



Load assessment for return to sport post-injury

loadsol® key benefits for sports scientists:

- record and monitor extremity loads accurately and reliably using novel's high quality standards
- gain insights on performance values like loading rate, impulse, symmetry, or peak forces remotely via cloud sharing
- measure training in any environment via the simple interface
- synchronize with motion analysis systems via TTL using loadsync

loadsol®

in back-to-sports training

Use loadsol® to achieve **sport-specific** feedback to regain **control and balance** through **real-time dynamic** in-shoe force measurement.

Get **direct feedback** on an athlete's reaction time, speed, strength and balance and reduce potential **re-injury** by measuring foot loading.



Application package

Utilized system and software



Insoles:
**6 x loadsol® of each
size**



Measurement:
loadapp

For complete assessment and evaluation we recommend 6 pairs of loadsol® in various sizes and the loadapp mobile application to comprehensively evaluate the athlete's progress.

References and publications

Published literature using the loadsol® for monitoring of athletic performance

-  **Force sensing to predict kinetic knee symmetry during a stop jump**
Journal of Biomechanics (Queen, R. M. et al., 2019).
-  **Landing biomechanics deficits in ACL reconstruction patients**
Journal of Orthopedic research (Queen, R. M. et al., 2022).
-  **Accuracy and precision of loadsol insole force-sensors for biomechanical running parameters**
Journal of Sports Science (Schwartz, A. et al., 2018).

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