



## Zimmer® NexGen® Precoat Pegged Tibial Plate



### Proven Clinical Results - Small Incision Friendly

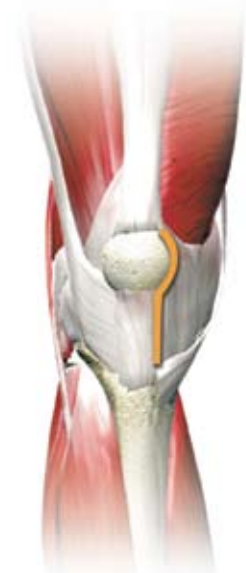
Less soft tissue disruption, no violation of the quadriceps mechanism, no patella eversion, same accuracy and reproducibility – that has been the design goal of the *Zimmer Minimally Invasive Solutions™ (MIS™) Quad-Sparing™* TKA instruments.

The *NexGen Precoat Pegged Tibial Plate* supports Zimmer's vision in *MIS* products and surgical techniques. With its proven clinical history in the *Zimmer M/G®* and *MG II®* Total Knee Systems, the *NexGen Precoat Pegged Tibial Plate* is *MIS* procedure friendly and addresses many issues relating to surgical procedure, implantation, and future revision TKA.

- Low-profile design simplifies insertion into the small incision/opening required for the *MIS Quad-Sparing* procedure.
- Superior stability with minimal bone removal.<sup>1,2</sup>
- 20 years of excellent clinical results.<sup>3</sup>



**Standard Incision**  
20-30cm  
(Quad-Split)



**MIS Quad-Sparing Incision**  
7-10cm  
(No Quad-Snip)

#### *MIS Quad-Sparing TKA*

The *NexGen Precoat Pegged Tibial Plate* is easily inserted into an *MIS Quad-Sparing* procedure arthrotomy.

## Standing the Test of Time

The *NexGen* Precoat Pegged Tibial Plate is proven to have excellent long-term clinical results.<sup>1</sup> The clinical performance of the *NexGen* knee has been followed for 7 years in a prospective, open, multi-center outcomes study consisting of 11,257 patients and 13,250 cases collected by 243 surgeons throughout the United States. Annual radiographic follow-up to 5-years shows the incidence of radiolucency to be very infrequent for pegged tibial plates.

## Percent Radiolucency by Zone

### Pegged Tibia

1 Year n=629    2 Year n=343    3 Year n=189  
4 Year n=63    5 Year n=68

**Pegged Tibia Zones**

Years	MEDIAL		LATERAL			
	1	2	3	4	5	6
1	.32	0	0	0	0	.32
2	.58	0	0	0	0	0
3	1.06	1.06	1.1	1.1	0	0
4	0	0	1.59	1.59	0	0
5	0	0	0	0	0	1.47

**Percent**

## Fewer Tibial Preparation Steps

The *NexGen* Precoat Pegged Tibial Plate requires no drilling and broaching of the tibial IM canal. Also, no insertion of a separate provisional tibial plate is necessary (the tibial sizing plate serves double-duty as a provisional).

- Sumner DR, Kienapfel H, Jacobs J, et al. Bone ingrowth and wear debris in well-fixed cementless porous-coated tibial components.
- Sumner DR, Turner TM, Dawson D, et al. Effect of pegs and screws on bone ingrowth in cementless total knee arthroplasty. Orthopaedics.
- Miller/Galante, MG II, and NexGen Knees clinical experience in open surgical procedures.

## No Invasion of Tibial IM Canal

The *NexGen* Precoat Pegged Tibial Plate does not invade/pressurize the tibial IM canal, minimizing the potential for fat emboli. Its tibial preparation approach conserves more bone versus traditional stemmed tibial plates, preserving bone stock if/when revision TKA is needed.



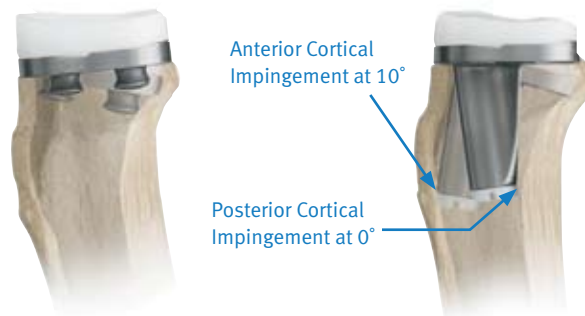
Pegged



Stemmed

## Minimizing Cortical Impingement in Tibial IM Canal

The low profile design of the *NexGen* Precoat Pegged Tibial Plate helps minimize the potential for A/P cortical impingement inside the tibial IM canal and allows the surgeon to cut the proximal tibia at the angle of their choice. Keeled plates offer less flexibility on posterior slope cut angles because the keel can more easily impinge/perforate the tibial cortex in the IM canal.



## No Holes Mean No Cold Flow

There are no holes in the *NexGen* Precoat Pegged Tibial Plate, eliminating the possibility of polyethylene cold flow into screw holes.



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

