

DeRoyal Quad-Strap

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Brace migration has always been a problem during extreme activities. This is not just inconvenient, it can also constitute a risk. Hinges and stabilizing pads can be displaced and function can partially be lost. Previous attempts with silicone straps over the distal and proximal ends of the braces haven't been successful. Until DeRoyal came up with the idea of Quad-Strap.

After studying how braces work during extreme activities we tested several different solutions. A strap placed over the most active part of the leg, the Quadriceps, showed to be the most effective way to prevent the brace from migrating. During flexion there is an increased risk that the brace is "pumped" down. The special angle makes the strap more effective in holding the brace in place. The deeper the flexion is the more the strap will elongate and by that prevent migration. The strap has been designed with a unique formulated silicone that is skin friendly with a high friction and very high elasticity.

DeRoyal Quad-Strap will be introduced on all hinged braces made of NeoTex or TriTex from March 1st 2011.

