



**SIGMA**<sup>®</sup>  
HIGH PERFORMANCE  
**INSTRUMENTS**

Product Rationale

High Performance instruments that support  
your approach, your patient demand and  
your choice of knee system.





Contemporary total knee arthroplasty demands high performance instrumentation that provides enhanced efficiency, precision and flexibility. Through a program of continuous development, DePuy now offers a single system of High Performance instruments that supports your approach to knee replacement surgery.

# Driving performance through efficiency



Quick-lock control features...  
..with fine-tune fingertip precision.

Secure, instrument locking, after adjustment.

Designed for comfortable fingertip control.

Strategically placed for easy adjustability during surgery.

Increased confidence for a faster surgical procedure.



Visual cues. Line-of-site laser etched markings for quick, eye-friendly visual clarity.

Color coded locking mechanisms for easy and quick identification.



One-handed, rapid removal design.



Power pinning system. Quick-connect feature for rapid block positioning and fixation.

The Sigma® High Performance knee system features the latest and most advanced instrumentation to date from DePuy. Quick release controls allow for rapid, one-handed instrument positioning, with locking mechanisms that are easy to activate, and color-coded – for immediate visual identification. The ‘quick-connect’ power pinning system enhances usability even further, inspiring confidence, and allowing for a smooth and efficient surgical procedure.

# Driving performance through precision



Easy on/easy off attachment mechanism delivers precise connection for toggle-free resection.

Macro/micro fine tune adjustment facilitates precise tibial resection.

Slope override option allows you to accommodate widely varied patient anatomies.



Optimized block geometry enhances visibility within a reduced exposure and avoids patellar ligament impingement.



Combined componentry. One piece keel punch and bushing reduces assembly steps and saves OR time.

'Drill-and-Punch' tower reduces instrument changeover and enhances precision of tibial preparation.

Specific tibial preparation instruments for desired implant-to-bone interface.

Exact 1 mm mantle for cemented components and line-to-line fit for non-cemented implants.



**Referencing flexibility** - accommodates anterior down or posterior up philosophies in one easy system.

Visual indicators provide additional reference points to Whiteside's line and epicondylar axis.

**Rotational flexibility** - multiple rotational options, 0, 3, 5 and 7 degree guides, accommodate diverse patient anatomies and deformities.



# Driving performance through flexibility



Femoral preparation blocks support gap balancing approach with measured or balancing resection options.

Optimized block profile minimizes soft tissue impingement in small incision exposures while maximizing saw blade excursion.

Threaded pins with convergent pin holes provide secure fixation for confident, reproducible cuts.



The femoral preparation blocks featured in the High Performance instrumentation system support the surgeon's preferred surgical approach by allowing for measured or balanced resection options. Anterior up or posterior down referencing increases the intraoperative flexibility and multiple rotational options that accommodate a diverse range of patient anatomies. This creates a flexible, user friendly system that delivers precision at every step of the procedure.

# Driving performance through a modular delivery system

Durable, all-metal case construction.

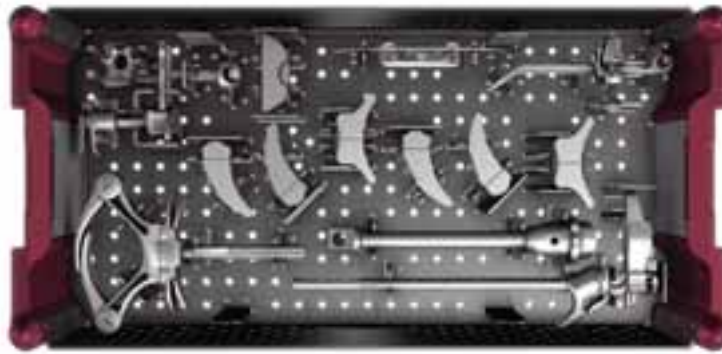
Modular kitting provides flexibility to match surgeon philosophy with instrumentation.

Clear, internal instrument layout markings for easy identification and reassembly.

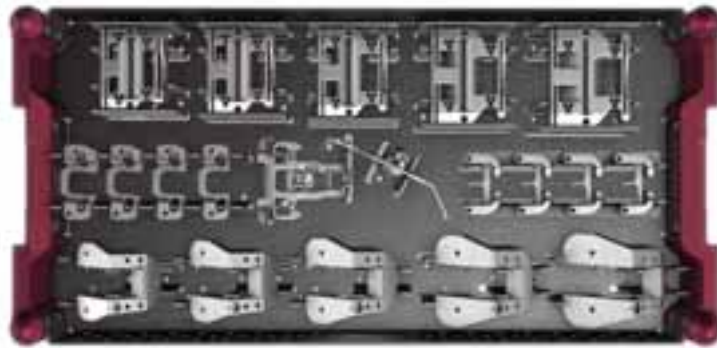




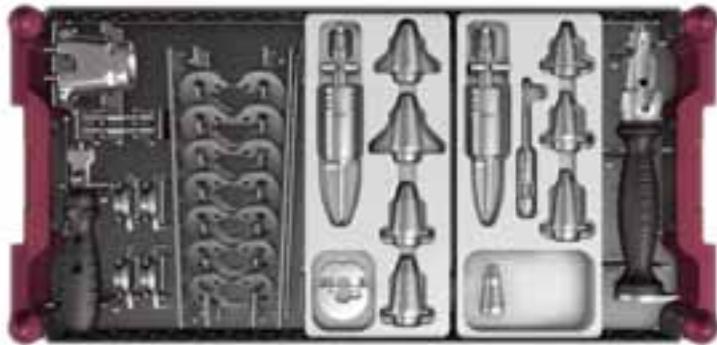
Sigma HP Base Femur and Tibia Case Top Tray



Sigma HP Base Femur and Tibia Case Bottom Tray



Sigma HP Fixed Reference Femur Prep Tray



Sigma HP M.B.T. Tibia Prep Tray



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