

## Advanced instrumentation

Options for surgical approach with instrumentation supporting a lateral and a dorsal approach

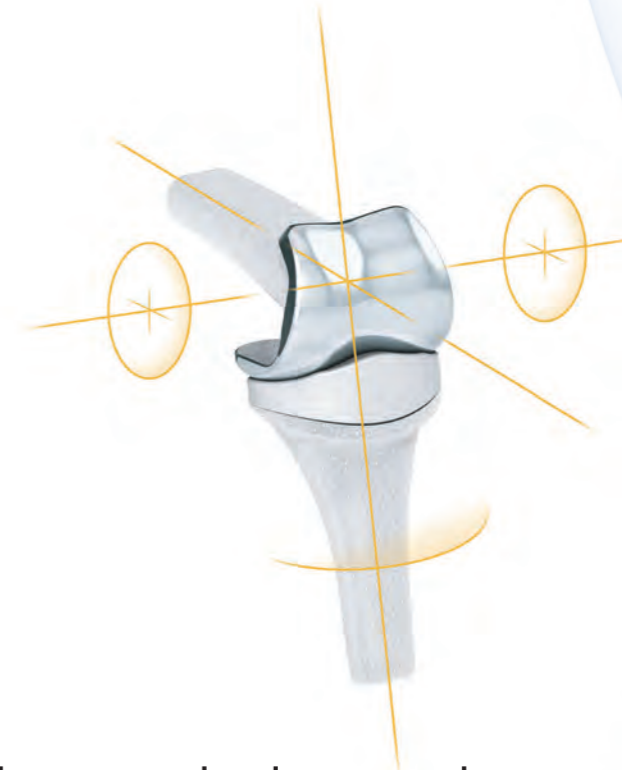
**Sizing and templating** instruments for prior assessment of native joint size

**Ligament balancing technique** using spacers or trials for optimum implant placement and freedom to move

Designed to provide **protection for the soft tissue structures**

**Repeatable technique** with measured and guided resections

**Precise preparation instruments** for immediate fixation stability and promotion of bone ingrowth to cementless interface



## PIPR™ Proximal Interphalangeal Replacement

Product Brochure

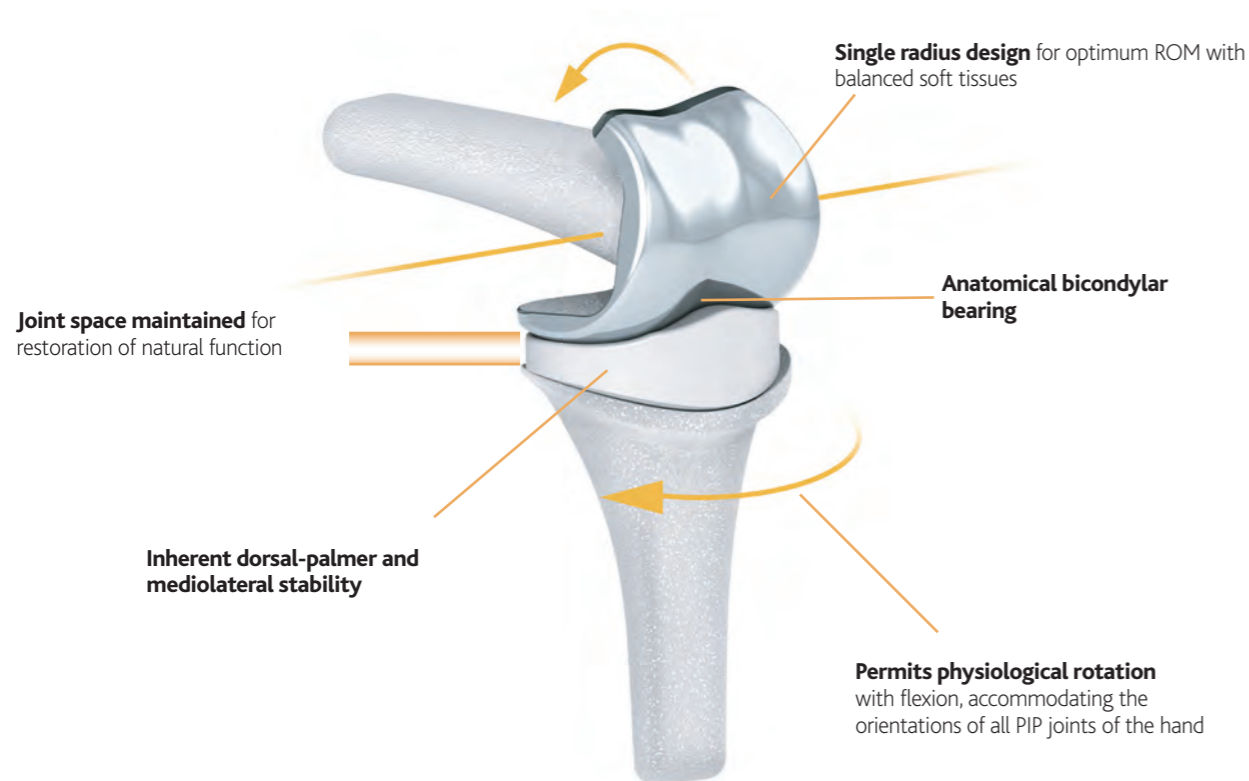
Natural Function

1. Lawrence *et al.* J Hand Surg (Br & Eur). 2004; 29B; 3: 242-247.
2. Trail IA. Arthroplasty of the Hand and Wrist. 2010; Chapter 4: 83-110.
3. Naylor A *et al.* Lubricants. 2015; 3: 244-255
4. Broadbent M *et al.* 2009; BSSH, Nottingham
5. Harley O *et al.* 2012; BSSH, York
6. Flannery O *et al.* 2015; BSSH, Bahamas
7. Flannery O *et al.* J Hand Surg (Eur). 2016; 41(9): 910-916

Forever Active

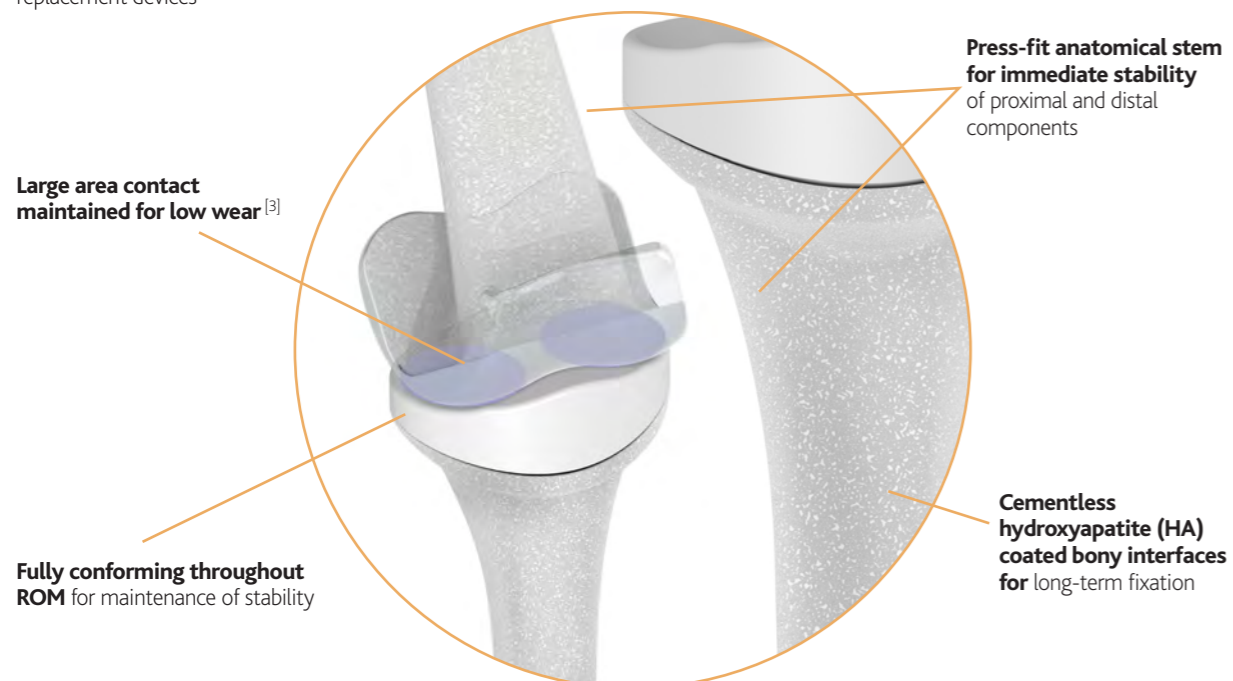
The PIPR™ is unique in its protection of the bony support for the ligaments and allowance for the combined rotation and angulation in the coronal plane during flexion, where alternative devices have over simplified the PIP joint to a simple hinge.

## More natural function



## Designed for longevity

**Proven materials and articulating couple** with a long heritage of clinical success in joint replacement devices



# PIPR™ Proximal Interphalangeal Replacement

## Anatomical fit and sizing

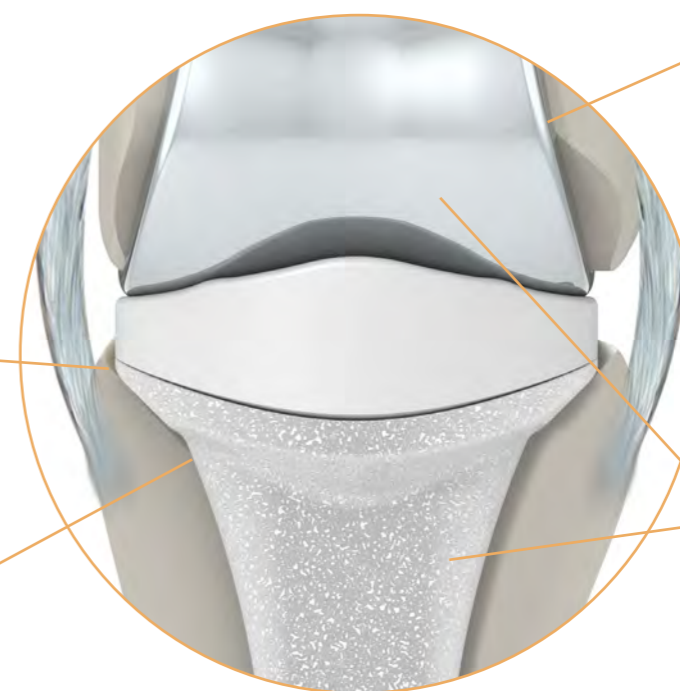
**Based on morphological study of normal PIPs** [1] and in-depth study of the anatomy, soft-tissues and biomechanics of the PIP joint [2]

**Peripheral bone maintained** for maintenance of ligament function

**Anatomical stem geometry** for secure fixation with cortical bone

**Normal functional radii and trapezoidal profile** for natural reproduction of the PIP joint

**Size range for all the population and all PIP joints of the hand** and cross-sizing possible for best fit canal to bearing



## Confidence in results

The PIPR™ has been **in clinical use since 2006** with over 700 implanted worldwide.

Throughout an extended series followed up at the Wrightington, good outcomes have been maintained [4-7].

In a published series of 100 implants followed up for a minimum of 2 years, maximum 6 years 5 months [6-7], the PIPR™ was shown to achieve:

- **good pain relief,**
- **improvement in grip strength and function,**
- for many, it **provides increased ROM,** and
- **demonstrated low revision rates,** with survivorship of 85% at maximum 6 years 5 months postoperatively.

