TORNIER

LATITUDE EV™

Total Elbow Arthroplasty

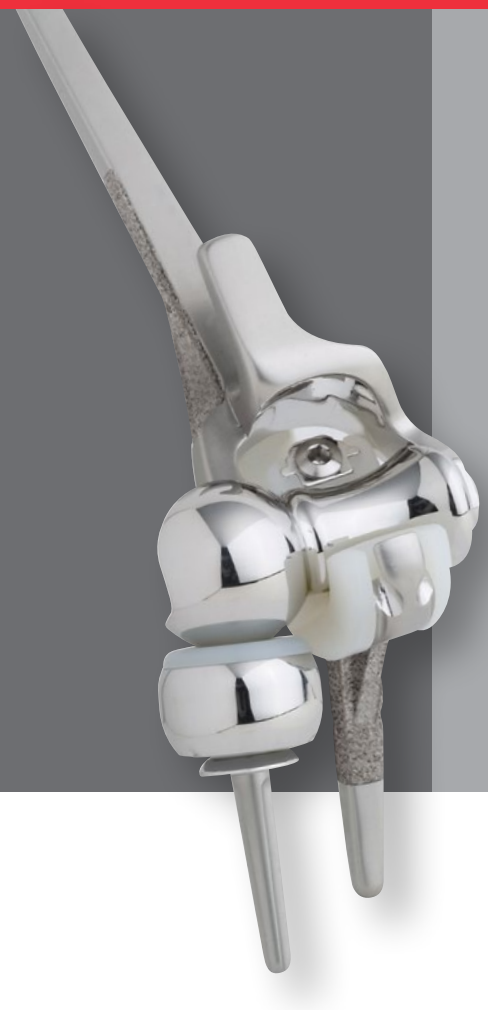
WRIGHT

FOCUSED EXCELLENCE

Welcome to the **EV**OLUTION of elbow replacement

The LATITUDE EV™ total elbow arthroplasty system is designed to replicate the natural anatomy of the elbow. The innovative LATITUDE™ gives surgeons the ability to reproduce the natural flexion/extension axis and restore natural kinematics of the elbow with its anatomic design. The LATITUDE EV implant design is founded on the original LATITUDE implant which has been in clinical use since 2001.

Reproduce the anatomy...



LATITUDE EV™ is designed to model the patient's anatomy allowing the surgeon to restore the natural kinematics of the elbow, while offering maximum flexibility in elbow arthroplasty.

Design Feature	Advantage
Intraoperative flexibility to link or unlink the implant (a change in linkage can be performed at any time)	Flexible options to address a wide range of indications and patient needs
The LATITUDE EV provides multiple sizes of radial head implants for articulation with the anatomic humeral spool	Allows for optimal mechanical balance of radiohumeral articulation
Ti Plasma Spray	Enhances long term fixation

Anatomic design to restore normal anatomy for optimal range of motion

Modeled after the human anatomy, LATITUDE EV reproduces natural elbow kinematics with an anatomic design

...simply restore the natural kinematics of the elbow.

Humeral Spool

Concave barrel shaped trochlea preserves linear contact through 7° varus/valgus movement with ulnar component

Humeral Stem

Square shape for rotational stability

Anterior Flange

For bone graft

Medial/Lateral Fins

Prevent rotation

Ulnar Cap Option

To enable use as a linked or unlinked implant

Radial Head

Ulnar Stem

Shape replicates natural bow of the ulna to aid in ease of insertion and reduce stresses on the cortical wall

Radial Head

60% of comprehensive loads are transferred across the radiohumeral joint. Morrey et al, JBJS 70-A 1988. LATITUDE™ is the only total elbow prosthesis that enables surgeons to maintain the radiohumeral joint when alignment is adequate.

User Friendly, Intuitive Instrumentation

The LATITUDE EV™ system offers new, completely redesigned instrumentation. The instrumentation system allows for accurate component positioning with humeral, ulnar, and radial preparations that are separate but codependent.

LATITUDE EV™ Total Elbow Product Specifications

Humeral Spools	
DKY211	Small Right
DKY212	Small Left
DKY213	Medium Right
DKY214	Medium Left
DKY215	Large Right
DKY216	Large Left
DKY217	Large+ Right
DKY218	Large+ Left

Humeral Stems	
0030302	Small Standard Right
0030303	Small Standard Left
0030402	Medium Standard Right
0030403	Medium Standard Left
0030502	Large Standard Right
0030503	Large Standard Left
0030312	Small 150 mm Right
0030313	Small 150 mm Left
0030412	Medium 150 mm Right
0030413	Medium 150 mm Left
0030512	Large 150 mm Right
0030513	Large 150 mm Left
0030322	Small 200 mm Right
0030323	Small 200 mm Left
0030422	Medium 200 mm Right
0030423	Medium 200 mm Left
0030522	Large 200 mm Right
0030523	Large 200 mm Left

Ulnar Stems	
0030010	Small Short Right
0030011	Small Short Left
0030110	Medium Short Right
0030111	Medium Short Left
0030210	Large Short Right
0030211	Large Short Left
0030020	Small Standard Right
0030021	Small Standard Left
0030120	Medium Standard Right
0030121	Medium Standard Left
0030220	Large Standard Right
0030221	Large Standard Left
0030030	Small 125 mm Right
0030031	Small 125 mm Left
0030130	Medium 125 mm Right
0030131	Medium 125 mm Left
0030230	Large 125 mm Right
0030231	Large 125 mm Left
0030040	Small 150 mm Right
0030041	Small 150 mm Left
0030140	Medium 150 mm Right
0030141	Medium 150 mm Left
0030240	Large 150 mm Right
0030241	Large 150 mm Left

Ulnar Caps	
DKY067	Small
DKY068	Medium
DKY069	Large

Radial Heads and Stems	
DKY056	Small Head
DKY057	Medium Head
DKY058	Large Head
DKY059	Large+ Head
DKY061	5.0 mm Stem
DKY062	6.5 mm Stem

Cement Restrictors	
EBO101	Cement Restrictor *(Diameter Range 8-15 mm)*
EBO102	Cement Restrictor *(Diameter Range 5-8 mm)*

Single Use Items	
DKY090	Single Use Suture Passer
DWD060	3 mm Drill Bit

Indications:

LATITUDE EV is intended for total elbow arthroplasty. Prosthetic replacement with this device may be indicated to relieve severe pain or significant disability following the effects of primary or secondary osteoarthritis and rheumatoid arthritis; correction of functional deformities; revision procedures where other treatments or devices have failed; treatment of fractures that are unmanageable using other techniques. LATITUDE EV is intended for cemented use only.

Contraindications:

Systemic infection is an absolute contraindication. Every effort should be made to rule out the possibility of preoperative sepsis in patients who have one or more of the following abnormalities: fever and/or local inflammation; rapid joint destruction or bone resorption apparent on roentgenograms; elevation of sedimentation rate unexplained by other disease; elevation of WBC count; distant foci of infection from genitourinary, pulmonary, skin and other sites, dental focus infection which may cause hematogenous spread to the implant site; skeletally immature patients; cases where there is inadequate neuromuscular status, poor bone stock, or poor skin coverage around the elbow joint that would make the procedure unjustifiable; neuromuscular or psychiatric disorders which might jeopardize fixation and postoperative care; known allergy to one of the materials; pregnancy.

LATITUDE EV™ has been designed in conjunction with:

Graham King, MD (University of Western Ontario); Shawn O'Driscoll, MD, PhD (Mayo Foundation); Ken Yamaguchi, MD (Washington University)

Proper surgical procedures and techniques are the responsibility of the medical professional. This material is furnished for information purposes only. Each surgeon must evaluate the appropriateness of the material based on his or her personal medical training and experience. Prior to use of any Tornier implant system, the surgeon should refer to the product package insert for complete warnings, precautions, indications, contraindications and adverse effects. Package inserts are also available by contacting Wright. Contact information can be found in this document and the package insert.

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