



Zimmer®  
Gender Solutions™  
Patello-Femoral  
Joint System



Advancing the science of partial knee replacement



## Expanding the Gender Solutions continuum of care.

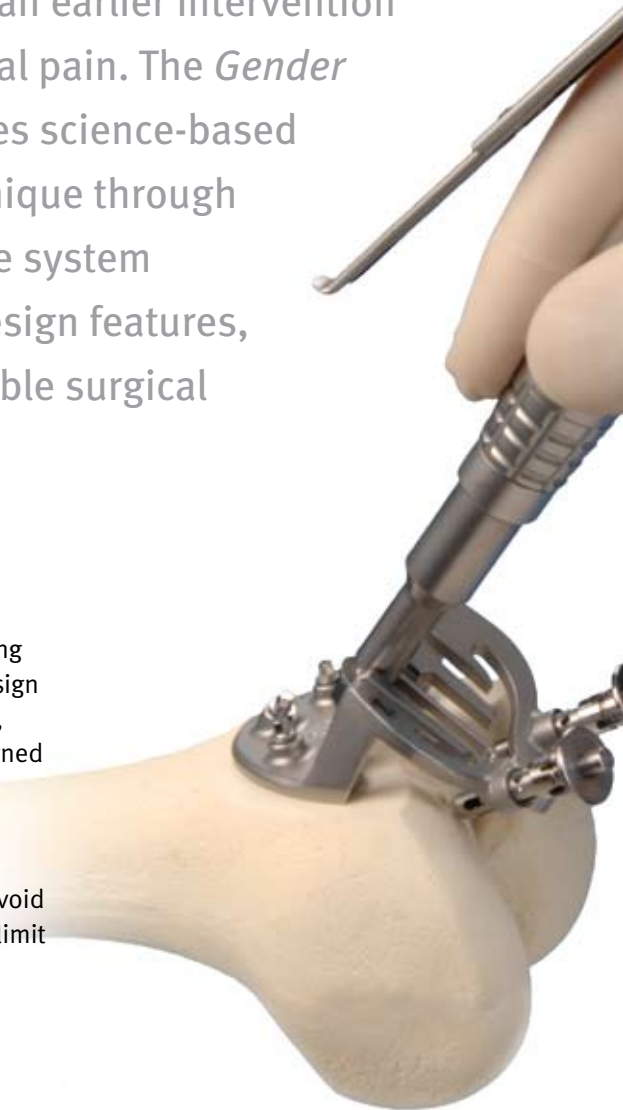
The *Zimmer Gender Solutions* Patello-Femoral Joint System is designed to provide a partial knee replacement solution—and an earlier intervention option—for patients with unresolved patellofemoral pain. The *Gender Solutions* Patello-Femoral Joint System incorporates science-based design features and offers a precise surgical technique through the use of a proprietary guided milling system. The system is the first of its kind to combine proven gender design features, superior instrumentation and an efficient, repeatable surgical technique in a patellofemoral joint system.

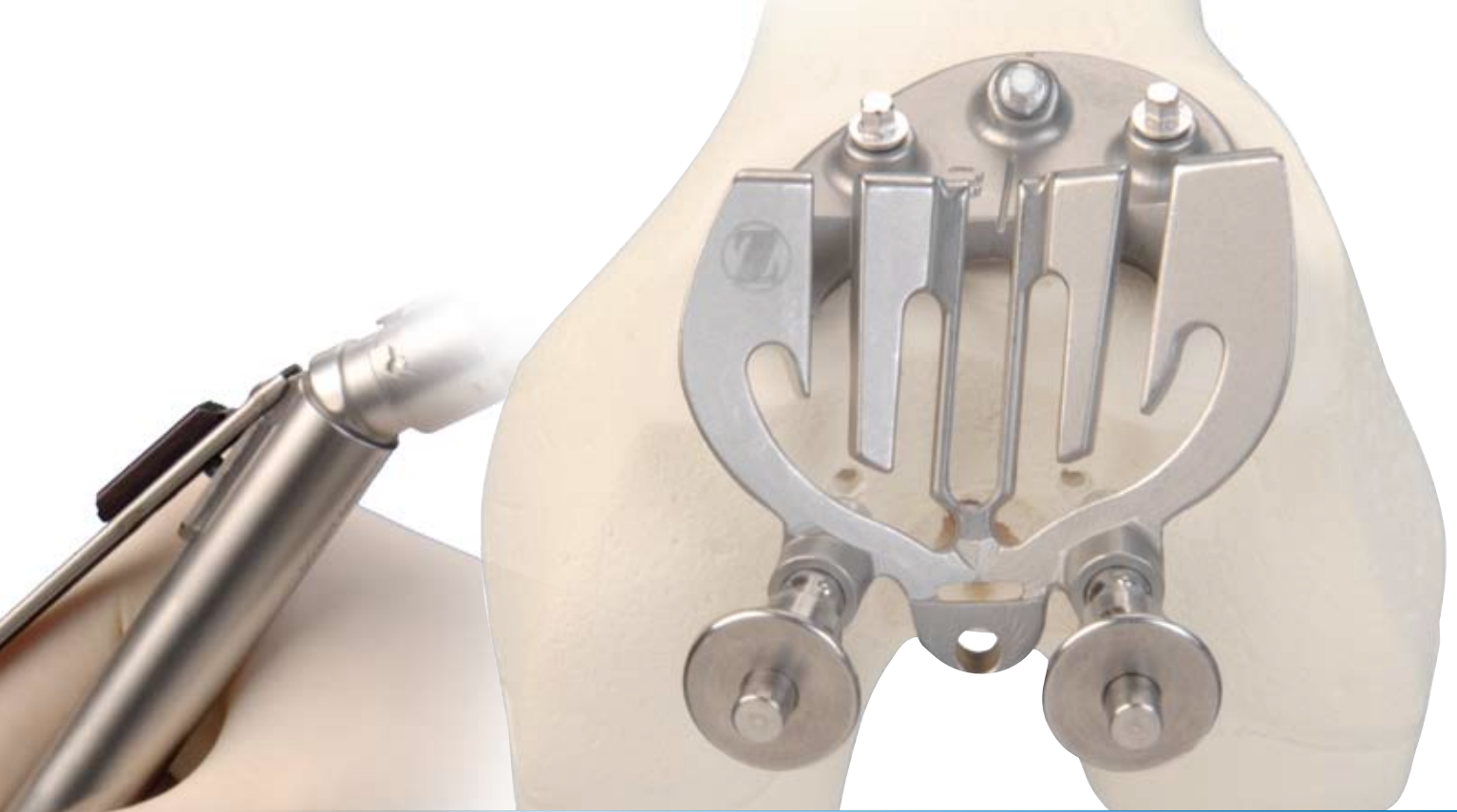


Zimmer was the first orthopaedic company to

recognize that when it comes to knees, men and women are different. Our groundbreaking research demonstrated that the differences are less about size—and more about shape. The *Gender Solutions* Patello-Femoral Joint System addresses the unmet clinical need for implants that more accurately address the differences between the shapes of male and female femurs.

- **Implant sizing** – comprehensive sizing applies *Gender Solutions* female design characteristics to smaller sizes (1-4), while the larger size implant is designed to match standard *NexGen*® femoral components
- **Modified anterior flange** – a thinner anterior flange is designed to help avoid overstuffing and overhang that may limit postoperative range of motion or increase pain
- **Increased trochlear groove angle** – an increased trochlear groove angle accommodates the documented difference in the Q-angle of the patellar tracks of male and female knees





### Proprietary Guided Milling System

*Zimmer Gender Solutions* Patello-Femoral Joint System offers an unprecedented advancement in the preparation of the distal femoral trochlea with superior instrumentation and an efficient, repeatable surgical technique. Precision preparation is facilitated by guided milling instrumentation.



- Eliminates the need for freehand preparation
- Provides accurate cartilage and bone preparation delivering smooth patella transitions and correct depth, contour and implant fit
- Cutting-edge technology simultaneously resurfaces both cartilage and bone
- System specific milling handpiece and burr provides the torque and speed necessary for patellofemoral joint resurfacing
- Ensures that the system may be easily converted to a *Zimmer* Total Knee Arthroplasty, if necessary in the future

### Bicompartmental clinical solution

The *Zimmer Gender Solutions* Patello-Femoral Joint System can be used with *Zimmer* Unicompartmental Knee Systems, including the *Zimmer* Unicompartmental High Flex Knee System. Together—either simultaneously or in a staged approach—the *Gender Solutions*



Patello-Femoral Joint System and *Zimmer* Unicompartmental Knee Systems offer a bicompartmental clinical solution to address presentations of disease of both the patellofemoral area and one of the distal condyles.

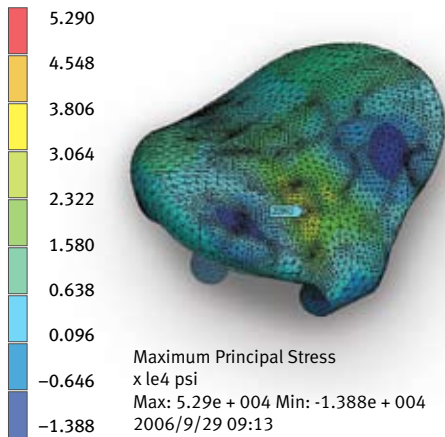
### Zimmer Minimally Invasive Solutions™ Procedures

The *Gender Solutions* Patello-Femoral System instrumentation and implants are compatible with MIS approaches which are designed to facilitate smaller incisions, less tissue trauma and shorter hospital stays.



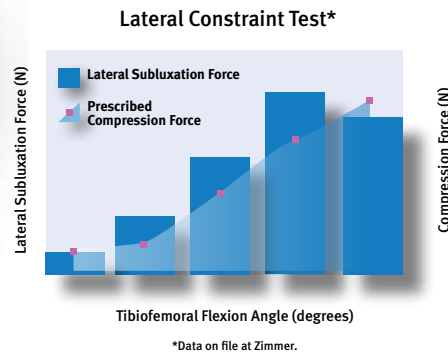
## Material Strength

The *Gender Solutions* Patello-Femoral Joint System offers a bone-conserving implant design made of strong forged cobalt chrome. Implant strength was verified by Finite Element Analysis (FEA), under conditions of maximum load (during stair descent).



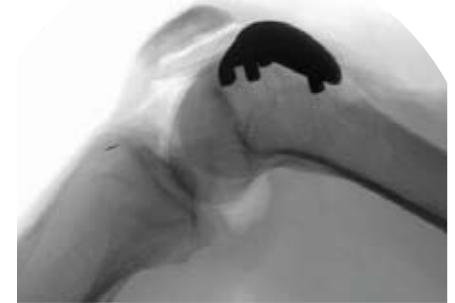
## Articulating Geometry

The *Gender Solutions* Patello-Femoral Joint implant utilizes proven *NexGen* patellar contact geometry. Testing has been performed to establish the contact area of the *NexGen* patella on the Patello-Femoral Joint implant. Testing has also provided measurement of subluxation resistance of the *NexGen* patella on the Patello-Femoral Joint implant.



## Patella Support

The *Gender Solutions* Patello-Femoral Joint implant provides patellar support through frequent high-load daily activities. Patella transition analysis has been performed on the Patello-Femoral Joint implant, as well as on the Patello-Femoral Joint implant combined with the *Zimmer* Unicompartmental Knee System.



A MINIMALLY INVASIVE CHOICE

MIS surgical techniques help protect key muscles and tendons to reduce tissue trauma.



*Zimmer Gender Solutions* Implants are revolutionary in the way they compensate for the most important differences between women's and men's knees. It isn't strictly a matter of size; it's a matter of shape.



ZIMMER® COMPUTER ASSISTED SOLUTIONS (CAS)

*Zimmer* Computer Assisted Solutions products include advanced tools and cutting-edge technologies that work with minimally invasive and traditional surgical procedures.



ADVANCED SKILLS AND KNOWLEDGE

*The Zimmer Institute*® Education Facility, in true teamwork with the surgeon, provides hands-on training and transfer of knowledge to bring the benefits of minimally invasive surgery to joint replacement partners. *The Zimmer Institute Facility* has numerous opportunities worldwide for surgeons to advance their minimally invasive surgical skills.

Please refer to the package inserts for complete product information, including contraindications, warnings, precautions and adverse effects.

Contact your Zimmer representative or visit us at [www.zimmer.com](http://www.zimmer.com)



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