

 **TOWNSEND**  
THUASNE USA



**EXCLUSIVE KNEE**  
BRACING TECHNOLOGY



**THUASNE**

# EXCLUSIVE KNEE BRACING TECHNOLOGY

## THE BEST RESULTS AND HIGHEST COMPLIANCE

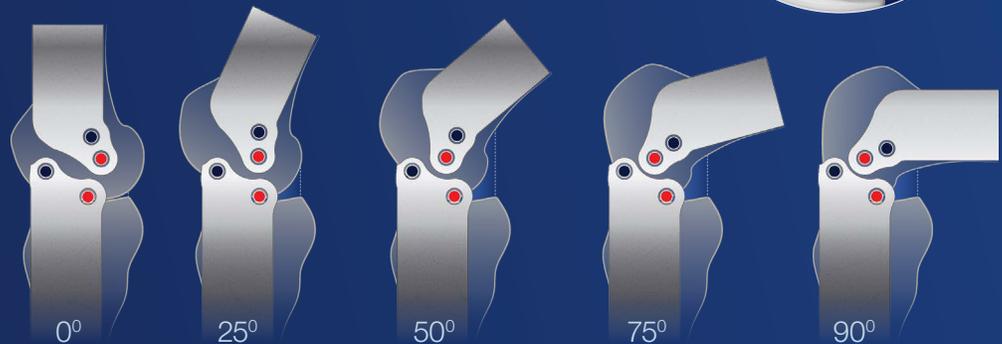
Townsend is the orthopedic industry's most diversified manufacturer of ligament, OA and specialty knee. To achieve the best patient outcomes, our proprietary technology and fabrication processes focus on these critical factors: Fit, function and compliance. Our braces don't move on the leg, they move with the leg -- optimizing your patient's mobility and quality of life.



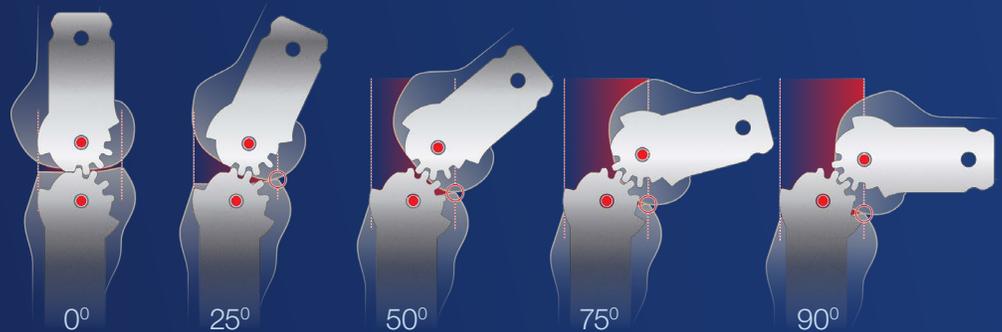
## HINGE MOTION MATTERS

The Townsend Motion Hinge tracks with the anatomical roll-and-glide motion of the knee. The hinges keep the brace properly positioned on the limb throughout range of motion. This optimizes the function and suspension of the brace, producing the best outcomes and highest levels of patient compliance. This is in contrast to knee braces with generic polycentric hinges (used by other companies) that conflict with normal knee motion -- causing the brace to gap, piston and migrate.

Townsend Motion Hinge



Geared Polycentric Hinge



# ANTI-MIGRATION

## ANATOMICAL CALF STRAP

Preventing brace migration is a hallmark of Townsend's technology. The innovative attachment and angulation of our proprietary Synergistic Suspension Strap works brilliantly with the hinges and structural design of the brace. The strap nestles into the flexion fold behind the knee, tightening into the medial and lateral sides of the leg. It utilizes the top of the calf muscle as an anatomical shelf, and can't slip down over the wider aspect of the calf.



## FEMORAL SUB SHELLS

Townsend patented Compression/Suspension Package is a 'no migration' insurance policy. Semi-rigid padded sub-shells are strategically mounted into opposing sides of the thigh section. The pads compress into the femoral hollows above the bony condyles, comfortably burrowing into soft tissue to eliminate any potential for brace migration.



## ROTATION CONTROL

### TIBIA BOLSTERS & CONTOURS

For ligament instabilities and OA, controlling internal or external rotation is critical to the function of the brace. Townsend has invented a variety of tibia shell bolsters and contours to prevent brace rotation. The latest innovation is a tool-less adjustable bolster that can be ideally positioned against the medial flair of the tibia.



# PROVEN OA TECHNOLOGY

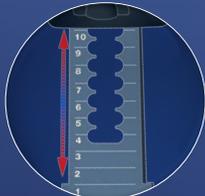
WITH ADJUSTABLE CORRECTION

## LOADSHIFTER & SNAPLOCK

The patented LoadShifter mechanism and tool-less SnapLock are incorporated into the femoral section of Townsend's most popular rigid OA knee braces.



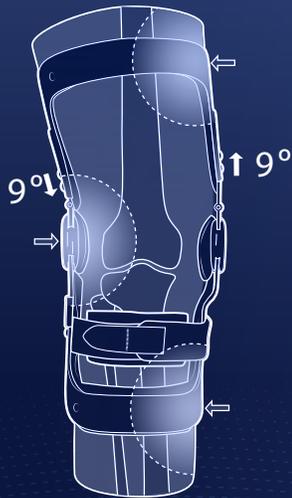
Lift



Slide



Lock



The LoadShifter adjusts the angle of the thigh shell, increasing corrective pressure at the top of the leg. This amplifies the three-point counterforce at the knee and distal end of the brace -- improving leg alignment and reducing compressive load on the damaged side of the knee.



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