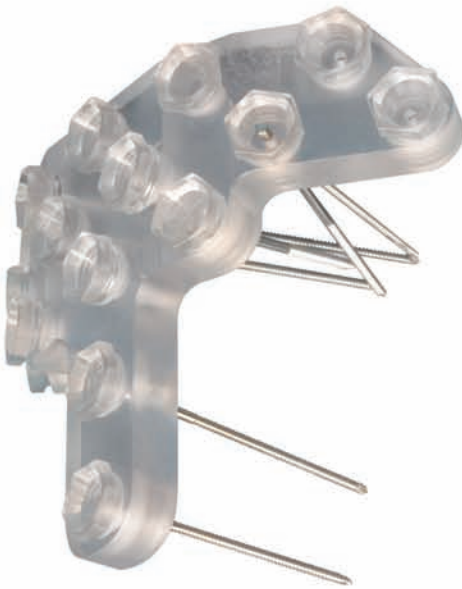


NBX[®]

NON-BRIDGING
FRACTURE FIXATION

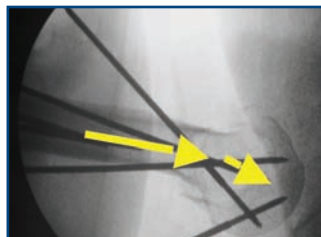
SHOULDER



GAIN EARLY MOTION



PRE-OPERATIVE



POST FIXATION

NUTEK[®] ORTHOPAEDICS
Application of New Technologies in Orthopaedic Surgery

WWW.NUTEKORTHO.COM

A new concept in fracture repair, combining reduction, stabilization and rehabilitation.

Abbreviated procedure:



FEATURES

SHORTENED OPERATIVE TIME

Average operative time using the **NBX® Shoulder** fixator is less than 1 hour versus an average of 2-3 hours for conventional ORIF using a plate and screws.

MINIMALLY INVASIVE TECHNIQUE

There is no dissection; fixation is based on percutaneous placement of threaded pins held in place by the **NBX® Shoulder** fixator.

EXTERNAL LOCKING PLATE DESIGN

The locking nut and ball allow each pin to be placed within a 60 degree cone in each opening of the fixator, then locks the depth and angle of insertion to the **NBX® Shoulder** fixator frame.

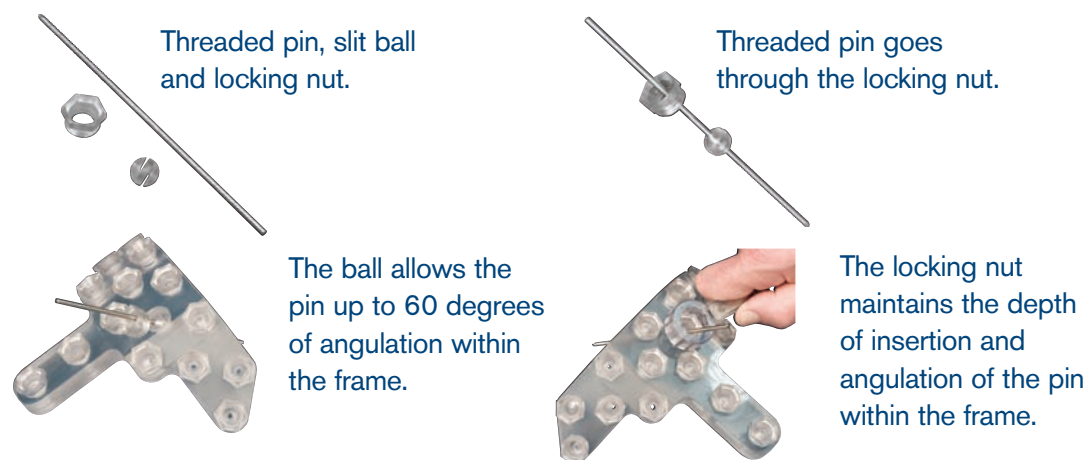
NON-BRIDGING FIXATION

The fracture complex is pinned and stabilized in anatomic position, thus allowing early active and passive range of motion of the shoulder.

MULTI-MATRIX™ PIN TECHNOLOGY

The body of the **NBX® Shoulder** fixator locks a matrix of multi-planar and multi-directional threaded pins and holds the fixator above the skin.

PROPRIETARY LOCKING MECHANISM



FRACTURE

The patient presents with a three part fracture of the proximal humerus.



POSITION

Place the **NBX® Shoulder** over the proximal humerus and, under fluoroscopy, position it to cover the fracture with the curved upper portion and align the distal arm parallel to the shaft of the humerus below the fracture.



PIN PLACEMENT

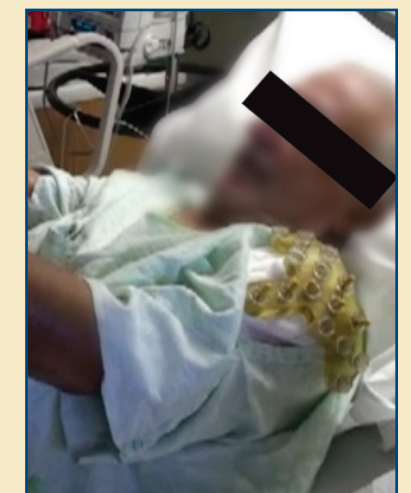
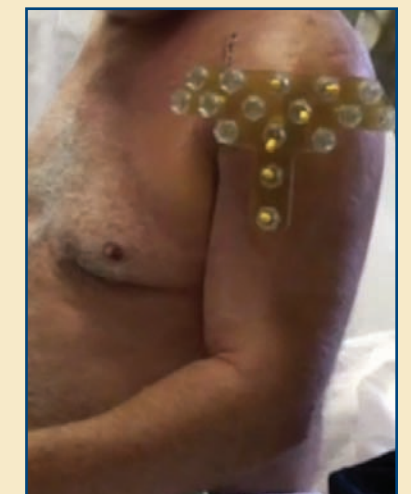
Insert threaded half-pins into the head and neck fracture fragments through the fixator in a multi-directional and multi-planar fashion to stabilize the fracture and then into the shaft of the humerus.



RANGE OF MOTION

The **NBX® Shoulder** allows for early motion after surgery; flexion, extension, abduction and adduction

EARLY RETURN TO FUNCTION...



post-operative shoulder function and motion

For complete product details and demonstration visit www.nutekortho.com



NBX® Shoulder External Fixator Kit

Complete, Sterile Packaged
8107-00-00

- 1 NBX Shoulder fixator
- 1 NBX Wrench
- 10 3mm x 150mm threaded half-pins

