-419
- H. Matsuno, K. M. Kadowaki, H. Tsuji. 1997. **Generation II Knee Bracing For Severe Medial Compartment Osteoarthritis Of The Knee.** *Archives of Physical Medicine and Rehabilitation*; 78(7), 745-749
- H. J. Hillstrom, D. J. Brower, S. Bhimji, J. McGuire, K. Whitney, H. Snyder, L. Zonay, G. Clayburne, M. Sieck, H. R. Schumacher. 2000. **Assessment Of Conservative Realignment Therapies For The Treatment Of Varus Knee Osteoarthritis: Biomechanics And Joint Pathophysiology.** *Gait & Posture*; 11(2):170-171

Contact us for more studies and references.

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