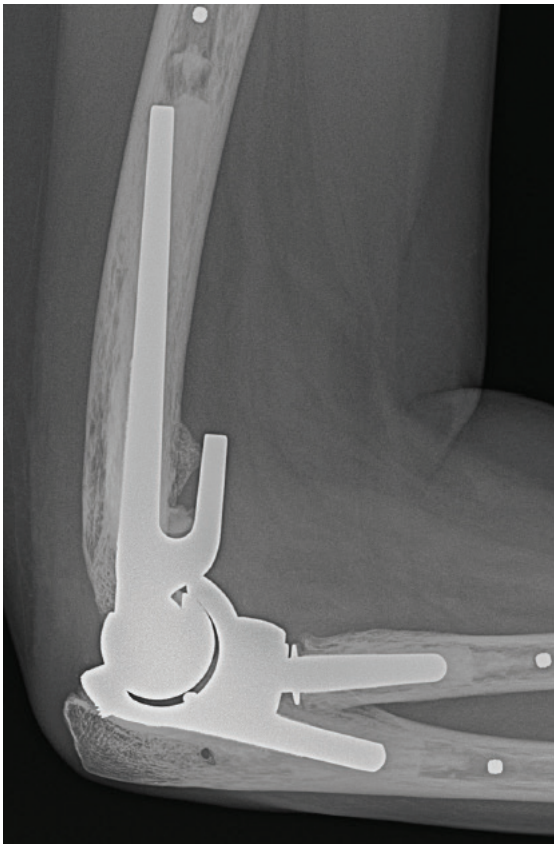


Latitude[®] EV

Elbow Arthroplasty System



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



The Latitude EV Elbow Arthroplasty System is designed to match the anatomy of the elbow. The innovative Latitude EV 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.

Designed for patient 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 humeral spool	Allows for mechanical balance of radiohumeral articulation
Ti plasma spray	Allows for improved cemented fixation

Anatomic design

Modeled after the human anatomy, Latitude EV matches natural elbow kinematics with an anatomic design.



...simply rebuild the natural kinematics of the elbow



Humeral spool

Concave barrel shaped trochlea allows for preservation of linear contact through 7° varus/valgus movement with ulnar component

Radial head option

Ulnar stem

Shape replicates natural bow of the ulna to aid in ease of insertion and allows for reduced stresses on the cortical wall.

Humeral stem

Square shape allows for rotational stability

Anterior flange

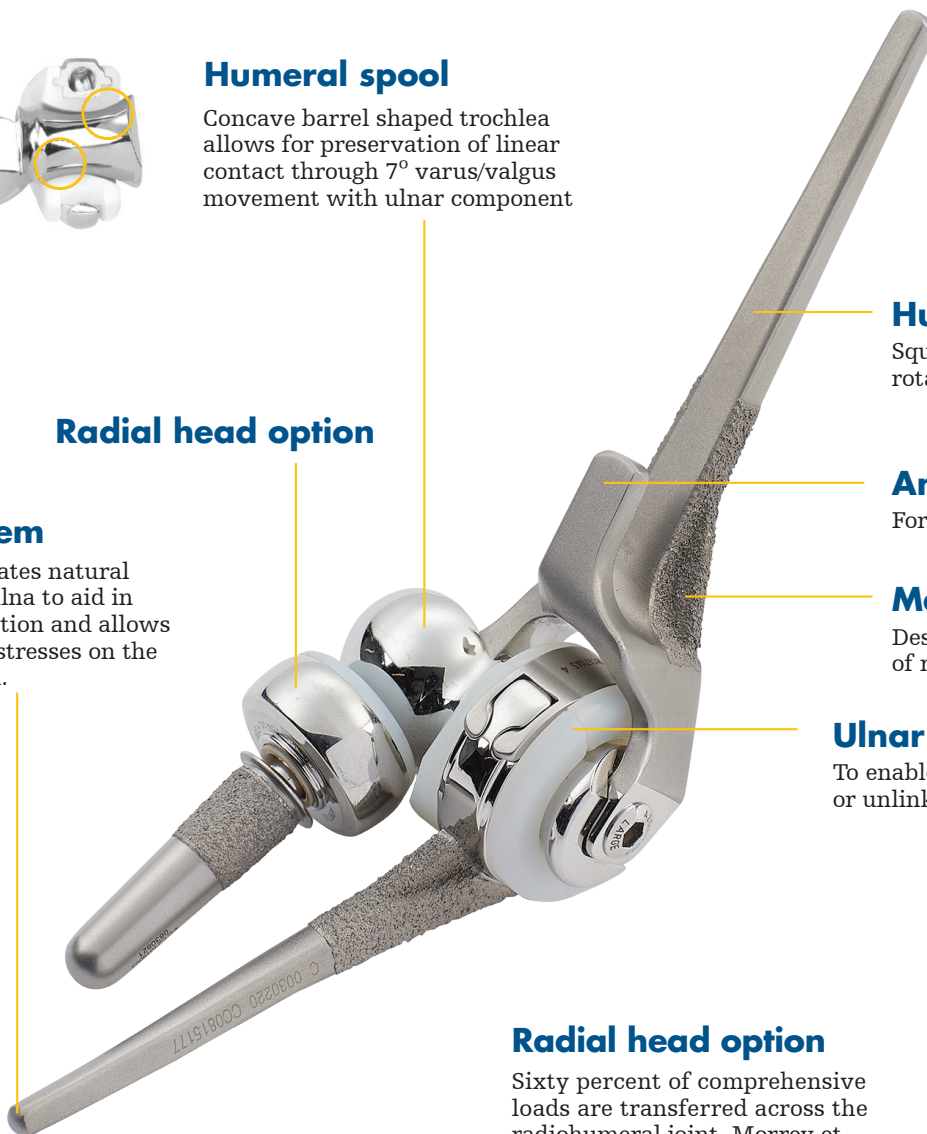
For bone graft

Medial/lateral fins

Designed to reduce risk of rotation

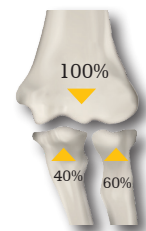
Ulnar cap option

To enable use as a linked or unlinked implant



Radial head option

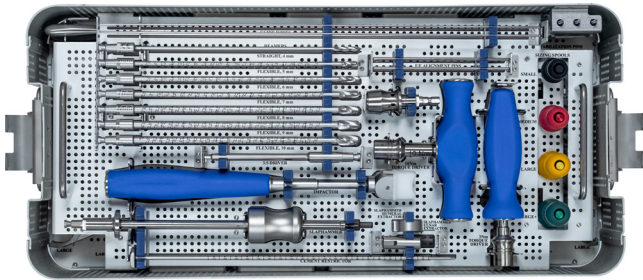
Sixty percent of comprehensive loads are transferred across the radiohumeral joint. Morrey et al., JBJS 70-A 1988. Latitude is unique because it enables surgeons to maintain the radiohumeral joint when alignment is adequate.



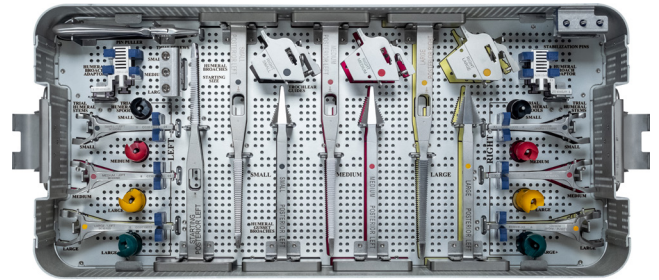


User friendly, intuitive instrumentation

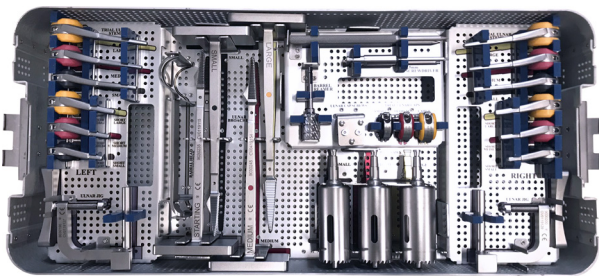
The Latitude EV instrumentation system allows for accurate component positioning with humeral, ulnar, and radial preparations that are separate but codependent.



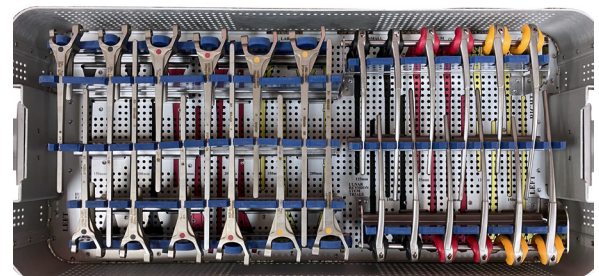
Humeral instruments tray - top



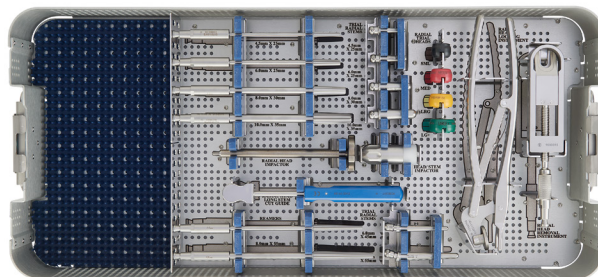
Humeral instruments tray - bottom



Ulnar instruments tray



Long stem instruments tray (special order)



Radial head instruments tray (special order)

Latitude EV Elbow Arthroplasty System 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 or 0030700	Small standard right
0030303 or 0030701	Small standard left
0030402 or 0030710	standard right
0030403 or 0030711	Medium standard left
0030502 or 0030720	Large standard right
0030503 or 0030721	Large standard left
0030312	Small 150mm right
0030313	Small 150mm left
0030412	Medium 150mm right
0030413	Medium 150mm left
0030512	Large 150mm right
0030513	Large 150mm left
0030322	Small 200mm right
0030323	Small 200mm left
0030422	Medium 200mm right
0030423	Medium 200mm left
0030522	Large 200mm right
0030523	Large 200mm 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 125mm right*
0030031	Small 125mm left*
0030130	Medium 125mm right*
0030131	Medium 125mm left*
0030230	Large 125mm right*
0030231	Large 125mm left*
0030040	Small 150mm right*
0030041	Small 150mm left*
0030140	Medium 150mm right*
0030141	Medium 150mm left*
0030240	Large 150mm right*
0030241	Large 150mm left*

Ulnar bushings*†	
DKY120	Small right
DKY121	Medium right
DKY122	Large right
DKY123	Small left
DKY124	Medium left
DKY125	Large left

Ulnar caps	
DKY067	Small
DKY068	Medium
DKY069	Large

Radial heads*	
0830822	Small 18mm radial head
0830823	Medium 20mm radial head
0830824	Large 22mm radial head
0830825	Large+ 24mm radial head

Radial stems*	
0830816	ø4.5mm x 25mm radial stem
0830817	ø6.0mm x 25mm radial stem
0830818	ø6.0mm x 45mm radial stem long
0830819	ø8.0mm x 30mm radial stem
0830820	ø8.0mm x 55mm radial stem long
0830821	ø10mm x 35mm radial stem

Cement restrictors	
EBO101	Cement restrictor (diameter range 8-15mm)
EBO102	Cement restrictor (diameter range 5-8mm)

Single use items	
DKY090	Single use suture passer
DWD060	3mm drill bit

*Available upon request only

†For Ulnar bushings, reference the revision incompatibilities chart in the operative technique (AP-015242).

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)

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

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Content ID: AP-015302A 16-June-2021
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