**Revision/Bushing Replacement Matrix**

For Revision Surgery Only.

1. Identify the Old Style (well-fixed implant). Then find the correct column on the matrix.

2. Select the row or column for the desired (templated) New Style: Interchangeable matching implant.

3. Follow each row or column until they intersect and note the bushing kit needed for proper replacement. All matching implant numbers listed will work with (well-fixed) existing implants.

### (B) BUSHING KIT NEEDED

#### X-SMALL

<table>
<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
<th>New Style Ulna</th>
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<tbody>
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#### SMALL

<table>
<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
<th>New Style Ulna</th>
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#### REGULAR

<table>
<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
<th>New Style Ulna</th>
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### (U) ULNAR COMPONENTS

#### NEW STYLE ULNA: INTERCHANGEABLE

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<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
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#### OLD STYLE ULNA: NON-INTERCHANGEABLE

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<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
<th>New Style Ulna</th>
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### (H) HUMERAL COMPONENTS

#### NEW STYLE HUMERAL: INTERCHANGEABLE

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<thead>
<tr>
<th>Old Style Humerus</th>
<th>New Style Humerus</th>
<th>Old Style Ulna</th>
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#### OLD STYLE HUMERAL: NON-INTERCHANGEABLE

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<thead>
<tr>
<th>Old Style Humerus</th>
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### Not Possible

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<tr>
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<th>New Style Ulna</th>
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Exercise #1
Revising the Humeral Component

Patient “A” needs to have revision surgery. It has been pre-determined that the well-fixed (existing) ulnar component is in good shape and does not need replaced. The humeral component and bushings, however, do need replaced. Follow the steps below and identify the correct humeral component and bushing kit needed.

1) **Identify well-fixed ulnar component.** Find the correct column on the matrix. You must pre-determine the size component used.

2) **Select desired (templated) new style interchangeable humeral.** Find the correct row on the matrix.

3) Follow each row and column until they intersect. **The intersecting box identifies both the component and bushing kit needed for proper replacement.** All matching implant numbers listed will work with the (well-fixed) existing implant.

Exercise #2
Revising the Ulnar Component

Patient “B” needs to have revision surgery. It has been pre-determined that the well-fixed (existing) humeral component is in good shape and does not need replaced. The ulnar component and bushings, however, do need replaced. Follow the steps below and identify the correct humeral component and bushing kit needed.

1) **Identify well-fixed humeral component.** Find the correct row on the matrix. You must pre-determine the size component used.

2) **Select desired (templated) new style interchangeable ulna.** Find the correct column on the matrix.

3) Follow each row and column until they intersect. **The intersecting box identifies both the component and bushing kit needed for proper replacement.** All matching implant numbers listed will work with the (well-fixed) existing implant.

Exercise #3
Revising the Bushings

Patient “C” needs to have revision surgery. It has been pre-determined that the ulnar and humeral components are in good shape and do not need replaced. The bushings, however, do need replaced. Follow the steps below to identify the correct bushing kit needed.

1) **Identify well-fixed humeral component.** Find the correct row on the matrix. You must pre-determine the size component used.

2) **Identify well-fixed ulnar component.** Find the correct column on the matrix. You must pre-determine the size component used.

3) Follow each row and column until they intersect. **The intersecting box identifies bushing kit needed for proper replacement.**