

# DONJOY<sup>®</sup>

## REACTION<sup>™</sup>

### 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
-----------	----------------------------	------------

DJO Global | 1a Guildford Business Park | Guildford | Surrey | GU2 8XG | ENGLAND  
[www.DJOglobal.eu](http://www.DJOglobal.eu)



*Together in Motion<sup>™</sup>*



**DONJOY**<sup>®</sup>

Performance & Lifestyle

## Reaction<sup>™</sup> Knee Brace

Every  
Painful Action  
requires a  
Comfortable  
Reaction

 **DJO**<sup>™</sup>  
GLOBAL

## Reaction™ Knee Brace

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 bicompartmental 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



The **vertical membranes** provide most of the kinetic return

The **diagonal membranes** mimic the lines of force of the quads

The **horizontal membranes** cross the patella and quads tendons

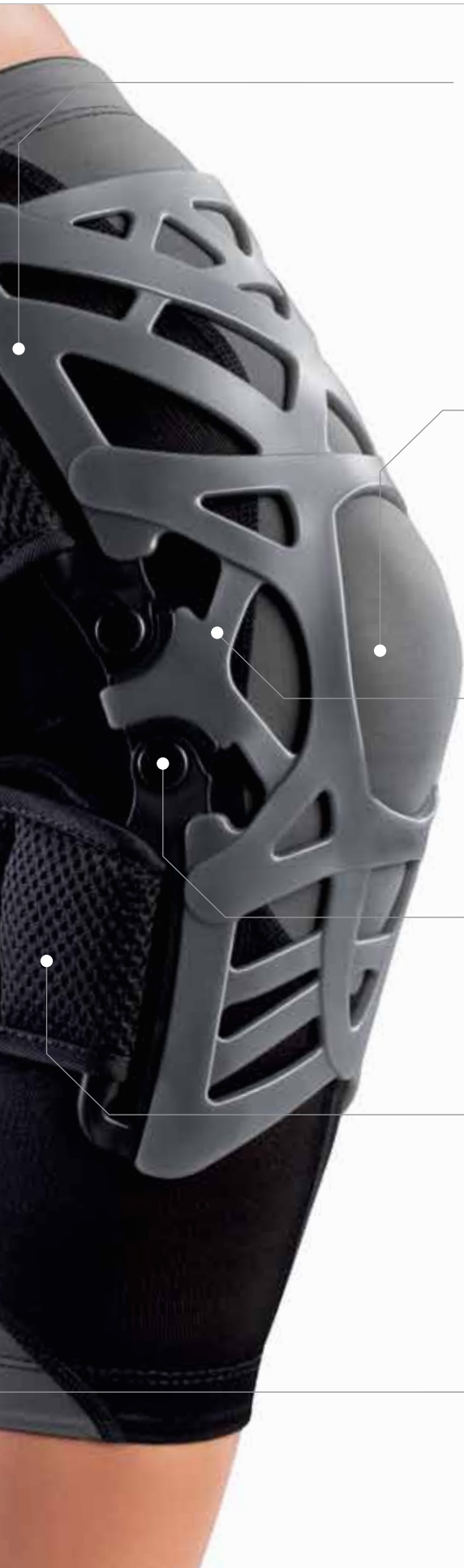
The **medial and lateral para-patella membranes** control patella tracking

**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