

LATITUDE[®]

Total Elbow Prosthesis

A new generation is born
naturally precise



TORNIER 

A Latitude of solutions for any case

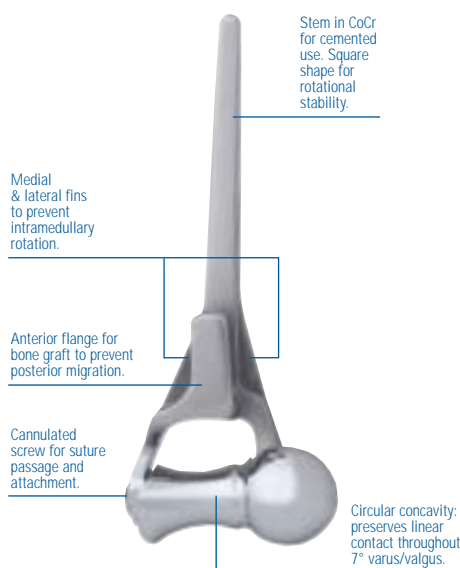
The Latitude® Total Elbow Prosthesis has been designed

- to reproduce anatomy and
- to restore normal kinematics.

Flexibility to allow anatomic replication:

- Available in specific right and left components
- 4 sizes (S, M, L, L+).
- Different spool offsets (anterior, centered, posterior)
- 2 ulnar stem designs (standard, short).

Two ulnar stem designs depending on patient's elbow. The standard stem is anatomically bowed to fit further into the ulna when additional fixation is desired.

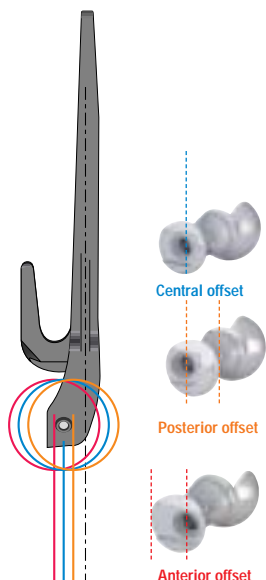


Latitude to Restore Flexion-Extension Axis

A Unique modular spool design to duplicate the patient's natural flexion/extension axis.

The modular spool and the ulnar polyethylene design and thickness have been optimized.

- To allow a better anatomic distribution of joint reactive forces
- To reproduce the normal 7° varus/valgus laxity
- To preserve the linear prosthetic bearing surfaces.



Intraoperative flexibility to link or unlink

The decision to use the implant in linked or unlinked mode is made intraoperatively following the examination of the surrounding soft tissue and the ligaments.

Unique locking mechanism to insure proper component capture.

Future **minimally invasive incision** to transform the prosthesis from unlinked to linked when desired.



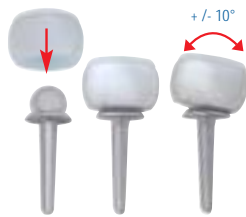


Bipolar radial head implant

Radial component for optimal mechanical balance.

Possibility to maintain the radio-humeral articulation when the alignment is adequate.

- 4 diameters for radial head corresponding to the anatomical spools (Ø 18; 20; 22 and 24 mm)
- 2 radial stems diameters (5 mm and 6.5 mm).
- Radio-humeral and radio-ulnar contact surfaces.
- Short radial stem for cemented use.
- Bipolar head +/- 10° ROM.

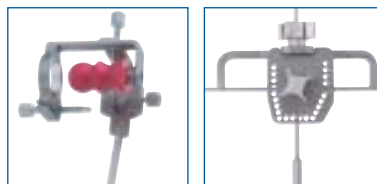


Precision step by step

The Latitude instruments are designed to offer a reproducible step by step procedure.

Each jig uses anatomic landmarks and references the flexion-extension axis to insure the replication of the natural anatomy.

Anatomically correct sizing insures anatomic replication.



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Humeral Components

Ref.	Component information
DKY001	Humeral component small right
DKY002	Humeral component medium right
DKY003	Humeral component large right
DKY006	Humeral component small left
DKY007	Humeral component medium left
DKY008	Humeral component large left

Anterior



Spool

Ref.	Component information
DKY011	Spool small anterior offset right
DKY012	Spool medium anterior offset right
DKY013	Spool large anterior offset right
DKY014	Spool large + anterior offset right
DKY016	Spool small anterior offset left
DKY017	Spool medium anterior offset left
DKY018	Spool large anterior offset left
DKY019	Spool large + anterior offset left

Posterior



DKY021	Spool small posterior offset right
DKY022	Spool medium posterior offset right
DKY023	Spool large posterior offset right
DKY024	Spool large + posterior offset right

Centered



DKY026	Spool small posterior offset left
DKY027	Spool medium posterior offset left
DKY028	Spool large posterior offset left
DKY029	Spool large + posterior offset left

DKY031	Spool small centered offset right
DKY032	Spool medium centered offset right
DKY033	Spool large centered offset right
DKY034	Spool large + centered offset right

DKY036	Spool small centered offset left
DKY037	Spool medium centered offset left
DKY038	Spool large centered offset left
DKY039	Spool large + centered offset left



Standard Ulnar Stem

Ref.	Component information
DKY071	Standard ulnar stem small right
DKY072	Standard ulnar stem medium right
DKY073	Standard ulnar stem large right
DKY075	Standard ulnar stem small left
DKY076	Standard ulnar stem medium left
DKY077	Standard ulnar stem large left

Short Ulnar Stem



Ref.	Component information
DKY081	Ulnar stem small right
DKY082	Ulnar stem medium right
DKY083	Ulnar stem large right
DKY085	Ulnar stem small left
DKY086	Ulnar stem medium left
DKY087	Ulnar stem large left

Ulnar Cap



Ref.	Component information
DKY067	Ulnar cap small
DKY068	Ulnar cap medium
DKY069	Ulnar cap large

Radial Components



Ref.	Component information
DKY056	Radial head small
DKY057	Radial head medium
DKY058	Radial head large
DKY059	Radial head large +
DKY061	Radial stem diam. 6.5 mm
DKY062	Radial stem diam. 5 mm

Latitude® has been designed in conjunction with:
 Shawn O'Driscoll, MD, PHD (Mayo Foundation)
 Ken Yamaguchi, MD (Washington University)
 Graham King, MD (University of Western Ontario)

