Helps to free assisting personnel while providing excellent exposure during hip arthroplasty and hip fracture surgery

**Standard Frame**

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>7450-01A [Standard]</td>
<td>12.75&quot; x 9.5&quot; (32,4cm x 24,1cm)</td>
</tr>
<tr>
<td>7450-01B [Medium]</td>
<td>9.75&quot; x 9.5&quot; (25,4cm x 24,1cm)</td>
</tr>
</tbody>
</table>

**Charnley-Type Frame**

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
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</thead>
<tbody>
<tr>
<td>7445 [Standard]</td>
<td>12&quot; x 9.5&quot; (30,5cm x 24,1cm)</td>
</tr>
<tr>
<td>7445-01B [Narrow]</td>
<td>10&quot; x 9.5&quot; (25,4cm x 24,1cm)</td>
</tr>
</tbody>
</table>

Charnley-type frames come standard with:
- 7445-02 Rounded 2" (51mm) Charnley Blade
- 7450-02 2" (51mm) Standard Blade
- 7455-02 2" (51mm) Charnley Blade

Frames also sold individually:
- 7445-01 [Standard]
- 7445-01B-01 [Narrow]

**Double Locking Standard Frame**

<table>
<thead>
<tr>
<th>PRODUCT NO'S:</th>
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</thead>
<tbody>
<tr>
<td>7430 [Standard]</td>
<td>12.75&quot; x 9.5&quot; (32,4cm x 24,1cm)</td>
</tr>
</tbody>
</table>

Designed with a second sliding blade lock for enhanced stability, especially in obese patients

Allows both locked blades to be fully adjustable, yet with the ability to be securely fixed, diminishing the chance for shifting, and allowing for more secure self-retaining exposure.

**Square Frame**

<table>
<thead>
<tr>
<th>PRODUCT NO:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7450-01D</td>
<td>12.75&quot; x 11.25&quot; (32,4cm x 28,6cm)</td>
</tr>
</tbody>
</table>

Can be used with any blade style

FREE TRIAL ON MOST INSTRUMENTS

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**Standard Blades**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-02  2” (5.1 cm) blade depth
  - 7450-03  3” (7.6 cm) blade depth
  - 7450-04  4” (10.2 cm) blade depth
  - 7450-05  5” (12.7 cm) blade depth
  - 7450-06  6” (15.2 cm) blade depth

**T-bar handles help prevent the hand from slipping**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-2T  2” (5.1 cm) blade depth
  - 7450-3T  3” (7.6 cm) blade depth
  - 7450-4T  4” (10.2 cm) blade depth
  - 7450-5T  5” (12.7 cm) blade depth
  - 7450-6T  6” (15.2 cm) blade depth

**OrthoLucent™ Standard Blades**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-02R  2” (5.1 cm) blade depth
  - 7450-03R  3” (7.6 cm) blade depth
  - 7450-04R  4” (10.2 cm) blade depth

**Extra Large Standard Blades**

- Designed by Andrew D. Bunta, MD
- Help retract soft tissue in larger patients

**PRODUCT NO’S:**
- Handle Length: 8” (20.3 cm)
  - 7451-02  2” (5.1 cm) blade depth
  - 7451-03  3” (7.6 cm) blade depth
  - 7451-04  4” (10.2 cm) blade depth
  - 7451-05  5” (12.7 cm) blade depth
  - 7451-06  6” (15.2 cm) blade depth

**Wide Standard Blades**

**PRODUCT NO’S:**
- Blade Width: 2” (5.1 cm)
  - 7450-W-02  2” (5.1 cm) blade depth
  - 7450-W-03  3” (7.6 cm) blade depth
  - 7450-W-04  4” (10.2 cm) blade depth
  - 7450-W-05  5” (12.7 cm) blade depth
  - 7450-W-06  6” (15.2 cm) blade depth

**Extra Wide Blades**

- Designed by Andrew D. Bunta, MD
- Help stabilize retractor blades

**PRODUCT NO’S:**
- Blade Width: 2.75” (7 cm)
  - 7460-01  2.5” (6.4 cm) blade depth
  - 7460-02  3.25” (8.3 cm) blade depth

**Blades with Teeth**

**PRODUCT NO’S:**
- Blade Width: 1” (2.54 cm)
  - C1013  2.5” (6.4 cm) blade depth
  - C1013-01  4” (10.2 cm) blade depth

**Hohmann Style Blades**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-08A  [Standard]  4” (10.2 cm) blade depth
  - 7450-08B  [Deep]  6” (15.2 cm) blade depth

**Bennett Style Blade**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-07A  [Standard]  4” (10.2 cm) blade depth

**Toy Anterior Modified Hibbs Blades**

- Designed by Patrick Toy, MD
- Designed to separate/protect the medial (rectus femoris) and lateral (tensor fascia lata) soft tissues without an assistant holding an additional instrument when used in conjunction with a self-retaining frame system. The modifications of the blade help maintain its position while helping to minimizing risk to neurovascular structures.

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7453  [Standard]  2.875” (7.3 cm) blade depth
  - 7454  [Shallow]  2.75” (7 cm) blade depth

**Soft Tissue Blades**

**PRODUCT NO’S:**
- Handle Length: 6” (15.2 cm)
  - 7450-09A  [Standard]  2” (5.1 cm) blade depth
  - 7450-09B  [Deep]  2.5” (6.4 cm) blade depth

**Wedges for Frames**

**PRODUCT NO’S:**
- Handle Length: 1.75” (4.4 cm)
  - 7450-89  [Thin Wedge]  Overall Length: 1.75” (4.4 cm) Wedge Thickness: 0.1 mm
  - 7450-99  [Thick Wedge]  Overall Length: 1.75” (4.4 cm) Wedge Thickness: 0.2 mm

**Position retractors exactly where you want them!**

**Moveable-peg system allows for precise interoperative retractor positioning adjustments**

**Works with any existing frame system**

**New!**

**Blades with Teeth**

**Retractor Blades for Charnley-type Frame**

**PRODUCT NO’S:**
- Blade Width: 2” (5.1 cm)
  - 7450-01  2” (5.1 cm) blade depth
  - 7450-02  3” (7.6 cm) blade depth
  - 7450-03  4” (10.2 cm) blade depth
  - 7450-04  5” (12.7 cm) blade depth
  - 7450-05  6” (15.2 cm) blade depth

**Wide Standard Blades**

**PRODUCT NO’S:**
- Blade Width: 1” (2.5 cm)
  - C1013  2.5” (6.4 cm) blade depth
  - C1013-01  4” (10.2 cm) blade depth

**Extra Wide Blades**

- Designed by Andrew D. Bunta, MD
- Help stabilize retractor blades

**PRODUCT NO’S:**
- Blade Width: 2.75” (7 cm)
  - 7460-01  2.5” (6.4 cm) blade depth
  - 7460-02  3.25” (8.3 cm) blade depth