

Bookwalter Components

Ratchets



symmetry surgical®

Straight Ratchet - 50-4579

- Released in 1979
- Relies on resistance from soft tissue to hold ratchet on ring
- Retraction capability=
 - One plane
 - 0° tilt or rotation



Tilting Ratchet - 50-4580

- Released in 1982
- Added tilt function
- Retraction Capability
 - One Plane
 - 45° Max Tilt Angle



Rotating/Tilting Ratchet - 50-4589

- Released in 2003
- First generation RoTilt®
- Retraction Capability
 - 60° Rotation
 - 45° Tilt Angle
- The “Tank”
- Provides lockable rotation of the tilt ratchet mechanism which permits a closer duplication of the original function of a toed-in, hand held retractor



Self-Retaining / Tilting Ratchet - 50-4586

- Released in 2010
- Added self retaining feature to prevent inadvertent removal
- Retraction Capability
 - One plane
 - 45° Tilt Angle



Self Retaining /Rotating/Tilting Ratchet 50-4695

- Released in 2010
- Added rotating function
- Retraction Capability
 - 60° Rotation
 - 45° Tilt Angle



Self Retaining Rotating/Tilting Ratchet 50-4696

Combines the best features of 50-4589 and 50-4695

- Released in 2013
 - Low profile above the ring
 - 60° Rotation
 - 45° Tilt angle
 - Self-retaining



“More closely mimics the natural toe-in motion of handheld retractors, while maintaining the benefits of table-mounted ring retractors.”

John R. Bookwalter, MD

Self Retaining Rotating/Tilting Ratchet 50-4696

