



Reaction™ Knee Brace

ORDERING INFORMATION					
PART NUMBER (Retail Packaging)	PART NUMBER (Non-Retail Packaging)	DESCRIPTION	SIZE	MEASUREMENTS TAKEN 15 CM (6 ") ABOVE MID-PATELLA	
82-0215-2	11-0215-2	Reaction Brace	XS/S	33 cm - 46 cm	13 - 18½ "
82-0215-3	11-0215-3	Reaction Brace	M/L	47 cm - 59 cm	18½ - 23½ "
82-0215-4	11-0215-4	Reaction Brace	XL/XXL	60 cm - 75 cm	23½ - 29½ "
82-0215-5	11-0215-5	Reaction Brace	XXXL	> 75 cm	> 29½ "
ACCESSORIES					
11-0541-x	Replacement Undersleeve	XS to XXXL			

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Performance & Lifestyle

Reaction[™] Knee Brace

Every
Painful Action
requires a
Comfortable
Reaction

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The New Reaction Knee Brace is an active, responsive, webbed approach to general anterior knee pain, and a distinct alternative to basic knee sleeves.

Patient Profile

All patient types from low to high activity levels

Indications

General anterior knee pain related to:

- Chondromalacia Patella
- Osgood-Schlatter Disease
- Patella OA, Mild bicompartamental OA
- Quadriceps and Patella Tendonitis/Tendinosis

Design Rationale

- The elastomeric membranes act as an elastic exoskeleton to **dampen impact forces** through elongation of the extensile components
- They provide proprioceptive contact throughout ROM, and upon returning to their original length, **stored kinetic energy is returned to the knee** in a "quads assist" fashion

Extensile Membranes - Role and Function

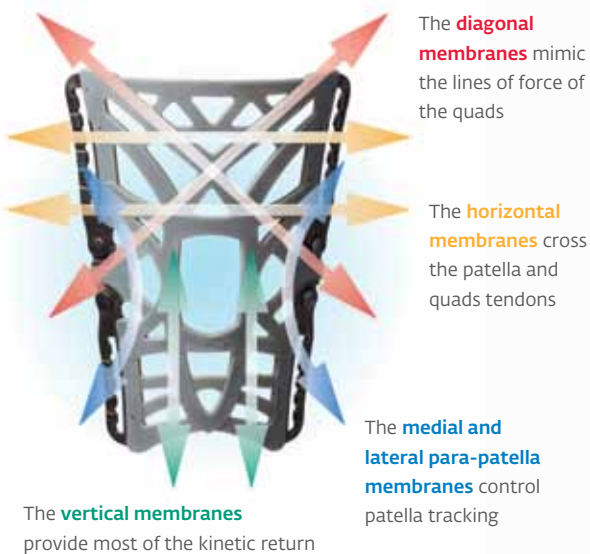


Fig 1 - Each set of elastomeric membranes has specific functions and independent actions



Fig 2 - The flexible membranes elongate and recede with joint motion





“Web” Design provides Energy Dispersion & Shock Absorption for Progressive Pain Relief

- The elastomeric web design helps reduce pain by dispersing energy across the knee
- The flexible membranes elongate with joint motion and return to their original dimensions, absorbing shock and shifting peak loads away from the painful area (See “Design Rationale” - Fig. 1)
- The contoured fit, compression and stretch ability of the membranes also provide increased proprioception (neuro muscular control) in flexion and extension

Open Framework for Sustained Comfort

- Provides intimate fit around the patella and captures the anatomic features of the knee
- With the mesh backing, it creates a comfortable fit and a breathable solution
- The overall feeling is much less restrictive than a knee sleeve



Extensile Membranes for Patella Stabilisation

- The web design dynamically stabilizes the patella on all sides, it also creates tension over the quad and patella tendons to help relieve pain

Dual Axis Hinges for Additional Support

- Being flexible, the hinges also bias the knee in neutral position



Adaptable Tension for Brace Stability

- The adjustable straps help the brace remain in place during daily or sports activities
- The straps can be customized for comfort and desired degree of elastic return

Fitted Under-sleeve for Comfort

- Helps prevent skin irritation, provides compression and tissue containment