

## Revision/Bushing Replacement Matrix

For Revision Surgery Only.

- Identify the Old Style or New Style (well-fixed implant). Then find the correct column on the matrix.
- Select the row or column for the desired (templated) New Style: Interchangeable matching implant.
- 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	(U) ULNAR COMPONENTS					
		NEW STYLE ULNA: INTERCHANGEABLE			OLD STYLE ULNA: NON-INTERCHANGEABLE		
		X-SMALL	SMALL	REGULAR	X-SMALL	SMALL	REGULAR
X-SMALL	NEW STYLE HUMERAL: INTERCHANGEABLE	H-32-8105-027-04	H-32-8105-027-04	H-32-8105-027-04	H-32-8105-027-04	H-32-8105-027-04	H-32-8105-027-04
		H-32-8105-027-06	H-32-8105-027-06	H-32-8105-027-06	H-32-8105-027-06	H-32-8105-027-06	H-32-8105-027-06
		H-32-8105-093-01	H-32-8105-093-01	H-32-8105-093-01	H-32-8105-093-01	H-32-8105-093-01	H-32-8105-093-01
SMALL	NEW STYLE HUMERAL: INTERCHANGEABLE	H-32-8105-025-04	H-32-8105-25-04	H-32-8105-025-04	H-32-8105-25-04	H-32-8105-025-04	H-32-8105-25-04
		H-32-8105-025-06	H-32-8105-25-06	H-32-8105-025-06	H-32-8105-25-06	H-32-8105-025-06	H-32-8105-25-06
		H-32-8105-025-08	H-32-8105-25-08	H-32-8105-025-08	H-32-8105-25-08	H-32-8105-025-08	H-32-8105-25-08
REGULAR	NEW STYLE HUMERAL: INTERCHANGEABLE	H-32-8105-026-04	H-32-8105-026-04	H-32-8105-026-04	H-32-8105-026-04	H-32-8105-026-04	H-32-8105-026-04
		H-32-8105-026-06	H-32-8105-026-06	H-32-8105-026-06	H-32-8105-026-06	H-32-8105-026-06	H-32-8105-026-06
		H-32-8105-026-08	H-32-8105-026-08	H-32-8105-026-08	H-32-8105-026-08	H-32-8105-026-08	H-32-8105-026-08
SMALL	OLD STYLE HUMERAL: NON-INTERCHANGEABLE	H-32-8106-000-12	H-32-8106-000-12	H-32-8106-000-12	H-32-8106-000-12	H-32-8106-000-12	H-32-8106-000-12
		H-32-8105-029-01	H-32-8105-029-01	H-32-8105-029-01	H-32-8105-029-01	H-32-8105-029-01	H-32-8105-029-01
		H-32-8105-029-02	H-32-8105-029-02	H-32-8105-029-02	H-32-8105-029-02	H-32-8105-029-02	H-32-8105-029-02

(H) HUMERAL COMPONENTS

X-SMALL

SMALL

REGULAR

SMALL

REGULAR

NEW STYLE HUMERAL: INTERCHANGEABLE

OLD STYLE HUMERAL: NON-INTERCHANGEABLE

X-SMALL

SMALL

REGULAR

X-SMALL

SMALL

REGULAR

NEW STYLE ULNA: INTERCHANGEABLE

OLD STYLE ULNA: NON-INTERCHANGEABLE

H-32-8105-027-04 H-32-8105-027-06 U-32-8105-093-01 U-32-8105-093-02 U-32-8105-043-01 U-32-8105-043-02	H-32-8105-027-04 H-32-8105-027-06 U-32-8105-053-01 U-32-8105-053-02 U-32-8105-073-01 U-32-8105-073-02	H-32-8105-027-04 H-32-8105-027-06 U-32-8105-063-01 U-32-8105-063-02 U-32-8105-083-01 U-32-8105-083-02	H-32-8105-027-04 H-32-8105-027-06 U-32-8555-007-92 U-32-8555-007-93	H-32-8105-027-04 H-32-8105-027-06 U-32-8105-001-00 U-32-8105-002-00 U-32-8105-021-00 U-32-8105-022-00 U-32-8105-051-00 U-32-8105-052-00 U-32-8105-071-00 U-32-8105-072-00	Not Possible
B-32-8105-027-01	B-32-8105-027-01	B-32-8105-027-01	B-32-8105-027-01	B-32-8105-027-01	Not Possible
H-32-8105-025-04 H-32-8105-025-06 H-32-8105-025-08 H-32-8105-035-06 H-32-8105-035-08 U-32-8105-093-01 U-32-8105-093-02 U-32-8105-043-01 U-32-8105-043-02	H-32-8105-25-04 H-32-8105-25-06 H-32-8105-25-08 H-32-8105-35-06 H-32-8105-35-08 U-32-8105-53-01 U-32-8105-53-02 U-32-8105-73-01 U-32-8105-73-02	H-32-8105-025-04 H-32-8105-025-06 H-32-8105-025-08 H-32-8105-035-06 H-32-8105-035-08 U-32-8105-063-01 U-32-8105-063-02 U-32-8105-083-01 U-32-8105-083-02	H-32-8105-025-04 H-32-8105-025-06 H-32-8105-025-08 H-32-8105-035-06 H-32-8105-035-08 U-32-8555-007-92 U-32-8555-007-93	H-32-8105-025-04 H-32-8105-025-06 H-32-8105-025-08 H-32-8105-035-06 H-32-8105-035-08 U-32-8105-001-00 U-32-8105-002-00 U-32-8105-021-00 U-32-8105-022-00 U-32-8105-051-00 U-32-8105-052-00 U-32-8105-071-00 U-32-8105-072-00	H-32-8105-025-04 H-32-8105-025-06 H-32-8105-025-08 H-32-8105-035-06 H-32-8105-035-08 U-32-8105-011-00 U-32-8105-012-00 U-32-8105-031-00 U-32-8105-032-00 U-32-8105-061-00 U-32-8105-062-00 U-32-8105-081-00 U-32-8105-082-00
B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-030-00
H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8105-093-01 U-32-8105-093-02 U-32-8105-043-01 U-32-8105-043-02	H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8105-053-01 U-32-8105-053-02 U-32-8105-073-01 U-32-8105-073-02	H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8105-063-01 U-32-8105-063-02 U-32-8105-083-01 U-32-8105-083-02	H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8555-007-92 U-32-8555-007-93	H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8105-001-00 U-32-8105-002-00 U-32-8105-021-00 U-32-8105-022-00 U-32-8105-051-00 U-32-8105-052-00 U-32-8105-071-00 U-32-8105-072-00	H-32-8105-026-04 H-32-8105-026-06 H-32-8105-026-08 H-32-8105-036-06 H-32-8105-036-08 U-32-8105-011-00 U-32-8105-012-00 U-32-8105-031-00 U-32-8105-032-00 U-32-8105-061-00 U-32-8105-062-00 U-32-8105-081-00 U-32-8105-082-00
B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-025-01	B-32-8105-030-00
H-32-8105-004-00 H-32-8105-016-00 H-32-8105-018-00 U-32-8105-093-01 U-32-8105-093-02	H-32-8105-004-00 H-32-8105-006-00 H-32-8105-008-00 U-32-8105-053-01 U-32-8105-053-02 U-32-8105-073-01 U-32-8105-073-02	H-32-8105-004-00 H-32-8105-006-00 H-32-8105-008-00 U-32-8105-063-01 U-32-8105-063-02 U-32-8105-083-01 U-32-8105-083-02	H-32-8105-004-00 H-32-8105-006-00 H-32-8105-008-00 U-32-8555-007-92 U-32-8555-007-93	H-32-8105-004-00 H-32-8105-006-00 H-32-8105-008-00 U-32-8105-001-00 U-32-8105-002-00 U-32-8105-021-00 U-32-8105-022-00 U-32-8105-051-00 U-32-8105-052-00 U-32-8105-071-00 U-32-8105-072-00	Not Possible
B-32-8106-000-12	B-32-8106-000-12	B-32-8106-000-12	B-32-8106-000-12	B-32-8106-000-12	Not Possible
H-32-8105-014-00 H-32-8105-016-00 H-32-8105-018-00 U-32-8105-093-01 U-32-8105-093-02	H-32-8105-014-00 H-32-8105-016-00 H-32-8105-018-00 U-32-8105-053-01 U-32-8105-053-02 U-32-8105-073-01 U-32-8105-073-02	H-32-8105-014-00 H-32-8105-016-00 H-32-8105-018-00 U-32-8105-063-01 U-32-8105-063-02 U-32-8105-083-01 U-32-8105-083-02	Not Possible	Not Possible	H-32-8105-014-00 H-32-8105-016-00 H-32-8105-018-00 U-32-8105-011-00 U-32-8105-012-00 U-32-8105-031-00 U-32-8105-032-00 U-32-8105-061-00 U-32-8105-062-00 U-32-8105-081-00 U-32-8105-082-00
B-32-8105-029-00	B-32-8105-029-00	B-32-8105-029-00	Not Possible	Not Possible	B-32-8106-00-13



# Sample exercises to help understand how to use this chart.

## 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.**