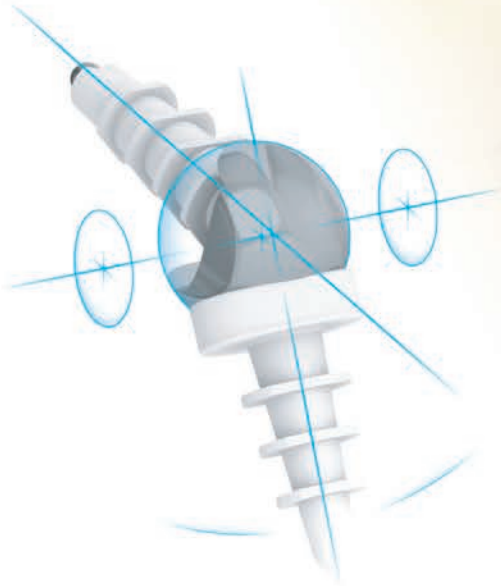




MatOrtho®

Natural Function



TMPR™

Total Metacarpophalangeal Replacement

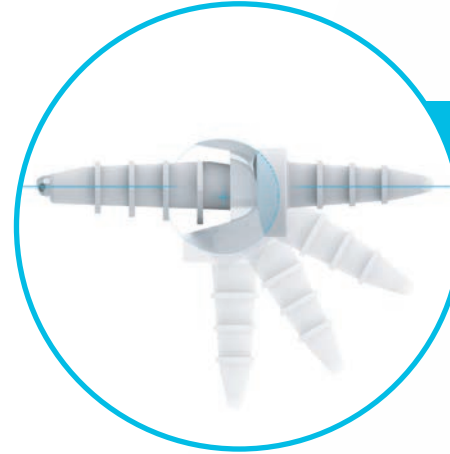


TMPR™ Total Metacarpophalangeal Replacement - Natural Movement Without Compromise



Anatomical design

- Based on natural anatomy and MRI studies on a spectrum of adult patients
- Ball-and-socket surface replacement
- Anatomical joint centre of rotation is maintained with spherical bearing offset palmar-wards
- Dorsal groove for the extensor tendon
- Flared cams protect collateral ligaments



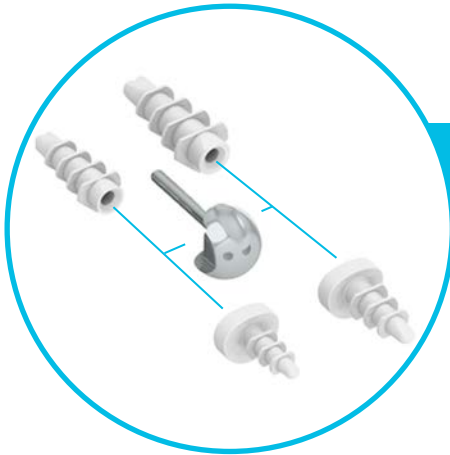
More normal kinematics

- Enables all physiological degrees of freedom
- Significant increase in post-operative ROM
- Full ROM stability and physiological tightening of collateral ligaments in flexion with cam effect
- Fully congruent throughout flexion for low wear
- Ligament balancing for optimum joint restoration



Secure fixation for longevity

- Fixation design with over 45 years' clinical heritage
- Uncemented interference-fit fixation
- Flexible fins mould to the endosteal bone and protect from loosening by absorbing lateral stresses
- Fixation extends to mid-shaft to distribute load
- Distraction and rotation forces attenuated between the decoupled bearing and fixation interface



Size range and options

- Size range to suit the entire population and all fingers of the hand
- Templating for metacarpal size selection
- Modular design with fixation options
- Fully instrumented, guided preparation
- Single instrument tray system facilitates concurrent fingers per case



Long-term clinical use

- In use since 1994 (>20 years)
- Intended for degenerative arthritis or limited rheumatoid ulnar drift of the MCP joint
- Excellent survivorship; significant improvements in ROM, strength, PEM and satisfaction
- Offers patients more dexterity, less pain and less stiffness
- Restores ability to carry out daily living tasks