

iBalance® Opening Wedge Osteotomy System

Sizing Chart

Estimate the iBalance HTO System Instrument size using this table:

| | | | |
|------------|-------------|------------|--------------|
| Small (SM) | Medium (MD) | Large (LG) | X-Large (XL) |
| 64-70 mm | 70-78 mm | 78-88 mm | 88-96 mm |

| | Corresponding Medial Opening | | | |
|----------------------|------------------------------|-------------|------------|------------------|
| Correction (degrees) | Small (mm) | Medium (mm) | Large (mm) | Extra Large (mm) |
| 5 | | 6.26 | 6.62 | 7.69 |
| 6 | 6.26 | 7.25 | 7.69 | 8.76 |
| 7 | 7.25 | 8.25 | 8.76 | 9.83 |
| 8 | 8.25 | 9.25 | 9.83 | 10.90 |
| 9 | 9.25 | 10.25 | 10.90 | 11.98 |
| 10 | 10.25 | 11.25 | 11.98 | 13.05 |
| 11 | 11.25 | 12.26 | 13.05 | 14.13 |
| 12 | 11.25 | 13.26 | 14.13 | 15.21 |
| 13 | 12.26 | 14.27 | 15.21 | 16.29 |
| 14 | 13.26 | 15.28 | 16.29 | 17.38 |
| 15 | 14.27 | 16.29 | 17.38 | |

Please refer to the reverse side for pearls & pointers . . .

Bi-Planar Alignment

- Customizes instrument alignment to patient's anatomy
- Precisely sets the position and angle of the osteotomy plane and the Hinge Pin hole (i.e. the end of the osteotomy)

Hinge Pin Hole

- 4.5 mm bi-cortical hole defines the end of the osteotomy cut
- Acts as a stress reliever during opening of the osteotomy, resulting in reduced risk of lateral cortex and intraarticular fractures

“Safety Envelope”

- Consists of patellar tendon protector (anterior), Hinge Pin (lateral), and NV Shield (posteromedial to posterolateral), and medial post (medial)
- Protects the patellar tendon, lateral cortex, posterior neurovascular structures, and MCL (medial collateral ligament) during cutting of the osteotomy

Cutting Guide

- Allows precise cutting of the osteotomy with a sagittal saw resulting in a clean cut
- Accurately aligns the saw blade to the “safety envelope”
- Has dual lock-out features that prevent incorrectly sized (i.e. SM/MD/LG/XL) or handed (i.e. right/left) parts from being used together

Opening Jack

- Opens the osteotomy in a controlled manner and therefore reduces the risk of lateral cortex and intraarticular fractures
- Stays in the osteotomy during implantation, allowing the surgeon to easily seat the implant

Medial PEEK Implant

- Implant profile flush with bone, providing minimal soft tissue irritation
- PEEK material more closely matches modulus of bone versus metal implants, therefore allowing the implant to deflect under load and stimulate new bone growth
- Keyhole figure-eight design resists torsional forces and maintains alignment

